



GoTriangle
Board of Trustees
April 22, 2020
12:00 pm-2:30 pm Eastern Time

Based on NC Executive Order No. 121 Stay at Home Order in response to COVID-19, the GoTriangle Board of Trustees will meet on Wednesday, April 22, 2020, at 12:00 pm, via audio/video conference. We encourage interested members of the public to listen or view remotely. Instructions can be found at this link: <https://gotriangle.org/board-of-trustees>.

I. Call to Order and Adoption of Agenda

(1 minute Michael Parker)

ACTION REQUESTED: Adopt agenda with any changes requested.

II. Special Business

A. Interim President & CEO's Report

(5 minutes Shelley Blake Curran)

Contracts

New Hires & Promotions

Capital Projects Status Report

B. COVID-19 Update

(20 minutes Eric Bergstraesser, Sandra Freeman)

C. Introduction of President & CEO

(Michael Parker)

III. Public Comment

(Michael Parker)

The public comment period is held to give citizens an opportunity to speak on any item. The session is no more than thirty minutes long and speakers are limited to no more than three minutes each. Speakers are required to sign up in advance with the Clerk to the Board.

For the April 22nd meeting, the GoTriangle Board of Trustees will receive public comment by e-mail at this address: mdawson@gotriangle.org. Comments related to the agenda should be submitted no later than 11 am on Wednesday, April 22, 2020.

IV. Consent Agenda

(1 minute Michael Parker)

Items listed on the consent agenda are considered as a single motion. At the request of any Board member, or member of the public, items may be removed from the consent agenda and acted on by a separate motion. Items pulled from the consent agenda will be placed at the beginning of the general business agenda for discussion and action. Any Board member wishing to remove an item from the consent agenda should advise staff in advance.

ACTION REQUESTED: Approve consent agenda.

A. Minutes - March 25, 2020 regular session

V. **General Business Agenda**

Items listed on the general business agenda are for discussion and possible action. Such designation means that the Board intends to discuss the general subject area of that agenda item before making any motion concerning that item.

A. **Items Removed from the Consent Agenda**

(1 minute Michael Parker)

ACTION REQUESTED: Discuss and take action on any items removed from the consent agenda.

B. **Contract Amendment with STV Engineers - Update of Alternatives Analysis & Further Study for GTCR**

(15 minutes Katharine Eggleston)

ACTION REQUESTED: Authorize the Pres/CEO to execute a contract amendment to Update of Alternatives Analysis & Further Study for the Greater Triangle Commuter Rail with STV Engineers, Inc. to increase funding authorization by an amount not to exceed \$7,000,000.

Presentation

Scope of Services

C. **ILA with TJCOG for Land Use and Economic Development Analysis for GTCR**

(5 minutes Katharine Eggleston, Jay Heikes)

ACTION REQUESTED: Authorize the Pres/CEO to execute an Interlocal Agreement with Triangle J Council of Governments (TJCOG) for land use and economic development analysis for the Greater Triangle Commuter Rail in amount not to exceed \$170,000.

Scope of Services

D. **Contract for Design of 23 Wake County Bus Stops**

(5 minutes Willie Noble)

ACTION REQUESTED: Authorize the Pres/CEO to execute a task order for bus stop design services under GoTriangle Contract #18-041F, Master Agreement between Ramey Kemp and Associates and GoTriangle for On-Call Architectural and Engineering Consultant Services for an amount not to exceed \$214,032.

Presentation

E. **RUSBus Contract Amendment**

(5 minutes Shelley Blake Curran)

ACTION REQUESTED: Authorize a pre-development addendum to the MOU between Hoffman & Associates (developer) and GoTriangle for an amount not to exceed \$_____.

VI. **Other Business**

A. **FY21 Durham Transit Work Plan**

(20 minutes Jennifer Hayden)

B. **FY21 Orange County Transit Work Plan**

(20 minutes Jennifer Hayden)

C. **Chair's Report**

(5 minutes Michael Parker)

D. Board Member Reports

1. **CAMPO Executive Board Representative**
(5 minutes Will Allen III)
2. **DCHC MPO Board Representative**
(5 minutes Ellen Reckhow)
3. **Regional Transportation Alliance (RTA) Rep.**
(5 minutes Will Allen III)

VII. Closed Session - Personnel

(15 minutes Michael Parker)

NCGS §143-318.11(a)(5) To establish or to instruct the public body's staff concerning the position to be taken by or on behalf of the public body in negotiating (ii) the amount of compensation and other material terms of an employment contract or proposed employment contract AND NCGS §143-318.11(a)(6) To consider the qualifications, competence, performance, character, fitness, conditions of appointment, or conditions of initial employment of an individual public officer or employee or prospective public officer or employee. Final action making an appointment by a public body having final authority for the appointment shall be taken in an open meeting.

ACTION REQUESTED: Enter into closed session pursuant to the General Statutes listed to consider an amended employment agreement with the General Counsel.

Terms

VIII. Adjournment

(Michael Parker)

CONTRACT WORK ORDERS – MARCH 2020 (< \$100K)

Contract #	Contractor (or subject if no contractor listed)	Contract Amount	Subject	Comments	President & CEO (Shelley Blake) Date Executed	General Counsel (Thomas Henry) Date Executed
10-019	Transloc	\$6, 960	Amendment 5	This Amendment 5 provides for the removing of TransLoc Traveler from Customer Service. This is a unit price contract in the amount of \$6960. All other contract terms and conditions remain.	3/2/20	2/29/20
18-122	E-builder	\$45, 449	Amendment One E-Builder	Amendment One provides for the decrease of licenses from unlimited eB-Ent-Gov-150M-Capital_Program license to unlimited eB-ent-Gov-20M-Capital_Program licenses. Renewal Term 2/1/20 – 1/31/2021	3/9/20	3/6/20
19-017	Proterra	\$13, 108	Amendment One Proterra	Amendment Two provides for vegetation screen around the transformer at the request of the Township of Cary, NC.	3/9/20	3/6/20
19-102	Evergreen Solutions, LLC	\$42, 600	Direct Compensation & Classification Study	This project is for direct compensation and classification study services. The total cost of the project will be paid with local funds.	3/4/20	3/3/20
20-007	Harte Electric, LLC	\$33, 035	324 W. Lane Street Electrical Upfit Services	324 W. Lane Street electrical upfit services. Agreement term 3/10/20 – 5/10/2020	3/10/20	3/10/20
20-012	Hogan Lovells US LLP	\$2, 900	Letter of Engagement Hogan Lovells US LLP	This is an hourly rate contract, not to exceed the amount of \$2,900	3/9/20	3/6/20
20-014	RTA	The lesser of 25K or 25% of ttl actual consultant billings	Cost Sharing Agreement	This contract provides for a Cost Sharing Agreement with the Regional Transportation Alliance ("RTA"). GoTriangle shall pay to RTA the lesser of \$25,000.00 or 25 percent of total actual consultant billings for the FAST Study, in a lump sum payment within net 30 days of invoice receipt. The term of this Agreement begins on the Effective Date of the Agreement by both Parties. This Agreement terminates upon the earlier of the completion of the FAST Study and fulfillment of the Party responsibilities.	3/18/20	3/17/20
20-018	Canon	\$4, 302	Lease Printer for Fay Street	This contract provides for a Leased Printer for Fay Street. This is a unit price contract in the amount of \$119.50 per month for 36 months.	3/27/20	3/27/20

April 2020**NEW HIRES:**

- Joshua Thomas – Maintenance Intern

PROMOTIONS:

- None to Report

ANNIVERSARIES:

- None To Report

RECRUITING:

- Paratransit Operator I
- Bus Operator I
- Diesel Mechanic

MEMORANDUM

TO: GoTriangle Board of Trustees
FROM: Capital Development
DATE: April 8, 2020
SUBJECT: Capital Projects Status Report

Strategic Objective or Initiative Supported

2.4 Ensure an attractive and accessible transit environment

Action Requested

None

Background and Purpose

The Wake, Durham, and Orange transit plans and the GoTriangle Capital Improvement Program include funds to support planning, development, and delivery of transit capital infrastructure projects ranging from bus stop amenities to commuter rail infrastructure. This report includes a brief snapshot of the status, upcoming activities, and notable risks to on-time/on-budget delivery for active capital projects. The report is organized into the following sections:

- Bus Passenger Facilities
- Bus Operations and Maintenance Facilities
- Rail Transit Infrastructure Development

Financial Impact

None

Attachments

- None

Staff Contact(s)

- Katharine Eggleston, 919-485-7564, keggleston@gotriangle.org

This report is updated monthly. New/updated information from the previous month's report is shown in underlined green text.

Bus Passenger Facilities

Projects Under Construction

GoDurham Bus Stop Improvements (18DCI CD4)

Description – This project includes site selection, design, and construction of passenger amenities at 22 bus stops in the GoDurham system.

Status – Site selection and design are complete. Construction is divided into five packages. Construction of the first package of eight stops, second package of five stops, and third package of six stops is complete. Procurement preparation for the Glenview Station Walmart in Northern Durham (the third-busiest stop in the GoDurham system) is underway. [GoTriangle staff held a field meeting with Walmart management in early April to discuss and confirm pedestrian and vehicular traffic control requirements and safety measures, and the Invitation-for-Bids is scheduled for release in mid-April.](#) Right-of-way acquisition activities for the remaining stops are underway by the City of Durham.

Upcoming Activities – Right-of-way acquisition and preparation for construction procurement for the remaining stops are scheduled to be completed prior to the spring construction season.

Schedule Risks – The project is programmed to be completed this fiscal year, and is currently expected to be complete by [Summer](#) 2020. The primary risk to completion in the Spring is further procedural delay related to obtaining necessary right-of-way and potential construction delay related to COVID-19.

Cost Risks – The project is currently under budget. The total project budget is approximately \$1.5 million, and the current estimate-at-completion is \$1.31 million. The primary risk to completion on budget is construction market volatility. Bids for the most recent package of six stops (third package) were higher than expected, and other local government partners are reporting similar higher-than-expected costs, primarily due to significant shortages in the local and regional construction labor market. The current estimate-at-completion includes upward adjustments to estimated construction costs for the fourth and fifth packages to account for this. [The effects of COVID-19 on construction prices is not yet known, but is expected to result in more favorable pricing for the agency.](#)

Park-and-Ride Improvements in Wake County (Short-Term) (TC002-K)

Description – The Wake Transit Plan includes funding for short-term improvements to existing park-and-ride locations, in anticipation of more substantive investments that may be identified through the park-and-ride feasibility study. One such improvement is currently in construction; this project includes relocating the existing park-and-ride at the Hilltop Shopping Center in Fuquay-Varina to Wake Tech's campus. This will allow FRX passengers to access Wake Tech directly. This project is budgeted in the Wake Transit Plan for FY20.

Status – [GoTriangle's contractor installed the shelter in late March, and identified an issue requiring additional parts. Delivery of the parts is expected in early May.](#)

Upcoming Activities – GoTriangle will complete [amenities installation](#) per agreement with Wake Tech, [continue coordination with NCDOT on the adjacent roadway project](#), and will begin communicating with riders about the upcoming change to the park-and-ride location [planned to occur with August service changes](#).



Projects in Design

Southpoint Transit Center (18GOT CD2)

Description and Status – On a typical weekday, nearly 375 riders board the bus at the existing transfer point and park-and-ride at Southpoint, which is served by GoTriangle routes 800 and 800S and GoDurham routes 5 and 14. The Durham County Transit Plan includes funding for increased passenger amenities at this location. As of November 30, Southpoint had begun constructing a bus stop on Renaissance Parkway for two buses, which is not adequate for the service at this location. As of [mid-April](#), Southpoint's construction is still underway [and the City of Durham has begun work to convert](#) the westbound lane of Renaissance Parkway to a bus-only lane to provide for safe and adequate bus operations and avoid the additional cost of modifying the bus bay under construction by Southpoint.

Upcoming Activities – Southpoint is [proceeding with construction](#) and City of Durham is proceeding with [implementation](#) of the bus-only lane conversion.

Schedule Risks – The delivery schedule for this project will be determined by City of Durham [and Southpoint's construction](#). The primary risks to completion in the Spring are continued lack of progress by Southpoint's contractor and potential construction delay related to COVID-19.

Patterson Place Improvements (18GOT CD4)

Description – Nearly 200 riders per day board buses at the existing transfer point and park-and-ride at Patterson Place, which is served by GoTriangle route 400 and GoDurham routes 10 and 10A. This project includes new/additional concrete shelter pads and shelters on Witherspoon Boulevard and McFarland Drive in Patterson Place, landscaping improvements, and a curb-radius improvement to allow buses to turn right from southbound Witherspoon Boulevard onto westbound McFarland Drive to reduce bus travel time and serve additional future park-and-ride spaces.

Status – Design is underway. GoTriangle staff met with the property owner in late November to discuss the design of the passenger waiting amenities and associated property needs, and [the consultant has developed additional drawings necessary for](#) further coordination with the property owner.

Upcoming Activities – Design completion and plan approval is [on hold pending further coordination with the property owner](#).

Schedule Risks – Engagement with the property owner to agree on a design for the passenger waiting amenities may take longer than anticipated and could affect the delivery schedule. GoTriangle staff is taking a proactive and accommodating approach to coordinate with the affected owner. [Coordination with the property owner may be delayed due to COVID-19](#).

Hillsborough Park-and-Ride (18GOT CD8)

Description – This project includes site selection, real estate acquisition, design, and construction of a permanent park-and-ride for GoTriangle route ODX in Hillsborough. Park-and-ride utilization at the current leased lot for the ODX in Hillsborough is approximately 15 spaces per day. The original plan for the new lot included 35-50 spaces across two parcels of land; right-of-way for the full facility was acquired, however due to increased construction cost estimates, the scope was reduced to 31 spaces to allow for some growth in utilization while deferring full build-out to a future phase.

Status – The design is currently advancing through the plan approval process with Orange County. Staff and outside counsel have identified the need for additional real estate agreements related to use of property that had previously been identified as an existing undeveloped right-of-way within the site, and are currently coordinating with Orange county staff to evaluate the procedural steps and time required to resolve.



Upcoming Activities – Plan approval is expected within 60 days following resolution of the real estate issue. Orange County will schedule a Neighborhood Information Meeting when final plans are available, to inform neighbors of the upcoming construction project.

Schedule Risks – As noted above, a need for additional real estate agreements was identified during site plan review. Coordination with Orange County and NCDOT staff to resolve this is ongoing. The schedule for plan approval and turnover of the project to Orange County for construction is dependent on resolution of the real estate issue.

GoTriangle Bus Stop Improvements in Orange County (18GOT CD12)

Description – This project includes site selection, design, and construction of passenger amenities at up to 10 bus stops in the GoTriangle system within Orange County.

Status – Designs for four stops is complete and have been turned over to Orange County for permitting and construction. Coordination with Orange County and Town of Chapel Hill to identify location and scope of improvements for additional stops is underway. Chapel Hill Transit and NCDOT have agreed to the location and scope of four additional stops. Staff continues to coordinate with UNC Chapel Hill on the location and scope of a fifth stop improvement on campus.

Upcoming Activities – GoTriangle will initiate design of additional stop improvements pending completion of scoping.

GoTriangle Bus Stop Improvements In Wake County (TC002-L/M/Y)

Description – The Wake Transit Plan includes funding for improvements at existing and new GoTriangle bus stops throughout Wake County.

Status – [Design procurement for 23 stops is underway; the GoTriangle Board will consider the design task order in April.](#)

Upcoming Activities – [Design completion is expected in mid-2020.](#)

GoTriangle Bus Stop Improvements in Durham County (18GOT CD7)

Description – [This project includes site selection, design, and construction of passenger amenities at up to 10 bus stops in the GoTriangle system within Durham County.](#)

Status – [GoTriangle is coordinating with RTP to install amenities at two bus stops on NC 54 at the Frontier. GoTriangle released a Request-for-Quotes to remove and replace two existing bus shelters with new shelters along the eastbound side of NC 54 opposite the Boxyard project. GoTriangle also reviewed design drawings for a new bus stop along the westbound side of NC 54, which is incorporated into RTP's Boxyard project construction.](#)

Upcoming Activities – [GoTriangle will move forward with shelter installation for the eastbound stop.](#)

GoDurham Bus Stop Improvements (20GOT CD2)

Description – This project includes site selection, design, and construction of passenger amenities at 50 bus stops in the GoDurham system.

Status – Construction drawings for the first package of 10 stops were approved by the City of Durham in early March. Design of the remaining stops is underway. [Progress on land survey was disrupted in March and early April as a result of real estate system outages related to the malware attack on City and County computer systems. The system has been restored, survey progress has resumed, and the overall design schedule remains on track.](#)

Upcoming Activities – GoTriangle and City of Durham staff are coordinating to streamline the plan review and approval process for these stops, with review of the second [group of designs planned for mid-April.](#) Preparation for construction procurement for the first group of 10 is underway, [and GoTriangle is mobilizing real estate acquisition resources to prepare for the subsequent packages of stops.](#)



Projects in the Planning Phase

Raleigh Union Station Bus Facility (TC002-A)

Description – This project includes publicly-funded design and construction of an eight-bay off-street bus facility and related transit access improvements adjacent to Raleigh Union Station in downtown Raleigh, in conjunction with privately-funded mixed-use air rights development above the bus facility. The project was awarded a \$20 million BUILD grant from the US Department of Transportation (USDOT).

Status – Coordination with the preferred developer is underway. GoTriangle and FTA Region IV staff are coordinating grant paperwork. Coordination with City of Raleigh and NCDOT is underway to confirm third-party requirements affecting the project definition.

Upcoming Activities – Due diligence activities and early negotiations will continue in early 2020.

Schedule Risks – The next major milestone for delivery of the project is obtaining an executed grant agreement with FTA by summer 2020, to meet the obligation deadline for federal BUILD grant funds. Key activities that must be completed prior to that milestone include engaging a development partner and negotiating the grant agreement with FTA and USDOT. The structure of the delivery approach for the project is complex, and will require coordination and partnership with FTA region and headquarters staff to ensure grant requirements are appropriately met and documented as the contracting process with the development partner progresses. As such, a detailed schedule with realistic durations for each task will be developed and actively managed going forward.

Cost Risks – Engagement with a development partner is critical to begin advancing design to obtain a more detailed basis to refine cost estimates and obtain a clear cost risk profile for the project. Key cost risk areas include unknown geotechnical conditions, uncertain historic preservation requirements, final rezoning commitments, and design details.

Park-and-Ride Improvements in Wake County (Short-Term) (TC002-K)

Description – The Wake Transit Plan includes funding for short-term improvements to existing park-and-ride locations, in anticipation of more substantive investments that may be identified through the park-and-ride feasibility study. One such improvement is currently in the planning phase; this project includes signs, markings, and passenger amenities at a new/replacement leased park-and-ride for GoTriangle route WRX at a new location to be determined.

Status – GoTriangle engaged with the Town of Wake Forest on March 5 to discuss the proposed stop location and the number of street parking spaces available for a short term solution for the park and ride.

Upcoming Activities – In coordination with GoRaleigh and Wake County, GoTriangle is evaluating an additional proposed option on Capital Blvd.

Schedule Risks – Confirmation of viable sites is proving difficult, with multiple preferred sites proving to be impractical. Management staff is engaging to identify strategies to bring this to resolution or modify the project approach.

I-540 Bus On Shoulder (TC002-BC)

Description – This project will design, purchase, and install signage along the northwest leg of I-540 to facilitate Bus on Shoulder implementation. GoTriangle's NRX route would benefit by the ability to use the shoulder during times of heavy traffic.

Status – NCDOT has approved the conceptual plan for implementation. GoTriangle is coordinating with NCDOT staff to initiate sign designs.

Upcoming Activities – GoTriangle will coordinate with NCDOT to finalize a reimbursement agreement for the work.



Regional Transit Center Feasibility Study (TC002-N)

Description – The Regional Transit Center (RTC) is the primary hub for GoTriangle regional bus services connecting Wake, Durham, and Orange Counties. The current location of the RTC on Slater Road in Durham creates overlapping routes leading to inefficiency. This feasibility study is evaluating location options that improve route efficiency and improve passenger amenities.

Status – The existing conditions assessment was completed in December. Engagement planning [is complete](#). [Initial public engagement, including a web and social media presence and a survey will take place as a part of GoTriangle’s April virtual engagement initiative](#). [Staff have reviewed operational requirements and site evaluation criteria, consulting team is identifying and evaluating alternatives that meet those criteria](#).

Upcoming Activities – Staff and the consulting team will finalize operational requirements and site evaluation criteria, finalize the stakeholder engagement plans, identify alternatives for improvements, [conduct initial screening of those alternatives](#), initiate community engagement, and conduct stakeholder interviews.

Schedule Risks – The primary risk to continued progress is potential postponement of community/rider [and stakeholder](#) engagement related to COVID-19.

Wake Transit Long-Term Park-and-Ride Feasibility Study (TC002-O)

Description – This feasibility study will assess potential locations for park-and-ride facilities throughout Wake County. Many municipalities within the county have expressed a desire for a park and ride facility to meet the long-term needs of residents. While many communities currently lease space in existing lots, mainly within commercial developments, their locations lack amenities and proximity to major thoroughfares. This study will determine the best location for park-and-ride lots in the county.

Status – The Existing Park-and-Ride Current Conditions and Needs Assessment Report is complete. Engagement planning [is complete](#). [Initial public engagement, including a web and social media presence and a survey will take place as a part of GoTriangle’s April virtual engagement initiative](#).

Upcoming Activities – The consultant and GoTriangle staff will [finalize](#) criteria for park-and-ride lots, which the consultant will use to screen potential new park –and-ride parcels and will initiate community engagement.

Schedule Risks – The primary risk to continued progress is potential postponement of community/rider engagement related to COVID-19.



Bus Operations and Maintenance Facilities

Projects in Construction

Lane Street Building Renovations

Description – GoTriangle’s building at 324 W. Lane Street is being used for storage and fabrication of bus passenger amenities. This project will add electrical service and remove a defunct office space within the building to increase its usefulness for on-site fabrication activities.

Status – Office demolition is complete. [The electrical upfit is underway.](#)

Upcoming Activities – [Construction is scheduled to be complete by the end of May; as of early April, construction is expected to be complete ahead of schedule.](#)

Schedule Risks – The primary risk to completion in FY20 is potential construction delay related to COVID-19.

Projects in the Design Phase

[Paratransit Office Space Upfit \(TC002-J\)](#)

[Description](#) – This project will upfit office space and the parking lot at the Plaza building to facilitate moving Paratransit operations from the Nelson Road Facility.

[Status](#) – Design is expected to begin in April.

[Upcoming Activities](#) – GoTriangle will coordinate with the consultant to progress the design in the coming months.



Rail Transit Infrastructure Development

Greater Triangle Commuter Rail Study (19GOT_CO2/20GOT_CD1/TC004-A)

Description – [This study is evaluating feasibility of a potential commuter rail service between Mebane and Selma within the existing North Carolina Railroad Company corridor. A first phase, which is substantially complete, evaluated operational requirements, infrastructure needs, capital and operating cost estimates, and ridership modeling. The additional work, scheduled to begin next month will refine the project definition; engage community members, municipalities, and institutional stakeholders; and better understand critical project success factors. This further study will conduct preliminary engineering analysis in areas of concern along the corridor, model rail traffic on the corridor with the inclusion of commuter rail to better define infrastructure needs, and better refine cost and ridership estimates.](#)

Status – [GoTriangle staff, consultants, and project partners are finalizing documentation of the initial phase of study. As of April 6, all parties to the Memorandum of Understanding in Support of Continued Development of the GTCR Project, including Johnston county, have voted to proceed with further study. Authorizations for additional consultant support will be considered by the GoTriangle Board this month.](#)

Upcoming Activities – [Priority early activities in the second phase of work are as follows:](#)

- [Coordination with North Carolina Railroad Company, Norfolk Southern, CSX, and NCDOT Rail Division to initiate rail network modeling by Norfolk Southern.](#)
- [Engagement with “resource partners” including local governments, institutions, and other regional partners to develop coordination plans for this phase of work.](#)
- [Preparation for an initial round of community engagement, which may be performed mostly/all online depending on the duration of distancing requirements and norms related to COVID-19.](#)
- [Development of a detailed schedule and project execution plan for this phase of work.](#)

Schedule Risks – To date, it appears that primary risks to timely completion of the next steps are related to coordination with entities that are not party to the MOU (e.g. railroads, municipalities, affected major institutions) and identification and resolution of competing/conflicting stakeholder goals. These are key priorities with the next steps defined in the MOU.

Cost Risks – To date, it appears that primary risks to setting a budget within the range of \$1.4B to \$1.8B identified during this phase of study for the Durham-Garner project concept are related to the infrastructure requirements resulting from rail network modeling and related negotiation, design for engineering solutions to engineering constraints in downtown Durham and downtown Cary, and quantification of necessary levels of contingency required to address FTA risk management guidelines. These are key priorities with the next steps defined in the MOU.



GoTriangle Board of Trustees
Meeting Minutes
March 25, 2020
Held Remotely via WebEx

Board Members Present Remotely:

Will Allen III

Corey Branch

Michael Fox - ex officio, non-voting

Sig Hutchinson

Vivian Jones

Valerie Jordan - ex officio, non-voting

Mark Marcoplos

Michael Parker, Chair

Ellen Reckhow

Jennifer Robinson

Nina Szlosberg-Landis - ex officio, non-voting

Board Members Absent:

Wendy Jacobs - excused

Steve Schewel - excused

Chair Michael Parker officially called the meeting to order at 12:06 p.m. once a quorum was received.

I. Suspension of By-laws

Action: On motion by Allen and second by Reckhow the Board suspended those provisions of the By-Laws that would require physical attendance of any Board or committee member at meetings for the transaction of business. This action includes Article II (Section 6, 7, and 9) and Article X and will remain in effect for the duration of the referenced Executive Orders, but will be automatically terminated upon rescission of the Declaration of a State of Emergency related to Coronavirus Disease 2019. The motion was carried unanimously.

II. Adoption of Agenda

Action: On motion by Reckhow and second by Allen the agenda was adopted. The motion was carried unanimously.

III. Recognition

Information on new hires and promotions was included in the agenda.

IV. Public Comment

No comments.

V. Consent Agenda

Action: On motion by Branch and second by Allen the consent agenda was approved. The motion was carried unanimously.

The following consent agenda items were approved:

- February 21, 2020 – Closed Session Minutes;
- February 26, 2020 – Regular Session Minutes;
- February 26, 2020 – Closed Session Minutes; and
- March 11, 2020 – Special Session Minutes.

VI. General Business Agenda

A. Items Removed from Consent Agenda

None.

B. Commuter Rail Transit MOU

Katharine Eggleston stated that all the other parties to the MOU (Durham County, Wake County, the two MPOs, NCDOT and NCRR) except Johnston County have approved it. Johnston County is scheduled to vote in April. If GoTriangle approves it today, a consultant contract amendment should come to the Board in April.

Parker asked if there would be impacts if Johnston County is delayed in approving. Eggleston responded no on the project side, technical work can move forward with the Durham to Garner piece. Tom Henry stated that the MOU includes an April 15th deadline for Johnston County so that they could join the other parties as quickly as possible. He stated if Johnston is unable to meet that deadline, the other parties would have to come together and decide whether to forgive any missing of the deadline.

Action: On motion by Allen and second by Reckhow the Board adopted Resolution 2020 0001 Resolution of the GoTriangle Board of Trustees Approving a Memorandum of Understanding in Support of Continued Development of the Greater Triangle Commuter Rail Project. The motion was carried unanimously. The resolution and MOU are attached and hereby made a part of these minutes.

C. FY20 Work Plan Amendments

Jay Heikes' presentation is attached and hereby made a part of these minutes. He presented five FY20 Q3 work plan amendments, which also require budget ordinance amendments.

- Orange County – purchase of five light duty buses for OPT mobility on demand service, received positive recommendation from Orange staff work group - net impact \$229,500
- Durham County - service changes implemented on January 25, 2020, in accordance with the GoDurham Short Range Service Plan - cost neutral
- Durham County - additional funding to construct the final three bus stops of FY20 GoDurham Better Bus Stops, includes Glenview Station Walmart bus

stop which is the third busiest bus stop with and more substantive improvements – net impact \$250,000

- Durham County – Durham County’s share of additional funding tied to the MOU for commuter rail, total Durham County share \$2.7 million - \$465,000 from remaining FY20 funds – net impact \$2,235,000
- Wake County – Wake County’s share for commuter rail amendment - \$333,000 from carry-over funds and remaining \$5.67 million reallocated from commuter rail reserve - cost neutral

Action: On motion by Reckhow and second by Allen the Board unanimously approved amendments to the FY20 county transit tax work plans for Orange, Durham, and Wake counties and enacted the budget ordinance amendments listed below:

- 2020 0006 GoTriangle FY20 Triangle Tax District - Orange Operating Fund Budget Ordinance Amendment
- 2020 0007 GoTriangle FY20 Triangle Tax District - Orange Capital Fund Budget Ordinance Amendment
- 2020 0008 GoTriangle FY20 Triangle Tax District – Durham Operating Fund Budget Ordinance Amendment
- 2020 0009 GoTriangle FY20 Triangle Tax District – Durham Capital Fund Budget Ordinance Amendment
- 2020 0010 GoTriangle FY20 Triangle Tax District – Wake Capital Fund Budget Ordinance Amendment

These budget ordinance amendments are attached and hereby made a part of these minutes.

D. Suspension of Fares and Service Change Procedures

Interim President/CEO Curran requested authority to be able to make fare collection and service change decisions as necessary during the period of Emergency Orders related to COVID-19. She asked that the Board suspend GoTriangle by-laws, resolutions, and policies related to the establishment of fares and service changes. Curran added that rear boarding began on Monday and fares were suspended temporarily.

Action: On motion by Branch and second by Reckhow the Board delegated to the President and CEO the authority to make fare-collection and service-change decisions as necessary to respond to the rapidly-unfolding coronavirus emergency in the manner that best serves public health and the health interests of GoTriangle’s customers and employees and suspended existing GoTriangle by-laws, resolutions and policies related to the establishment of fares and service changes to the extent

such provisions might conflict with this delegation of authority. This delegation will automatically terminate upon rescission of the declaration of a state of emergency related to coronavirus disease 2019, unless rescinded earlier by vote of the GoTriangle Board of Trustees. The motion was carried unanimously.

Curran noted that this authority will terminate upon termination of the state of emergency or by action of the Board of Trustees.

VII. Other Business

A. President and CEO's Report

A list of contracts approved by the President and CEO and this month's capital projects status report are attached and hereby made a part of these minutes.

Curran highlighted the following items:

- In addition to the suspension of fares and implementation of rear boarding on Monday, employees at the Plaza Building have been encouraged to work from home. Bus operations are considered an essential service. We are working with Raleigh and Durham about reducing service while continuing to serve the public.
- The buses are receiving extra cleaning with a strong disinfectant. Eric Bergstraesser is participating in a daily call with other regional service providers.

Bergstraesser added that ridership is down 70% this week from last, which was down 65% from the prior year. The regional transit agencies have been holding daily calls for the past week and a half discussing best practices for disinfecting buses and possible service changes. We would like to collaborate for a regional message that makes it easy for our customers.

Rear boarding and fare-free is going well. Today we are starting audio announcements and public service messages about COVID-19 as well as placing placards on the buses. The handicapped seats are raised to increase the distance between the driver and passengers. Cleaning is now being conducted in some cases twice daily and with the procurement of a fogger we can get places that regular cleaning cannot access. Our facilities cleaning also has been stepped up through our third party vendor.

Last week we held a meeting with bus operations to communicate that they are our primary concern and what we are doing to protect them and our customers. We also were able to hear from them about their concerns.

Szlosberg-Landis asked about the stimulus bill. Bergstraesser responded that the CARES Act could pass this afternoon, which should include \$20 billion for transit - \$4 billion for rural and \$16 billion for urbanized areas. Parker stated it has increased to \$25 billion and APTA will be conducting a webinar today at 4 p.m.

Bergstraesser added that FTA has relaxed some of its standards for formula funds on operating. Staff is tracking all expenses related to COVID-19.

Parker thanked everyone for their dedication and hard work during these difficult times. He noted that many are putting themselves at risk to provide essential service.

B. Chair's Report

Chair Parker stated that it is important that messaging be consistent: stay home if possible, use your private vehicle if you must get out and the bus as a last resort.

C. Board Member Reports

1. CAMPO Executive Board Representative

Will Allen III reported the following items were approved:

- FY20 Wake Transit Work Plan amendment for commuter rail early project development activities
- MOU in Support of Continued Development of the Greater Triangle Commuter Rail Project
- Resolution of Support for the Development of the Rail Corridors Referred to as the S-Line and SA-Line for the Benefits of Improved Passenger Rail, Improved Freight Movement, Improved Commuting Options and Economic Development.

Allen added that the group also received a status report on the Wake Transit Plan Update.

2. DCHC MPO Board Representative

Ellen Reckhow stated that the MPO board also approved the MOU for commuter rail and discussed the SPOT process. She said two items on the list would be beneficial to commuter rail by improving bridges and above-grade crossings to enhance the corridor.

3. Regional Transportation Alliance (RTA) Representative

Will Allen III advised that RTA has implemented an innovation series, with webinars in April on innovative approaches to freeways, intersections and transit and automated mobility and connected transportation.

4. Chatham/Orange Joint Planning Task Force Representative

Mark Marcoplos reported on a 15-501 corridor report by Chatham County, which he will make available.

VIII. Adjournment

Action: On motion by Branch the meeting was adjourned at 12:42 p.m.

Michael Parker, Chair

Attest:

Michelle C. Dawson, CMC
Clerk to the Board

Draft

*Connecting all points of the Triangle*

MEMORANDUM

TO: GoTriangle Board of Trustees
FROM: Capital Development
DATE: April 8, 2020
SUBJECT: **Authorization for Amendment of GoTriangle Contract #19-001, Update of Alternatives Analysis & Further Study for the Greater Triangle Commuter Rail with STV Engineers, Inc.**

Strategic Objective or Initiative Supported

1.2 Pursue service improvements and expansion opportunities

Action Requested

Staff requests that the O&F committee recommend that the Board authorize the President & CEO to execute an amendment to GoTriangle Contract #19-001, Update of Alternatives Analysis & Further Study for the Greater Triangle Commuter Rail with STV Engineers, Inc. to increase funding authorization by an amount not to exceed \$7,000,000.

Background and Purpose

The prior year Durham and Wake transit work plans included \$3.15 million for study of the potential commuter rail service in the North Carolina Railroad Company owned corridor between Garner and Durham, with \$850,000 allocated in Durham (18GOT_CO2), and \$2.3 million allocated in Wake (TC004-A), with additional unspent funds remaining from the commuter rail portion of the earlier Major Investment Study in Wake (TC-003A) as well.

At its April 2019 meeting, the GoTriangle Board of Trustees authorized the President & CEO to execute a contract with STV Engineers Inc. to perform pre-planning work for the Greater Triangle Commuter Rail Study. The scope of this contract encompasses alternatives analysis and further study of potential commuter rail service in the North Carolina Railroad Company owned corridor between Mebane and Selma, including assessment of risks to project viability, scope, cost, and schedule for several combinations of service levels and geographic extents within the study area.

The initial phase of work was authorized at a cost of \$850,151.39, and that work is substantially complete. Work completed to date under this contract has been primarily focused on factors necessary to evaluate the project's likelihood of eligibility for federal funding, a critical success factor without which the project would not be viable for further consideration. This initial work



supports a conclusion that two potential scenarios may be eligible for federal funding, pending additional analysis: 1) Durham to Garner and 2) Durham to Clayton. The results of this initial work were presented to the GoTriangle Board and other project management partner boards in December 2019, and January, February, and March 2020.

For the project to proceed, further study is required to refine the project definition; engage community members, municipalities, and institutional stakeholders; and better understand critical project success factors.

At its March 2020 meeting, the GoTriangle Board authorized the Board Chair and President and CEO to execute the Memorandum of Understanding (MOU) in Support of Continued Development of the Greater Triangle Commuter Rail (GTCR) Project. This MOU identifies GoTriangle as the project sponsor and lead entity responsible for a range of tasks identified for further study and evaluation prior to a decision by the funding partners on whether or not to advance the project into implementation and apply for entry into the Federal Transit Administration Capital Investment Grants Program.

The MOU also memorializes an increased funding commitment resulting in a total of approximately \$9 million shared by Wake, Durham, and Johnston counties to pursue this additional study, and a commitment of \$250,000 from North Carolina Railroad Company to share the costs of concurrent rail network modeling to be performed by Norfolk Southern.

GoTriangle staff has negotiated with STV the attached scope of additional services and recommends the board authorize the President & CEO execute an amendment increasing the contract value by up to \$7,000,000, to support the majority of the GoTriangle-led tasks in the MOU.

Staff will also recommend that the Board consider a separate contract with TJCOG to support evaluation of non-monetary costs and project benefits (not to exceed \$170,000), and will bring a reimbursement agreement to compensate Norfolk Southern for rail network modeling (estimated at \$500,000 to \$750,000) for consideration at a future meeting. As noted above, North Carolina Railroad Company has committed funding of \$250,000 towards the rail network modeling.

Financial Impact

The cost of this study is within the FY20 Wake and Durham transit plan budgets for commuter rail. At its March 2020 meeting, the GoTriangle Board approved FY20 work plan budget amendments for Wake and Durham resulting in total project allocations of \$6,000,000 and \$2,700,000, respectively. Johnston county has also committed \$250,000. This equates to a total of \$8,950,000 available for this study from the three counties, of which \$7,000,000 is proposed to be allocated to this contract amendment, \$170,000 is proposed to be allocated to an agreement with TJCOG, and an additional \$500,000 is recommended to be reserved for a future contract with Norfolk Southern for rail network modeling.



Attachments

- Scope of Additional Services

Staff Contact

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Commuter Rail Update

- March 2020
 - Wake, Durham, CAMPO, DCHC MPO, NCDOT, NCRR, and GoTriangle board votes
- April 2020
 - Johnston board vote
- Today's meeting
 - Contract amendment for study consultant STV
 - New contract for land use and economic development evaluation by TJCOG

Funding Status

Unrestricted funding for all project activities in this phase	
Durham Transit Plan	\$2,700,000
Wake Transit Plan	\$6,000,000
Johnston County	\$250,000
Subtotal, Unrestricted Funding	\$8,950,000
Additional funding for rail network modeling reimbursement	
North Carolina Railroad Company	\$250,000
Total Funding for this Phase	\$9,200,000

Budget Status

Today's Commitments	
Study Consultant (STV)	\$7,000,000
Project Metrics Evaluation Support (TJCOG)	\$170,000
Today's Commitments Subtotal	\$7,170,000
Future Commitments and Unallocated Budget	
Rail Network Modeling (NSR) – estimate	\$500,000 to \$750,000
Unallocated Budget	\$1,450,000
Total Budget for this Phase	\$9,200,000

Potential uses of unallocated budget may include: additional specialty consultants (e.g. financial modeling), outside counsel, reimbursements to agencies for review expenses, staffing, and additional work identified during early study activities

Study Schedule

- Overall target duration of 12-18 months
 - 12 months for primary activities
 - Six additional months for presentation of findings to partner boards and local decision-making on next steps
- Impact of COVID-19 on the schedule is unknown at this time
 - Significant community engagement envisioned as part of this phase

Study Consultant (STV)

- Scope of additional work is aligned with MOU tasks, supporting additional project analysis and study prior to a decision whether to enter New Starts Project Development

Project Management

- Project administration
 - Progress monitoring
 - Cost and schedule control
- Project management support
 - Coordination with project management partner entities
 - Issue tracking and resolution

Task 1

Stakeholder Engagement

- Resource partners
 - Project management partners (MOU Parties)
 - Municipal partners
 - Regional and major institutional partners
 - Other critical third parties (e.g. railroad operators)
- Community engagement
- Regulatory agency engagement

Task 2

Rail Network Modeling Support

- Engagement with NSR and CSX to represent GoTriangle in modeling work
- Parallel effort to test scenarios, confirm inputs, and validate results
- Update operating plan, fleet size assessment, and train storage and maintenance requirements

Task 3

Refine Project Concept

- Design criteria documentation
- Corridor screening
- Rolling stock and station design considerations
- Survey and preliminary engineering analysis for key areas

Task 4

Refine Project Concept

- Station siting alternatives analysis and pedestrian access concepts
- Park-and-ride evaluation
- Maintenance and layover facility evaluation
- Implementation schedule and cost estimates

Task 4

Ridership Estimating

- Incorporate future bus network assumptions
- Evaluate impacts of fare policy (multiple price points, zone-based fare, GoPass)
- Refine model development for Clayton area
- Update model for new MPO land use assumptions

Task 5

Project Evaluation

- Real estate market analysis and projection
- Regional economic impact analysis
- Noise and vibration review
- Community characteristic assessment

Task 6

Agreements and Long-Term Management Plan

- Prepare approvals work plan
- Support railroad coordination
- Facilitate commitment of non-CIG funding
- Support development of long-term project management plan
- Update risk register

Task 7

Project Metrics Evaluation Support (TJCOG)

- Companion to STV Task 6
- Corridor travel market analysis
- Station area land use and joint development potential analysis
- Affordable housing opportunity analysis
- Access to opportunities analysis
 - population, employment, access, mobility and reliability metrics

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Task 1: Project Management

This consultant scope is a subset of activities determined by the Greater Triangle Commuter Rail (GTCR) project management partners (the parties to the Memorandum of Understanding in Support of Continued Development of the Greater Triangle Commuter Rail Project [GTCR MOU]) to be necessary to identify a commuter rail system to be implemented on right-of-way owned by North Carolina Railroad Company that will be technically, financially, legally, and politically achievable. The full scope of Early Project Development activities, including activities outside of this consultant scope, is generally described in Exhibit A of the GTCR MOU.

Task 1A: Project Administration

GoTriangle and the consultant jointly desire to administer this scope of work in a deliberate, cost-effective, and transparent manner. In support of these goals, the consultant shall:

- 1) Develop and maintain project execution plan for early project development activities, including organizational charts and QA/QC and safety plans and procedures applicable to the prime consultant and subconsultants. Submit initial documents for GoTriangle review within 15 days of notice to proceed (NTP). GoTriangle and the consultant will use best efforts to finalize these documents no later than 45 days following NTP.
- 2) Develop and maintain a detailed, task-specific project schedule for early project development activities, including consultant-led tasks in this scope of work as well as other tasks led by GoTriangle and other partners, in a format acceptable to GoTriangle. Furnish initial schedule within 15 days of NTP and furnish monthly schedule updates.
- 3) Progress reporting (documentation and meetings)
 - i. Furnish monthly progress reports and itemized invoices in a format acceptable to GoTriangle no later than the 20th day of the month following each invoice period. For June invoices (GoTriangle fiscal year close), furnish June invoice amount no later than July 15.
 - ii. Lead weekly project administration meetings with GoTriangle; develop and distribute agendas and furnish meeting summaries
 - iii. Participate in monthly executive oversight team meetings with GoTriangle; develop and distribute agendas and furnish meeting summaries
- 4) Furnish projected expenditure forecast by month within 15 days of NTP; furnish updated forecasts on a quarterly basis thereafter
- 5) Submit all project deliverables, associated quality records, and in-progress work products requested by GoTriangle via GTCR SharePoint site in a format consistent with GoTriangle file system specifications
- 6) Perform a formal review of this scope of work at the midpoint of the period of performance, and coordinate with GoTriangle to update as necessary to conform to evolutions in project needs.

Deliverables:

- a) Project Execution Plan
- b) Project Schedule (Initial and updated monthly)
- c) Expenditure Forecast (initial and updated quarterly)
- d) Monthly Progress Report / Invoice (monthly)

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Task 1B: Project Management Support

GoTriangle desires to augment its staff capacity for project management with qualified, capable, and available consultant resources through the period of performance of this scope of work.

The consultant shall:

- 1) Employ a full-time project manager to manage consultant work for early project development activities and support GoTriangle with management of the GTCR effort
- 2) Lead monthly project management partner meetings; develop and distribute agendas and furnish meeting summaries. Lead additional project management partner or subgroup meetings as necessary to support development and review of consultant work product.
- 3) Participate in monthly project management partner conference calls as requested by GoTriangle; furnish meeting summaries
- 4) Develop and maintain a project-wide issues log to track and monitor resolution of issues requiring client or third-party input and/or approval

Deliverables:

- a) Meeting Agendas (24 meetings)
- b) Meeting Summaries (24 meetings)
- c) Project Issues Log (updated biweekly)

Task 2: Community, Stakeholder, and Resource/Regulatory Engagement

Exceptional, frequent, meaningful engagement is as important as the technical work in supporting local funding partner boards as they consider whether to commit upwards of one billion dollars of local revenues across multiple counties to pursue implementation of commuter rail service. The subtasks below focus on three key engagement elements: a) resource partners; b) community stakeholders; and c) state and federal regulatory agencies. This engagement must be well-coordinated with engagement led by MPO and other local partners for the county transit plans and other ongoing transit projects and initiatives.

Primarily due to differences in timing of the development of plans for transit in each county throughout the region, there is not currently a clear regional consensus about the priority for implementing this project relative to other potential investments. A primary objective of this phase of work is to support regional decision-making on whether to commit upwards of one billion dollars of local revenues across multiple counties to pursue implementation of commuter rail service in this decade, or whether to pursue a different strategy. To date, planning and prioritization of this investment relative to others has been disjointed across the counties; the upcoming year of transit plan updates in Durham and Wake counties, evaluation of potential funding strategies for Johnston county, and concurrent pursuit of the tasks included in this scope of work provide an opportunity to bring these into alignment.

Task 2A: Local Agency and Resource Partner Coordination

Prepare and begin implementing agency coordination plans, defining roles and responsibilities of each party. Support GoTriangle and the MPOs to develop and obtain concurrence for the plan(s) with each affected local government and major institution.

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Implement a Resource Partner engagement strategy based on the following framework, defining roles, responsibilities, information sharing approach, and meetings. Resource Partners are composed of four groups:

- Project Management Partners (GoTriangle, Wake County, Durham County, Johnston County, CAMPO, DCHC MPO, NCRR (railroad owner), and NCDOT).
- Municipal Partners with land use jurisdiction along the corridor (Durham, Morrisville, Cary, Raleigh, Garner, Clayton).
- Regional and Major Institutional Partners, including Duke University, NC Central University, NC State University, the Research Triangle Foundation, the Triangle J Council of Governments, RDU Airport and the Regional Transportation Alliance.
- Any other specified “critical third parties” as that term is commonly understood for projects in the FTA Capital Investment Grants program, other than state and federal resource agencies included in Task 2C. Railroad operators including Norfolk Southern and CSX are included, and Amtrak to the extent necessary.

A “co-design” approach to the Project Concept will be critical for region-wide support and such techniques as “over the shoulder” working sessions shall be used to the extent practicable. Representatives of the four above groups will constitute the Resource Partners and will be encouraged to engage in input to and review of draft deliverables through a regularly-updated web-based portal and through in-person and/or virtual meetings to be scheduled regularly during the project’s duration. As noted, some of these meetings may be work sessions. Scheduled meetings may be cancelled by GoTriangle if there are insufficient agenda items to warrant a meeting. The Project Management Partners may choose to meet more frequently to oversee administration of the project.

The consultant shall:

- 1) Provide an experienced partnering facilitator to prepare for and convene an executive partnering kickoff with GoTriangle and the chief executive and designated project lead from each Resource Partner, monitor progress, and convene up to four additional partnering meetings throughout the period of performance. These meetings will be in addition to regular project management partner meetings. Consultant shall generate and maintain meeting materials, summaries, action item logs, and other similar documentation.
- 2) Coordinate with GoTriangle and Resource Partners to develop and implement individualized work plans and schedules for staff-level engagement with each entity, and a strategy to overlay individualized efforts with regular joint meetings of the Resource Partners as a group. For example, for each municipality, develop and implement a detailed work plan of anticipated materials for review and strategy for review periods and/or over-the-shoulder working sessions, with relevant municipal departments (water management, transportation, public works, planning, etc.). Consultant shall generate and maintain meeting materials, summaries, action item logs, and other similar documentation.
- 3) Develop and implement concurrence plan in accordance with Wake Transit Plan concurrence process.

Deliverables:

- a) Agency Coordination/Concurrence Plan (Draft and Final)
- b) Agendas and Meeting Summaries for 5 Partnering Meetings
- c) Individualized work plans and schedules

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Task 2B: Community Engagement

Prepare and begin implementing a communications and community engagement plan, defining roles and responsibilities of each project management partner and how stakeholders will be invited to participate meaningfully in the activities undertaken in this phase.

Goals for the communications and community engagement plan during this early project development phase include:

- Develop and maintain broad public understanding of the proposed commuter rail service
- Community engagement:
 - Support transparency and encourage two-way communication by conducting outreach regularly with residents, businesses, and groups within the project corridor
 - Facilitate meaningful public input into the project evaluation and development process by providing numerous and varied opportunities for public participation
 - Place specific emphasis on engaging with populations most likely to be adversely affected by the project and those who have been historically marginalized in transportation decision-making (i.e. environmental justice and limited English proficiency (LEP) populations)
 - Ensure participation representative of the multi-county geography, including consideration of race/ethnicity, age, gender, and other demographic characteristics
- Communications and media relations:
 - Maintain ongoing communication with Project partners and keep elected officials and funding partners informed regarding the Project
 - Ensure key project messages are consistent, clear, and responsive to changing needs
 - Develop a unified voice to ensure that stakeholders receive clear and consistent communication from all members of the project team

The consultant shall support community engagement and communications as follows:

- 1) Community engagement:
 - i. List and map directly affected environmental justice communities and design activities to ensure engagement with these populations. The City of Durham Equitable Engagement Blueprint will serve as one of the resources to guide this engagement.
 - ii. Develop a task-specific schedule of project milestones to identify timeline for meaningful stakeholder engagement and disseminating project information.
 - iii. Coordinate with GoTriangle and others as appropriate to establish an overall outreach project calendar that is complementary to other ongoing transit-related engagement processes in the project area.
 - iv. Develop materials to support online engagement for up to three engagement windows. Create text and graphical content, develop engagement format, and coordinate with GoTriangle to implement and market using existing GoTriangle/GoForward website, social media, and Public Input engagement channels. Coordinate with GoTriangle and MPOs to provide materials as needed for integration with ongoing transit plan engagement.
 - v. Provide staffing support for 12 public meetings and 6 pop up meetings. GoTriangle will secure the location, handle the media releases, provide Spanish translation services through their existing on-call, create sign in sheets and staff the sign in table. The consultant will provide project display boards and other material and provide technical staff support to engage with the community.
 - vi. Post-meeting, the consultant will assist Go Triangle compiling responses to comments received in the meeting, and those comments received up to 2 weeks after the meeting through the Public Input site or

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sent directly to Go Triangle staff. Deliverable format could be in the form of a FAQ sheet or using tables/graphics.

- vii. For tasks involving the design of infrastructure through highly-visible locations including central Durham, central Cary and central Raleigh, utilize "co-design workshops" or similar approaches that engage organizations with related missions such as the Downtown Raleigh Alliance and Downtown Durham Incorporated
- viii. Prepare a final report summarizing outreach and engagement statistics, input received, disposition/outcomes of input, and recommendations for community engagement during the implementation phase, if applicable. Final report shall include detailed appendices documenting engagement activities throughout the study period.

2) Communications

- i. Prepare print format and web-based communications materials including PowerPoint decks, fact sheets, maps, and infographics for use by GoTriangle and project management partners.
- ii. Draft monthly project update briefings for use by GoTriangle and project management partners.
- iii. Support GoTriangle and project management partners as requested in participating in media briefings, board presentations, and interviews.

Deliverables:

- a) Communications / Community Engagement Plan (Draft and Final)
- b) Stakeholder Engagement Milestone Schedule
- c) Materials for Public Meetings (2 staff X 12 meetings)
- d) Post-Meeting Comment Compilation (supporting GoTriangle, 18 meetings)
- e) Final Summary Report

Task 2C: Resource/Regulatory Agency Coordination

Prepare and implement resource/regulatory agency plan to initiate necessary consultation with federal and state regulatory agencies to confirm anticipated requirements for approvals, identify the National Environmental Policy Act (NEPA) lead and cooperating agencies, obtain a class of action determination, and initiate environmental scoping.

Development of a reliable assessment of project schedule risk and estimate of costs for project development will require engagement with regulatory agencies to define the framework for required environmental review and permitting/approvals that would be necessary if the project moves forward beyond this scope of work.

The consultant shall:

- 1) Support consultation with FTA and, if applicable FRA, to:
 - i. Identify the National Environmental Policy Act (NEPA) lead and cooperating agencies
 - ii. Obtain a Class of Action determination
- 2) Support consultation with federal and state regulatory agencies to confirm anticipated requirements for approvals

Deliverables:

- a) Resource/Regulatory Agency Coordination Plan
- b) Class of Action Recommendation with basis

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Task 3: Rail Network Modelling Support

Engage with NCRR, NSR, and CSX to perform RTC modeling and determine alternate operating plans and associated infrastructure improvements that will be approved by the railroad owners and operators and GoTriangle.

Rail network modeling has been identified as a key tool necessary to obtain buy-in for the Project Concept from the operating railroads.

The consultant shall:

- 1) Support GoTriangle and NCRR as needed during the process of entering into an agreement with NSR and CSX for rail network modelling services.
- 2) Develop/compile information to be provided to NSR and CSX as applicable:
 - i. Update operating plans to include non-revenue train movements (requires assumption about location of maintenance facility)
 - ii. Network schematic / track chart showing infrastructure assumptions in format acceptable to GoTriangle, NCRR, NCDOT, and NSR. If drawings are required, only existing information from prior studies would be provided.
- 3) Conduct bi-weekly meetings with NCRR and NCDOT Rail Division.
- 4) Assist GoTriangle with review of, and response to, NSR modelling deliverables.
 - i. Attend meetings.
 - ii. Comment on results.
 - iii. Develop revised operating/infrastructure parameters
- 5) The consultant will conduct rail network modelling in parallel with NSR work to test alternate scenarios, confirm inputs, and validate results using Rail Traffic Controller (RTC) network simulation software (developed and licensed by Berkeley Simulation Software, LLC) to perform the following services:
 - i. Prepare a Base Case commuter rail network operations simulation model of the territory from West Durham to Clayton
 - ii. Prepare, simulate, and evaluate up to three Future Case simulation models and variants/iterations as necessary to evaluate service/infrastructure tradeoffs

Assumptions and details will be determined through coordination with GoTriangle, NCRR, and NCDOT.

- 6) The consultant will update fleet size assessment and train storage and maintenance requirements to be consistent with evolutions in the operating plan

Deliverables:

- a) Revised Operating Plan (Draft and Final)
- b) Network Schematic / Track Chart
- c) Rail Network Modeling for West Durham to Clayton (Base Case and 3 future scenarios)

Task 4 Refine Project Concept

Development of a credible cost estimate and assessment of project cost risk requires identification and evaluation of key engineering and constructability risks. The consultant shall pursue a deliberate and systematic approach and collaborate with GoTriangle to prioritize engineering analysis efforts on issues that represent the greatest risks to project viability and cost.

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Task 4A: Development of Concept Design Criteria and Basis of Design

Assemble and evaluate material, standards, and information available from GoTriangle, NCRR, NCDOT Rail Division, Amtrak, NSR, CSX and other project stakeholders as necessary along with the data already obtained to assist in the development of project-specific design criteria for use in early project development. The data sources include but are not limited to the following:

- North Carolina Railroad (NCRR) Design & Construction Standards and corridor requirements
- NCRR Infrastructure Planning Study (2016)
- Norfolk Southern (NS) Public Projects Manual & NS Special Provisions for Protection of Railway Interests and other requirements
- CSX Public Projects Manual
- NCDOT- Rail Division Standards
- NCDOT Manual of Design Criteria
- Amtrak Specification 63 Design Standards
- Amtrak Station Planning and Program Guidelines

The consultant shall:

- 1) Research, compile, and review existing standards and practices, along with the application of current technologies, methodologies and lessons learned from other relevant concept studies and criteria for functional performance refining the project concepts. The design criteria will reflect industry guidelines such as the American Railway Engineering & Maintenance Association (AREMA), AASHTO, national codes and standards, regulations and requirements of the FRA and FTA, applicable standards specified by GoTriangle, and where necessary, applicable standards and regulations of governmental agencies and stakeholders.
- 2) Conduct six meetings, including a kick-off meeting and discipline-specific meetings.

Deliverable:

- a) Design Criteria Document (draft and final)

Task 4B: Corridor Screening

Perform detailed corridor screening to confirm key engineering and constructability risk areas, including geographic areas with complex roadway interface, topography, encroachments, adjacent structures, critical utilities, and other environmental features.

Identify particular high-risk areas that should be considered for engineering analysis in this phase due to potential impacts to project viability or project definition, or as needed to inform cost and schedule contingency. Areas that may warrant grade separation or crossing closures should be evaluated in this phase, along with areas that may require complex construction phasing.

This assessment shall include:

- 1) Aerial reconnaissance
- 2) Field visit, including any necessary hi-rail trip. [Note: Any hi-rail trips will require railroad approvals and possibly insurances for non-railroad employees. Coordinate any hi-rail trips through NCRR.]
- 3) Workshops with Resource Partners
- 4) High-level assessment of compatibility with design criteria documented in Task 4A

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- 5) Work with MPOs, NCDOT and NCRR to document related projects that could or should be complete before the commuter rail (informing a No Build scenario)
- 6) Work with MPOs, NCDOT and NCRR to identify aspects of the commuter rail project that represent opportunities for state or other funding or negotiation
- 7) Establish all information in comprehensive GIS database

Deliverables:

- a) No-Build Assumptions and High Risk Areas Screening Methodology Tech Memo
- b) Web-based GIS database

Task 4C: Evaluate Rolling Stock and Station Design Considerations

Evaluate rolling stock and station design considerations to develop conceptual approach to address applicable federal performance standards for rolling stock accessibility (49 CFR § 37.42).

Ensuring that transit service is accessible and easy to use is a key element of GoTriangle's mission and a goal of regional transit advocates. However, accessibility in a shared-use rail corridor can pose challenges and require compromises. Federal requirements and industry standards for commuter rail accessibility are evolving, but implications for rolling stock and station design are critical to informing project definition, cost, and schedule contingency. This purpose of this task is to revisit working assumptions about the commuter rail fleet and associated implications for station and right-of-way requirements. This task shall include engagement with Resource Partners, regulatory agencies, and the general public as outlined in Task 2. Two workshops are assumed.

The consultant shall:

- 1) Conduct a scoping meeting with the project management partners and their recommended participants. The consultant will present current rolling stock assumptions, considerations from peer corridors, options on the market today, and conceptual design considerations.
- 2) Conduct analysis
- 3) Present developed information for consideration
- 4) Incorporate adopted recommendations into the project concept

Conceptual design considerations shall include:

- Available rolling stock (locomotive and passenger coach) options
 - Full FRA compliance and alternative compliance
 - Rolling stock floor heights
- Amtrak, NSR, CSXT and applicable STRACNET clearance envelopes
- Potential for separate platforms for Amtrak and commuter rail at Durham, Cary, and Raleigh
- Norfolk Southern Passenger Station Requirements
- ADA accessibility regulatory requirements, including vertical and horizontal gaps
- Station/Platform accessibility solutions
 - Mini-high platforms
 - Platform-based lifts
 - Gauntlet tracks
 - Retractable platform edges
 - Dedicated station tracks
- Vehicle accessibility solutions
- Bridging devices (manual or automatic; ramps or bridge plates)

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- Car-borne lifts
- Existing Amtrak station configurations and potential modifications

The consultant shall also evaluate potential impact to rolling stock and platforms if the US Access Board accepts the Rail Vehicles Access Advisory Committee (RVAAC) recommendations, currently under public comment.

(Note: The regulations around ADA boarding for rail are currently under review and may change in the near future. Potentially everything would be brought in-line with current intercity rail standards. Platform-based lifts may not be allowed as a solution. Press release about proposed rulemaking and provision for public comment:

<https://www.access-board.gov/news/1984-board-initiates-update-of-accessibility-guidelines-for-rail-cars>)

Deliverables:

- a) Scoping presentation
- b) Analysis of options and implications
- c) Technical memorandum specifying assumptions for the project concept

Task 4D: Survey and Preliminary Engineering Analysis for Key Area #1: Downtown Durham

Obtain field survey and perform preliminary engineering analysis to evaluate viable design concepts for Downtown Durham.

Engineering and urban design challenges in downtown Durham have been identified as a key risk for the commuter rail project, both for cost and project viability. Additional work is necessary to define and quantify the risk and identify and define the Project Concept to be carried forward into Project Development. This task will include a limited scope of environmental screening focused on constraint mapping, and screening for historic resources and noise-sensitive receptors. The preliminary engineering analysis will include survey, track, private utilities, roadway, stormwater, structures, public utilities, traffic, and station architecture, and will include development of visualizations and renderings to support stakeholder/community engagement.

Stakeholder/community engagement will be paramount throughout the task. Four stakeholder meetings are assumed, with companion public online engagement.

Deliverables:

- a) Technical memorandum documenting concepts considered
- b) Discipline-specific analysis outputs
- c) Cost estimates
- d) Participation and facilitation of stakeholder/community engagement

Task 4E: Survey and Preliminary Engineering Analysis for Key Area #2: Downtown Cary

Obtain field survey and perform preliminary engineering analysis to evaluate viable design concepts for Downtown Cary.

Engineering challenges in downtown Cary have been identified as risks for the commuter rail project. Additional work is necessary to engage stakeholders and define and quantify these risks and to frame the Project Concept to be carried forward into Project Development. This task will include a limited scope of environmental screening focused on constraint mapping and screening for historic resources. The preliminary engineering analysis will include survey, track, private utilities, roadway, stormwater, structures, public utilities, traffic, and station

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architecture, and will include development of visualizations and renderings to support stakeholder/community engagement.

Stakeholder/community engagement will be paramount throughout the task. Six stakeholder meetings with Town of Cary are assumed.

Deliverables:

- a) Technical memorandum documenting concepts considered
- b) Discipline-specific analysis outputs
- c) Cost estimates
- d) Participation and facilitation of stakeholder/community engagement

Task 4F: Station Siting Alternatives Analysis

The purpose of this task is to inform and refine assumptions about station locations. The work in this task will be coordinated with Task 2 (stakeholder and public engagement), Task 3 (rail network modelling), Task 4F (assessment of land availability for park-and-rides), Task 5 (ridership) and Task 6A (TOD), as well as land use efforts by others outside of this scope such as 2050 MTP forecasts. Station locations ultimately included in the Project Concept must be approved by railroad owner and operators.

The consultant shall:

- 1) Compile a presentation describing current assumptions about station locations; relationship between stations, travel time, and ridership; and relationship between stations and other project costs and benefits.
- 2) Conduct up to 20 meetings to collect information about municipal preferences and data needs.
- 3) Maintain documentation to track the intersection of station location information across various tasks.
- 4) Develop station access concepts describing anticipated pedestrian access to each station platform from park-and-ride lots and origins/designations in the station areas.

Deliverables:

- a) Initial station location slide deck (draft and final)
- b) Station location fact sheets
- c) Station access concept drawings

Task 4G: Park-and-Ride Evaluation

In consultation with local governments, assess land availability for park-and-rides, and reach determination on whether sufficient park-and-ride spaces can be established to support adequate ridership.

Park-and-ride has been identified as a key access mode in initial travel demand modeling. Therefore, a viable, affordable parking strategy is a critical element of a successful project definition. Parking structures are expensive, and if required would have significant impacts on the budget for stations. In some contexts, parking structures may also have community and/or environmental impacts.

To validate/update the basis of estimate for parking, the consultant shall:

- 1) Develop size requirements based on ridership.
- 2) Conduct aerial reconnaissance

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- 3) Visit each potential station location
- 4) Obtain potential parcel information (from GIS databases, tax maps, etc.)
- 5) Coordinate with GoTriangle and local land use jurisdictions and institutional land owners as applicable
- 6) Coordinate with NCRR Real Estate regarding any required setbacks or license agreements located within NCRR corridor
- 7) Summary determination, including potential environmental impacts
- 8) Document all findings, in GIS database, with photographs

Deliverables:

- a) Park and Ride Tech Memo (Draft and Final)
- b) GIS database

Task 4H: Maintenance and Layover Facility Evaluation

In consultation with local governments, identify site(s) for maintenance and layover facilities and reach determination on whether sufficient available land exists for an affordable facility.

Maintenance and layover facilities are critical project elements, and due to the built-up nature of much of the corridor, it may be difficult and/or expensive to secure land suitable for maintenance and layover along the corridor. Initial efforts have identified four undeveloped single-parcel sites that are close to or exceed a desired 38-acre target size in Wake County, and none in Durham.

To inform the project definition and inform the cost estimate, the consultant shall:

- 1) Develop layover facility concepts consistent with rolling stock evaluation (Task 4C)
- 2) Perform additional corridor screening to identify whether there are additional opportunities for vacant or minimally-developed sites that could be assembled by combining multiple adjacent parcels.
- 3) Consult with owners and operators to confirm acceptability of potential facility sites
- 4) Develop yard and building layouts and preliminary cost estimates for up to four sites, and indicate how the selection of vehicles would affect these layouts and costs
- 5) Perform environmental screening, land use entitlements analysis, and Title VI equity analysis and document analysis and findings in a site selection report

Deliverables:

- a) Western Terminus Layover Facility Concepts – 2 Scenarios
- b) Environmental research
- c) Maintenance Facility Site Assessment Tech Memo (Draft and Final)

Task 4I: Implementation Schedule and Cost Estimates

Update project schedule and capital and operating cost estimates to reflect evolving project concept.

The current capital cost estimate for the baseline West Durham-Auburn 8-2-8-2 scenario is \$1.4B to \$1.8B YOE. A desired outcome of this phase of work is to develop and adopt a baseline budget for the Project Concept to be carried forward, including a detailed basis of estimate and credible project implementation schedule. The cost estimate shall be fully documented and traceable, and the total contingency required to set the budget at a P65

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level of confidence shall be validated using quantitative cost risk assessment in accordance with FTA beta model methodology.

The consultant shall:

- 1) Develop a preliminary project implementation schedule in P6 format
- 2) Establish the preliminary capital cost estimate in cost estimating software (HCSS). The cost estimate will be updated in conjunction with developments in the above tasks; e.g., revised assumptions about infrastructure, rolling stock, etc. The consultant shall develop a detailed basis of estimate describing the estimating methodology, assumptions, and allocation of contingency for each SCC.
- 3) Update operating cost estimates in conjunction with evolving assumptions about fleet, track miles, and other relevant parameters.

Deliverables:

- a) Project implementation schedule
- b) Capital cost estimate(s) with basis of unit costs and quantities, compliant with FTA format
- c) O&M cost estimate methodology and results tech memo

Task 5: Ridership Estimating

Continue to perform ridership modeling as the project definition is refined to mitigate risk of unforeseen drop in projected Project Justification ratings.

Ridership projections are a key element of the FTA Project Justification ratings, and are influenced by changes in project definition that affect travel time, station number and location, parking availability, and other factors. Ridership projections shall be refined in this phase to ensure an up-to-date basis for corridor characteristics, transit network assumptions, and project definition.

The consultant shall:

- 1) Incorporate into the STOPS model a future bus network developed by the Resource Partners and documented in a Transit Operating Plan in GTFS format.
- 2) Evaluate impacts of fare policy on STOPS model output and document in a Fare Evaluation technical memorandum. Include consideration of multiple price points, zone-based versus flat fare, and perceive zero fare (GoPass).
- 3) Develop and test STOPS model adjustments to improve estimates for the Clayton end of the corridor. This will address the biggest issue facing Clayton area trip estimates from the Incremental version of STOPS. Namely, that there is no transit service (or trips) to Clayton or Selma at the present time and, therefore, no base on which to base an incremental assessment of commuter rail ridership. This will be addressed by creating a pseudo-existing dataset that represents what would happen if an express bus did run today between Clayton and Raleigh and then adding those trips to the incremental base of the model. This will be done as follows:
 - i. Run STOPS synthetic with a scenario that includes a Clayton to Raleigh bus.
 - ii. Review ridership estimates from STOPS synthetic to confirm that the ridership is consistent with ridership generated from nearby areas with bus service today or in the past (e.g., Auburn). Confirm that the patterns are sensible (i.e., the majority of trips destined for Raleigh rather than Durham or RTP).
 - iii. Capture the transit trips generated in Johnston County from the synthetic model and use this data to replace the survey estimates of trips that are input to the incremental version of STOPS.

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- iv. Add the Selma-Clayton-Raleigh bus to the representation of existing transit services that is used in Incremental STOPS.
 - v. Update the calibration of Incremental STOPS to reflect the new input trip and transit service inputs.
 - vi. Test the revised model with up to five different options for the commuter rail line to confirm that the new trip patterns are more sensible than the original results.
 - vii. Revise the approach as needed to eliminate unrealistic trip patterns.
- 4) Update the model if required to reflect new MPO or survey datasets, including updated land use assumptions (e.g., place types, development intensity, and growth assignment to those locations) being developed by others for the 2050 Metropolitan Transportation Plan
 - 5) Generate ridership estimates for updated project concepts (reflecting the work in Tasks 2 and 3).
 - 6) Attend four meetings with a Commuter Rail Ridership Working Group staffed by the Resource Partners.

Deliverables:

- a) Fare Evaluation Technical Memorandum
- b) Travel Demand Forecasting Methodology Memorandum
- c) Project Specific Inputs Memorandum
- d) Travel Demand Forecasting Results Report

Task 6: Project Evaluation

At the conclusion of this phase of work, funding partners will be asked to decide whether to allocate significant local resources to implement this commuter rail project. To support this decision-making in the context of other potential uses of dedicated local transit revenues, the consultant, GoTriangle, and several Resource Partners, will evaluate a range of metrics to assess potential benefits and impacts of the project. Work to be performed by parties other than the consultant includes an evaluation of transit accessibility reach by GoTriangle (using Remix and/or similar tools), travel market evaluation by TJCOG (using LEHD/LODES), corridor and station area growth factors by TJCOG (using CommunityViz), affordable housing assessments by TJCOG (using CoStar and LBAR databases), corridor trip data evaluation by the MPOs (using Streetlight), and mobility and safety metrics by the MPOs such as those calculated for MPO MTPs (safety, reliability, VMT impacts, etc.). An initial identification of project metrics for consultant evaluation is included in this section, with others to be identified through community and stakeholder engagement described in Tasks 2 and 4. Where practical, metrics shall be assessed for both the general/total population, and separately assessed for disproportionate benefits and/or burdens to people of color and low-income residents.

Task 6A: Real Estate Market Analysis and Projection and Regional Economic Impact Analysis

The consultant will first provide a detailed real estate market analysis focused how the implementation of commuter rail is likely to influence development dynamics in the Triangle Region and Commuter Rail Project corridor. Following the completion of the market analysis task and establishment of development projections by corridor sub-market, the consultant will simulate the broader regional economic impacts of the commuter rail project.

- 1) Project Kick-Off and Confirmation of Regional Forecast
 - i. Meet with resource partners to discuss and confirm the methodology, timeline, and deliverables for the project.

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- ii. Confirm the appropriate sociodemographic model to underpin future forecasts developed as part of the real estate market analysis.

2) Corridor Real Estate Market Analysis

- i. Conduct a detailed market assessment of the commuter rail corridor, to be defined in coordination with project stakeholders. Market analysis will include a focus on residential, office, retail, hotel, and institutional development patterns divided into a series of sub-markets based upon similarities and differences in market conditions in distinct parts of the corridor.
- ii. Conduct two workshops with municipal planners and design professionals from Downtown Durham Inc., Downtown Raleigh Alliance, the Urban Land Institute, and other organizations to gather feedback from local stakeholders which will inform the quantitative analysis.
- iii. Produce forward-looking projections for each use under study (residential, office, retail, hotel, and institutional) in each sub-market, based upon the future share of regional growth each sub-market is likely to capture. Present for review and comment before finalizing.

3) Regional Economic Impact Analysis: Use the REMI Policy Insight model to simulate the economic impacts of the commuter rail project. Inputs will include information derived from other tasks such as ridership and travel time savings for commuters. Categories of economic impacts to be analyzed:

- i. Project construction and increased transit operations: Infrastructure spending will create construction jobs, while ongoing transit operations will support permanent jobs for transit agency staff.
- ii. Resident and employee time savings and enhanced regional quality of life: Commuter time savings both improve productivity for industries and enhance the lives of residents by maximizing leisure time. These factors mitigate against increasing traffic congestion, improving the region's business climate and quality of life.
- iii. Corridor TOD impacts and enhanced regional productivity owing to agglomeration economies: Transit-oriented development enhances station areas as vibrant central districts that are especially appealing places to live, work, and recreate and have the opportunity to include workforce housing. Develop estimates of additional increases in regional labor productivity owing to the projected transit-oriented development patterns established in Phase 1.

To complement the overall regional analysis, include cases studies that illustrate the economic impact to specific geographies and industries. These case studies will be especially valuable in highlighting the distributional impacts of the Commuter Rail Project. One case study, could focus, for instance, on the value of the project for transit-dependent workers who live near the potential Alston Ave. Station Area in Durham, as the project would open up substantially more employment opportunities in the vicinity of NC State University and Downtown Raleigh via a one-seat transit ride. Another case study could focus on the employment opportunities opened up by the commuter rail and in combination with the implementation of Bus Rapid Transit (BRT) in Raleigh, by linking neighborhoods in South and East Raleigh to job opportunities in Research Triangle Park through robust transit infrastructure.

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Deliverables:

- a) Real Estate Market Analysis Infographics and Technical Memorandum: Findings will be presented in a series of infographics, providing an overall summary for the corridor as well as an infographic for each sub-market. The findings will include:
 - The quantity of development that can be delivered and absorbed in each station area over a 5-year, 10-year, 15-year, 20-year, 25-year, and 30-year period; and
 - The market potential (delivery and absorption) of specific types of uses in each sub-market, including residential, office, retail, and hotel.

A technical memorandum will also be provided to describe the market analysis methodology that will provide a framework for the analysis to be replicated in the future at regular intervals (i.e. every 1-2 years).

- b) Economic Impact Analysis Briefing Book: A compelling, graphically-oriented briefing book describing the economic impacts of the commuter rail project on the Triangle's economy, supported by a technical appendix that details the methodology. Economic impacts will be measured in terms of new jobs (overall, as well as by sector), new personal income, and new Gross Regional Product generated in the Triangle. Impacts will be measured over a future period and could be reported in (1) aggregate over the period of analysis (e.g. 2030-2050); (2) in 5-year increments; and (3) in an "average" year. The analysis will contrast the "build" scenario for the commuter rail project with an alternative "no build" scenario in order to quantify the incremental impacts of the project.

Task 6B: Noise and Vibration Review

Early public input on the project has raised questions and concerns about the increased railroad corridor noise and vibration resulting from proposed increases in daytime train service in the corridor, in particular in low-income and minority neighborhoods. Without performing field noise and vibration measurements and modeling, this task will evaluate the potential for noise and vibration impacts in the corridor.

- 1) The consultant shall:
- 2) Perform and document a high-level qualitative scan of the project corridor, concentrating on potential areas of interest with respect to noise and vibration. The metrics utilized for the scan would take into account the volume of daily train trips and their proposed schedules; the types and density of local land uses and specific sensitive receptors, the distances from the proposed corridor to these receptors and, for noise in particular, the prevalence of at-grade rail crossings where horn blowing would be required.
- 3) Prepare a presentation suitable for a non-technical audience that adds context to the qualitative scan in context by explaining:
 - i. What activities typically generate noise and vibration; which types of land uses are the most sensitive to them, and why
 - ii. Why and when rail noise and vibration studies are required, including any federal, state and local regulatory requirements.
 - iii. How noise and vibration assessments would be conducted in a future phase should the project move forward to implementation, including the use of appropriate assessment criteria, collecting existing noise and vibration conditions, conducting screening analyses, and the need for general or detailed assessments.

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- 4) Examples of how noise and vibration impacts are mitigated, including the use and process for quiet zones, including case study examples of where they are in place and case study examples of urban areas similar train frequencies where mitigation measures have not been deployed.

Deliverables:

- a) Technical memorandum (draft and final)
- b) Companion presentation

Task 6C: Community Characteristic Assessment

The purpose of this assessment is to identify the potential impacts of the GTCR on the social environment of the local neighborhoods along the corridor. Impacts may include (but not limited to):

- The creation of physical and psychological barriers
- Changes in land use patterns, circulation patterns, accesses to services
- Changes in population densities and the effects on neighborhood cohesion
- Economic impacts to neighborhoods due to direct/indirect taxation changes, which may cause displacements of businesses and residents
- Safety and security issues, such as potential pedestrian and traffic hazards or employee security issues
- Visual impacts to historic sites or involving construction of buildings that may not be compatible with the character of the area

This assessment will be informed by input gathered in Task 2.

The consultant shall:

- 1) Identify a Direct Community Impact Area based on neighborhood boundaries.
- 2) Perform a demographic data assessment based on Census Block Group level to identify the minority and limited-English proficiency populations within the neighborhoods bordering the corridor.

Deliverable:

- a) GIS-based neighborhood map for the corridor, with neighborhood matrices of potential impacts (rated high/medium/low) using infographics

Task 7: Agreements and Long-Term Management Plan

Task 7A: Prepare Approvals Work Plan

Developing an early accounting of the third-party approvals required for project implementation is a critical component of risk-informed project development.

The consultant shall:

- 1) Prepare a detailed list of approvals (“Approvals Work Plan” or “AWP”) that will be needed for the delivery of the GTCR Project. These approvals will likely take the form of agreements, other contracts, permits, real estate instruments, resolutions, and any other document in which a third party grants some form of necessary approval, permission, consent, or support to the Project Sponsor. The AWP will also identify any necessary or advisable precursor or non-binding documents that should precede a formal approval, such as a

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memorandum of understanding or a term sheet. Using its best judgment, the Consultant will identify those approvals that the FTA is likely to consider “critical” within the meaning of the New Starts program. The AWP shall be maintained in a format that provides the level of detail described below, and can be easily summarized for use in supporting coordination with Resource Partners.

- 2) The AWP will encompass all types of organizations and key officials – both public and private – with which the Project Sponsor must engage to secure the approvals, and will span all phases of implementation from the onset of CIG Project Development through the initiation of Revenue Service. Accordingly, the AWP will include all approvals necessary for the planning, engineering, financing, permitting, construction, testing, and operation and maintenance of the Project.
- 3) Organize the AWP in a detailed, coherent, and user-friendly Excel format. The AWP will include, at a minimum, information related to: the nature of the approval (e.g., legal, real estate, regulatory, land use, finance, etc.); a statement regarding the general purpose of the approval (including whether it is required for the project regardless of Project Concept or if it is specific to one or more alternatives carried forward for consideration); the parties involved; a brief description of the third party’s approval process; and an estimated timeline for negotiation and execution of the document. The data in the AWP will be well-organized and capable of being segregated chronologically and by other categories. The AWP will be used to inform the development of other Project-related schedules and work plans. Accordingly, the AWP must be both comprehensive and accurate.
- 4) Consult regularly with GoTriangle during preparation of the AWP to ensure a high-quality result.

Deliverable:

- a) Approvals Work Plan (Draft and Final)

Task 7B: Support Railroad Coordination

Assist GoTriangle in the preparation of material related to determining the necessary requirements of the railroad owners and operators.

To develop a credible cost estimate, schedule, and project implementation approach, it is critical to obtain buy-in for the Project Concept and agree on the design criteria and requirements including capacity, infrastructure, operating, and legal and financial requirements (such as fees, indemnification, and insurance) to the mutual satisfaction of GoTriangle and the railroad owners and operators.

The consultant shall:

- 1) Assist GoTriangle in the preparation of term sheets, outlines, templates, and other early agreement material related to securing the cooperation of the railroad owners and operators in the NCR corridor.
- 2) Provide advice and assistance as GoTriangle works to ascertain and document the scope of the necessary railroad agreements and begins to formulate its negotiating positions. Consult with GoTriangle, as needed, to facilitate the development of GoTriangle’s early “legal work product” related to the railroads. This may involve evaluating and proposing strategies for legal negotiation in order to ensure that GoTriangle’s negotiating positions are technically and fiscally sound, within industry norms, and also compliant with FTA and FRA requirements. The consultant will review and provide comment on draft material, as needed by GoTriangle. The consultant’s services will be limited to professional transportation consulting and will not constitute legal advice.

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Task 7C: Facilitate Commitment of Non-CIG Funding

The project team desires to obtain commitment of 100% of non-CIG funds to codify local funding partner commitment and mitigate a range of project risks, in particular risks that are exacerbated by uncertainty of project viability.

The consultant shall support cost-sharing negotiation with local governments by developing and quantifying alternative bases for allocating cost (e.g., ridership, track miles, stations, etc.).

Task 7D: Support Development of Long-Term Project Management Plan

Prior to entering New Starts Project Development, it is important to build adequate management capacity and capability to advance the project. This will be documented in a project management plan with well-developed sponsor management capacity and capability documents and project delivery and procurement plan, consistent with FTA CIG program requirements.

The consultant shall:

- 1) Inform project management strategy by providing research, peer comparison, industry best practices, etc. with respect to design, construction, and operations.
- 2) Conduct 1-2 workshops with stakeholders and outside experts around these topics.
- 3) Assist GoTriangle with developing agency staffing plans and scope of work for Project Development Consultant

Task 7E: Update Risk Register

The consultant shall continue to support the project management team in risk identification, risk assessment, contingency management, and risk response.

The consultant shall:

- 1) Refine and update the risk register informed by the work in Tasks 1-4 (e.g., public and stakeholder comments, physical challenges, service issues, ridership risk, etc.).
- 2) Develop and conduct periodic risk presentations/meetings.

Deliverables:

- a) Baseline risk register
- b) Quarterly updates to risk register



Connecting all points of the Triangle

MEMORANDUM

TO: GoTriangle Board of Trustees
FROM: Capital Development
DATE: April 15, 2020
SUBJECT: Authorization for Interlocal Agreement with Triangle J Council of Governments for Land Use and Economic Development Analysis for the Greater Triangle Commuter Rail

Strategic Objective or Initiative Supported

1.2 Pursue service improvements and expansion opportunities

Action Requested

Staff requests that the O&F committee recommend that the Board authorize the President & CEO to execute an interlocal agreement with Triangle J Council of Governments (TJCOG) for land use and economic development analysis for the Greater Triangle Commuter Rail in amount not to exceed \$170,000.

Background and Purpose

At its March 2020 meeting, the GoTriangle Board authorized the Board Chair and President and CEO to execute the Memorandum of Understanding (MOU) in Support of Continued Development of the Greater Triangle Commuter Rail (GTCR) Project. This MOU identifies GoTriangle as the project sponsor and lead entity responsible for a range of tasks identified for further study and evaluation prior to a decision by the funding partners on whether or not to advance the project into implementation and apply for entry into the Federal Transit Administration Capital Investment Grants Program.

One of the tasks is to provide a basis for evaluation of non-monetary costs and benefits of the proposed project by defining and evaluating project metrics. Staff proposes a portion of this work to be performed by TJCOG, a regional agency with which GoTriangle commonly contracts for land use and travel market data analysis. TJCOG maintains data and land use projection tools that underlie the analysis performed by the Metropolitan Planning Organizations in their development of the region's Metropolitan Transportation Plans, as well as the regional affordable housing database, and is well-suited to perform this work efficiently and at a lower cost than would be available by contracting with a private firm.



Financial Impact

The cost of this study is within the FY20 Wake and Durham transit plan budgets for commuter rail. At its March 2020 meeting, the GoTriangle Board approved FY20 work plan budget amendments for Wake and Durham resulting in total project allocations of \$6,000,000 and \$2,700,000, respectively. Johnston County has also committed \$250,000. This equates to a total of \$8,950,000 available for this study from the three counties, of which \$170,000 is proposed to be allocated to this agreement, \$7,000,000 is recommended to be allocated to GoTriangle Contract #19-001 and an additional \$500,000 is recommended to be reserved for a future contract with Norfolk Southern for rail network modeling.

Attachments

- Scope of Additional Services

Staff Contact(s)

- Katharine Eggleston, 919-485-7564, keggleston@gotriangle.org



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Exhibit A

Scope of Services

This scope of services is a component of tasks described in the Memorandum of Understanding in Support of Continued Development of the Greater Triangle Commuter Rail Project [GTCR MOU]. Specifically, the GTCR MOU commits to provide a basis for evaluation of non-monetary costs and benefits of the proposed project by defining and evaluating project metrics informed by community engagement. This scope of services to be performed by TJCOG is a companion to related tasks to be performed by GoTriangle's GTCR Study consultant.

TJCOG will assist GoTriangle in synthesizing work product related to non-monetary costs and benefits developed under both contracts into a coherent narrative, and will participate in and support community engagement efforts for these tasks.

Task A: Corridor Travel Market Analysis

TJCOG will assess corridor travel market data to quantitatively define population, employment and travel patterns linking the two that could be served by the proposed commuter rail. Analysis will use published data sources including LEHD/LODES, Streetlight (with MPO assistance), Census ACS, ITRE TRM. To the extent practicable based on the underlying data sources, output will be stratified by race, income, household auto ownership, and other factors.

Deliverables:

- Corridor travel market analysis report, draft and final
- Summary presentation

Task B: Station Area Land Use and Joint Development Potential Analysis

TJCOG will facilitate coordination with technical resource partners to use Community Viz and local land use data and assumptions specific to commuter rail build scenario(s). TJCOG will also assist GoTriangle with management of consultant engaged in evaluating station area land use and joint development potential. TJCOG will orient the consultant to Community Viz data and prior similar work performed in the region, participate in meetings, and review deliverables.

Deliverables:

- Community Viz-based scenarios and data refresh
- Corridor land use analysis report draft and final
- Meeting participation
- Review of consultant deliverables for GoTriangle-managed GTCR Study

Task C: Affordable Housing Opportunity Analysis

TJCOG will assess housing affordability in the corridor and potential station areas to quantitatively define existing and planned affordable housing inventory (legally binding affordability restricted units

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and market-rate affordable units) and identify opportunities for maintaining and building inventory over time.

Deliverables:

- Affordable housing opportunity analysis report, draft and final
- Summary presentation

Task D: Access to Opportunities Analysis

TJCOG will synthesize information from previous activities and supplement it with transit and pedestrian/bicycle network data from the Project Concept to describe and illustrate population, employment, access, mobility and reliability differences between build (Project Concept) and no-build scenarios. The analysis will focus on representative travelers and trip types, environmental justice neighborhoods and anchor institution and city center locations as determined by the resource partners.

Deliverables:

- Access to opportunities analysis report, draft and final
- Summary presentation



Connecting all points of the Triangle

MEMORANDUM

TO: GoTriangle Board of Trustees
FROM: Capital Development
DATE: April 8, 2020
SUBJECT: Authorization to Contract for Design of 23 Wake County Bus Stops

Strategic Objective or Initiative Supported

2.4 Ensure an attractive and accessible transit environment

Action Requested

Staff requests that the Board of Trustees authorize the President & CEO to execute a task order for bus stop design services under GoTriangle Contract #18-041F, Master Agreement between Ramey Kemp and Associates and GoTriangle for On-Call Architectural and Engineering Consultant Services for an amount not to exceed \$214,032.

Background and Purpose

The Wake County Transit Plan includes a significant pipeline of funds for improvements to existing and new GoTriangle throughout the county. Bus stop amenities could include the installation of concrete pads for safer and more comfortable boarding/alighting of buses, benches, bike racks, access ramps, sidewalks, and other associated amenities. Accordingly, GoTriangle has coordinated with the Town of Morrisville, Town of Cary, City of Raleigh, Town of Apex, NCDOT, and NCSU to prioritize a group of bus 23 stops for design in FY20. This Task Order would allow design to proceed on these bus stops, to prepare for construction in FY21.

Financial Impact

This expenditure is within budget. The FY20 workplan for the Wake County Transit Plan includes \$1,169,000 for existing and new bus stops, intended to fund design, real estate, amenities, and construction. In addition, GoTriangle will draw down \$144,640 in prior year federal funds awarded by CAMPO to GoTriangle through the Locally Administered Projects Program (LAPP) for bus stop improvements to offset the local Wake transit funding.

Attachments

- None



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Staff Contacts

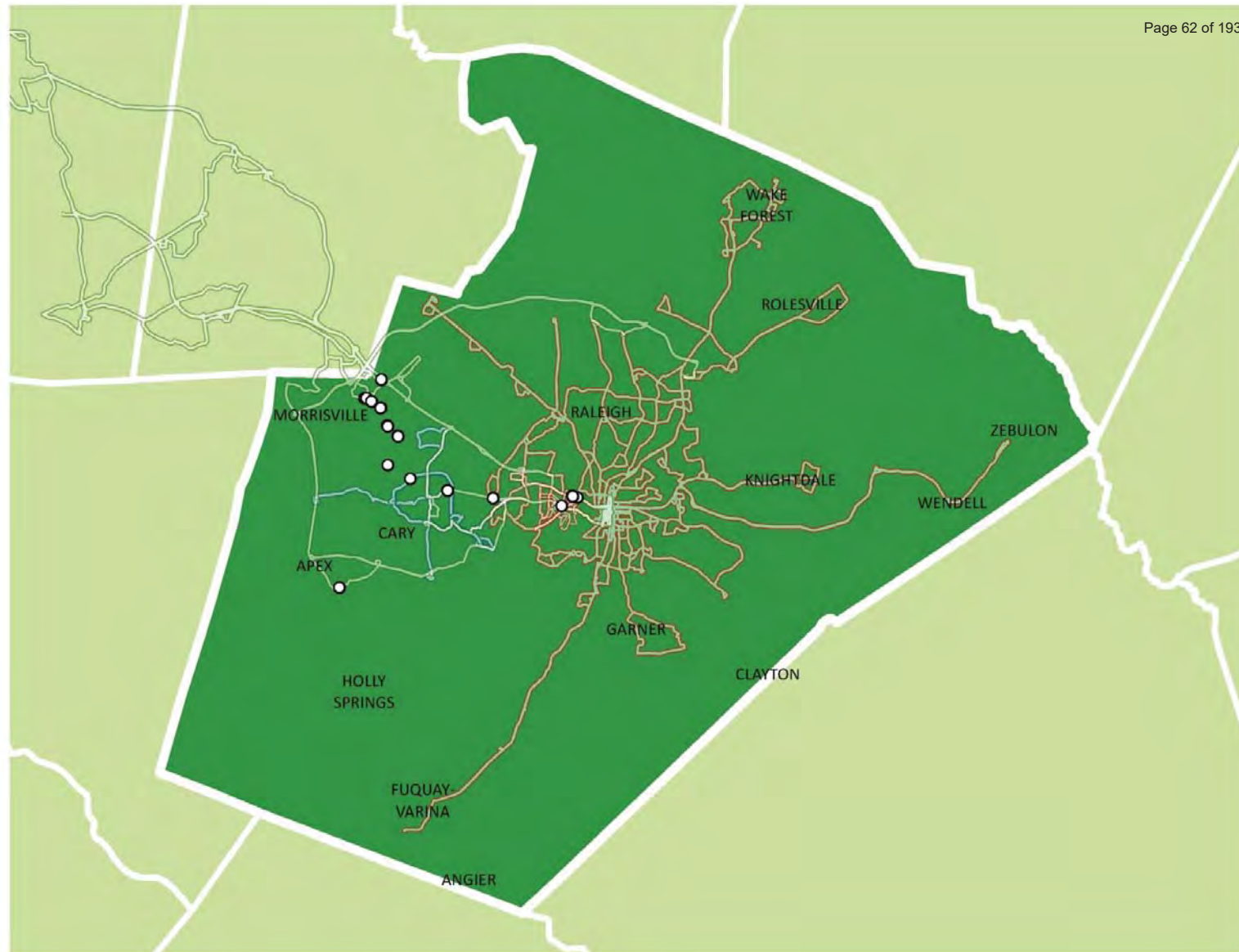
- Katharine Eggleston, (919) 485-7564, keggleston@gotriangle.org
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FY20 GoTriangle Bus Stop Improvements (Wake County)





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MEMORANDUM

TO: GoTriangle Board of Trustees
FROM: Shelley Blake Curran, Interim President & CEO
DATE: April 13, 2020
SUBJECT: Predevelopment Addendum to Memorandum of Understanding (RUSBus)

Strategic Objective or Initiative Supported

Action Requested

Staff requests that the Board of Trustees authorize a predevelopment addendum to the Memorandum of Understanding between Hoffman & Associates (developer) and GoTriangle for an amount not to exceed \$_____.

Background and Purpose

Hoffman & Associates is the preferred developer for the RUSBus project. GoTriangle has entered into a Memorandum of Understanding with Hoffman to begin preliminary work in advance of the development agreements being negotiated and finalized. Hoffman & Associates will complete the 30% design on the transit facility portion of the joint development project. In order for the transit facility to be substantially completed by January 31, 2025, it is necessary for them to start on this initial design as soon as possible.

Financial Impact

Up to \$_____ This amount has previously been budgeted for this project.

Attachments

- None

Staff Contact

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FY21 DURHAM TRANSIT WORK PLAN



OVERVIEW

The Triangle Tax District, administered by GoTriangle, manages the funds received for the transit tax districts in Durham, Orange, and Wake counties. Each county's transit tax revenue's are governed by a separate plan. The Durham County Transit Plan (Transit Plan) was adopted by the Durham County Board of Commissioners, the GoTriangle Board of Trustees, and the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) in 2017, and was the second installment of a transit plan for Durham County (replacing the Durham Bus and Rail Investment Plan adopted in 2011). Annually, a fiscal year Work Plan is developed to allocate funding for projects identified in the Transit Plan. Per an interlocal agreement adopted by these governing boards in 2013, a staff oversight group, called the Staff Working Group (SWG), reviews projects to be funded through transit tax and recommends that set of projects and funding amounts to the GoTriangle Board of Trustees for approval as part of its annual budget. The list of projects and funding amounts is presented here as the FY21 Draft Durham Work Plan.

The FY21 Draft Durham Work Plan will be released for a public comment period on April 17, 2020. The public comment period will end on May 22, 2020. All comments can be made to Aaron Cain of the DCHC MPO aaron.cain@durhamnc.gov or (919) 560-4366 x36443. During the public comment period a formal opportunity will be made for comment to the DCHC MPO Board and the Durham County Board of Commissioners. The GoTriangle Board of Trustees will formally adopt the FY21 Work Plan as part of their FY21 budget process.

Tax District Funds are generated from a ½ cent sales tax, two vehicle registration fees (\$7 and \$3, respectively), and a vehicle rental fee. The Tax District has collected revenues since 2013, and has allocated funding since 2014. The services and capital investments funded by the Tax District Fund include:

- Providing greater frequency and more hours on many bus routes;

- Creating new routes to serve growth;
- Making improvements to transit infrastructure such as bus stops, park-and-ride lots, and bicycle and pedestrian infrastructure to improve access to transit; and
- Planning for major transit infrastructure, such as Bus Rapid Transit (BRT) or Commuter Rail Transit (CRT).

Transit Plan funds also support the long-term health of the region's transit systems, providing money to replace an aging fleet. These investments make it easier for residents to move around Durham and the region, support equitable access to jobs and services, and connect our universities, neighborhoods, and employment centers. The investments are modern – they incorporate standards for ADA access and Complete Streets, and with Wifi capacity, our buses bring information access to the systems riders.

In FY21, the Durham Transit Tax expects to receive, from all four funding sources combined, approximately \$33.5M. This amount is a downward projection from the originally forecast \$36.5M due to the current public health crisis. Based on a principle of not drawing down from the Durham transit tax reserve in FY21 (the reserve cash and investment as of FY20Q2 stands at approximately \$42M, of which \$13M is committed to FY20 programmed funding), transit agencies that operate in Durham have requested just over 31.6M in projects.

The Durham Work Plan is divided into two categories: operations and capital. In FY21, slightly less than one-third (31 percent), approximately \$9.8M, of the funding is dedicated to operations. This will provide continuation of route improvements for both increased frequency and length of service. GoDurham routes 1, 2, 4, and 8 will see an expansion of service in FY21, as well as full year funding for improvements to routes 5, 10, 12, and 20 that were implemented in January 2020. In addition, Furthermore, fare collection improvements will be installed for transit agencies across the Triangle, including GoDurham and GoTriangle, as a regional procurement contract. The fiscal impacts

for the Youth GoPass will be realized across all the regional transit providers that operate a fare service.

Capital improvements in FY21 will focus on developing the Transit Emphasis Corridors (TECs) originally envisioned in the 2017 Transit Plan. TECs are roads that have high transit usage, and the infrastructure improvements to be constructed will enhance the user experience for bus riders as well as provide better access for pedestrians along these corridors. Funding is being made available for the design and engineering work for the Holloway Street and Chapel Hill Road TECs. With design work funded in FY20, funding is available for construction for the Fayetteville Street TEC in FY21. In addition, funding for major improvements at The Village, the second highest bus ridership location in Durham, is included. There is also funding provided for vehicle acquisition, bus stop improvements, and planning for future facilities. Further information on each of these improvements follows.

REVENUES

The Triangle Tax District administers funds from four different sources:

- ½ cent sales tax
- \$7 vehicle registration fee
- \$3 vehicle registration fee
- Vehicle rental tax

These revenues are used to support the transit activities of the Durham Transit Plan and subsequent Work Plans. A summary of expected revenues is shown in Table 1.

Table 1: Expected Triangle Tax District Revenues for Durham in FY21 by Funding Source

Source	Amount
½ Cent Sales Tax	\$29,760,000
Vehicle Rental Fee	1,429,100
\$7 Car Registration Fee	16,300,000
\$3 Car Registration Fee	699,000
TOTAL	33,518,100

An unfortunate but important reality to note for the FY21 Durham Transit Work Plan is its response to uncertainty regarding revenue collections during the Coronavirus Disease 2019 (COVID-19) health crises, which started in March of 2020. With social distancing and ‘stay-at-home’ measures to control the spread of COVID-19 imposed on residents statewide, the Durham Transit Plan implementation partners are aware that economic activity in the county has slowed immediately and in dramatic fashion. The public transportation sales and use tax collections authorized under Article 43 of the North Carolina General Statutes comprise the greatest share of assumed revenues to fund investments reflected in the Durham Transit Plan. While it is known that sales tax collections to support transit investments have likely decreased during this time, uncertainty remains around how much and how long of a decline it will be, as well as the extent of its long-term economic impacts for assumed future-year collections.

The FY21 Durham Transit Work Plan reflects an amendment of new projects or areas of investment. The projects identified are those that are deemed time sensitive ongoing efforts or involve time-sensitive external grant sources as part of their overall funding mechanism. DCHC MPO, GoTriangle and Durham County will monitor the actual data for sales tax collections for the period between March and July and analyze the opportunity to minimize the draw-down of un-allocated reserves in FY 2021. It is anticipated that this data will be available in the second quarter of FY21 (October – December 2020).

Carryover funds from previous years (fiscal years 2018-2020) are not included as part of this Work Plan. Carryover funds are assumed to be part of a project’s funding for the life of the project and are therefore committed to the project when approved as part of a previous Work Plan budget, unless actively removed through an action of the governing board(s). For the sake of comparison, the FY20 adopted budget amounts for each project are shown on the project summary sheet (see appendix).

EXPENDITURES

In FY21, about one-third of expenditures will be spent on operating projects, while the other two-thirds will be spent on capital projects. While projected revenues from the four funding sources are expected to total approximately \$33.5M, projects are budgeted at \$31.6M, leaving \$1.9M for contingency, additional needs that arise during the year, a cushion in case of lower than expected revenues, and savings for future major capital projects. Expenditures by agency in FY21 are shown in Table 2.

Table 2: FY21 Expenditures by Agency*
(operating and capital)

Agency	Amount
DCHC MPO	\$56,750
GoTriangle	\$13,352,600
Durham County/ACCESS	\$391,400
City of Durham/GoDurham	\$17,800,850
TOTAL	\$31,601,600

* This table does not include funds that were budgeted but not expended in prior years, known as carryover balances. Table 3 summarizes total funding spent by type of activity. This is a combination of operating and capital expenditures.

Table 3: FY21 Expenditures by Type of Activity*

Activity	Amount	Percentage
Tax District Administration	\$405,700	1%
Transit Plan Administration	\$1,826,450	6%
Transit Operations	\$7,551,200	24%
Transit Infrastructure	\$15,363,750	49%
Vehicle Acquisition	\$4,667,000	15%
Capital Planning	\$1,787,500	6%
TOTAL	\$31,601,600	100%

* This table does not include funds that were budgeted but not expended in prior years, known as carryover balances.

OPERATING

Per state law, funds from the Triangle Transit Tax cannot be used to supplant funds to existing operations or capital projects from before the time the transit tax was instituted. Therefore, all operations projects are new services or expansions of previously existing services. The descriptions below are only for new operations services or funding for FY21.

ROUTE IMPROVEMENTS

GoDurham will expand service on the following routes in FY21:

- Route 1 – Provide 30-minute service on nights and Sundays
- Route 2 – Provide 30-minute service on nights and Sundays
- Route 4 - Provide 30-minute service on nights and Sundays
- Route 8 – Provide 30-minute service on Saturdays

Full-year funding is provided for improvements on routes 5 and 10 that began in FY20.

These improvements will allow for easier transfers for all of these routes, and will provide a better and more reliable service for riders. These routes are shown on the map on page 7.

FARE COLLECTIONS

Two major changes to fare collections are addressed in FY21. First, all bus systems throughout the Triangle are being updated to allow for mobile fare ticketing. This will allow passengers to pay fares and obtain passes on their smartphone, allowing for easier access for many riders and faster boardings allowing buses to run their routes faster. The amounts budgeted in the FY21 Durham Work Plan funds this for GoDurham, GoDurham ACCESS, and Durham County's portion of GoTriangle services.

The Youth GoPass was first offered in 2018, and allows youth between the ages of 13 and 18 to ride GoDurham and GoTriangle buses for free. While this is a valuable service, the loss of fare revenues for the transit agencies has not been realized in the budget. Since this is a new service begun since 2013, it is eligible for reimbursement from the transit tax. The amounts shown in the Work Plan are to address the decrease in fare revenue from implementation of the Youth GoPass.

ADMINISTRATION

While the overall amount for administrative costs at GoTriangle and DCHC MPO are not changing significantly, the number of line items has increased to provide more transparency for what these administrative costs are being spent on. Tax district administration remains housed at GoTriangle, while SWG administration remains part of the DCHC MPO, with those administrative costs split equally between Durham and Orange counties.

CAPITAL

Just over two-thirds of the budget in the FY21 Work Plan is dedicated to capital projects. The bulk of FY21 new spending is for Transit Emphasis Corridors (TECs) and bus stop improvements.

TRANSIT EMPHASIS CORRIDORS

Durham has identified three TECs as part of the Transit Plan: Holloway Street, Fayetteville Street, and Chapel Hill Road. These TECs are identified on the map on page 8. TECs are improvements to the physical infrastructure allowing pedestrians to better access bus stops (such as sidewalks, crosswalks, signage, etc.), as well as improvements to the stops themselves (shelters, pads, lighting, etc.).

While initial funding for design has been previously approved for all three TECs, design and engineering is fully funded for Holloway Street and Chapel Hill Road in FY21. The first \$2M of construction funding for Fayetteville Street is also included in the FY21 Work Plan. In addition, the scope of the Fayetteville Street

TEC is expanded to reach from Lakewood Avenue to Riddle Road.

BUS STOP IMPROVEMENTS

Bus stops have been a major impetus of transit capital improvements since the discontinuation of light rail. Nearly \$1.8M was budgeted in FY20 for improvements to stops for GoDurham and GoTriangle. GoDurham will continue its ramp up of bus stop improvements, in which 50 were designed and ten constructed in FY20. At least an additional 50 stops will be designed in FY21, with construction funding available for construction of the remaining 40 that were designed the previous year.

In addition to the regular stop improvements, \$100,000 is budgeted for Tactical Transit Amenities, which are quick installations of bus stop amenities, such as benches, for locations that do not warrant a full-scale improvements that necessitates a formal design.

In addition to the GoDurham improvements, GoTriangle plans to use \$1M to design and construct improvements to its bus stops that serve a high volume of passengers located on high-speed NCDOT roadways. Improvements could include, but are not limited to, construction of bus stop ADA pads, shelters, benches, bus pullouts and appropriate tapers, sidewalk, curb and gutter, curb ramps, crosswalks, pedestrian median refuge islands, appropriate safety signage, pedestrian signal heads and complimentary traffic signal modifications, and other complimentary or supporting roadway modifications.

BUS STOP ACCESS IMPROVEMENTS

In FY20, \$125,000 was budgeted for design of bus stop access improvements in locations where there is not the need or ability to provide a full TEC. There are places where there is just a sidewalk gap, lack of ADA accessibility, or other smaller scale improvement that can be constructed to help local residents access their nearest bus stop. In FY21, \$1.125M has been budgeted to construct those improvements.

VILLAGE TRANSIT CENTER

An additional \$268,000 is provided in the FY21 Work Plan to complete improvements around the Village Transit Center in East Durham. The Village is the second-highest GoDurham ridership location, only behind Durham Station downtown. This project will install sidewalks that will tie in to the sidewalks being constructed on Raynor Street, with additional transit amenities such as shelters and benches. Improvements will be made along Raynor Street on both sides of Miami Boulevard.

BUS SPEED AND RELIABILITY

The most popular criticism of current bus service in Durham is the reliability of buses to be on time. This funding will be used to construct improvements to the roadway in locations where buses experience delays, slow travel speeds, safety concerns, conflicts with other vehicles or infrastructure. These improvements can include installation of signage, pavement markings, flexible delineator posts, or equipment needed for vehicles, traffic signals, curb changes, or other infrastructure to enable improved bus performance. Efforts will be coordinated with other projects such as transit emphasis corridor planning, roadway resurfacing, transit center improvements, access to transit for pedestrians and other users, and other vehicle and roadway projects.

VEHICLE ACQUISITION

In anticipation of the update to the Durham County Transit Plan, additional expansion vehicles will be needed to provide new peak service. Purchase of electric buses is now GoDurham's preferred option because the City of Durham adopted a resolution endorsing the development of a fundable action plan toward a road map to carbon neutrality in City operations by 2040. The vehicles will be deployed to new service to address crowded trips on the GoDurham system that reduce comfort, speed, and reliability of the system.

Ordering in FY21 will ensure vehicles are delivered and additional charging infrastructure is in place upon implementation of expanded service.

GoTriangle implemented a level buying bus acquisition strategy that will replace 1/12th of the fleet per year. The strategy includes approximately 10 vehicle repowers annually with an ultimate goal of having a fleet average age of 6 years. Based on current knowledge of the GoTriangle fleet size starting in FY21, there is an urgent need to replace expansion service provided in Durham since 2013. The addition of routes have added to the wear and tear of the current fleet at a very accelerated rate. This project will allow GoTriangle to maintain the current fleet size with meeting the goal of reliable transportation for the residents within the County.

GoDURHAM CAD/AVL

This project will cover the one-time cost associated with the purchase and installation of Computer-Aided Dispatch/Automated Vehicle Location (CAD/AVL) technology for GoDurham buses. This project aligns with the recommendations of the Regional Technology Plan, which was developed by the regional partners to ensure that they would optimize future technology investments. This project will:

- Integrate daily operations to efficiently schedule work;
- Automate management of vehicles to effectively coordinate preventative maintenance and repair work;
- Provide continuous real-time data output for direct input into public-facing real-time passenger information systems (including Google Maps);
- Integrate real-time passenger information signs at Durham Station and 13 high-boarding locations;
- Allow real-time communication to riders about detours and system alerts;

- Supply real-time vehicle performance data to identify issues before they occur; and
- Create and manage automated ADA-compliant announcements for passengers.

SURVEY AND PLANNING PROJECTS

GoTriangle plans to undertake three projects in FY21 that will prepare the region for future transit needs:

- A Transit Facilities Study to assess the existing facility space, capacity, and work-flow efficiency of the Fay Street bus garage. This study will also propose upgrades at the Fay Street site, including electric vehicle requirements, procurement strategy, and asset management, and/or identify when a new facility may be required along with high-level cost estimates. This study will also include the feasibility and conceptual design for improvements to Durham Station to create better and more direct pedestrian access ways, increase walkway widths, waiting areas, seating adjacent to bus bays, overhead shelters, and assess electric vehicle needs. It will also include elements of a larger GoTriangle fleet and facilities plan including possible relocation and/or expansion of the Nelson Road Bus Operations and Maintenance Facility (BOMF). The goal is to conduct a coordinated regional maintenance, storage, and charging station facility study. The study will also include a regional electric bus charging infrastructure needs assessment. Finally, the study will include site selection and conceptual design for Durham park and rides as well as transfer points where future crosstown routes intersect with routes serving Durham Station.

- An On-board Origin-Destination Survey to record transit travel behavior and produce data available for analysis about transit travel markets. This information is an essential input into regional and FTA travel models, which influences the success of GoTriangle's submissions to the FTA's Capital Improvement Grants (CIG) program and the state's SPOT process. The last on-board survey in Durham was conducted in 2014. These surveys would also be done in Orange and Wake counties for greater efficiency.
- A Durham Bus Plan to be conducted after the development of the Durham Transit Plan. Additional work will be needed to further refine the bus service concepts and associated capital facilities required in Durham County. In addition, GoTriangle will need to put together a separate, consolidated Short Range Transit Plan that includes the service adjustments envisioned in updates to all three County plans (Durham, Orange, and Wake).

REIMBURSEMENT OF FEDERAL INTEREST FOR REAL PROPERTY

In FY21, \$2.9M is set aside to address required payments to the Federal Transit Administration regarding real property acquired as part of the Durham-Orange Light Rail Transit (D-O LRT) project.

Durham Transit Work Plan - FY20 Adopted/FY 21 Base Requests

Durham Workplan - Operating

Agency	FY 20 Adopted	FY 2021 Submission	Notes
DCHC MPO	\$55,364	\$56,750	
GoTriangle	\$3,439,966	\$3,620,100	
Durham County / Access	\$383,329	\$391,400	
Durham / GoDurham	\$3,206,173	\$5,715,100	
Total Operating (Agency)	\$7,084,832	\$9,783,350	
Tax District Administration	\$85,300	\$405,700	
Transit Plan Administration	\$2,068,611	\$1,826,450	
Transit Operations	\$4,930,921	\$7,551,200	
Total Operating (Appropriation Category)	\$7,084,832	\$9,783,350	

Total Operating	\$7,084,832	\$9,783,350
Total Capital	\$13,757,114	\$21,818,250

TOTAL Durham Workplan

\$20,841,946 **\$31,601,600**

Agency	Workplan Project ID	Project	Category	FY 20 Adopted	FY 2021 Submission	Notes
DCHC MPO	19MPO_AD1	Staff Working Group Administrator	Transit Plan Administration	55,364	56,750	
GoTriangle	21GOTAD1	Tax District Administration - Financial Oversight Staff	Tax District Administration	-	125,700	Renamed
GoTriangle	21GOTAD11	Tax District Administration - Financial Oversight - Support Services (D)	Tax District Administration	-	280,000	Renamed
GoTriangle	21GOTAD2	Transit Plan Administration - Program Management Staff	Transit Plan Administration	-	131,100	Renamed
GoTriangle	21GOTAD3	Transit Plan Administration - Project Implementation Staff	Transit Plan Administration	-	465,600	Renamed
GoTriangle	21GOTAD13	TPA - Transit Planning - Support Services	Transit Plan Administration	-	30,000	Renamed
GoTriangle	21GOTAD14	TPA - Performance Data Processing and Visualization Tool	Transit Plan Administration	75,000	117,900	Renamed
GoTriangle	21GOTAD4	TPA - Legal and Real Estate - Support Staff	Transit Plan Administration	-	391,800	Renamed
GoTriangle	21GOTAD5	TPA - Marketing , Communication and PE - Support Staff	Transit Plan Administration	-	189,700	Renamed
GoTriangle	21GOTAD12	TPA - Marketing, Communication and PE - Support Services	Transit Plan Administration	-	70,000	Renamed
GoTriangle	21GOTAD6	TPA - Regional Technology and Administration - Support Staff	Transit Plan Administration	-	72,700	Renamed
GoTriangle	18GOTAD10	Customer Surveys (GoTriangle and GoDurham)	Transit Plan Administration	74,235	100,000	Renamed
GoTriangle	20GOT_TS1	Route 700 Improvements	Transit Operations	365,577	406,800	
GoTriangle	20GOT_TS2	Route 800 Improvements	Transit Operations	422,915	381,200	
GoTriangle	20GOT_TS3	Route 400 Improvements	Transit Operations	349,452	326,700	
GoTriangle	20GOT_TS5	Route ODX - Orange-Durham Express	Transit Operations	157,210	178,500	
GoTriangle	20GOT_TS7	Route DRX Improvements	Transit Operations	181,117	245,100	
GoTriangle	19GOT_TS8	Paratransit expansion	Transit Operations	27,472	39,500	
GoTriangle	20GOT_TS9	Route 405 Improvements	Transit Operations	33,675	20,600	
GoTriangle	21GOTOO2	Fare Collection Improvements (D)	Transit Operations	-	22,500	NEW
GoTriangle	21GOTOO1	Youth Gopass	Transit Operations	-	24,700	NEW
GoTriangle	19GOT_AD1 [Discontinued ID / n	.25 FTE for Tax District Admin	Tax District Administration	22,350	-	Replaced
GoTriangle	20GOT_AD1 [Discontinued ID / n	.5 FTE for Sr. Financial Analyst	Tax District Administration	62,950	-	Replaced
GoTriangle	20GOT_AD2 [Discontinued ID / n	Support Services	Transit Plan Administration	1,556,762	-	Replaced
GoTriangle	20GOT_AD3 [Discontinued ID / n	Support - Consultant	Transit Plan Administration	111,250	-	Replaced
Durham County / Access	20DCO_AD1	1 FTE - oversight / management of the Durham transit plan	Transit Plan Administration	196,000	200,900	
Durham County / Access	19DCO_TS1	Durham County Access service	Transit Operations	187,329	190,500	
Durham / GoDurham	18DCI_TS1	Route 5 Improvements	Transit Operations	680,049	1,066,000	
Durham / GoDurham	18DCI_TS2	Route 10 Improvements	Transit Operations	490,582	798,100	
Durham / GoDurham	20DCI_TS4	Route 12 Improvements	Transit Operations	324,785	528,400	
Durham / GoDurham	18DCI_TS6	Route 20 - New Commuter Service	Transit Operations	269,875	305,800	
Durham / GoDurham	18DCI_TS7	System-Wide - Later Sunday Service	Transit Operations	170,510	228,100	
Durham / GoDurham	18DCI_TS8	System-Wide - New Year's Eve Service	Transit Operations	7,480	10,000	
Durham / GoDurham	18DCI_TS9	Increased Cost of Existing Services	Transit Operations	815,217	815,200	
Durham / GoDurham	20DCI_TS10	Food access for Seniors - Pilot Route	Transit Operations	18,870	58,000	
Durham / GoDurham	20DCI_TS11	Durham Transportation Alternatives	Transit Operations	66,960	68,600	
Durham / GoDurham	20DCITS12	Route 2 Improvements	Transit Operations	140,420	924,800	NEW
Durham / GoDurham	21DCITS1	Route 1 Improvements	Transit Operations	-	248,900	NEW
Durham / GoDurham	21DCITS2	Route 4 Improvements	Transit Operations	-	248,900	NEW
Durham / GoDurham	21DCITS3	Route 8 Improvements	Transit Operations	-	75,400	NEW
Durham / GoDurham	21DCIOO1	Youth GoPass	Transit Operations	-	88,500	NEW
Durham / GoDurham	21DCIOO2	Fare Collection Improvements	Transit Operations	-	250,000	NEW
Durham / GoDurham	18DCI_TS3 - [Discontinued ID / n	Route 3 - Tripper for Crowding Relief	Transit Operations	37,400	-	Replaced
Durham / GoDurham	18DCI_TS4 - [Discontinued ID / n	Route 12 & 14 - Frequency Improvements	Transit Operations	-	-	Replaced
Durham / GoDurham	18DCI_TS5 - [Discontinued ID / n	Route 15 - Span Improvements	Transit Operations	184,025	-	Replaced
Total Operating By Project			-	7,084,832	9,783,350	
			FY 20 Adopted	FY 2021 Submission		
					1,884,100	NEW

Durham Transit Work Plan - FY20 Adopted/FY 21 Base Requests

Durham Workplan - Capital

Agency	FY 20 Adopted	FY 2021 Submission	Notes
DCHC MPO	\$750,000	\$0	
GoTriangle	\$9,201,659	\$9,732,500	
Durham County / Access	\$541,333	\$0	
Durham / GoDurham	\$3,264,122	\$12,085,750	
Total Capital (Agency)	\$13,757,114	\$21,818,250	
Transit Infrastructure	\$6,073,648	\$15,363,750	
Vehicle Acquisition	\$614,183	\$4,667,000	
BRT	\$0	\$0	
LRT	\$2,347,472	\$0	
CRT	\$3,065,373	\$0	
Capital Planning	\$906,438	\$1,787,500	
Transit Plan Development	\$750,000	\$0	
Total Capital (Appropriation Category)	\$13,757,114	\$21,818,250	

Total Operating	\$7,084,832	\$9,783,350
Total Capital	\$13,757,114	\$21,818,250

TOTAL Durham Workplan	\$20,841,946	\$31,601,600
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Agency	Workplan Project ID	Project	Category	FY 20 Adopted	FY 2021 Submission	Notes
DCHC MPO	20MPO_AD1	Transit Plan Update	Transit Plan Development	750,000	-	FY20Q4 carryover
GoTriangle	19GOT_CO1	ERP System - Transit Plan	Capital Planning	906,438	-	FY20Q4 carryover
GoTriangle	19GOT_CO2	Commuter Rail Project Development	CRT	3,065,373	-	FY20Q4 carryover
GoTriangle	20GOT_CD1	Light Rail Transit	LRT	2,347,472	-	FY20Q4 carryover
GoTriangle	18GOT_CD2	Southpoint Transit Center	Transit Infrastructure	426,376	-	FY20Q4 carryover
GoTriangle	18GOT_CD4	Patterson Place Improvements	Transit Infrastructure	183,000	-	FY20Q4 carryover
GoTriangle	18GOTCD7	Bus Stop Improvements (Durham County)	Transit Infrastructure	257,000	-	FY20Q4 carryover
GoTriangle	19GOT_CD1	RTC Facility Feasibility Study - Durham	Transit Infrastructure	125,000	-	FY20Q4 carryover
GoTriangle	20GOTCD2	GoD (Better) Bus Stop Improvements	Transit Infrastructure	1,529,000	2,500,000	FY20Q4 carryover
GoTriangle	20GOTCD3	Tactical Transit Amenities	Transit Infrastructure	50,000	100,000	FY20Q4 carryover
GoTriangle	20GOT_CD4	Mobile Ticket Validators - Durham share	Transit Infrastructure	62,000	-	FY20 Expense
GoTriangle	20GOT_CD5	Phase1 GoDurham bus stop closeout (GoTriangle)	Transit Infrastructure	250,000	-	NEW
GoTriangle	21GOTVP1	Vehicle acquisition and replacement	Vehicle Acquisition	-	1,445,000	NEW
GoTriangle	21GOTCD1	Reimbursement of federal interest for real property	Transit Infrastructure	-	2,900,000	NEW
GoTriangle	21GOTCD2	Priority Bus Stop Safety Improvements	Transit Infrastructure	-	1,000,000	NEW
GoTriangle	21GOTCO1	Origin Destination Survey	Capital Planning	-	500,000	NEW
GoTriangle	21GOTCO2	Durham Bus Plan	Capital Planning	-	312,500	NEW
GoTriangle	21GOTCO3	Transit Facilities Study	Capital Planning	-	975,000	NEW
Durham County / Access	19DCO_VP1	Durham County ACCESS Vehicle Purchases	Vehicle Acquisition	191,333	-	FY20 Expense
Durham County / Access	20DCO_VP2	Durham County Access Vehicle Purchases	Vehicle Acquisition	350,000	-	FY20 Expense
Durham / GoDurham	20DCI_VP01	GoDurham Vehicle Purchases	Vehicle Acquisition	72,850	-	FY20Q4 carryover
Durham / GoDurham	20DCI_CD03	Mobile Ticketing Validators	Transit Infrastructure	235,000	-	FY20Q4 carryover
Durham / GoDurham	18DCI_CD01	Holloway Street Transit Emphasis Corridor	Transit Infrastructure	70,000	1,660,000	FY20Q4 carryover
Durham / GoDurham	18DCI_CD02	Fayetteville Street Transit Emphasis Corridor	Transit Infrastructure	980,000	2,000,000	FY20Q4 carryover
Durham / GoDurham	18DCI_CD04	GoDurham Bus Stop Improvements	Transit Infrastructure	783,570	-	FY20Q4 carryover
Durham / GoDurham	18DCI_CD05	Village Transit Center	Transit Infrastructure	201,502	268,500	FY20Q4 carryover
Durham / GoDurham	20DCI_CD01	Chapel Hill Road Transit Emphasis Corridor	Transit Infrastructure	96,200	790,250	FY20Q4 carryover
Durham / GoDurham	20DCI_CD2	Bus Stop Access Improvements	Transit Infrastructure	125,000	1,125,000	FY20Q4 carryover
Durham / GoDurham	20DCI_CD4	Southpoint Transit Center - Increase in scope allocation	Transit Infrastructure	200,000	-	FY20Q4 carryover
Durham / GoDurham	20DCI_CD5	Bus Speed and Reliability	Transit Infrastructure	500,000	1,500,000	FY20Q4 carryover
Durham / GoDurham	21DCIVP2	Electric Vehicle Acquisition	Vehicle Acquisition	-	3,222,000	NEW
Durham / GoDurham	21DCICD1	GoDurham CAD/AVL	Transit Infrastructure	-	1,500,000	NEW
Durham / GoDurham	21DCICD2	Durham Station Landscaping	Transit Infrastructure	-	20,000	NEW
Total Capital By Project				13,757,114	21,818,250	-

FY 20 Adopted	FY 2021 Submission
250,000	11,874,500 NEW
-	- Transfer to FY21
12,903,781	9,943,750 FY20Q4 carryover
603,333	- FY20 Expense
-	- Discontinued
13,757,114	9,943,750 Total

**DCHC MPO - Durham County
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation		Requested Appropriation	
		FY20		FY21	
19MPO_AD1	Staff Working Group Administrator	\$	55,364	\$	56,750

Total Operating Requests		\$	55,364	\$	56,750
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CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation		Requested Appropriation	
		FY20		FY21	
20MPO_AD1	Transit Plan Update	\$	750,000	\$	-

Total Capital Requests		\$	750,000	\$	-
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Total Requested		\$	805,364	\$	56,750
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= New project request - (Highlight in Blue)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$55,364	\$56,750
Transit Operations	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$55,364	\$56,750
Transit Plan Allocation Remaining (shortfall)	55,364.00	56,750.00

Total Capital (Agency)

Transit Infrastructure	\$0	\$0
Vehicle Acquisition	\$0	\$0
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0
Transit Plan Development	\$750,000	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$750,000	\$0
Transit Plan Allocation Remaining (shortfall)	750,000.00	-

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
19MPO_AD1			FY 2021	
Unique Request ID: [FY Project Start year]	19			
[Three letter Agency]	MPO			
[Project Type]	AD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Staff Working Group Administrator	DCHC MPO	Felix Nwoko	Current Year	\$ 56,750
Estimated Start Date	Estimated Completion	Notes		
January 1, 2018	June 30, 1945	Completion date is same as end date for current approved county transit plans.		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The SWG Administrator is a highly responsible position that will lead the implementation efforts of the Durham and Orange County Transit Plans through coordination of the SWGs. The current project costs estimated till FY24 (6 year period), however FTE costs are assumed to continue to the approved period for the county transit plans (2045).</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
DCHC MPO	Durham County and Orange County	Coordination and implementation of county transit plans.

Project Monitoring Details

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	26,850	55,364	56,750	58,150	59,600	61,100	317,814
Other Revenue							
Federal							-
State							-
Local	26,850	55,364	56,750	58,150	59,600	61,100	317,814
Subtotal Other	26,850	55,364	56,750	58,150	59,600	61,100	317,814
TOTAL REVENUE	53,700	110,728	113,500	116,300	119,200	122,200	635,628

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes	53,700	110,728	113,500	116,300	119,200	122,200	635,628
Contracts			-	-	-	-	-
Bus Operations:							
Estimated Hours			-	-	-	-	
Cost per Hour			-	-	-	-	
Estimated Operating Cost	-	-	-	-	-	-	-
Bus Leases			-	-	-	-	
Park & Ride Lease			-	-	-	-	
Other -Bus (Describe)			-	-	-	-	
Other -Bus (Describe)			-	-	-	-	
Subtotal: Bus Operations	-	-	-	-	-	-	-
Other (Describe)			-	-	-	-	
Other (Describe)			-	-	-	-	
Other (Describe)			-	-	-	-	
TOTAL OPERATING COSTS	53,700	110,728	113,500	116,300	119,200	122,200	635,628

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

This position was originally half-time but this request assumes the position will be increased to full-time in which .5 FTE salary will be charged to Durham and .5 FTE will be charged to Orange.

Project ID#	Triangle Tax District Durham Transit Work Plan Project Request Form Capital			FY START	7/1/2019
20MPO_AD1				FY 2021	
20					
MPO					
AD					
001					

Project Business Case

Provide responses to EACH of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Capital Cost	
Transit Plan Update	DCHC MPO	Aaron Cain	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
July 1, 2019	December 31, 2020			

Project Description

With the discontinuation of the Light Rail Project, the partners need to update the County Transit Plans to establish a new strategy for how transit investments in projects and services will address community goals. While a specific scope and schedule for this work is yet to be defined, we have an expectation at this time that this will require a significant effort by staff of multiple organizations and consultants. There is staff agreement that this effort will require deep, meaningful, equitable community engagement and should be tightly integrated with the concurrent update to the Durham City/County Comprehensive Plan. While this will be an independent Durham County Transit Plan, it must be well coordinated with the county transit planning efforts in Orange and Wake counties. This project will include a vision plan based on community values derived from a robust and equitable engagement effort, a multi-year program of prioritized investments in new services and projects, and a detailed delivery strategy to implement the priorities on-time and on-budget.

Project Profile

Project Area	Direct or Indirect Beneficiaries	Key benefits (Transit Plan)	Transit Plan Section	Map of Area
County-wide				

Project Info

Which fund is this project being proposed for?

Was this project evaluated in the Adopted Durham or Orange Transit Plans?

Spending of transit tax revenues on an update to the Transit Plan was not anticipated in the 2017 County Transit Plan. This will require adoption by the governing Boards of Durham County, GoTriangle, and the DCHC MPO.

What is your plan if the request is not funded?

n/a

Finance Estimates

Estimated Project Revenues:

Revenue	FY 19 and Prior	FY20	Funding to Date	FY21	FY22	FY23	Total
Tax Revenue							
Durham County Tax Revenue	\$ -	\$ 750,000	\$ 750,000		-	-	750,000
Other Revenue							
Federal	\$ -	\$ -	\$ -	\$ -			-
State	\$ -	\$ -	\$ -				-
Other -	\$ -	\$ -	\$ -	\$ -			-
Subtotal Other	\$ -	\$ -	\$ -	-	-	-	-
TOTAL REVENUE	\$ -	\$ 750,000	\$ 750,000	\$ -	-	-	750,000

Cost Break Down of Project Request

CAPITAL COSTS	FY 19 and Prior	FY20	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies	\$ -	\$ 750,000					\$ 750,000
Land - Right of Way	\$ -	\$ -					\$ -
Design & Engineering	\$ -	\$ -					\$ -
Construction - Implementation	\$ -	\$ -					\$ -
Equipment	\$ -	\$ -					\$ -
Other (Describe)	\$ -	\$ -					\$ -
TOTAL CAPITAL COSTS	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

This estimate is preliminary. A scope for the work of staff and consultants will be developed over the next two months and the budget will be revised accordingly. This estimate is based on knowledge of comparable efforts in Wake County.

**Durham County
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation FY20	Requested Appropriation FY21
20DCO_AD1	1 FTE - oversight / management of the Durham transit plan	\$196,000	\$200,900
19DCO_TS1	Durham County Access service	\$187,329	\$190,500

Total Operating Requests		\$ 383,329	\$ 391,400

CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation FY20	Requested Appropriation FY21
19DCO_VP1	Durham County ACCESS Vehicle Purchases	\$191,333	
20DCO_VP2	Durham County Access Vehicle Purchases	\$350,000	

Total Capital Requests		\$ 541,333	\$ -
Total Requested		\$ 924,662	\$ 391,400

= New project request - (Highlight in Blue)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$196,000	\$200,900
Transit Operations	\$187,329	\$190,500

FY2021 Transit Plan Allocation

LESS: Total Requested	\$196,000	\$200,900
Transit Plan Allocation Remaining (shortfall)	196,000.00	200,900.00

Total Capital (Agency)

Transit Infrastructure	\$0	\$0
Vehicle Acquisition	\$541,333	\$0
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$541,333	\$0
Transit Plan Allocation Remaining (shortfall)	541,333.00	-

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2019
20DCO_AD1			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	DCO			
[Project Type]	AD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Durham County	Durham County / Access		Current Year	\$ 200,900
Estimated Start Date	Estimated Completion	Notes		
July 1, 2019		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The project proposes to establish a new position to directly manage, oversee, evaluate, and coordinate Transit Planning efforts for Durham County in accordance with the directives issued by the Durham County Board of Commissioners as part of the adopted County's 2019-20 budget. The position will be staffed directly to Durham County, within Goal portfolio 4, and housed in the County's Admin II building. It is currently planned for the position to be a direct report to the General Manager (Deputy County Manager) for Goal 4.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	The Durham Transit plan is envisioned to provide a comprehensive look and approach to implementing improved multi-modal transit operations following the near-term abandonment of the DOLRT. As such, the project will serve the full community and regional employers.	Enhanced multi-modal transit operations will improve transit availability, assist with economic development and shared economic prosperity, and better connecting people to services/employment

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	N/A
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	196,000	200,900	205,900	211,000	216,300	1,030,100
Other Revenue							
Federal -							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	196,000	200,900	205,900	211,000	216,300	1,030,100

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes	\$ -	\$ 196,000.00	\$ 200,900.00	\$ 205,900.00	\$ 211,000.00	\$ 216,300.00	\$ 1,030,100.00
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			\$ -	\$ -	\$ -	\$ -	
Cost per Hour			\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ 196,000.00	\$ 200,900.00	\$ 205,900.00	\$ 211,000.00	\$ 216,300.00	\$ 1,030,100.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

1. Position fringes will be in accordance with other Durham County employees.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
19DCO_TS1			FY 2021	
Unique Request ID: [FY Project Start year]	19			
[Three letter Agency]	DCO			
[Project Type]	TS			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Durham County ACCESS	Durham County / Access	Linda Thomas	Current Year	\$ 190,500
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Durham County ACCESS will provide demand response service to service the mobility needs of seniors, disabled, rural general public. Trip purpose includes transportation to medical appointments, nutritional, dialysis work and employment related activities and daily need trips such as grocery shopping, banking. BRIP funds in FY 16-17 allowed Durham County ACCESS to increase service by 41%. This request will provide the stability to continue to maintain and expand the service.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	Seniors, veterans, rural general public, disabled, dialysis patients, workers	Tie to plan goals

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	176,234	187,329	190,500	199,500	208,700	218,100	1,180,363
Other Revenue							
Federal - 5310	\$ 100,000						100,000
State	\$ 250,000						250,000
Other:		\$ 168,303	\$ 168,300	\$ 168,300	\$ 168,300	\$ 168,300	841,503
Subtotal Other	350,000	168,303	168,300	168,300	168,300	168,300	1,191,503
TOTAL REVENUE	526,234	355,632	358,800	367,800	377,000	386,400	2,371,866

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes				\$ -	\$ -	\$ -	\$ -
Contracts				\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours				\$ -	\$ -	\$ -	
Cost per Hour				\$ -	\$ -	\$ -	
Estimated Operating Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases				\$ -	\$ -	\$ -	
Park & Ride Lease				\$ -	\$ -	\$ -	
Other -Bus (Describe)				\$ -	\$ -	\$ -	
Other -Bus (Describe)				\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service	\$ 526,234.00	\$ 350,000.00	\$ 358,800.00	\$ 367,800.00	\$ 377,000.00	\$ 386,400.00	\$ 2,366,234.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 526,234.00	\$ 350,000.00	\$ 358,800.00	\$ 367,800.00	\$ 377,000.00	\$ 386,400.00	\$ 2,366,234.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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**City of Durham / GoDurham
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation	Requested Appropriation
		FY20	FY21
18DCI_TS1	Route 5 Improvements	\$ 680,049	\$ 1,066,000
18DCI_TS2	Route 10 Improvements	\$ 490,582	\$ 798,100
20DCI_TS4	Route 12 Improvements	\$ 324,785	\$ 528,400
18DCI_TS6	Route 20 - New Commuter Service	\$ 269,875	\$ 305,800
18DCI_TS7	System-Wide - Later Sunday Service	\$ 170,510	\$ 228,100
18DCI_TS8	System-Wide - New Year's Eve Service	\$ 7,480	\$ 10,000
18DCI_TS9	Increased Cost of Existing Services	\$ 815,217	\$ 815,200
20DCI_TS10	Food access for Seniors - Pilot Route	\$ 18,870	\$ 58,000
20DCI_TS11	Durham Transportation Alternatives	\$ 66,960	\$ 68,600
20DCITS12	Route 2 Improvements	\$ 140,420	\$ 924,800
21DCITS1	Route 1 Improvements		\$ 248,900
21DCITS2	Route 4 Improvements		\$ 248,900
21DCITS3	Route 8 Improvements		\$ 75,400
21DCIOO1	Youth GoPass		\$ 88,900
21DCIOO2	Fare Collection Improvements		\$ 250,000
18DCI_TS3 - [Discontinued ID / revised]	Route 3 - Tripper for Crowding Relief	\$ 37,400	
18DCI_TS4 - [Discontinued ID / revised]	Route 12 & 14 - Frequency Improvements		
18DCI_TS5 - [Discontinued ID / revised]	Route 15 - Span Improvements	\$ 184,025	
Total Operating Requests		\$ 3,206,173	\$ 5,715,100

CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation	Requested Appropriation
		FY20	FY21
20DCI_VP01	GoDurham Vehicle Purchases	\$ 72,850	
20DCI_CD03	Mobile Ticketing Validators	\$ 235,000	
18DCI_CD01	Holloway Street Transit Emphasis Corridor	\$ 70,000	\$ 1,660,000
18DCI_CD02	Fayetteville Street Transit Emphasis Corridor	\$ 980,000	\$ 2,000,000
18DCI_CD04	GoDurham Bus Stop Improvements	\$ 783,570	
18DCI_CD05	Village Transit Center	\$ 201,502	\$ 268,500
20DCI_CD01	Chapel Hill Road Transit Emphasis Corridor	\$ 96,200	\$ 790,250
20DCI_CD2	Bus Stop Access Improvements	\$ 125,000	\$ 1,125,000
20DCI_CD4	Southpoint Transit Center - Increase in scope allocation	\$ 200,000	
20DCI_CD5	Bus Speed and Reliability	\$ 500,000	\$ 1,500,000
21DCIVP2	Electric Vehicle Acquisition		\$ 3,222,000
21DCICD1	GoDurham CAD/AVL		\$ 1,500,000
21DCICD2	Durham Station Landscaping		\$ 20,000
Total Capital Requests		\$ 3,264,122	\$ 12,085,750
Total Requested		\$ 6,470,295	\$ 17,800,850

= New project request - (Highlight in Blue)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$0	\$0
Transit Operations	\$3,206,173	\$5,715,100

FY2021 Transit Plan Allocation

LESS: Total Requested	\$3,206,173	\$5,715,100
Transit Plan Allocation Remaining (shortfall)	3,206,173.20	5,715,100.00

Total Capital (Agency)

Transit Infrastructure	\$3,191,272	\$8,863,750
Vehicle Acquisition	\$72,850	\$3,222,000
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$3,264,122	\$12,085,750
Transit Plan Allocation Remaining (shortfall)	3,264,122.00	12,085,750.00

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
18DCI_TS1			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	001			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 5 Improvements	GoDurham	Erik Landfried	Current Year	\$ 1,066,000
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
The project includes: - A new Route 5K created in the Fayetteville St corridor, between Durham Station and Martin Luther King, Jr. Parkway. It operates from 7 AM to 6 PM, Monday through Saturday and overlaps Route 5 to create a Frequent Service Corridor on Fayetteville St. - 30 minute service on nights and Sundays (previously in a separate project sheet).				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Fayetteville St, north of MLK, Jr. Pkwy for frequent 5k corridor, whole route on 30 minute service at nights and Sundays	Transit riders who live or work along Fayetteville St, including NCCU students and staff. Night and Sunday riders.	More frequent service, which leads to more flexible trip times and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	5:23 AM - 12:35 AM, Monday - Saturday; 6:28 AM - 9:35 PM, Sunday
c) Frequency	Every 15 minutes along frequent corridor Monday - Saturday; 30 otherwise
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Renaissance Prkwy at Southpoint Mall
f) Major Market Destinations Served	NCCU, Hillside HS
g) Revenue Hours	from project: 28.13 on weekdays; 28.53 Saturday; 15.5 on Sunday

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	646,328	689,416	1,066,000	1,097,000	1,125,200	1,153,300	5,777,244
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	646,328	689,416	1,066,000	1,097,000	1,125,200	1,153,300	5,777,244

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	6,629.00	6,629.00	9,376.38	9,376.38	9,376.38	9,376.38	
Cost per Hour	\$ 97.50	\$ 104.00	\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ 646,327.50	\$ 689,416.00	\$1,066,000.00	\$1,097,000.00	\$1,125,200.00	\$ 1,153,300.00	\$ 5,777,243.50
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 646,327.50	\$ 689,416.00	\$1,066,000.00	\$1,097,000.00	\$1,125,200.00	\$ 1,153,300.00	\$ 5,777,243.50
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 646,327.50	\$ 689,416.00	#####	#####	#####	\$ 1,153,300.00	\$ 5,777,243.50

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
18DCI_TS2			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	002			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 10 Improvements	GoDurham	Erik Landfried	Current Year	\$ 798,100
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

Route 10/10B is the 3rd highest ridership route in the GoDurham system and runs every 15 minutes during the day, Monday-Saturday. This projects incorporates added trips on weekdays and Saturdays and 30 minute service on nights/Sundays (previously in a separate project sheet).

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Morehead Ave, Chapel Hill Rd, and University Dr	Transit riders who live or work along Chapel Hill Rd or in the South Square area	More frequent service, which leads to more flexible trip times and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	5:30 AM - 12:23 AM, Monday - Saturday; 6:11 AM - 9:23 PM, Sunday
c) Frequency	Every 15 minutes during day; 30 minutes otherwise
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Renaissance Pkwy at Southpoint Mall
f) Major Market Destinations Served	NCCU, Hillside HS
g) Revenue Hours	From project: 18.32 on weekdays; 28.87 on Saturdays; 19 on Sundays

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	441,578	471,016	798,100	821,300	842,400	863,500	4,237,894
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	441,578	471,016	798,100	821,300	842,400	863,500	4,237,894

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	4,529.00	4,529.00	7,020.00	7,020.00	7,020.00	7,020.00	
Cost per Hour	\$ 97.50	\$ 104.00	\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ 441,577.50	\$ 471,016.00	\$ 798,100.00	\$ 821,300.00	\$ 842,400.00	\$ 863,500.00	\$ 4,237,893.50
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 441,577.50	\$ 471,016.00	\$ 798,100.00	\$ 821,300.00	\$ 842,400.00	\$ 863,500.00	\$ 4,237,893.50
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 441,577.50	\$ 471,016.00	\$ 798,100.00	\$ 821,300.00	\$ 842,400.00	\$ 863,500.00	\$ 4,237,893.50

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
20DCI_TS4			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	004			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 12 Improvements	GoDurham	Erik Landfried	Current Year	\$ 528,400
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Route 12 had additional trips added (designated as Route 12B) departing Durham Station at :30 past the hour and returning at :25 past, Monday through Saturday before 7:00 PM. This provides 30 minute frequency on NC-55, Riddle Rd, and Cornwallis Rd between NC-147 and NC-54. In FY21 the weekday Route 14 trip that was previously added as part of the project has been removed. Rev/h were revised from previous years.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
NC-55, Riddle Rd, Cornwallis Rd from NC-147 to NC-54	Transit riders who live or work along NC-55, including NCCU students and staff	More frequent service, which leads to more flexible trip times and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	6:00 AM - 7:00 PM, Monday - Saturday
c) Frequency	Every 30 minutes between NC 54 and Durham Station
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Renaissance Pkwy at Southpoint Mall and RTC
f) Major Market Destinations Served	NCCU, Hillside HS, Triangle Square
g) Revenue Hours	From project: 9.85 on weekdays and Saturdays; 3.4 on Sundays

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	306,833	327,288	528,400	543,800	557,800	571,700	2,835,821
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	306,833	327,288	528,400	543,800	557,800	571,700	2,835,821

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	3,147.00	3,147.00	4,648.00	4,648.00	4,648.00	4,648.00	
Cost per Hour	\$ 97.50	\$ 104.00	\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ 306,832.50	\$ 327,288.00	\$ 528,400.00	\$ 543,800.00	\$ 557,800.00	\$ 571,700.00	\$ 2,835,820.50
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 306,832.50	\$ 327,288.00	\$ 528,400.00	\$ 543,800.00	\$ 557,800.00	\$ 571,700.00	\$ 2,835,820.50
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 306,832.50	\$ 327,288.00	\$ 528,400.00	\$ 543,800.00	\$ 557,800.00	\$ 571,700.00	\$ 2,835,820.50

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
18DCI_TS6			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	006			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 20 - New Commuter Service	GoDurham	Erik Landfried	Current Year	\$ 305,800
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

A new Route 20 was implemented, which provides peak-hour, limited-stop service between south Durham and the Duke & VA Medical Centers. It serves two Park-and-Rides (Hope Valley Commons and Parkway Plaza), apartments and shopping centers in the South Square area, and Jordan HS. 7 trips were eliminated in January 2020 (FY20 column not updated).

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Garrett Rd, NC-751, University Dr, Duke University Campus	People who commute from South Durham to Duke and had an indirect service before, as well as students at Jordan HS	A more direct connection between south Durham and Duke & VA Medical Centers, without having to travel downtown and transfer

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	6:20 AM - 9:50 AM and 3:00 PM - 7:10 PM, Monday - Friday
c) Frequency	Every 30 minutes
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Duke & VA Medical Centers - Hope Valley Commons
f) Major Market Destinations Served	South Square, Jordan HS
g) Revenue Hours	10.55 per day (from 13.92)

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	343,298	366,184	305,800	314,700	322,800	330,900	1,983,682
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	343,298	366,184	305,800	314,700	322,800	330,900	1,983,682
Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	3,521.00	3,521.00	2,690.00	2,690.00	2,690.00	2,690.00	
Cost per Hour	\$ 97.50	\$ 104.00	\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ 343,297.50	\$ 366,184.00	\$ 305,800.00	\$ 314,700.00	\$ 322,800.00	\$ 330,900.00	\$ 1,983,681.50
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 343,297.50	\$ 366,184.00	\$ 305,800.00	\$ 314,700.00	\$ 322,800.00	\$ 330,900.00	\$ 1,983,681.50
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 343,297.50	\$ 366,184.00	\$ 305,800.00	\$ 314,700.00	\$ 322,800.00	\$ 330,900.00	\$ 1,983,681.50

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
18DCI_TS7			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	007			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
System-Wide - Later Sunday Service	GoDurham	Erik Landfried	Current Year	\$ 228,100
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

All routes had their Sunday span extended by two hours. Previously, the last trip departing Durham Station on Sundays was at 7:00 PM for all routes. Now it is 9:00 PM. (Routes not serving Durham Station were adjusted accordingly.)

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Everywhere in Durham	Everyone who rides transit on Sundays	More options for trip times, including additional access to jobs

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	6:30 AM - 9:30 PM, Sunday
c) Frequency	Every 60 minutes
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station
f) Major Market Destinations Served	Everywhere
g) Revenue Hours	34.00 per day

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	195,585	208,624	228,100	234,700	240,700	246,700	1,354,409
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	195,585	208,624	228,100	234,700	240,700	246,700	1,354,409

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	2,006.00	2,006.00	2,006.00	2,006.00	2,006.00	2,006.00	
Cost per Hour	\$ 97.50	\$ 104.00	\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ 195,585.00	\$ 208,624.00	\$ 228,100.00	\$ 234,700.00	\$ 240,700.00	\$ 246,700.00	\$ 1,354,409.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 195,585.00	\$ 208,624.00	\$ 228,100.00	\$ 234,700.00	\$ 240,700.00	\$ 246,700.00	\$ 1,354,409.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 195,585.00	\$ 208,624.00	\$ 228,100.00	\$ 234,700.00	\$ 240,700.00	\$ 246,700.00	\$ 1,354,409.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
18DCI_TS8			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	008			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
System-Wide - New Year's Eve Service	GoDurham	Erik Landfried	Current Year	\$ 10,000
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

GoDurham now operates full service on New Year's Eve instead of ending service with the 7:00 PM departures from Durham Station. Service ends at 12:00 AM, or 9:00 PM if New Year's Eve falls on a Sunday

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Everywhere in Durham	Everyone who rides transit on New Year's Eve	More options for trip times, including additional access to jobs

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	6:30 AM - 12:30 AM when NYE is on Mon-Sat, 6:30 AM - 9:30 PM on Sunday
c) Frequency	Variable
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station
f) Major Market Destinations Served	Everywhere
g) Revenue Hours	88 when NYE is on Mon-Sat, 7 on Sunday

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	8,580	9,152	10,000	10,300	10,600	10,800	59,432
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	8,580	9,152	10,000	10,300	10,600	10,800	59,432

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	88.00	88.00	88.00	88.00	88.00	88.00	
Cost per Hour	\$ 97.50	\$ 104.00	\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ 8,580.00	\$ 9,152.00	\$ 10,000.00	\$ 10,300.00	\$ 10,600.00	\$ 10,800.00	\$ 59,432.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 8,580.00	\$ 9,152.00	\$ 10,000.00	\$ 10,300.00	\$ 10,600.00	\$ 10,800.00	\$ 59,432.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 8,580.00	\$ 9,152.00	\$ 10,000.00	\$ 10,300.00	\$ 10,600.00	\$ 10,800.00	\$ 59,432.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
18DCI_TS9			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	009			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Increased Cost of Existing Services	City of Durham for GoDurham services	Erik Landfried	Current Year	\$ 815,200
Estimated Start Date	Estimated Completion	Notes		
August 15, 2018	June 30, 2024	Ongoing commitment beyond 2024		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
The Durham County Interlocal Implementation Agreement among Durham County, GoTriangle, and the Durham-Chapel Hill-Carrboro MPO established that the City of Durham could use up to one-half of the \$7 vehicle registration fee revenues to cover the increased cost of existing services (the number of revenue hours offered in FY2013).				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location? Who will this Project serve? What are the key benefits?

This project will consider projected demand for future services as a indicator to the need for expanded services.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	8/15/2018
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	859,182	815,217	815,200	821,700	828,300	834,900	4,974,499
Other Revenue							
Federal							-
State							-
Other (Describe)							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	859,182	815,217	815,200	821,700	828,300	834,900	4,974,499
Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	0.80%	0.80%	0.80%	0.80%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			\$ -	\$ -	\$ -	\$ -	
Cost per Hour			\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)	859,182	815,217	815,217	\$ 821,700.00	\$ 828,300.00	\$ 834,900.00	\$ 4,974,516.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 859,182.00	\$ 815,217.00	\$ 815,200.00	\$ 821,700.00	\$ 828,300.00	\$ 834,900.00	\$ 4,974,516.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

N/A

Unique Project ID#	Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services		FY START DATE	7/1/2019
20DCI_TS10			FY 2021	
Unique Request ID: (FY Project Start year)				
(Three letter Agency)				
(Project Type)				
(Unique Number)	20	DCI	TS	010

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Food access for Seniors - Pilot Route	City of Durham	Pierre Osei-Owusu	Current Year	\$ 58,000
Estimated Start Date	Estimated Completion	Notes		
March 2, 2020	June 30, 2021			
Project Description	Enter below a summary of the project that may later be used for the FY 2020 Durham - Orange Transit Work Plan.			
Thousands of seniors in Durham are at risk of food insecurity. End Hunger Durham have surveyed several low income senior housing complexes and reported that up to 44 percent of the residents skip meals for lack of adequate transportation to get to a grocery store or food pantry. This pilot would provide approximately 4 hours of fare-free service connecting selected senior housing complexes (Morning Glory, Hosier Mill, Oldham Towers, J.J. Henderson and Forest Hill Heights) to grocery stores and food pantries. This request is for four months of funding in FY20, with the intent to ask for a whole year of funding in FY21. Final details of the pilot are still being developed, including the exact start date, evaluation criteria, etc.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham, different locations	Seniors living at Morning Glory, Hosier Mill, Oldham Towers, J.J. Henderson and Forest Hill Heights housing complexes	Fighting hunger through connectivity

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Mar-20
b) Span	Weekdays: ~9:30 AM - 1:30 PM
c) Frequency	Every 60 minutes
d) Assets Used	ACCESS vans
e) Geographic Termini	Within 2.5 m radius around Downtown
f) Major Market Destinations Served	Senior housing complexes SW and E of Downtown, grocery stores and food pantries
g) Revenue Hours	Weekday (average): 4hr/day

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	-	18,870	58,000	-	-	-	76,870
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	18,870	58,000	-	-	-	76,870

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		340.00	1,020.00				
Cost per Hour		\$ 55.50	\$ 56.89	\$ 58.00	\$ 59.00	\$ 60.00	
Estimated Operating Cost	\$ -	\$ 18,870.00	\$ 58,000.00	\$ -	\$ -	\$ -	\$ 76,870.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ 18,870.00	\$ 58,000.00	\$ -	\$ -	\$ -	\$ 76,870.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ 18,870.00	\$ 58,000.00	\$ -	\$ -	\$ -	\$ 76,870.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Service is projected to operate on 87 weekdays in FY 2020. For FY21 the assumption is to operate 255 weekdays.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
20DCI_TS11			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	011			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Durham Transportation Alternatives	City of Durham	Tom Devlin	Current Year	\$ 68,600
Estimated Start Date	Estimated Completion	Notes		
March 2, 2020				
Project Description	Enter below a summary of the project that may later be used for the FY 2020 Durham - Orange Transit Work Plan.			
<p>In order to serve the needs of emerging employment centers in unincorporated areas of Durham County as well as employers identified for priority by the Durham County Board of County Commissioners, additional funding is requested to administer pilot programs to encourage the use of transit, carpool, vanpool and other non-single-occupant-vehicle modes referenced collectively as transportation alternatives (TA). These programs may include outreach to employers, marketing of TA, subsidies to encourage use of TA, technical assistance to identified employers and employees for commute planning, travel training, transportation demand management, and other purposes.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	Durham Employers and Employees	Transportation Alternatives including vanpool services

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	-	66,960	68,600	70,300	72,100	73,900	351,860
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	66,960	68,600	70,300	72,100	73,900	351,860

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours							
Cost per Hour			\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Operating Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases			\$ -	\$ -	\$ -	\$ -	\$ -
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal: Bus Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 66,960.00	\$ 68,600.00	\$ 70,300.00	\$ 72,100.00	\$ 73,900.00	\$ 351,860.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ 66,960.00	\$ 68,600.00	\$ 70,300.00	\$ 72,100.00	\$ 73,900.00	\$ 351,860.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Northern Durham Vanpool Services is a current project managed by GoTriangle. The City of Durham is requesting that this project be expanded to specifically target emerging employment centers in unincorporated Durham County and to include the promotion of transportation demand management strategies. The City of Durham is requesting an increase in funding to include the expanded scope.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20DCITS12			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	012			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 2 Improvements	GoDurham	Erik Landfried	Current Year	\$ 924,800
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>In the service change that occurred on January 25, 2020, Route 2 subsumed the former Route 15. A previous operating project increased the span of service for Route 15 so that it ran hourly at all times of day and days of the week. This project builds upon that investment and others in the Transit Plan by adding 30-minute night and Sunday service to Route 2, which doubles the existing frequency at those times and makes transfers at Durham Station much more seamless.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Route 2 serves a corridor between Durham Station, East Durham, and Brier Creek.	Current and future riders	Route 2 subsumes the former Route 15. Service was added to Route 15 using Transit Tax revenue to make it hourly at all times of day. This project expands that to include 30 minute service at all times of day.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	1-Jul-20
b) Span	Mon-Sat 5:30am-12:30am, Sun 6:30am-9:30pm
c) Frequency	30-min at all times
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Brier Creek
f) Major Market Destinations Served	Downtown Durham, East Durham, Brier Creek
g) Revenue Hours	3814 in FY21

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue			924,800	951,700	976,100	1,000,500	3,853,100
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	924,800	951,700	976,100	1,000,500	3,853,100

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			8,134.00	8,134.00	8,134.00	8,134.00	
Cost per Hour			\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ -	\$ -	\$ 924,800.00	\$ 951,700.00	\$ 976,100.00	\$ 1,000,500.00	\$ 3,853,100.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ 924,800.00	\$ 951,700.00	\$ 976,100.00	\$ 1,000,500.00	\$ 3,853,100.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 924,800.00	\$ 951,700.00	\$ 976,100.00	\$ 1,000,500.00	\$ 3,853,100.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

255 weekdays, 51 Saturdays, and 58 Sundays in FY21

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21DCITS1			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	001			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 1 Improvements	GoDurham	Erik Landfried	Current Year	\$ 248,900
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

This project adds 30-minute night and Sunday service to Route 1, which doubles the existing frequency at those times and makes transfers at Durham Station much more seamless. This builds upon previous investments to increase frequency at night and on Sundays on the five frequent routes in the GoDurham network.

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Route 1 serves the corridor between downtown Durham, Northgate Mall, and Willowdale Shopping Center	Current and future riders	Doubling the frequency of the route at night and on Sundays makes the service much more useful to existing riders and may attract new riders to the route.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	1-Jul-20
b) Span	Mon-Sat 5:30am-12:30am, Sun 6:30am-9:30pm
c) Frequency	30-min at all times
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Willowdale Shopping Center
f) Major Market Destinations Served	Downtown Durham, Northgate Mall, North Pointe, Croasdaile, Willowdale
g) Revenue Hours	2189 in FY21

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue			248,900	256,100	262,700	269,200	1,036,900
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	248,900	256,100	262,700	269,200	1,036,900

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			2,189.00	2,189.00	2,189.00	2,189.00	
Cost per Hour			\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ -	\$ -	\$ 248,900.00	\$ 256,100.00	\$ 262,700.00	\$ 269,200.00	\$ 1,036,900.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ 248,900.00	\$ 256,100.00	\$ 262,700.00	\$ 269,200.00	\$ 1,036,900.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 248,900.00	\$ 256,100.00	\$ 262,700.00	\$ 269,200.00	\$ 1,036,900.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

255 weekdays, 51 Saturdays, and 58 Sundays in FY21

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21DCITS2			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	002			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 4 Improvements	GoDurham	Erik Landfried	Current Year	\$ 248,900
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

This project adds 30-minute night and Sunday service to Route 4, which doubles the existing frequency at those times and makes transfers at Durham Station much more seamless. This builds upon previous investments to increase frequency at night and on Sundays on the five frequent routes in the GoDurham network.

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Route 4 serves the corridor between downtown Durham, Duke Regional Hospital and Horton Road	Current and future riders	Doubling the frequency of the route at night and on Sundays makes the service much more useful to existing riders and may attract new riders to the route.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	1-Jul-20
b) Span	Mon-Sat 5:30am-12:30am, Sun 6:30am-9:30pm
c) Frequency	30-min at all times
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Horton/Roxboro
f) Major Market Destinations Served	Downtown Durham, Geer Street area, Duke Regional Hospital
g) Revenue Hours	2189 in FY21

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue			248,900	256,100	262,700	269,200	1,036,900
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	248,900	256,100	262,700	269,200	1,036,900

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			2,189.00	2,189.00	2,189.00	2,189.00	
Cost per Hour			\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ -	\$ -	\$ 248,900.00	\$ 256,100.00	\$ 262,700.00	\$ 269,200.00	\$ 1,036,900.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ 248,900.00	\$ 256,100.00	\$ 262,700.00	\$ 269,200.00	\$ 1,036,900.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 248,900.00	\$ 256,100.00	\$ 262,700.00	\$ 269,200.00	\$ 1,036,900.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

255 weekdays, 51 Saturdays, and 58 Sundays in FY21

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21DCITS3			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	TS			
(Unique Number)	003			

Project Business Case

Provide responses to **EACH** of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 8 Improvements	GoDurham	Erik Landfried	Current Year	\$ 75,400
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Route 8 is currently the only route in the GoDurham system that runs hourly all day on Saturdays. This creates confusion for current riders and reduces the opportunity for riders to connect with other routes at Durham Station. This project would bring Route 8 to 30-minute frequency on Saturdays to match the weekday frequency of the route.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Route 8 serves a corridor between downtown Durham, NCCU, McDougald Terrace, and Durham Tech.	Current and future riders	Doubling the frequency on Saturdays will make the route much more useful to current and future riders, reduce confusion, and allow for more seamless transfers at Durham Station to other routes.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	1-Jul-20
b) Span	Saturdays 6am-7pm
c) Frequency	30 min
d) Assets Used	GoDurham vehicles
e) Geographic Termini	Durham Station - Capps/Alston
f) Major Market Destinations Served	Downtown Durham, NCCU, McDougald Terrace, Durham Tech
g) Revenue Hours	663 in FY21

Finance Estimates

Revenue

Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue			75,400	77,600	79,600	81,500	314,100
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	75,400	77,600	79,600	81,500	314,100

Cost Break Down of Project Request

OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			663.00	663.00	663.00	663.00	
Cost per Hour			\$ 113.69	\$ 117.00	\$ 120.00	\$ 123.00	
Estimated Operating Cost	\$ -	\$ -	\$ 75,400.00	\$ 77,600.00	\$ 79,600.00	\$ 81,500.00	\$ 314,100.00
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ 75,400.00	\$ 77,600.00	\$ 79,600.00	\$ 81,500.00	\$ 314,100.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 75,400.00	\$ 77,600.00	\$ 79,600.00	\$ 81,500.00	\$ 314,100.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

51 Saturdays in FY21

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21DCIO01			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	00			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Youth GoPass	GoDurham	Pierre Owusu	Current Year	\$ 88,900
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description		Enter below a summary of the project that may later be used for the Transit Work Plan.		
<p>For youth ages 13-18, transit agencies across Durham, Wake and Orange County will continue to offer a 'Youth GoPass' program. These fare passes are issued by GoTriangle, GoDurham, GoRaleigh, or GoCary with valid K-12 School ID Cards, or with transit agency issued identification cards. GoTriangle, GoDurham GoRaleigh, GoCary, and , in partnership with the respective County's, will continue to work with schools along triangle County's bus network to issue the passes. Passes will also continue to be available to those with a valid ID at GoDurham Station, GoRaleigh Station, the Town of Cary Finance Department, the GoTriangle Regional Transportation Center, public libraries, and regional centers. This project covers the cost of offsetting fares that would have been collected by GoDurham routes, in addition to purchasing the supplies needed for this program. The estimated cost is allocation of Youth GoPass boardings on GoDurham buses.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
GoDurham	For youth ages 13-18	Provides Transit access to the next generation of Transit riders.

Project Monitoring Details

Operating Projects

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		88,900	91,100	93,400	95,700	369,100
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		88,900	91,100	93,400	95,700	369,100

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 88,880.00	\$ 91,100.00	\$ 93,400.00	\$ 95,700.00	\$ 369,080.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 88,900.00	\$ 91,100.00	\$ 93,400.00	\$ 95,700.00	\$ 369,080.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Per Boarding	FY2019 Actual	FY2019 Cost	FY2021 Projected	FY2021 Cost
\$0.37	234,334	\$86,703.58	240,192	\$88,871.04

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21DCIO02			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	OO			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Fare Collection Improvements	GoDurham	Pierre Owusu	Current Year	\$ 250,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

This project will cover the annual costs associated with updated mobile ticketing technology for GoDurham buses and GoDurham City/County ACCESS vans. Cost based on FY19 boardings.

This project request also allocates a portion of hold harmless against any reduction of fare revenue as a result of implementing this uniform fare strategy. The regional fare-working groups priorities include (1) Improving Pass Distribution and Sales; (2) Balance Revenue and Ridership Goals; (3) Improve the Passenger Experience; (4) Improve Regional Coordination; (5) Make Transit an Affordable Option; and (6) Explore New Fare Technologies. These earmarked funds will be estimated and will be dependent on the final methodology developed by a Fare Working Group.

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	Durham, Orange and Wake County	To improve the transit passengers' experience.

Project Monitoring Details

Operating Projects

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		250,000	256,300	262,700	269,300	1,038,300
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		250,000	256,300	262,700	269,300	1,038,300

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ 250,000.00	\$ 256,300.00	\$ 262,700.00	\$ 269,300.00	\$ 1,038,300.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 250,000.00	\$ 256,300.00	\$ 262,700.00	\$ 269,300.00	\$ 1,038,300.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

GoDurham boardings in FY19 was 6,562,498. City/County ACCESS revenue boardings in FY19 was 150,912. These boardings informed the estimated cost of Mobile Ticketing Transaction fees of \$150,000 and hold harmless proposed estimate for FY21 of \$100,000 and will be refined based on uniform fare policy across the region.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18DCI_CD1			FY 2021	
Unique Request ID: [FY Project Start year]	18			
[Three letter Agency]	DCI			
[Project Type]	CD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Holloway Street Transit Emphasis Corridor	City of Durham	Ellen Beckmann	Current Year	\$ 1,660,000
Estimated Start Date	Estimated Completion	Notes		
April 1, 2020	FY24			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Construct sidewalks and install transit amenities on Holloway Street in Northeast Central Durham.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Holloway Street in Northeast Central Durham	Residents and workers in Northeast Central Durham	Improved access to transit

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Linear feet of sidewalk constructed	Number of shelters and other amenities installed	Increased ridership due to improved access	Qualitative	Increased satisfaction of existing GoDurham riders
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	70,000	1,660,000	10,270,000	-	-	12,000,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	70,000	1,660,000	10,270,000	-	-	12,000,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way		\$ 70,000					\$ 70,000
Design & Engineering		\$ -	\$ 1,030,000	\$ 10,270,000			\$ 11,300,000
Construction - Implementation			\$ 630,000				\$ 630,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	70,000	1,660,000	10,270,000	-	-	12,000,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18DCI_CD5			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	CD			
(Unique Number)	005			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Village Transit Center	City of Durham	Ellen Beckmann	Current Year	\$ 268,500
Estimated Start Date	Estimated Completion	Notes		
April 1, 2020	FY23			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Construct sidewalks and install transit amenities such as shelters at the Village Transit Center at the Village Shopping Center in Northeast Central Durham. This project ties in to DCHC TIP project EB-5704, Raynor Street Sidewalks. The project will be constructed in two phases, a north and a south phase, with each phase on either side of Miami Boulevard along Raynor Street.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
The Village Shopping Center (intersection of Miami Boulevard, Holloway Street, and Raynor Street) in Northeast Central Durham	Transit riders using the Village bus stop, which is one of the highest boardings and alightings in the GoDurham system	Improved access to transit and safer and more pleasant amenities for riders

Project Monitoring Details

Quantitative and Qualitative Outcomes		**Please list up to 3 Quantitative metrics and 1 Qualitative		
Linear feet of sidewalk constructed	Number of shelters and other amenities installed	Increased ridership due to improved access	Qualitative	Increased satisfaction of existing GoDurham riders

List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	201,502	268,500	-	-	-	470,002
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	201,502	268,500	-	-	-	470,002

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering		\$ 201,502					\$ 201,502
Construction - Implementation			\$ 268,498				\$ 268,498
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	201,502	268,500	-	-	-	470,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18DCI_CD2			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	DCI			
(Project Type)	CD			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Fayetteville Street Transit Emphasis Corridor	City of Durham	Ellen Beckmann	Current Year	\$ 2,000,000
Estimated Start Date	Estimated Completion	Notes		
April 1, 2020	FY23			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Construct sidewalks and install transit amenities such as shelters along Fayetteville Street from Lakewood Avenue to Cornwallis Road. Also improve the street configuration to improve average bus speed to reduce travel times.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Fayetteville Street from Lakewood Avenue to Cornwallis Road	Transit riders using the GoDurham routes along Fayetteville Street, as well as residents and workers in this area, including students, workers, and visitors to North Carolina Central University.	Improved access to transit and safer and more pleasant amenities for riders

Project Monitoring Details

Quantitative and Qualitative Outcomes		**Please list up to 3 Quantitative metrics and 1 Qualitative		
Linear feet of sidewalk constructed	Number of shelters and other amenities installed	Increased ridership due to improved access	Qualitative	Increased satisfaction of existing GoDurham riders

List any other relevant information not addressed.

This project sheet proposes is significant overall budget increase for this project which constitutes a material change and must therefore be approved by the Durham BOCC, DCHC MPO Board, and GoTriangle Board of Trustees. These approvals will take place during the FY21 approval process.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	980,000	2,000,000	7,800,000	-	-	10,780,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	980,000	2,000,000	7,800,000	-	-	10,780,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering		\$ 980,000					\$ 980,000
Construction - Implementation			\$ 2,000,000	\$ 7,800,000	\$ -	\$ -	\$ 9,800,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	980,000	2,000,000	7,800,000	-	-	10,780,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

The capital dollars for construction were split evenly over the four years of construction. The FY24 date is the assumed date of completion. If the City of Durham has up-to-date schedules for construction they should be provided.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
20DCI_CD1			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	DCI			
(Project Type)	CD			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Chapel Hill Road Transit Emphasis Corridor	City of Durham	Ellen Beckmann	Current Year	\$ 790,250
Estimated Start Date	Estimated Completion	Notes		
April 1, 2020	FY22			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Construct sidewalks and install transit amenities such as shelters along Chapel Hill Road in Southwest Central Durham from ??? Street to ??? Street. Also improve the street configuration to improve average bus speed to reduce travel times.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Chapel Hill Road from ??? Street to ??? Street	Transit riders using the GoDurham routes along Chapel Hill Road, particularly residents and workers in this area	Improved access to transit and safer and more pleasant amenities for riders

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Linear feet of sidewalk constructed	Number of shelters and other amenities installed	Increased ridership due to improved access	Qualitative	Increased satisfaction of existing GoDurham riders
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List any other relevant information not addressed.

This project sheet proposes is significant overall budget increase for this project which constitutes a material change and must therefore be approved by the Durham BOCC, DCHC MPO Board, and GoTriangle Board of Trustees. These approvals will take place during the FY21 approval process.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	96,200	790,250	1,000,000	10,000,000	-	11,886,450
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	96,200	790,250	1,000,000	10,000,000	-	11,886,450

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering		\$ 96,200		\$ 1,000,000			\$ 1,096,200
Construction - Implementation			\$ 790,250		\$ 10,000,000		\$ 10,790,250
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	96,200	790,250	1,000,000	10,000,000	-	11,886,450

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

The capital dollars for construction were split evenly over the four years of construction. The FY24 date is the assumed date of completion. If the City of Durham has up-to-date schedules for construction they should be provided.

Project ID#	Durham Transit Plan- Project Request Form				FY START	7/1/2019	
20CDI_CD2	Capital				FY 2020		
	Transit Service						
Project Business Case							
Project Name	Requesting Agency	Project Contact		TTD Estimated Operating Cost			
Bus Stop Access	City of Durham	Ellen Beckmann		Current Year	\$ -		
Estimated Start Date	Estimated Completion	Notes		TTD Estimated Capital Cost			
July 1, 2018	ongoing			Current Year	\$ 1,125,000		
Project Description							
GoDurham Bus Stop Improvements is a current project managed by GoTriangle. The City of Durham is requesting a complementary sub-project to design and construct sidewalk gaps, pedestrian crosswalks, and signals at the proposed bus stop improvement locations. The City routinely constructs projects like this, has the staff expertise and resources to manage these projects, and can more easily coordinate this with other traffic signal, curb ramp, and sidewalk projects.							
Project Profile							
Project Area	Direct or Indirect Beneficiaries	Key benefits (Transit Plan)	Transit Plan Section	Map of Area			
City of Durham	Durham Residents and Visitors	Improved Bus Stop Amenities	4.3.3				
Project Monitoring Details							
Capital Projects							
Quantitative Outcomes	**Please list up to 3 Quantitative metrics and 1 Qualitative						
1. Increased Ridership	2. Improved Mobility in Area	3. Increased Pedestrian Activity	Qualitative	Improved Customer Satisfaction			
List any other relevant information not addressed.							
Project Costs may increase due to increasing construction costs. Project can complete design/engineering with requested funds							
Finance Estimates							
Revenue							
Tax Revenue	FY 19 and Prior	FY20	Funding to Date	FY21	FY22	FY23	Total
Durham County Tax Revenue	\$ -	\$ 125,000.00	\$ 125,000	-	-	-	125,000
Other Revenue							
Federal				\$ -			-
State							-
Other - City of Durham				\$ -			-
Subtotal Other	\$ -	\$ -	\$ -	-	-	-	-
TOTAL REVENUE	\$ -	\$ 125,000	\$ 125,000	-	-	-	125,000
Multi-Year Capital - Revenue Funding through FY 2021							
Revenue	Durham County Tax Revenue through FY 2020 (Funding to Date)				\$ 1,125,000		
Expenses	FY18 Reimbursement:				\$ -		
Expenses	FY19 Budgeted				\$ -		
Net	Durham County Tax Revenue Available				\$ 1,125,000		
Project Request					\$ 1,125,000		
Balance Available for Future Request					\$ -		
Cost Break Down of Project Request							
CAPITAL COSTS	FY 19 and Prior	FY20	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering		\$ 125,000	\$ 1,125,000				\$ 1,250,000
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	\$ -	\$ 125,000	\$ 1,125,000	\$ -	\$ -	\$ -	\$ 1,250,000
Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.							
The City of Durham is requesting an increase in funding to design and then construct approximately 25 locations per year with an average construction cost of \$50,000 per location and 10% design costs.							

Project ID#	Durham Transit Plan- Project Request Form			FY START	7/1/2019		
20DCI_CD5	Capital			FY 2020			
	Transit Service						
Project Business Case							
Project Name	Requesting Agency	Project Contact	TTD Estimated Operating Cost				
Bus Speed and Reliability	City of Durham	Ellen Beckmann	Current Year \$ -				
Estimated Start Date	Estimated Completion	Notes	TTD Estimated Capital Cost				
July 1, 2018	ongoing		Current Year \$ 1,500,000				
Project Description							
<p>The City of Durham is requesting \$500,000 in FY2020 for bus speed and reliability operational improvements. This funding will be used to identify locations where buses experience delays, slow travel speeds, safety concerns, conflicts with other vehicles or infrastructure, etc. and research potential treatments to enable improved bus speed and reliability. Funds would be used to design improvements, conduct reviews, pay for installation (labor and materials) such as signage, pavement markings, flexible delineator posts, or equipment needed for vehicles, traffic signals, or other infrastructure to enable improved bus performance. Efforts will be coordinated with other projects such as transit emphasis corridor planning, roadway resurfacing, transit center improvements, access to transit for pedestrians and other users, and other vehicle and roadway projects related to bus service in Durham and for related project management and administration expenses.</p>							
Project Profile							
Project Area	Direct or Indirect Beneficiaries	Key benefits (Transit Plan)	Transit Plan Section	Map of Area			
City of Durham							
Project Monitoring Details							
Capital Projects							
Quantitative Outcomes	**Please list up to 3 Quantitative metrics and 1 Qualitative						
1. Increased Ridership	2. Improved Mobility in Area		Qualitative	Improved Customer Satisfaction			
List any other relevant information not addressed.							
Project Costs may increase due to increasing construction costs. Project can complete design/engineering with requested funds							
Finance Estimates							
Revenue							
Tax Revenue	FY 19 and Prior	FY20	Funding to Date	FY21	FY22	FY23	Total
Durham County Tax Revenue	\$ -	\$ 500,000.00	\$ 500,000	-	-	-	500,000
Other Revenue							
Federal				\$ -			-
State							-
Other - City of Durham				\$ -			-
Subtotal Other	\$ -	\$ -	\$ -	-	-	-	-
TOTAL REVENUE	\$ -	\$ 500,000	\$ 500,000	-	-	-	500,000
Multi-Year Capital - Revenue Funding through FY 2021							
Revenue	Durham County Tax Revenue through FY 2020 (Funding to Date)			\$ 500,000			
Expenses	FY18 Reimbursement:			\$ -			
Expenses	FY19 Budgeted						
Net	Durham County Tax Revenue Available			\$ 1,500,000			
Project Request				\$ 1,500,000			
Balance Available for Future Request				\$ -			
Cost Break Down of Project Request							
CAPITAL COSTS	FY 19 and Prior	FY20	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation		\$ 500,000	\$ 1,500,000				\$ 2,000,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	\$ -	\$ 500,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 2,000,000
Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.							
<p>The City of Durham is requesting an increase in funding to establish a funding program to design and construct bus speed and reliability improvements. Many projects could be designed with existing staff resources.</p> <p>\$500,000 in FY20 for construction.</p> <p>Future year funding will be requested</p>							

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21DCIVP2			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	VP			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Electric Vehicle Acquisition	GoDurham	Pierre Owusu	Current Year	\$ 3,222,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>In anticipation of the update to the Durham County Transit Plan, additional expansion vehicles will be needed to provide new peak service. Purchase of electric buses is now our preferred option because the City of Durham adopted a resolution endorsing the development of a fundable action plan toward a road map to Carbon neutrality in City operations by 2040. The proposed vehicles will be deployed to new service to address crowded trips on the GoDurham system that reduce comfort, speed, and reliability of the system. Ordering in FY21 will ensure vehicles are delivered and additional charging infrastructure is in place upon implementation of expanded service.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	Durham County	* A Set of capital projects to improve the transit passengers' experience and service reliability.

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Improvement of passenger experience	Service reliability		Qualitative	
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	3,222,000	3,222,000	-	-	6,444,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	3,222,000	3,222,000	-	-	6,444,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment			\$ 200,350	\$ 200,350			\$ 400,700
Other (Describe)			\$ 3,021,650	\$ 3,021,650			\$ 6,043,300
TOTAL CAPITAL COSTS	-	-	3,222,000	3,222,000	-	-	6,444,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Estimated vehicle acquisition cost, based on recent electric bus purchase by the City of Durham, including infrastructure costs. Cost per vehicle is \$1,007,213.
 Additional charging stations (5) and infrastructure costs are estimated at \$400,680.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21DCICD1			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	DCI			
(Project Type)	CD			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
GoDurham CAD/AVL	GoDurham	Pierre Owusu	Current Year	\$ 1,500,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The project will cover the one-time cost associated with the purchase and installation of Computer-Aided Dispatch/Automated Vehicle Location (CAD/AVL) technology for GoDurham buses. The project request aligns with the recommendations of the Regional Technology Plan, which was developed by the regional partners to ensure that they would optimize future technology investments. The Plan includes a roadmap to ensure that technology improvements are:</p> <ul style="list-style-type: none"> • aligned with regional and agency goals and objectives • reflect best practices and industry trends • consider agency priorities and available resources, • identify synergies and opportunities to capture greater value, and • consider opportunities for early wins 				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
GoDurham	Durham City/County	1. Improve Customer Experience 2. Improve Transit Efficiency 3. Improve Bus Speed and Reliability

Project Monitoring Details

Quantitative and Qualitative Outcomes		**Please list up to 3 Quantitative metrics and 1 Qualitative	
Improvement of passenger experience			Qualitative 1) On Time Performance 2) Avg Maintenance Cost per Mile 3) Operational Cost per Hour

List any other relevant information not addressed.

The proposed solution includes 1) integration with daily operations to efficiently schedule work, 2) automated management of vehicles to effectively coordinate preventative maintenance and repair work, 3) continuous real-time data output for direct input into public-facing real-time passenger information systems (including Google Maps), 4) integration with real-time passenger information signs at Durham Station Transportation Center and 13 high-boarding locations, 5) real-time communication to riders about detours and system alerts, 6) real-time vehicle performance data to identify issues before they occur, and 7) creation and management of automated ADA-compliant announcements for passengers.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	1,500,000	-	-	-	1,500,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	1,500,000	-	-	-	1,500,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)			\$ 1,500,000				\$ 1,500,000
TOTAL CAPITAL COSTS	-	-	1,500,000	-	-	-	1,500,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Estimated Cost based on independent cost estimates and recent installations of similar size and scope at peer locations.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21DCICD2			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	DCI			
[Project Type]	CD			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Durham Station Landscaping	GoDurham	Pierre Owusu	Current Year	\$ 20,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Address muddy and unsightly areas on the Durham Station bus platform with select landscaping in advance of a larger feasibility study for longer-term improvements.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	Durham County	Improve Passenger Experience

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Improvement of passenger experience			Qualitative	
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	20,000	-	-	-	20,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	20,000	-	-	-	20,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)			\$ 20,000				\$ 20,000
TOTAL CAPITAL COSTS	-	-	20,000	-	-	-	20,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Cost estimate based on landscaping costs on two recent GoTriangle projects, assumes small scope of improvements.

GoTriangle - Durham
Summary of Project Requests

OPERATING

		Authorized Appropriation	Requested Appropriation
		FY20	FY21
Summary of Project Requests (Administration and Operations)			
21GOTAD1	Tax District Administration - Financial Oversight Staff		\$ 125,700
21GOTAD11	Tax District Administration - Financial Oversight - Support Services (D)		\$ 280,000
21GOTAD2	Transit Plan Administration - Program Management Staff		\$ 131,100
21GOTAD3	Transit Plan Administration - Project Implementation Staff		\$ 465,600
21GOTAD13	TPA - Transit Planning - Support Services		\$ 30,000
21GOTAD14	TPA -Performance Data Processing and Visualization Tool	\$ 75,000	\$ 117,900
21GOTAD4	TPA - Legal and Real Estate - Support Staff		\$ 391,800
21GOTAD5	TPA - Marketing , Communication and PE - Support Staff		\$ 189,700
21GOTAD12	TPA - Marketing, Communication and PE - Support Services		\$ 70,000
21GOTAD6	TPA - Regional Technology and Administration - Support Staff		\$ 72,700
18GOTAD10	Customer Surveys (GoTriangle and GoDurham)	\$ 74,235	\$ 100,000
20GOT_TS1	Route 700 Improvements	\$ 365,577	\$ 406,800
20GOT_TS2	Route 800 Improvements	\$ 422,915	\$ 381,200
20GOT_TS3	Route 400 Improvements	\$ 349,452	\$ 326,700
20GOT_TS5	Route ODX - Orange-Durham Express	\$ 157,210	\$ 178,500
20GOT_TS7	Route DRX Improvements	\$ 181,117	\$ 245,100
19GOT_TS8	Paratransit expansion	\$ 27,472	\$ 39,500
20GOT_TS9	Route 405 Improvements	\$ 33,675	\$ 20,600
21GOTO01	Youth Gopass		\$ 24,700
21GOTO02	Fare Collection Improvements (D)		\$ 22,500
19GOT_AD1 [Discontinued ID / revised by function]	.25 FTE for Tax District Admin	\$ 22,350	
20GOT_AD1 [Discontinued ID / revised by function]	.5 FTE for Sr. Financial Analyst	\$ 62,950	
20GOT_AD2 [Discontinued ID / revised by function]	Support Services	\$ 1,556,762	
20GOT_AD3 [Discontinued ID / revised by function]	Support - Consultant	\$ 111,250	
Total Operating Requests		\$ 3,439,966	\$ 3,494,400

CAPITAL

		Authorized Appropriation	Requested Appropriation
		FY20	FY21
Summary of Project Requests (Capital)			
19GOT_CD1	ERP System - Transit Plan	\$ 906,438	
19GOT_CD2	Commuter Rail Project Development	\$ 3,065,373	
20GOT_CD1	Light Rail Transit	\$ 2,347,472	
18GOT_CD2	Southpoint Transit Center	\$ 426,376	
18GOT_CD4	Patterson Place Improvements	\$ 183,000	
18GOTCD7	Bus Stop Improvements (Durham County)	\$ 257,000	\$ -
19GOT_CD1	RTC Facility Feasibility Study - Durham	\$ 125,000	
20GOTCD2	GoD (Better) Bus Stop Improvements	\$ 1,529,000	\$ 2,500,000
20GOTCD3	Tactical Transit Amenities	\$ 50,000	\$ 100,000
20GOT_CD4	Mobile Ticket Validators - Durham share	\$ 62,000	
20GOT_CD5	Phase1 GoDurham bus stop closeout (GoTriangle)	\$ 250,000	
21GOTVP1	Vehicle acquisition and replacement		\$ 1,445,000
21GOTCD1	Reimbursement of federal interest for real property		\$ 2,900,000
21GOTCD2	Priority Bus Stop Safety Improvements		\$ 1,000,000
21GOTCO1	Origin Destination Survey		\$ 500,000
21GOTCO2	Durham Bus Plan		\$ 312,500
21GOTCO3	Transit Facilities Study		\$ 975,000
Total Capital Requests		\$ 9,201,659	\$ 9,732,500
Total Requested		\$ 12,641,625	\$ 13,226,900

= New project request - (Highlight in Blue)

Total Operating (Agency)

Tax District Administration	\$85,300	\$405,700
Transit Plan Administration	\$1,817,247	\$1,568,800
Transit Operations	\$1,537,419	\$1,645,600

FY2021 Transit Plan Allocation

LESS: Total Requested	\$3,439,966	\$3,620,100
Transit Plan Allocation Remaining (shortfall)	3,439,965.86	3,620,100.00

Total Capital (Agency)

Transit Infrastructure	\$2,882,376	\$6,500,000
Vehicle Acquisition	\$0	\$1,445,000
BRT	\$0	\$0
LRT	\$2,347,472	\$0
CRT	\$3,065,373	\$0
Capital Planning	\$906,438	\$1,787,500

FY2021 Transit Plan Allocation

LESS: Total Requested	\$9,201,659	\$9,732,500
Transit Plan Allocation Remaining (shortfall)	9,201,659.00	9,732,500.00

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD1			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Tax District Administration - Financial Oversight Staff	GoTriangle	Saundra Freeman	Current Year	\$ 125,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		

Project Description

Enter below a summary of the project that may later be used for the Transit Work Plan.

NOTE: The project request is a continuation of on-going operating and consolidation of 19GOT_AD1 and 20GOT_AD1 submissions approved in FY20 Workplan

GoTriangle will continue to allocate 0.75 FTE of Tax District Administration - Financial oversight staff to the Durham Transit Plan. In FY21 the roles will continue improve financial policies, provide financial analysis for the new Transit plan development including the commuter rail project, and process quarterly reimbursements and reporting. The roles include:

Allocation of 1 FTE Sr. Financial Analyst position to continue financial modeling, analysis and financial oversight for the Durham and Orange Tax Districts. This FTE is budgetted 50% Durham and 50% Orange Transit Plans.

Allocation of 1 FTE of Adminstrative Assistant for the GoTriangle Finance Department's Durham, Orange and Wake Transit activities. This FTE is budgetted 50% Durham, 25%Orange

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

1 FTE Sr. Financial Analyst position to continue financial modeling, analysis and financial oversight for the Durham and Orange Tax Districts.

1 FTE of Adminstrative Assistant for the GoTriangle Finance Department's Durham, Orange and Wake Transit activities.

List any other relevant information not addressed.

Finance Estimates

Revenue

Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		125,700	128,800	132,000	135,300	521,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		125,700	128,800	132,000	135,300	521,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request

OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 125,700.00	\$ 128,800.00	\$ 132,000.00	\$ 135,300.00	\$ 521,800.00
Contracts			\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 125,700.00	\$ 128,800.00	\$ 132,000.00	\$ 135,300.00	\$ 521,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD11			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	011			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Tax District Administration - Financial Oversight - Support Services (D)	GoTriangle	Sandra Freeman	Current Year	\$ 280,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>NOTE: The project request is a continuation of on-going operating and consolidation finance and technology functions from 20GOT_AD2 and 20GOT_AD3 (financial consultants) submissions approved in FY20 Workplan</p> <p>GoTriangle will continue to allocate Financial support services to the Durham Transit Plan. In FY21 the budgets includes financial oversight expenditure ongoing support from Financial consultant to provide recommendation on new Transit plan development including commuter rail, financial policies (including debt issuance) and independent auditors.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

Existing services that continue for the Tax District administration include: Annual Financial reporting (CAFR), LGC compliance, budget amendments - ordinances, portfolio management of funds, processing and reporting quarterly reimbursements for three transit partners in Durham County.

List any other relevant information not addressed.

Finance Estimates

Revenue

Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		280,000	287,000	294,200	301,600	1,162,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		280,000	287,000	294,200	301,600	1,162,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request

OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 280,000.00	\$ 287,000.00	\$ 294,200.00	\$ 301,600.00	\$ 1,162,800.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 280,000.00	\$ 287,000.00	\$ 294,200.00	\$ 301,600.00	\$ 1,162,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD2			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Transit Plan Administration - Program Management Staff	GoTriangle	Katharine Eggleston	Current Year	\$ 131,100
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation Program Management functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan. FY21 request is updated to reflect anticipated program management responsibilities in the county.

GoTriangle will continue to allocate 0.5 FTE of GoTriangle program management staff to the Durham Transit Plan. In FY21, this staffing will provide oversight and program management support for GoTriangle's bus facilities and bus stop amenities planning and development programs, oversight and program management support for GoTriangle's efforts in support of the Durham Transit Plan update, and direct oversight and day-to-day management of the commuter rail program. Specific tasks includes oversight of project planning; oversight of project scope, schedule, and budget development and monitoring; oversight of quarterly reporting; and supervision of GoTriangle's planning and project delivery teams and commuter rail project staff and contractors.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

50% - Direct oversight and day-to-day management of the commuter rail project

25% - Oversight and program management support for GoTriangle's bus facilities and bus stop amenities planning and development programs

List any other relevant information not addressed.

Finance Estimates

Revenue

Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		131,100	134,000	137,000	140,000	542,100
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		131,100	134,000	137,000	140,000	542,100

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request

OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 131,100.00	\$ 134,000.00	\$ 137,000.00	\$ 140,000.00	\$ 542,100.00
Contracts			\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 131,100.00	\$ 134,000.00	\$ 137,000.00	\$ 140,000.00	\$ 542,100.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD3			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Transit Plan Administration - Project Implementation Staff	GoTriangle	Katharine Eggleston	Current Year	\$ 465,600
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation Project Implementation functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan. FY21 request is updated to reflect anticipated project implementation responsibilities in the county.

GoTriangle will continue to allocate 2.4 FTE for project implementation activities for the Durham Transit Plan. In FY21, this team will manage and execute planning, design, and construction management activities for GoTriangle's bus facilities and bus stop amenities programs; participate in capital planning, coordination, and support activities for the Durham Transit Plan update; and support development and execution of the commuter rail study. Specific tasks include but are not limited to project scope, schedule, and budget development and monitoring; quarterly reporting; and management of consultants and contractors. Planning tasks: planning/prioritization for bus stop and park-and-ride improvements; management and technical consultant oversight; environmental planning and coordination with regulatory agencies for federally funded projects; and consultant oversight and technical support for CRT station area planning, travel demand modeling, etc. Design/Engineering/Architecture tasks: field investigations, feasibility analysis, consultant oversight, and technical support for bus stop and park-and-ride improvements; design management, project coordination, and technical support for major facilities projects; feasibility analysis and implementation oversight for BOS; and design management and technical support for CRT. Construction Management tasks: project management, contractor oversight, and construction inspection. Project Coordination tasks: managing coordination with GoTriangle's partners; facilitating productive partnering; promoting schedule and budget adherence and fostering timely conflict resolution. Project Controls Support tasks: eBuilder administration; document management; contract administration; project controls support including budget and schedule monitoring, risk management support, and reporting.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

5% - reporting

45% - management and execution of technical, coordination, and support activities for the Durham Transit Plan update

50% - management and execution of planning, design, and construction management activities for GoTriangle capital projects in the Durham Transit Plan

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		465,600	477,000	489,000	501,000	1,932,600
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		465,600	477,000	489,000	501,000	1,932,600

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 465,600	\$ 477,000	\$ 489,000	\$ 501,000	\$ 1,932,600
Contracts			\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 465,600	\$ 477,000	\$ 489,000	\$ 501,000	\$ 1,932,600

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD13			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	013			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Transit Planning - Support Services	GoTriangle	Meg Scully	Current Year	\$ 30,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	On-Going	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Consolidation regional transit planning functions from 20GOT_AD3 (support consultants) submissions approved in FY20 Workplan

GoTriangle is requesting reimbursement for on-going support costs (including indirect costs) that benefit the Orange County Tax District. The Support Consultant costs are split 50% Durham and 50% Orange which include regional contracts - DCHC Annual Contract of \$25,625 and removal of the NCSU Transit Regional Model contracts of \$125,562.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

List any other relevant information not addressed.

Finance Estimates

Revenue

Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		30,000	30,800	31,600	32,400	124,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		30,000	30,800	31,600	32,400	124,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2019 and the estimated annualized cost in FY 2020 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2021 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2021 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request

OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -
Contracts		\$ 30,000.00	\$ 30,800.00	\$ 31,600.00	\$ 32,400.00	\$ 124,800.00
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 30,000.00	\$ 30,800.00	\$ 31,600.00	\$ 32,400.00	\$ 124,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Project cost assumes support costs up to FY24 and is expected to continue beyond this period.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD14			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	014			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA -Performance Data Processing and Visualization Tool	GoTriangle	Meg Scully	Current Year	\$ 117,900
Estimated Start Date	Estimated Completion	Notes		
		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>NOTE: The project request is a continuation of on-going operating and consolidation of 20GOT_AD4 submissions approved in FY20 Workplan with additional software</p> <p>GoTriangle and GoTriangle on behalf of GoDurham proposes to purchase and implement a bus service performance data processing and visualization tool that will enable staff to efficiently and effectively understand the bus performance data listed below that will aid ongoing transit plan funded studies, work plan requests, and the transit plan update itself. This tool would enable the following types of analysis:</p> <ul style="list-style-type: none"> -Bus speeds by route segment in addition to dwell times, allowing identification and prioritization of capital projects to improve bus speed and reliability -Bus run times by route segment and timepoint, enabling Service Planners and schedulers to more precisely schedule buses to adapt to travel conditions throughout different service windows throughout the day -Bus on-time performance by route and trip, enabling deeper transparency into GoTriangle and GoDurham's operating performance for staff and the public <p>All three analysis tools would be useful for both internal staff functions in addition to public-facing engagement. All three types of analysis tools would also be useful in evaluating the operating time and cost benefits of future potential major transit projects such as Bus Rapid Transit, Access improvements to Durham Station, and the Regional Transit Center Study. All three analysis tools would also be useful in producing and visualizing data for the Durham Transit Plan update.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The software will enable greater precision in developing bus schedules, enable data-driven decisions on capital infrastructure projects, allow greater transparency into transit service provider operations performance data.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		117,900	120,800	123,800	126,900	489,400
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		117,900	120,800	123,800	126,900	489,400

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2019 and the estimated annualized cost in FY 2020 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2021 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2021 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS		FY21	FY22	FY23	FY24	Total	
Growth Factors		2.50%	2.50%	2.50%	2.50%		
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	-
Contracts			\$ -	\$ -	\$ -	\$ -	-
Other Purchase of a Service		\$ 117,900.00	\$ 120,800.00	\$ 123,800.00	\$ 126,900.00	\$ 489,400.00	
Other (Describe)			\$ -	\$ -	\$ -	\$ -	-
Other (Describe)			\$ -	\$ -	\$ -	\$ -	-
TOTAL OPERATING COSTS		\$ 117,900.00	\$ 120,800.00	\$ 123,800.00	\$ 126,900.00	\$ 489,400.00	

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

\$75,000 one-year cost assigned to 2020 for April 2020-March 2021. \$76,875 assumed cost continues to escalate at 2.5% annually. Additionally: GoTriangle and GoTriangle on Behalf of GoDurham propose to procure an additional ridership data processing and visualization tool in FY21. \$40,000 year one cost.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD4			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	004			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Legal and Real Estate - Support Staff	GoTriangle	Thomas Henry / Gary Tober	Current Year	\$ 391,800
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation legal and real estate functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan

GoTriangle will continue to allocate 1.6 FTE of Legal and Real Estate - support staff to the Durham Transit Plan. Staffing includes budgeted time for Assistant General Counsel, Director of Real Estate and Facilities and Real Estate Administrator. In FY21 the Legal and Real Estate functions will continue :

- Greater Triangle Commuter Rail project, including cost-share negotiations and agreements, early risk-management work, development of agreement and approval matrices, legal templates, and early legal work related to host and operating railroads
- Interlocal Agreements related to Transit Plan administration
- Real estate management and FTA compliance activities for the GoTriangle properties located along the CRT corridor (10 total parcels, 3 project sites, estimated \$4 million*)
- Managing appraisals and potential disposition of properties acquired for the regional rail project and DOLRT
- Addressing miscellaneous matters related to GoTriangle's property interests in Durham County, including compliance with FTA requirements where applicable
- Assist with the management and strategic planning of regional park and ride program, proposed RTC relocation, and other infrastructure projects
- Other issues related to property acquisition, disposition, and management

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

Ongoing commitments on the litigation related to DOLRT; condemnation trials, condemnations appeals and new Transit plan development
Legal and real estate services related to the Durham Bus Stop project (an estimated 50+ stops), including, but not limited to, outreach, negotiations, and drafting and reviewing real estate agreements

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		391,800	401,600	411,600	421,900	1,626,900
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		391,800	401,600	411,600	421,900	1,626,900

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 391,800.00	\$ 401,600.00	\$ 411,600.00	\$ 421,900.00	\$ 1,626,900.00
Contracts			\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 391,800.00	\$ 401,600.00	\$ 411,600.00	\$ 421,900.00	\$ 1,626,900.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD5			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	005			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Marketing , Communication and PE - Support Staff	GoTriangle	Juan Carlos (jerikson@gotriangle.org)	Current Year	\$ 189,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>NOTE: The project request is a continuation of on-going operating: Specifically consolidation Marketing, Communication and Public Engagement functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan. The FY21 requests a additional 1 FTE in Durham to support the new Transit Plan development in addition to ongoing functions.</p> <p>GoTriangle is requesting funding for 1.5 FTEs that will be dedicated to public engagement. The Public Engagement Specialist will work under the Community Engagement Manager, in the Communications & Public Affairs department at GoTriangle, directly collaborating with project teams to plan and execute public involvement activities related to the development and implementation of the Durham County Transit Plan. They will support the establishment and maintenance of relationships with community stakeholders that include public officials, strategic partners, community groups, property owners and businesses.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The new position will be primarily responsible for the development and implementation of comprehensive and culturally competent communications and public relations strategies, spending the majority of their time developing strong and positive community relations through presentations, pop-up events, public meetings, participation in festivals, and connections with sustained relationships with community groups. Additionally, the Public Engagement Specialist will organize and support GoTriangle's Transit Advisory Committee, manage consultants in support of project objectives, track and analyze data via online engagement tools, manage GoTriangle Ambassadors program, and produce public-facing reports on their work.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		189,700	194,500	199,400	204,400	788,000
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		189,700	194,500	199,400	204,400	788,000

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 189,700.00	\$ 194,500.00	\$ 199,400.00	\$ 204,400.00	\$ 788,000.00
Contracts			\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 189,700.00	\$ 194,500.00	\$ 199,400.00	\$ 204,400.00	\$ 788,000.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD12			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	012			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Marketing, Communication and PE - Support Services	GoTriangle	Juan Carlos (jerikson@gotriangle.org)	Current Year	\$ 70,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>NOTE: The project request is a continuation of on-going operating: Specifically consolidation Marketing, Communication and Public Engagement functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan</p> <p>GoTriangle is requesting funds for support services that will be used for marketing, communications and public engagement related to the Durham County Transit Plan. Funding will also support capacity to utilize creative consultant services, or expand the scope of service through current consultants, to support materials for community outreach, public meetings, marketing campaigns, information kits, web elements, translation and interpretation, etc.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The major function of this project will be to improve the community's understanding and awareness of the Durham Transit plan and the services that it provides, such as expanded bus service, Youth GoPass, and Major Capital Investments. This funding also supports the creation of equitable opportunities for community engagement in the public input process. This includes but is not limited to the collection of feedback from a wide range of stakeholders to help shape the county's investments in new transit services, the creation of factsheets, brochures, bus placards, signs, web graphics, website hosting, advertising, printing, special events, advanced PowerPoints, dashboard graphics, marketing campaigns and materials, website activities and responsibilities, etc.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		70,000	71,800	73,600	75,500	290,900
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		70,000	71,800	73,600	75,500	290,900

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY21	FY22	FY23	FY24	Total	
Growth Factors		2.50%	2.50%	2.50%	2.50%		
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	
Contracts			\$ -	\$ -	\$ -	\$ -	
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	
Other (Describe)	Support Services	\$ 70,000.00	\$ 71,800.00	\$ 73,600.00	\$ 75,500.00	\$ 290,900.00	
Other (Describe)			\$ -	\$ -	\$ -	\$ -	
TOTAL OPERATING COSTS		\$ 70,000.00	\$ 71,800.00	\$ 73,600.00	\$ 75,500.00	\$ 290,900.00	

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD6			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	006			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Regional Technology and Administration - Support Staff	GoTriangle	Saundra Freeman	Current Year	\$ 72,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation technology and contract administration functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan

GoTriangle will continue to allocate 0.4 FTE of Regional Technology and Administration - support staff to the Durham Transit Plan. Staffing includes budgeted time for the Regional Technology Manager, Contract and Grants Coordinator and Contract Administrator. In FY21 the Technology and Administration functions will continue :

- Proposed continuation of the outcomes of the Regional Technology study that assess existing technology within all participating transit agencies, in order to design a coordinated technology integration plan. One such outcome is the mobile-ticketing transition that will be in the process of implementation.
- Contract and Grant management services - including procurement, contract administration, grant allocations, etc
- Assist with the strategic capital improvement of regional park and ride program, proposed RTC relocation, and other infrastructure projects

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The Regional Technology Project Manager will manage the implementation of the coordinated technology integration plan as part of the annual workplan development process. After implementation, the Project Manager will provide on-going technical support for data updates, required system upgrades, maintenance. A portion of their time will be allocated to Durham, Orange and Wake.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		72,700	74,500	76,400	78,300	301,900
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		72,700	74,500	76,400	78,300	301,900

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS		FY21	FY22	FY23	FY24	Total	
Growth Factors		2.50%	2.50%	2.50%	2.50%		
Salary & Fringes		\$ 72,700.00	\$ 74,500.00	\$ 76,400.00	\$ 78,300.00	\$ 301,900.00	
Contracts			\$ -	\$ -	\$ -	\$ -	
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	
Other (Describe)			\$ -	\$ -	\$ -	\$ -	
Other (Describe)			\$ -	\$ -	\$ -	\$ -	
TOTAL OPERATING COSTS		\$ 72,700.00	\$ 74,500.00	\$ 76,400.00	\$ 78,300.00	\$ 301,900.00	

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
18GOTAD10			FY 2021	
Unique Request ID: [FY Project Start year]	18			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	010			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Customer Surveys (GoTriangle and GoDurham)	GoTriangle	Juan Carlos Erikson (jerikson@gotriangle.org)	Current Year	\$ 100,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018		(Add notes as appropriate)		

Project Description

Enter below a summary of the project that may later be used for the Transit Work Plan.

GoTriangle will use these funds to continue the development and implementation of annual transit customer surveys that help to continually evaluate user experiences as additional services are implemented. For All GoDurham and applicable share of GoTriangle Regional Routes surveyed include the 700, 800, 880S, 805, DRX, and the ODX.

This year the GoDurham is more in FY21 because it's their turn to have a RoutexRoute survey which is much more expensive than a normal survey.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

Results from the customer surveys will be shared with partners upon completion. They will also be used as a benchmark in the coming years as additional improvements are implemented.

List any other relevant information not addressed.

Finance Estimates

Revenue

Tax Revenue	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	100,000	102,500	105,100	107,700	415,300
Other Revenue					
Federal -					-
State					-
Other:					-
Subtotal Other	-	-	-	-	-
TOTAL REVENUE	100,000	102,500	105,100	107,700	415,300

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request

OPERATING COSTS	FY21	FY22	FY23	FY24	Total
Growth Factors	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service	\$ 100,000.00	\$ 102,500.00	\$ 105,100.00	\$ 107,700.00	\$ 415,300.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 100,000.00	\$ 102,500.00	\$ 105,100.00	\$ 107,700.00	\$ 415,300.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS1			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	GOT			
(Project Type)	TS			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 700 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 406,800
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description		Enter below a summary of the project that may later be used for the Transit Work Plan.		
<p>This project consolidates all off-peak span and frequency improvements to GoTriangle Route 700 (Durham - RTC) since the Tax District began providing funding for it.</p> <p>On Route 700:</p> <ul style="list-style-type: none"> - Weekday midday frequency was increased from 60 to 30 minutes. - Saturday daytime frequency was increased from 60 to 30 minutes. - Saturday evening service was extended from 7 PM to 10:55 PM. - Sunday service was added from 7 AM to 7 PM. It also includes former 19GOT_TS1 extending service to 11 PM (the 700 component). 				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
NC-147 and I-40 between Durham Station and Regional Transit Center	People traveling between Durham, RTP, and Raleigh at off-peak times	More options for travel times

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 6:00 AM - 10:55 PM, Sat: 6:05 AM - 10:55 PM, Sun: 7:05 AM - 8:55 PM
c) Frequency	Every 30 or 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Regional Transit Center - Durham Station
f) Major Market Destinations Served	Downtown Durham
g) Revenue Hours	From project: 6.17 on Weekdays; 14.75 on Saturdays; Sun: 13.83 on Sundays

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		396,790	406,800	416,900	427,400	438,000	2,085,890
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		396,790	406,800	416,900	427,400	438,000	2,085,890

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		3,124.33	3,121.57	3,121.57	3,121.57	3,121.57	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 396,789.91	\$ 406,800.00	\$ 416,900.00	\$ 427,400.00	\$ 438,000.00	\$ 2,085,889.91
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 396,789.91	\$ 406,800.00	\$ 416,900.00	\$ 427,400.00	\$ 438,000.00	\$ 2,085,889.91
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 396,789.91	\$ 406,800.00	\$ 416,900.00	\$ 427,400.00	\$ 438,000.00	\$ 2,085,889.91

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS2			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	TS			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 800 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 381,200
	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>This project consolidates all off-peak span and frequency improvements to GoTriangle Route 800 (Chapel Hill - Southpoint - RTC) since the Tax District began providing funding for it. On Route 800:</p> <ul style="list-style-type: none"> - Weekday midday frequency was increased from 60 to 30 minutes. - Saturday daytime frequency was increased from 60 to 30 minutes. - Saturday evening service was extended from 7:15 PM to 11:20 PM. - Sunday service was added from 6:45 AM to 7:20 PM. - It also includes former 19GOT_TS1 extending service to 9:20 PM (the 800 component) and 18GOT_TS4 adding additional trips (800S). <p>Costs are allocated 50% to Durham County and 50% to Orange.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
NC-54 and I-40 between UNC Hospitals and Regional Transit Center	People traveling between Chapel Hill, Southpoint, RTP, and Raleigh at off-peak times	More options for travel times

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 6:00 AM - 11:10 PM, Sat: 6:50 AM - 11:20 PM, Sun: 6:50 AM - 9:10 PM
c) Frequency	Every 15, 30 or 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	UNC Hospitals - Regional Transit Center
f) Major Market Destinations Served	UNC Chapel Hill, The Streets at Southpoint, RTP
g) Revenue Hours	From project: 15.44 on weekdays; 16.42 on Saturdays; 18.33 on Sundays.

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		437,168	381,200	390,700	400,500	410,500	2,020,068
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		437,168	381,200	390,700	400,500	410,500	2,020,068

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		3,442.27	2,925.14	2,925.14	2,925.14	2,925.14	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 437,168.29	\$ 381,200.00	\$ 390,700.00	\$ 400,500.00	\$ 410,500.00	\$ 2,020,068.29
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 437,168.29	\$ 381,200.00	\$ 390,700.00	\$ 400,500.00	\$ 410,500.00	\$ 2,020,068.29
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 437,168.29	\$ 381,200.00	\$ 390,700.00	\$ 400,500.00	\$ 410,500.00	\$ 2,020,068.29

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS3			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	GOT			
(Project Type)	TS			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 400 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 326,700
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>This project consolidates all off-peak span and frequency improvements to GoTriangle Route 400 (Durham - Chapel Hill) since the Tax District began providing funding for it. On Route 400:</p> <ul style="list-style-type: none"> - Weekday midday frequency was increased from 60 to 30 minutes. - Saturday daytime frequency was increased from 60 to 30 minutes. - Saturday evening service was extended from 6:55 PM to 10:55 PM. - Sunday service was added from 7:00 AM to 6:55 PM. - It also includes former 19GOT_TS1 extending service to 9:20 PM (the 800 component). <p>Costs are allocated 50% to Durham County and 50% to Orange.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Erwin Rd, US-15/501, and Franklin St between Durham Station and UNC Hospitals.	People traveling between Durham and Chapel Hill at off-peak times	More options for travel times

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 6:15 AM - 10:55 PM, Sat: 7:00 AM - 10:55 PM, Sun: 7:00 AM - 8:55 PM
c) Frequency	Every 30 or 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Durham Station - UNC Hospitals
f) Major Market Destinations Served	UNC Chapel Hill, Patterson Place, Duke & VA Medical Centers
g) Revenue Hours	From project: 10.03 on weekdays; 23.58 on Saturdays; 22.25 on Sundays

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		343,632	326,700	334,900	343,200	351,800	1,700,232
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		343,632	326,700	334,900	343,200	351,800	1,700,232

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		2,705.76	2,507.13	2,507.13	2,507.13	2,507.13	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 343,631.52	\$ 326,700.00	\$ 334,900.00	\$ 343,200.00	\$ 351,800.00	\$ 1,700,231.52
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 343,631.52	\$ 326,700.00	\$ 334,900.00	\$ 343,200.00	\$ 351,800.00	\$ 1,700,231.52
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 343,631.52	\$ 326,700.00	\$ 334,900.00	\$ 343,200.00	\$ 351,800.00	\$ 1,700,231.52

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TSS			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	TS			
[Unique Number]	005			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route ODX - Orange-Durham Express	GoTriangle	Erik Landfried	Current Year	\$ 178,500
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>A new Orange-Durham Express route was implemented, linking Mebane, Efland, and Hillsborough in Orange County to the Duke & VA Medical Centers and downtown Durham during weekday peak hours.</p> <p>Costs are allocated 50% to Durham County and 50% to Orange.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
I-85, I-40, US-70, and NC-147 between the Orange County line and downtown Durham	People traveling between Orange County and Durham at peak times	Ability to Park-and-Ride to major employers in Durham, plus reverse commute access for Durham residents to Orange County employers

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 5:45 AM - 8:55 AM and 4:00 PM - 7:10 PM
c) Frequency	Every 15 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Efland-Cheeks Community Center - Durham Station
f) Major Market Destinations Served	Mebane Cone Health P&R, Durham Tech OCC, Downtown Hillsborough, Duke & VA Medical Centers, Downtown Durham
g) Revenue Hours	Weekday: 10.83 (all from this project)

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		168,688	178,500	183,000	187,600	192,300	910,088
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		168,688	178,500	183,000	187,600	192,300	910,088

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		1,328.25	1,370.00	1,370.00	1,370.00	1,370.00	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 168,687.75	\$ 178,500.00	\$ 183,000.00	\$ 187,600.00	\$ 192,300.00	\$ 910,087.75
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 168,687.75	\$ 178,500.00	\$ 183,000.00	\$ 187,600.00	\$ 192,300.00	\$ 910,087.75
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 168,687.75	\$ 178,500.00	\$ 183,000.00	\$ 187,600.00	\$ 192,300.00	\$ 910,087.75

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS7			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	TS			
[Unique Number]	007			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route DRX Improvements	GoTriangle	Erik Landfried	Current Year	\$ 245,100
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description				
Enter below a summary of the project that may later be used for the Transit Work Plan.				
Due to high demand for express service between Durham and Raleigh, additional trips were added to Route DRX (Durham - Raleigh Express).				
This project was originally charged 100% to Durham County, but 50% is charged to Wake County since FY 2019 work plan. It includes former project ID 19GOT_TS2 DRX-Additional Frequency.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
NC-147 and I-40 between Duke & VA Medical Centers and downtown Raleigh	People traveling between Durham and Raleigh at peak times	More options for trip times, and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 5:50 AM - 9:50 AM and 3:10 PM - 8:10 PM
c) Frequency	Every 20 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Duke & VA Medical Centers - GoRaleigh Station
f) Major Market Destinations Served	Downtown Durham, NC State University, Downtown Raleigh
g) Revenue Hours	From project: 14.15 on weekdays.

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		241,490	245,100	251,200	257,500	263,900	1,259,190
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		241,490	245,100	251,200	257,500	263,900	1,259,190

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		1,901.49	1,880.55	1,880.55	1,880.55	1,880.55	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 241,489.55	\$ 245,100.00	\$ 251,200.00	\$ 257,500.00	\$ 263,900.00	\$ 1,259,189.55
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 241,489.55	\$ 245,100.00	\$ 251,200.00	\$ 257,500.00	\$ 263,900.00	\$ 1,259,189.55
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 241,489.55	\$ 245,100.00	\$ 251,200.00	\$ 257,500.00	\$ 263,900.00	\$ 1,259,189.55

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
19GOT_TS8			FY 2021	
Unique Request ID: (FY Project Start year)	19			
(Three letter Agency)	GOT			
(Project Type)	TS			
(Unique Number)	008			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Paratransit expansion	GoTriangle	Erik Landfried	Current Year	\$ 39,500
Estimated Start Date	Estimated Completion	Notes		
Implemented, some addition starting August	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Due to span increases on Saturday, Sundays and holidays for Routes 400, 700, and 800, there are additional ADA paratransit costs incurred. These costs are split 64% to Durham County and 36% to Orange County.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham and Orange Counties	ADA paratransit customers within 3/4 mile of Routes 400, 700, and 800	Federally required access for persons with disabilities

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented w/exception of Sunday span increase from 7-9pm and new holiday service
b) Span	Sat: 9:00PM - 11:00 PM, Sun/holiday: 7:00 AM - 9:00 PM
c) Frequency	Every 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	3/4 mile of Routes 400, 700, 800
f) Major Market Destinations Served	Durham and Orange Counties
g) Revenue Hours	n/a

Finance Estimates

Revenue

Tax Revenue	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	37,417	38,500	39,500	40,500	41,600	197,517
Other Revenue						
Federal						-
State						-
Farebox/State						-
Subtotal Other	-	-	-	-	-	-
TOTAL REVENUE	37,417	38,500	39,500	40,500	41,600	197,517

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request

OPERATING COSTS	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours	259.84	259.84	259.84	259.84	259.84	
Cost per Hour	\$ 144.00	\$ 148.00	\$ 152.00	\$ 156.00	\$ 160.00	
Estimated Operating Cost	\$ 37,417.22	\$ 38,500.00	\$ 39,500.00	\$ 40,500.00	\$ 41,600.00	\$ 197,517.22
Bus Leases		\$ -	\$ -	\$ -	\$ -	\$ -
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal: Bus Operations	\$ 37,417.22	\$ 38,500.00	\$ 39,500.00	\$ 40,500.00	\$ 41,600.00	\$ 197,517.22
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 37,417.22	\$ 38,500.00	\$ 39,500.00	\$ 40,500.00	\$ 41,600.00	\$ 197,517.22

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Estimated hours is based on budgeted paratransit hours related to span increases for FY18 budget plus an assumption of 25% of the fixed route costs to provide additional Sunday span (7 to 9pm) and new holiday service.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS9			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	TS			
[Unique Number]	009			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 405 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 20,600
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description		Enter below a summary of the project that may later be used for the Transit Work Plan.		
<p>Due to high demand for express service between Durham and Chapel Hill, additional trips were added to Route 405.</p> <p>This project is charged 50% to Durham County and 50% to Orange County.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
US 15-501 corridor between Durham Station/Duke University and Chapel Hill/Carrboro	People traveling between Durham and Chapel Hill at peak times	More options for trip times, and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 5:45 AM - 9:50 AM and 3:10 PM - 7:20 PM
c) Frequency	Every 30 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Durham Station - Carrboro/UNC Hospitals
f) Major Market Destinations Served	Downtown Durham, Durke University, Chapel Hill, Carrboro
g) Revenue Hours	From project: 1,25 rev/h

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		38,397	20,600	21,100	21,600	22,200	123,897
Other Revenue							
Federal							-
State							-
Farebox/State							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		38,397	20,600	21,100	21,600	22,200	123,897

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		302.34	158.13	158.13	158.13	158.13	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 38,397.18	\$ 20,600.00	\$ 21,100.00	\$ 21,600.00	\$ 22,200.00	\$ 123,897.18
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 38,397.18	\$ 20,600.00	\$ 21,100.00	\$ 21,600.00	\$ 22,200.00	\$ 123,897.18
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 38,397.18	\$ 20,600.00	\$ 21,100.00	\$ 21,600.00	\$ 22,200.00	\$ 123,897.18

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

The cost had not been split between counties.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21GOT001			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	00			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Youth Gopass	GoTriangle	Eric Bergstraesser	Current Year	\$ 24,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>For youth ages 13-18, transit agencies across Durham, Wake and Orange County will continue to offer a 'Youth GoPass' program. These fare passes are issued by GoTriangle, GoDurham, GoRaleigh, or GoCary with valid K-12 School ID Cards, or with transit agency issued identification cards. GoTriangle, GoDurham GoRaleigh, GoCary, and , in partnership with the respective County's, will continue to work with schools along triangle County's bus network to issue the passes. Passes will also continue to be available to those with a valid ID at GoDurham Station, GoRaleigh Station, the Town of Cary Finance Department, the GoTriangle Regional Transportation Center, public libraries, and regional centers. This project covers the cost of offsetting fares that would have been collected by GoTriangle in the county share of routes, in addition to purchasing the supplies needed for this program. The estimated cost is allocation of GoTriangle- Durham share of Youth GoPass boardings in Durham County</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Regional - Durham Share	For youth ages 13-18	Provides Transit access to the next generation of Transit riders.

Project Monitoring Details

Operating Projects

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		24,700	25,300	25,900	26,500	102,400
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		24,700	25,300	25,900	26,500	102,400

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 24,700.00	\$ 25,300.00	\$ 25,900.00	\$ 26,500.00	\$ 102,400.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 24,700.00	\$ 25,300.00	\$ 25,900.00	\$ 26,500.00	\$ 102,400.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Route	Fer Boarding	CY2019 Actual	CY2019 Cost	FY2021 Proj.	FY2021 Cost
400	\$0.50	4,153	\$2,076.50	7,051	\$3,525.50
405	\$0.50	1,873	\$936.50	2,851	\$1,425.50
700	\$1.00	6,684	\$6,684.00	7,860	\$7,860.00
800	\$0.50	5,389	\$2,694.00	8,490	\$4,245.00
805	\$0.50	11,576	\$5,788.00	11,576	\$5,788.00
ORX	\$0.625	924	\$577.50	924	\$577.50
Sub:		30,598	\$18,756.50	38,752	\$23,421.50
DRX	\$0.625	1,460	\$912.50	2,842	\$1,776.25
Total		32,058	\$19,669.00	40,794	\$25,197.75

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21GOTO02			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	00			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Fare Collection Improvements (D)	GoTriangle	Eric Bergstraesser	Current Year	\$ 22,500
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
This project will cover the annual costs associated with updated mobile ticketing technology for GoTriangle buses. Share of cost based on FY19 boardings reported in Durham County.				
This project request also allocates a portion of hold harmless against any reduction of fare revenue as a result of implementing this uniform fare strategy. The regional fare-working groups priorities include (1) Improving Pass Distribution and Sales; (2) Balance Revenue and Ridership Goals; (3) Improve the Passenger Experience; (4) Improve Regional Coordination; (5) Make Transit an Affordable Option; and (6) Explore New Fare Technologies. These earmarked funds will be estimated and will be dependent on the final methodology developed by a Fare Working Group.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Regional - Durham Share	Durham, Orange and Wake County	To improve the transit passengers' experience.

Project Monitoring Details

Operating Projects

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		22,500	23,100	23,700	24,300	93,600
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		22,500	23,100	23,700	24,300	93,600

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ 22,500.00	\$ 23,100.00	\$ 23,700.00	\$ 24,300.00	\$ 93,600.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 22,500.00	\$ 23,100.00	\$ 23,700.00	\$ 24,300.00	\$ 93,600.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Durham Share of GoTriangle boardings in FY19 was 537,793 and informed the estimated share of Mobile Ticketing Transaction fee of \$15,000 and hold harmless proposed estimate for FY21 of \$7,500 and will be refined based on uniform fare policy across the region.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18GOTCD7			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	GOT			
(Project Type)	CD			
(Unique Number)	007			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Bus Stop Improvements (Durham County)	GoTriangle	Jay Heikes	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
July 1, 2019	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Builds on FY20 Project to design and construct 5 bus stops. Add 10 additional bus stops to get better rate on design and construction bid packages. Total of 15 GoTriangle stops. Will also benefit GoDurham stops as almost all GoTriangle Stops in Durham County also serve GoDurham.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
City and County of Durham	Durham Residents and Visitors	Improved Bus Stop Amenities

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Increased Ridership	Improved Mobility in Area	Increased Pedestrian Activity	Qualitative	Improved Customer Satisfaction
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 and Prior	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		257,000	-	-	-	-	-
Other Revenue							
Federal							-
State							-
Other: City of Durham							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	257,000	-	-	-	-	-

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 and prior	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering			\$ 150,000				\$ 150,000
Construction - Implementation			\$ 600,000				\$ 600,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	750,000	-	-	-	750,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Design: \$10,000 per stop
Construction: \$40,000 per stop

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
20GOTCD2			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	GOT			
(Project Type)	CD			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
GoD (Better) Bus Stop Improvements	GoTriangle for GoDurham	Jay Heikes	Current Year	\$ 2,500,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Builds on FY20 Amendment to add 1,029,000 to expedite purchase of amenities and construct 10 bus stops. Construct 50 additional stop improvements in FY21 (10 funded in FY20) and every year to FY24 at \$40,000 / stop (escalated at 4% / yr). Design 50 additional stop improvements in FY21 and every year to FY24 at \$10,000 / stop (escalated at 4% / yr)				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
City of Durham	Durham Residents and Visitors	Improved Bus Stop Amenities

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Increased Ridership	Improved Mobility in Area	Increased Pedestrian Activity	Qualitative	Improved Customer Satisfaction
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 and Prior	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	783,570	1,529,000	2,500,000	2,600,000	2,704,000	2,812,100	12,145,100
Other Revenue							
Federal							-
State							-
Other: City of Durham	\$ 736,328						-
Subtotal Other	736,328	-	-	-	-	-	-
TOTAL REVENUE	1,519,898	1,529,000	2,500,000	2,600,000	2,704,000	2,812,100	12,145,100

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering	\$ -	\$ 500,000	\$ 500,000	\$ 520,000	\$ 540,800	\$ 562,400	\$ 2,623,200
Construction - Implementation	\$ -	\$ 1,029,000	\$ 2,000,000	\$ 2,080,000	\$ 2,163,200	\$ 2,249,700	\$ 9,521,900
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	1,529,000	2,500,000	2,600,000	2,704,000	2,812,100	12,145,100

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Phase 1 expenses FY19 and prior not considered part of overall authorized budget as already appropriated under 18DCI_CD04.
 Design @ \$10,000 / stop
 Construction @ \$40,000 / stop
 Escalation at 4% / year. Matches Wake Transit Plan.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
20GOTCD3			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	GOT			
(Project Type)	CD			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Tactical Transit Amenities	GoTriangle for GoDurham	Gary Tober	Current Year	\$ 100,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Purchase and Installation of Simmer Seats (\$1,200 ea.) and Solar Light Poles (\$2,300 ea.). We do not have locations identified at this time. If approved, GoTriangle will establish an inventory of amenities that can quickly be deployed as customer requests, or requests from staff or others are received. \$100,000 requested in FY21</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham City / County	City of Durham, Durham County, Citizens in Durham County, GoDurham and GoTriangle customers	* A Set of capital projects to improve the transit passengers' experience.

Project Monitoring Details

Quantitative and Qualitative Outcomes		**Please list up to 3 Quantitative metrics and 1 Qualitative	
Number of Simmie Seats / Solar Lights Installed	Number of customer requests for seating and/or lighting addressed.		Qualitative Improve customer satisfaction by providing quick responses to requests for seating and lighting at bus stops.

List any other relevant information not addressed.

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Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	50,000	100,000	-	-	-	150,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	50,000	100,000	-	-	-	150,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation		\$ 50,000	\$ 100,000				\$ 150,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	50,000	100,000	-	-	-	150,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOTVP1			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	VP			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Vehicle acquisition and replacement	GoTriangle	Eric Bergstraesser	Current Year	\$ 1,445,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>GoTriangle implemented a level buying bus acquisition strategy that will replace 1/12th of the fleet per year. The strategy includes approximately 10 vehicle re-powers (per-year) with an ultimate goal of having a fleet average age of 6 years. Previous Adopted Transit Plans have allocated \$2.3M for a combination of New and Replacement buses. Based on current knowledge of the GoTriangle fleet size starting in FY21, there is an urgent need to replace expansion service provided in the County since 2013. The addition to Transit funded routes have added to the wear and tear of the current fleet at a very accelerated rate. The proposed strategy will allow GoTriangle to maintain the current fleet size with meeting the goal of reliable transportation for the residents within the County. GoTriangle anticipates approximately \$2.8M is expected to be available entering FY21 and would utilize those funds before a new funding request to new Durham Transit Plan. Based on early estimation that request would occur in FY23. The Board Adopted Bus Plan allocated funds of ~15.8M for GoTriangle from FY21 to FY27. This strategy changes the allocation of a 100% funding for "new buses" and a smaller % for replacement buses GoTriangle created a calculation based on the breakdown of (GoTriangle) mileage by Durham and Non-Durham mileage based on the current Transit Bus Plan and the expected Route sponsors are listed below. If new routes/services (packages) are assigned in the County to GoTriangle additional Buses might be needed to be purchased and an additional project sheet might be submitted in a subsequent year. Since this allocation is based on the Adopted Multiyear Bus Plan it includes the expectation of CRT services occurring beyond FY27 which impact the FY27 mileage allocation.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Regional - Durham Share	Durham, Orange and Wake County	* A Set of capital projects to improve the transit passengers' experience and service reliability.

Project Monitoring Details

Quantitative and Qualitative Outcomes		**Please list up to 3 Quantitative metrics and 1 Qualitative	
Improvement of passenger experience	Service reliability		Qualitative

List any other relevant information not addressed.

<p>Miles Breakout based on Durham Transit Bus Plan</p> <p>Expected Miles (Durham) - FY21 (32%) - Expected Miles (Non-Durham) - FY21 (68%)</p> <p>Expected Miles (Durham) - FY22 (33%) - Expected Miles (Non-Durham) - FY22 (68%)</p> <p>Expected Miles (Durham) - FY23 (30%) - Expected Miles (Non-Durham) - FY23 (70%)</p> <p>Expected Miles (Durham) - FY24 (30%) - Expected Miles (Non-Durham) - FY24 (70%)</p> <p>Expected Miles (Durham) - FY25 (30%) - Expected Miles (Non-Durham) - FY25 (70%)</p> <p>Expected Miles (Durham) - FY26 (30%) - Expected Miles (Non-Durham) - FY26 (70%)</p> <p>Expected Miles (Durham) - FY27 (30%) - Expected Miles (Non-Durham) - FY27 (70%)</p>

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	1,445,000	1,445,000	-	-	2,890,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	1,445,000	1,445,000	-	-	2,890,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)			\$ 1,445,000	\$ 1,445,000			\$ 2,890,000
TOTAL CAPITAL COSTS	-	-	1,445,000	1,445,000	-	-	2,890,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Estimated Vehicle acquisition share based on level buying program distributed proportionately on vehicle miles in each county. By FY21, GoTriangle would have provided an estimated 1,128,406 expansion vehicle miles in Durham County

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOTCD1			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	CD			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Reimbursement of federal interest for real property	GoTriangle	Gary Tober	Current Year	\$ 2,900,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description		Enter below a summary of the project that may later be used for the Transit Work Plan.		
<p>GoTriangle owns three separate sites (10 total parcels) in Durham located along the Greater Triangle Commuter Rail project corridor. These properties were acquired in 2004 and 2005 as part of a regional rail project that did not advance to a full funding grant agreement. Until recently, the Federal Transit Administration allowed GoTriangle to retain these properties for CRT and D-O LRT. However, the FTA is now requesting that the federal interest in the properties be returned. Under FTA guidelines, GoTriangle must reimburse 55.7% of either the purchase price or the appraised value, whichever is greater.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
<p>1) 1.83 acres located at the corner of W. Chapel Hill Street and South Duke Street</p> <p>2) 2.3 acres at the corner of S. Alston Ave. and E. Pettigrew St.</p> <p>3) 21.72 acres located at 2500 Ellis Road, Durham</p>	<p>Buying out the federal interest will secure these properties for future transit use and will serve residents and visitors Durham.</p>	<p>1. The property at Duke and Chapel Hill St. is adjacent to Durham Station and along the proposed CRT corridor. The site could also be utilized for potential joint development opportunities. 2. Similarly, the property at Alston and Pettigrew is located along the CRT corridor. This site could temporarily be utilized for transit amenity storage to serve GoTriangle and GoDurham. Ultimately, the property is a possible CRT station location and joint development project. 3. The property on Ellis Road is also located along the CRT corridor and potentially a station location or maintenance facility.</p>

Project Monitoring Details

List any other relevant information not addressed.

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Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	2,900,000	-	-	-	2,900,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	2,900,000	-	-	-	2,900,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way			\$ 2,900,000				\$ 2,900,000
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	2,900,000	-	-	-	2,900,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOTCD2			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	CD			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Priority Bus Stop Safety Improvements	GoTriangle	Jay Heikes	Current Year	\$ 1,000,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Design and Construction of improvements to GoTriangle bus stops serving a high volume of passengers located on high-speed NCDOT roadways. Improvements could include, but are not limited to, construction of bus stop ADA pads, shelters, benches, bus pullouts and appropriate tapers, sidewalk, curb and gutter, curb ramps, crosswalks, pedestrian median refuge islands, appropriate safety signage, pedestrian signal heads and complimentary traffic signal modifications, and other complimentary or supporting roadway modifications.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	Transit riders at high volume, high safety risk stops	1. Improve Passenger Safety 2. Improve Operations Safety 3. Improve Passenger Experience

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Reduced Rider Complaints at high safety risk stops	Improved Customer Satisfaction		Qualitative	Improve Passenger Experience
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	1,000,000	-	-	-	1,000,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	1,000,000	-	-	-	1,000,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies			\$ 1,000,000				\$ 1,000,000
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	1,000,000	-	-	-	1,000,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOTC01			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	CO			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Origin Destination Survey	GoTriangle	Jay Heikes	Current Year	\$ 500,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Tablet Based Transit-On-Board Origin-Destination Survey to record transit travel behavior and produce data available for analysis about transit travel markets. This information is an essential input into both the Triangle Regional Model and FTA's Simplified Trips on Project Software. All projects in CIG rely on this data. All projects that receive state funding also rely on this data. This last transit-on-board survey was conducted in 2014 in Orange and Durham and in 2015 for Wake. The FY21 Wake County Transit Plan has funding to conduct surveys for all Wake County Transit agencies in Fall of 2020. FTA and industry best practice is to conduct a regional survey at a single point in time. Doing so will allow for more timely and less costly post-processing than if studies were conducted in different time windows and by different vendors. This funding is essential to create a single, up-to-date regional transit-on-board origin-destination survey.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	All existing and future transit riders	1. Up-to-date Data necessary for Service and Capital Planning 2. Enable data-driven decisions on future transit plan investments

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

			Qualitative	Improve data quality for decision making
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List any other relevant information not addressed.

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Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	500,000	-	-	-	500,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	500,000	-	-	-	500,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies			\$ 500,000				\$ 500,000
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	500,000	-	-	-	500,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

estimate based on actual cost to complete this survey work in 2014, inclusion of Duke Transit, and cost escalation / CPI

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOTCO2			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	CO			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Durham Bus Plan	GoTriangle	Erik Landfried	Current Year	\$ 312,500
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	January 1, 2022	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>As the Durham County Transit Plan update begins to wrap up, additional work with need to take place to further refine the bus service concepts and associated capital facilities required in Durham County. In addition, GoTriangle will need to put together a separate, consolidated Short Range Transit Plan that includes the service adjustments envisioned in updates to all three County plans (Durham, Orange, and Wake).</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham County	A consolidated Durham Bus Plan will allow GoTriangle to effectively deliver the projects it sponsors on behalf of GoTriangle and GoDurham.	A Durham Bus Plan will provide more details on operating projects and associated capital projects along with an updated fleet plan for both GoDurham and GoTriangle. This is key for effectively managing our resources and will make it much easier to populate future work plans.

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Final Durham Bus Plan and associated consolidated GoTriangle Short Range Transit Plan			Qualitative	
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue	-	-	312,500	-	-	-	312,500
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	312,500	-	-	-	312,500

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies			\$ 312,500				\$ 312,500
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	312,500	-	-	-	312,500

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

\$250,000 is associated with the GoDurham portion of the Durham Bus Plan and is based on similar efforts done over the past 10 years plus some contingency for doing performing more detailed work on associated capital facilities. \$62,500 is assumed for the GoTriangle portion of the Durham Bus Plan - this is based on a similar \$250,000 effort across GoTriangle's three-county service area and assumes that 25% of that cost is borne by Durham County. This is the same assumption being made for similar capital project studies that include all three counties, including the Regional Transit Center relocation study.

Unique Project ID#	Triangle Tax District	FY START DATE	7/1/2020
21GOTC03	Durham Transit Work Plan	FY 2021	
Unique Request ID: (FY Project Start year)	21		
(Three letter Agency)	GOT		
(Project Type)	CO		
(Unique Number)	003		

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Transit Facilities Study	GoTriangle	Jay Heikes	Current Year	\$ 975,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Included in this study would be an assessment of the existing facility space, capacity, and work-flow efficiency of the Fay Street bus garage. It would also propose upgrades at the Fay Street site, including electric vehicle requirements, procurement strategy, and asset management, and/or identify when a new facility may be required along with high-level cost estimates. This study should also include the feasibility and conceptual design for improvements to Durham Station to create better / more direct pedestrian access ways, increase walkway widths, waiting areas, and seating adjacent to bus bays, increase overhead shelter, and assess electric vehicle needs. It will also include elements of a larger GoTriangle fleet and facilities plan including possible relocation and/or expansion of the Nelson Road BOMF following on the recently completed facility assessment. The goal would be to conduct a coordinated regional maintenance, storage, and charging station facility study. The study will also include a regional electric bus charging infrastructure needs assessment. This specific study is made possible by re-directing \$50,000 of GoTriangle CIP and \$31,250 of Wake Transit Plan funds for the specific purpose of electrical vehicle charging infrastructure. Finally the study will include site selection and conceptual design for Durham park and rides as well as transfer points where future crosstown routes intersect with routes serving Durham Station.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
GoDurham Fay Street BOMF GoTriangle Nelson Road BOMF Durham Station	Safe and Reliable buses for all transit riders Majority of GoDurham riders who transfer or board at Durham station.	1. Improve Bus Operations Efficiency 2. Determine future capacity needs 3. Improve Passenger Experience at Durham Station 4. Support Transfers between crosstown and radial routes at transfer points

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Increased Capacity to store and maintain vehicles	Increased Customer Satisfaction scores in rider surveys		Qualitative	Improved and fully covered passenger experience at Durham Station
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Tax Revenue							
Durham County Tax Revenue		-	975,000	-	-	-	975,000
Other Revenue							
Other: Orange			\$ 37,500				37,500
Other: FY18 GoTriangle CIP		\$ 300,000					300,000
Other: FY18 Wake		\$ 200,000					200,000
Subtotal Other	-	500,000	37,500	-	-	-	537,500
TOTAL REVENUE	-	500,000	1,012,500	-	-	-	1,512,500

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
CAPITAL COSTS							
Feasibility or Other Studies		\$ 500,000	\$ 1,012,500				\$ 1,512,500
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	500,000	1,012,500	-	-	-	1,512,500

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

- GoDurham / Fay Street BOMF -- 500K (100% Durham)
- GoTriangle / Nelson Road Regional BOMF -- 500K (50% GoTriangle, 6.25% Orange, 12.5% Durham, 31.25% Wake) (WAS: FY18: GoTriangle \$300,000; Wake 200,000) (Added Cost share to Durham and Orange - using same proportion as RTC Study - applied to the 50% not covered by GoTriangle CIP)
- Regional Charging Infrastructure (NEW, funded primarily from left-overs from adding Durham and Orange Cost share to the Nelson Road BOMF) -- 112500 (62,500 GoTriangle, 31,250 Wake, 12,500 Durham, 6,250 Orange)
- Durham Station --300K (%100 Durham)
- Durham Park and Ride and transfer points: 100K (%100 Durham)

Project ID#	Durham Transit Plan- Project Request Form				FY START	7/1/2019
20GOT_CD5	Capital				FY 2020	

Project Business Case
Provide responses to EACH of the questions below. Answer the questions as fully as possible. Enter Non-Applicable (N/A) as appropriate.

Project Name	Requesting Agency	Project Contact	TTD Estimated Capital Cost	
Phase1 GoDurham bus stop closeout (GoTriangle)	GoTriangle	Katharine Eggleston	FY 20	\$ 250,000
Estimated Start Date	Estimated Completion	Notes		
April 1, 2020	September 30, 2020			

Project Description
Construction of three remaining bus stop sites from original scope of 18DCI_CD4, including Glenview Station Walmart.

Project Profile

Project Area	Direct or Indirect Beneficiaries	Key benefits (Transit Plan)	Transit Plan Section	Map of Area
Durham City / County	City of Durham, Durham County, Citizens in Durham County, GoDurham and GoTriangle customers	Improved bus stop amenities	4.3.3	N/A

Project Info
Which fund is this project being proposed for?
Durham County - Capital

Was this project evaluated in the Adopted Durham or Orange Transit Plans?
Yes.

What is your plan if the request is not funded?
If the request is not funded, GoTriangle will not proceed with construction of these three sites.

List below the Key Performance Indicators (deliverables) while this project is in progress. These performance measures will be reported quarterly.
CD-Construction Completion

Project Monitoring Details
List any other relevant information not addressed.

Finance Estimates
Estimated Project Revenues:

Revenue	FY 19 and Prior	FY20	Funding to Date	FY21	FY22	FY23	Total
Durham County Tax Revenue	\$ -	\$ 250,000	\$ 250,000	-	-	-	250,000
Other Revenue							
Federal	\$ -	\$ -	\$ -	\$ -			-
State	\$ -	\$ -	\$ -	-			-
Other -	\$ -	\$ -	\$ -	\$ -			-
Subtotal Other	\$ -	\$ -	\$ -	-	-	-	-
TOTAL REVENUE	\$ -	\$ 250,000	\$ 250,000	-	-	-	250,000

Multi-Year Capital - Funding through FY 2020

Revenue	Durham County Tax Revenue through FY 2020 (Funding to Date)	\$ 250,000
Expenses	FY18 and Prior Year Reimbursements	\$ -
Expenses	FY19 Budgeted	\$ -
Net	Durham County Tax Revenue Available	\$ 250,000
Project Request		\$ 250,000
Balance		\$ -

Cost Break Down of Project Request

CAPITAL COSTS	FY 19 and Prior	FY20	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies	\$ -	\$ -					\$ -
Land - Right of Way	\$ -	\$ -					\$ -
Design & Engineering	\$ -	\$ -					\$ -
Construction - Implementation	\$ -	\$ 250,000					\$ 250,000
Equipment	\$ -	\$ -					\$ -
Other (Describe)	\$ -	\$ -					\$ -
TOTAL CAPITAL COSTS	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Durham Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18GOTCD4			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	GOT			
(Project Type)	CD			
(Unique Number)	004			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Patterson Place Improvements	GoTriangle	Jay Heikes	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
July 1, 2019	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

Improvements at Patterson Place shopping center. This project includes additional amenities and other elements to improve the operational efficiency of the GoTriangle and GoDurham routes that serve this stop.

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Patterson Place, SW Durham	Durham Residents and Visitors	GoTriangle 400

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Increased Ridership	Improved Mobility in Area	Increased Pedestrian Activity	Qualitative	Improved Customer Satisfaction
---------------------	---------------------------	-------------------------------	--------------------	--------------------------------

List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 and Prior	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		183,000	-	176,685	22,300	23,000	404,985
Other Revenue							
Federal							-
State							-
Other: City of Durham							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	183,000	-	176,685	22,300	23,000	404,985

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.


Cost Break Down of Project Request

CAPITAL COSTS	FY19 and prior	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering		\$ 183,000		\$ 155,085			\$ 338,085
Construction - Implementation							\$ -
Equipment							\$ -
Other (P&R Lease)				\$ 21,600	\$ 22,300	\$ 23,000	\$ 66,900
TOTAL CAPITAL COSTS	-	183,000	-	176,685	22,300	23,000	404,985

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Note: This Project is combining 18GOT_CD04 Patterson Place Improvements and 18GOT_CD05 Patterson place park and ride lease as approved in the 2017 Transit Plan. Note that the Patterson place park and ride lease at a cost increase of 2.5%



FY21 ORANGE COUNTY TRANSIT WORK PLAN



OVERVIEW

The Triangle Tax District, administered by GoTriangle, manages the funds received for the transit tax districts in Durham, Orange, and Wake counties. Each county's transit tax revenues are governed by a separate plan. The Orange County Transit Plan (Transit Plan) was adopted by the Orange County Board of Commissioners, the GoTriangle Board of Trustees, and the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) in 2017, and was the second installment of a transit plan for Orange County (replacing the Bus and Rail Investment Plan adopted in 2012). Annually, a fiscal year Work Plan is developed to allocate funding for projects identified in the Transit Plan. Per an interlocal agreement adopted by the governing boards in 2013, a staff oversight group, called the Staff Working Group (SWG), reviews projects to be funded through the transit tax and recommends that set of projects and funding amounts to the GoTriangle Board of Trustees for approval as part of its annual budget. The list of projects and funding amounts is presented here as the FY21 Draft Orange Work Plan.

The FY21 Draft Orange Work Plan will be released for a public comment period on April 17, 2020. The public comment period will end on May 22, 2020. All comments can be made to Aaron Cain of the DCHC MPO at aaron.cain@durhamnc.gov or (919) 560-4366 x36443. During the public comment period a formal opportunity will be made for comment to the DCHC MPO Board and the Orange County Board of Commissioners. The GoTriangle Board of Trustees will formally adopt the FY21 Work Plan as part of their FY21 budget process.

Tax District Funds are generated from a ½ cent sales tax, two vehicle registration fees (\$7 and \$3, respectively), and a vehicle rental fee. The Tax District has collected revenues since 2013, and has allocated funding since 2014. The services and capital investments funded by the Tax District Fund include:

- Providing greater frequency and more hours on many bus routes;

- Creating new routes to serve growth;
- Making improvements to transit infrastructure such as bus stops, park-and-ride lots, and bicycle and pedestrian infrastructure to improve access to transit; and
- Planning for major transit infrastructure, such as Bus Rapid Transit (BRT).

Transit Plan funds also support the long-term health of the region's transit systems, providing money to replace an aging fleet. These investments make it easier for residents to move around the county and the region, support equitable access to jobs and services, and connect our universities, neighborhoods, and employment centers. The investments are modern – they incorporate standards for ADA access and Complete Streets, and with Wifi capacity, buses bring information access to the systems riders.

In FY21, the Orange Transit Tax Fund expects to receive, from all four sources, approximately \$8.9M. This amount is a downward projection from the originally forecast \$9.8M due to the current public health crisis. Based on a principle of not drawing down from the Orange transit tax reserve capital fund in FY21, transit agencies that operate in Orange County have requested \$8M in new projects.¹

The Orange Work Plan is divided into two categories: operations and capital. In FY21, a little more than half of revenues, approximately \$4.7M, of the funding is dedicated to operations. This will provide continuation of service expansions and frequency reductions provided since the implementation of the transit tax for all three agencies: Chapel Hill Transit (CHT), Orange County Public Transit (OCPT), and GoTriangle. In addition, FY21 will see implementation of the CHT Short Range Transit Plan, which was adopted by the Chapel Hill Town Council in 2011, as well as expansion of the Hillsborough Circulator by OCPT. Furthermore, fare collection improvements will be installed for transit agencies across the Triangle, including GoTriangle services in Orange County, as a

¹ Approximately \$800,000 of capital projects on the consolidated budget sheet are transfers from FY20 to FY21, so while they are shown as FY21 requests they are being funded with FY20 dollars.

regional procurement contract. The fiscal impacts for the Youth GoPass will be realized across all the regional transit providers that run a fare service.

Capital improvements in FY21 will focus on providing necessary funding for North-South Bus Rapid Transit (N-S BRT) in Chapel Hill, though adjustments to the funding schedule were necessary in order to provide for the operations improvements and the reduction in projected revenue. In addition, GoTriangle will acquire new vehicles and conduct planning activities to support the growth of transit in Orange County. Further information on each of these improvements follows.

REVENUES

The Triangle Tax District administers funds from four different sources:

- ½ cent sales tax
- \$7 vehicle registration fee
- \$3 vehicle registration fee
- Vehicle rental tax

These revenues are used to support the transit activities of the Orange Transit Plan and subsequent Work Plans. A summary of expected revenues is shown in Table 1.

Table 1: Expected Triangle Tax District Revenues for Orange County in FY21 by Funding Source

Source	Amount
½ Cent Sales Tax	\$7,104,000
Vehicle Rental Fee	697,000
\$7 Car Registration Fee	775,000
\$3 Car Registration Fee	332,000
TOTAL	8,908,900

An unfortunate but important reality to note for the FY21 Orange Transit Work Plan is its response to uncertainty regarding revenue collections during the

Coronavirus Disease 2019 (COVID-19) health crises, which started in March of 2020. With social distancing and ‘stay-at-home’ measures to control the spread of COVID-19 imposed on residents statewide, the Orange Transit Plan implementation partners are aware that economic activity in the county has slowed immediately and in dramatic fashion. The public transportation sales and use tax collections authorized under Article 43 of the North Carolina General Statutes comprise the greatest share of assumed revenues to fund investments reflected in the Orange Transit Plan. While it is known that sales tax collections to support transit investments have likely decreased during this time, uncertainty remains around how much and how long of a decline it will be, as well as the extent of its long-term economic impacts for assumed future-year collections.

The FY21 Orange Transit Work Plan reflects an amendment of new projects or areas of investment. The projects identified and recommended to move forward in FY21 are those that are deemed time-sensitive ongoing efforts or involve time-sensitive external grant sources as part of their overall funding mechanism. The DCHC MPO, GoTriangle and Orange County will monitor the actual data for sales tax collections for the period between March and July and analyze the opportunity to minimize the draw-down of un-allocated reserves in FY21. It is anticipated that this data will be available in the second quarter of FY21 (October – December 2020).

EXPENDITURES

In FY21, about 54 percent of expenditures will be spent on operating projects, while the other 46 percent will be spent on capital projects. While projected revenues from the four funding sources are expected to total approximately \$8.9M, projects are budgeted at \$8M, leaving approximately \$900,000 for contingency, additional needs that arise during the year, a cushion in case of lower than expected revenues, and savings for future major capital projects. Expenditures by agency in FY21 are shown in Table 2.

Table 2: FY21 Expenditures by Agency
(operating and capital)

Agency	Amount
DCHC MPO	\$56,750
GoTriangle	\$2,970,380
Orange County/OCPT	\$743,800
Chapel Hill Transit	\$4,261,200
Town of Carrboro	\$353,500
Town of Hillsborough	\$434,900
TOTAL	\$8,820,530
Funds Transferred to FY21	\$799,030
TOTAL (New FY21 Expenditures)	\$8,021,500

** This table does not include funds that were budgeted but not expended in prior years, known as carryover balances.*

Table 3 summarizes total funding spent by type of activity. This is a combination of operating and capital expenditures.

Table 3: FY21 Expenditures by Type of Activity*

Activity	Amount	Percentage
Tax District Administration	\$245,700	3%
Transit Plan Administration	\$524,150	6%
Transit Operations	\$3,967,400	45%
Transit Infrastructure	\$799,030	9%
Vehicle Acquisition	\$903,000	10%
Chapel Hill BRT	\$2,062,000	23%
Capital Planning	\$318,750	4%
TOTAL	\$8,820,030	100%

**This table does not include funds that were budgeted but not expended in prior years, known as carryover balances.*

OPERATING

Per state law, funds from the Triangle Transit Tax cannot be used to supplant funds to existing operations or capital projects from before the time the transit tax was

instituted. Therefore, all operations projects are new services or expansions of previously existing services. The descriptions below are only for new operations services or funding for FY21.

ROUTE IMPROVEMENTS

Additional funding for operations in FY21 will allow CHT to implement the preferred alternative from its Short Range Transit Plan (SRTP) in August 2020. The additional service will create high frequency transit (15 minute or better headways) on 11 routes. Five routes will provide high frequency service (15 minute or better headways) on five routes, which include service for East Franklin Street.

In addition, new weekend service will be provided on seven routes, with changes made to other routes to accommodate the new service. A map and summary of these changes from the CHT Short Range Transit Plan is included in the appendices.

In addition to the improved service in Chapel Hill, service expansion will also take place on the Hillsborough Circulator. The number of service hours will be expanded; the current service from 8 am – 5 pm will increase to 7 am – 6 pm. Second, headways will be reduced from one hour to 30 minutes. This will be done by splitting the existing circulator into two separate routes. Each route has designated time points to allow for transfers from the northern circulator to the southern circulator, which includes transfer points to other OCPT fixed routes.

FARE COLLECTIONS

Two major changes to fare collections are addressed in FY21. First, GoTriangle buses are being updated to allow for mobile fare ticketing. This will allow passengers to pay fares and obtain passes on their smartphone, allowing for easier access for many riders and faster boardings allowing buses to run their routes more reliably.

The Youth GoPass was first offered in 2018, and allows youth between the ages of 13 and 18 to ride GoTriangle buses for free. While this is a valuable service, the loss of fare revenues has not been realized in the budget previously. Since this is a new service begun since 2013, it is eligible for reimbursement from the transit tax. The amount shown in the Work Plan is to address the decrease in fare revenue from implementation of the Youth GoPass.

ADMINISTRATION

While the overall amount for administrative costs at GoTriangle and DCHC MPO are not changing significantly, the number of line items has increased to provide more transparency for what these administrative costs are being spent on. Tax district administration remains housed at GoTriangle, while SWG administration remains part of the DCHC MPO, with those administrative costs split equally between Durham and Orange counties.

CAPITAL

A little less than one-half of the budget in the FY21 Work Plan is dedicated to capital projects. The bulk of FY21 new spending is for the N-S BRT, but there are other activities as well.

NORTH-SOUTH BUS RAPID TRANSIT

Planning work continues for the N-S BRT, and \$2,062,500 has been set aside in the FY21 to support these and further efforts for N-S BRT. As part of the resolution adopted by the governing boards in 2019, a supplemental \$8M was made available from transit tax revenues to support N-S BRT due to lack of state funding availability. Originally, \$1.5M was to be

budgeted in FY21, but that has been pushed back to FY22 due to the downward forecast of projected revenue and a need for more funds for operational support. CHT staff were consulted prior to the recommended delay of the supplemental funds, and staff concurred that the delay is appropriate.

ONGOING CAPITAL PROJECTS

For a variety of reasons, planned capital projects in Orange County have been delayed or cancelled, and funding intended to be spent in FY20 moved forward to FY21. These include:

- Mebane Park-and-Ride Lot Improvements
- Estes Drive Bike/Ped Study and Improvements
- Morgan Creek Greenway
- Carrboro Bus Stop Improvements²
- Hillsborough Train Station
- Hillsborough Train Station Bus Stops

VEHICLE ACQUISITION

GoTriangle implemented a level buying bus acquisition strategy that will replace 1/12th of the fleet per year. The strategy includes approximately 10 vehicle re-powers annually with an ultimate goal of having a fleet average age of 6 years. This project will allow GoTriangle to maintain the current fleet size with meeting the goal of reliable transportation for the residents within the County.

SURVEY AND PLANNING PROJECTS

GoTriangle plans to undertake three projects in FY21 that will prepare the region for future transit needs:

- A Transit Facilities Study will assess elements of a larger GoTriangle fleet and facilities plan

² This project has been canceled due to physical constraints of installing the improvements. This is the only project in this list that has been canceled; all other projects plan to move forward.

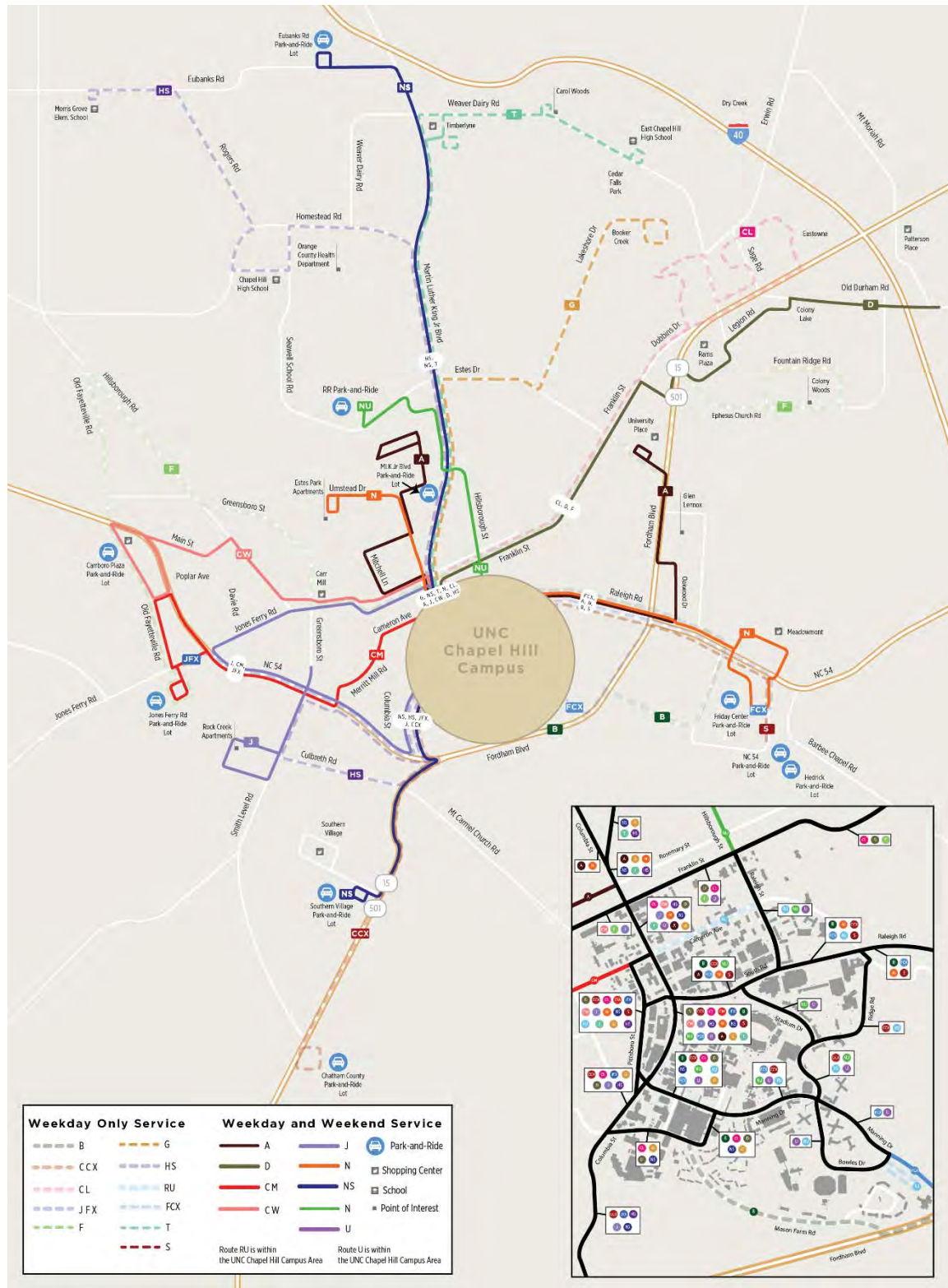
including possible relocation and/or expansion of the Nelson Road Bus Operations and Maintenance Facility (BOMF). The goal is to conduct a coordinated regional maintenance, storage, and charging station facility study. The study will also include a regional electric bus charging infrastructure needs assessment.

- An On-board Origin-Destination Survey to record transit travel behavior and produce data available for analysis about transit travel markets. This information is an essential input into regional and FTA travel models, which influences the success of GoTriangle's submissions to the FTA's Capital Improvement Grants (CIG) program and the state's SPOT process. The last on-board survey in Durham was conducted in 2014. These surveys would also be done in Orange and Wake counties for greater efficiency.
- A GoTriangle Short Range Transit will study the service needs and adjustments envisioned based on upcoming updates to all three county plans (Durham, Orange, and Wake).

SHORT-RANGE TRANSIT PLAN

Chapel Hill Transit

Figure 6-1 Preferred Alternative System Map



SHORT-RANGE TRANSIT PLAN
Chapel Hill Transit

Figure 6-2 Preferred Alternative Service Summary

Route	Summary of Changes	Frequency (minutes between buses)					Service Span	Peak Buses
		Morning Peak	Midday	Afternoon Peak	Night	Weekend		
A	Modified alignment to serve Hamilton Road and University Place.	60	60	60	60	60	6:30 AM - 8:30 PM (M-F) 8:00 AM - 7:00 PM (Sat-Sun)	1
B	Modified alignment to serve Ronald McDonald House and operate all-day.	30	30	30	-	-	7:00 AM - 6:00 PM (M-F)	1
CCX	No immediate change to this route would be recommended. If capacity issues emerge on Route NS, this route would deviate to address demand near Southern Village.	15	40	15	20	-	6:00 AM - 8:00 PM (M-F)	3
CL	The alignment of this route would be modified to provide service to Eastowne Drive, Coleridge Dr, Sage Road, and Dobbins Drive. Service would be removed from Erwin Road north of Old Oxford Road. The area south of US 15-501 that is no longer served by this route will continue to be served by Route D.	20	30	20	60	-	6:30 AM - 10:00 PM (M-F)	3
CM	This route alignment would be simplified to remove the extension on Manning Drive to the Family Medical Center to provide more frequent and direct service. Frequency would be improved, and areas no longer served by Route CM would continue to be served by Route RU.	15	30	15	30	30	6:30 AM - 6:30 PM 9:00 AM - 6:00 PM (Sat-Sun)	2
CPX	This route would be replaced by modified Routes CM and JFX.	-	-	-	-	-	-	-
CW	Simplify route by removing the portion travelling down W Poplar Avenue to the Jones Ferry Road Park-and-Ride. Instead the route will serve a loop between NC 54, Old Fayetteville Road, and W Poplar Avenue.	20	30/60	30	60	60	7:00 AM - 9:00 PM (M-F) 8:30 AM - 6:30 PM (Sat-Sun)	3
D	Simplify route by removing the southern loop operating on Culbreth Road and providing service in both directions along Legion Road, Old Chapel Hill Road, and Mt. Moriah Road. The areas removed from service will continue to be served by Routes CL, HS, and J.	20	30	20	60	60	6:30 AM - 10:00 PM (M-F) 8:00 AM - 7:00 PM (Sat-Sun)	3
F	Modify route by removing the deviation to University Place and extending service to Carrboro Plaza and Jones Ferry Park-and-Ride lots. No weekend service would be offered.	60	60	60	60	-	6:30 AM - 9:30 PM (M-F)	2
FCX	No Change to alignment or service span. Morning peak frequency is reduced to seven minutes to provide additional running time and improve on-time performance. Midday service would be added between 10:45 AM and 12:15 PM, operating every 15 minutes.	7	15	10	20	-	5:00 AM - 8:30 PM (M-F)	5
G	The alignment for this route would be altered to provide service from Lakeshore Drive to UNC-Chapel Hill campus only. No weekend service would be offered.	60	60	60	-	-	7:00 AM - 6:00 PM (M-F)	1
HS	Simplify route by removing the loop connecting Seawell School Road and Estes Drive and extending service further south on Martin Luther King Jr. Boulevard into UNC-Chapel Hill and Culbreth Road. Service would no longer operate on Hillsborough Street or Franklin Avenue.	35	35	35	35	-	6:00 AM - 8:00 PM (M-F)	2
HU	This route would be replaced by modified Route B.	-	-	-	-	-	-	-
J	Weekend service would be added.	15	20	15	40	40	6:30 AM - 12:00 AM (M-F) 8:00 AM - 9:00 PM (Sat) 8:00 AM - 7:00 PM (Sun)	6
JFX	Simplify route by removing the loop at Old Fayetteville Road and West Poplar Avenue. Service hours extended to operate all day and provide evening service to Jones Ferry Park-	15	15	15	15	-	6:30 AM - 8:00 PM (M-F)	2

SHORT-RANGE TRANSIT PLAN
Chapel Hill Transit

Route	Summary of Changes	Frequency (minutes between buses)					Service Span	Peak Buses
		Morning Peak	Midday	Afternoon Peak	Night	Weekend		
	and-Ride after 6:30pm, when Route CM stops running. The areas removed from service would continue to be served by Route CM.							
N	Weekday and weekend route alignment would be altered to provide service to Meadowmont Village. Route N would replace portions of existing Route V.	60	60	60	60	60	6:30 AM - 8:00 PM (M-F) 8:00 AM - 7:00 PM (Sat-Sun)	1
NS	Weekend service would be added.	7.5	15	10	30/40	40	5:30 AM - 11:30 PM (M-F) 8:00 AM - 9:00 PM (Sat) 8:00 AM - 7:00 PM (Sun)	10
NU	This route would be simplified to provide service in both directions on Hillsborough.	12/15	20	20	40	40	7:00 AM - 10:30 PM (M-F) 11:30 AM - 11:30 PM (Sat-Sun)	4
RU	No change.	10	15	10	15	-	7:00 AM - 8:30 PM (M-F)	3
S	Service would be removed from Manning Drive and US 15-501 to improve on-time performance.	10	20/35	10	25	-	6:30 AM - 8:00 PM (M-F)	3
T	Alignment would be shortened through UNC campus. No weekend service would be provided.	60	60	60	-	-	7:00 AM - 6:00 PM (M-F)	1
U	No change.	15	15	15	15/25	25	7:00 AM - 8:00 PM (M-F) 10:30 AM - 7:00 PM (Sat-Sun)	2
V	This route would be replaced by a modified Route N and existing service on Route NS.	-	-	-	-	-	-	-
FG	This existing Saturday-only route would be eliminated and replaced by new weekend service on Route A.	-	-	-	-	-	-	-
JN	This existing Saturday-only route would be eliminated and replaced by new weekend service on Route J and Route N.	-	-	-	-	-	-	-

Orange Transit Work Plan - FY20 Adopted/FY 21 Base Requests

Orange Workplan - Operating

<u>Agency</u>	<u>FY 20 Adopted</u>	<u>FY 2021 Submission</u>	<u>Notes</u>
DCHC MPO	\$55,365	\$56,750	
GoTriangle	\$1,732,335	\$1,738,000	
Orange County / OPT	\$710,393	\$743,800	
Chapel Hill / CHT	\$1,875,403	\$2,198,700	
TownofCarrboro	\$0	\$0	
TownofHillsborough	\$0	\$0	
Total Operating (Agency)	\$4,373,495	\$4,737,250	
Tax District Administration	\$85,300	\$245,700	
Transit Plan Administration	\$784,367	\$524,150	
Transit Operations	\$3,503,829	\$3,967,400	
Total Operating (Appropriation Category)	\$4,373,495	\$4,737,250	

Total Operating	\$4,373,495	\$4,737,250
Total Capital	\$9,529,571	\$4,083,280
TOTAL Orange Workplan	\$13,903,066	\$8,820,530

<u>Agency</u>	<u>Workplan Project ID</u>	<u>Project</u>	<u>Category</u>	<u>FY 20 Adopted</u>	<u>FY 2021 Submission</u>	<u>Notes</u>
DCHC MPO	19MPO_AD1	Staff Working Group Administrator	Transit Plan Administration	55,365	56,750	
GoTriangle	21GOTAD1	Tax District Administration - Financial Oversight Staff	Tax District Administration	-	125,700	Renamed
GoTriangle	21GOTAD11	Tax District Administration - Financial Oversight - Support Services (O)	Tax District Administration	-	120,000	Renamed
GoTriangle	20GOTAD2	Transit Plan Administration - Program Management Staff	Transit Plan Administration	-	23,800	Renamed
GoTriangle	21GOTAD3	Transit Plan Administration - Project Implementation Staff	Transit Plan Administration	-	161,200	Renamed
GoTriangle	20GOTAD13	TPA - Transit Planning - Support Services	Transit Plan Administration	-	30,000	Renamed
GoTriangle	21GOTAD4	TPA - Legal and Real Estate - Support Staff	Transit Plan Administration	-	89,000	Renamed
GoTriangle	21GOTAD5	TPA - Marketing , Communication and PE - Support Staff	Transit Plan Administration	-	49,700	Renamed
GoTriangle	21GOTAD12	TPA - Marketing, Communication and PE - Support Services	Transit Plan Administration	-	30,000	Renamed
GoTriangle	21GOTAD6	TPA - Regional Technology and Administration - Support Staff	Transit Plan Administration	-	72,700	Renamed
GoTriangle	18GOTAD10	Customer Surveys	Transit Plan Administration	-	11,000	
GoTriangle	20GOT_TS2	Route 800 Improvements	Transit Operations	375,985	381,200	
GoTriangle	20GOT_TS3	Route 400 Improvements	Transit Operations	310,653	326,700	
GoTriangle	20GOT_TS5	Route ODX	Transit Operations	139,777	178,500	
GoTriangle	20GOT_TS6	Route CRX Improvements	Transit Operations	49,302	61,400	
GoTriangle	20GOT_TS9	Route 405 Improvements	Transit Operations	17,890	20,600	
GoTriangle	19GOT_TS8	Paratransit expansion	Transit Operations	24,426	21,600	
GoTriangle	21GOT_OO1	Youth Gopass	Transit Operations	-	16,900	NEW
GoTriangle	21GOT_OO2	Fare Collection Improvements (D)	Transit Operations	-	18,000	NEW
GoTriangle	19GOT_AD1 [Discontinued ID / r	.25 FTE for Tax District Admin	Tax District Administration	22,350	-	Replaced
GoTriangle	20GOT_AD1 [Discontinued ID / r	.5 FTE for Sr. Financial Analyst	Tax District Administration	62,950	-	Replaced
GoTriangle	20GOT_AD2 [Discontinued ID / r	Support Services	Transit Plan Administration	617,752	-	Replaced
GoTriangle	20GOT_AD3 [Discontinued ID / r	Support - Consultant	Transit Plan Administration	111,250	-	Replaced
Orange County / OPT	19OPT_TS1	Continuation of Transit Services	Transit Operations	275,061	286,400	
Orange County / OPT	19OPT_TS2	Increased Cost of Existing Services	Transit Operations	93,364	78,700	
Orange County / OPT	20OPT_TS2	Alamance (Health) Connector	Transit Operations	120,640	-	
Orange County / OPT	20OPT_TS3	Cedar Grove - Durham Express	Transit Operations	60,320	-	
Orange County / OPT	20OPT_TS4	Hillsborough Circulator Expansion	Transit Operations	30,160	30,200	
Orange County / OPT	20OPT_TS5	Hillsborough Circulator II	Transit Operations	94,656	221,600	Expansion
Orange County / OPT	20OPT_TS6	Mobility on Demand	Transit Operations	36,192	126,900	Expansion
Chapel Hill / CHT	19CHT_TS1	Service Expansion FY21	Transit Operations	285,551	293,100	Expansion
Chapel Hill / CHT	19CHT_TS2	Increased Cost of Existing Services	Transit Operations	588,661	588,700	
Chapel Hill / CHT	19CHT_TS3	Existing Service Expansion FY13-FY20	Transit Operations	1,001,191	1,316,900	

Total Operating By Project	-	4,373,495	4,737,250
	<u>FY 20 Adopted</u>	<u>FY 2021 Submission</u>	
	416,399	34,900	NEW
		641,600	Expansion

Orange Transit Work Plan - FY20 Adopted/FY 21 Base Requests

Orange Workplan - Capital

Agency	FY 20 Adopted	FY 2021 Submission	Notes
DCHC MPO	\$0	\$0	
GoTriangle	\$1,483,139	\$1,232,380	
Orange County / OPT	\$1,791,688	\$0	
Chapel Hill / CHT	\$4,793,112	\$2,062,500	
TownofCarrboro	\$1,026,735	\$353,500	
TownofHillsborough	\$434,897	\$434,900	
Total Capital (Agency)	\$9,529,571	\$4,083,280	
Transit Infrastructure	\$3,638,322	\$799,030	
Vehicle Acquisition	\$2,002,349	\$903,000	
BRT	\$2,513,215	\$2,062,500	
LRT	\$518,460	\$0	
CRT	\$75,000	\$0	
Capital Planning	\$282,225	\$318,750	
Transit Plan Development	\$500,000	\$0	
Total Capital (Appropriation Category)	\$9,529,571	\$4,083,280	

Total Operating	\$4,373,495	\$4,737,250	
Total Capital	\$9,529,571	\$4,083,280	
TOTAL Orange Workplan	\$13,903,066	\$8,820,530	

Agency	ERP Project ID	Workplan Project ID	Project	Category	FY 20 Adopted	FY 2021 Submission	Notes
GoTriangle	OC.CAP.GOT.19GOTC001	19GOT_CD1	ERP System - Transit Plan	Capital Planning	239,152	-	FY20Q4 carryover
GoTriangle	OC.CRT.GOT.20GOTCD1	20GOT_CD1	Commuter Rail Project Development	CRT	75,000	-	FY20 Expense
GoTriangle	OC.LRT	20GOT_CD2	Light Rail Transit	LRT	518,460	-	FY20Q4 carryover
GoTriangle	OC.TIN.GOT.18GOTCD08	18GOT_CD8	Hillsborough Park and Ride	Transit Infrastructure	145,723	-	FY20Q4 carryover
GoTriangle	OC.TIN.GOT.18GOTCD09	18GOT_CD9	Hillsborough Transfer Center	Transit Infrastructure	-	-	
GoTriangle	OC.TIN.GOT.18GOTCD10	18GOT_CD10	Bus Stop Improvement in Carrboro	Transit Infrastructure	26,574	-	Discontinued
GoTriangle	OC.TIN.GOT.18GOTCD11	18GOT_CD11	Mebane Bus Stop Improvement	Transit Infrastructure	40,630	10,630	Transfer to FY21
GoTriangle	OC.TIN.GOT.18GOTCD12	18GOT_CD12	Bus Stop Improvements (Orange County)	Transit Infrastructure	331,100	-	FY20Q4 carryover
GoTriangle	OC.TIN.GOT.19GOTCD01	19GOT_CD1	RTC Facility Feasibility Study - Orange	Transit Infrastructure	62,500	-	FY20Q4 carryover
GoTriangle	OC.TIN.GOT.20GOTCD03	20GOT_CD3	Mobile Ticket Validators - Orange share (includes Route 42)	Transit Infrastructure	74,000	-	FY20Q4 carryover
GoTriangle	DC.VAQ.GOT.21GOTVP01	21GOT_VP1	Vehicle acquisition and replacement	Vehicle Acquisition	-	903,000	NEW
GoTriangle	DC.CAP.GOT.21GOTC001	21GOT_CO1	Origin Destination Survey	Capital Planning	-	250,000	NEW
GoTriangle	DC.CAP.GOT.21GOTC002	21GOT_CO2	GoTriangle Short Range Transit Plan	Capital Planning	-	31,250	NEW
GoTriangle	DC.CAP.GOT.21GOTC003	21GOT_CO3	Transit Facilities Study	Capital Planning	-	37,500	NEW
Orange County / OPT	OC.TIN.OPT.19OPTCD01	19OPT_CD1	Bus Stop Improvement (5 OPT Stops) Short Term	Transit Infrastructure	137,864	-	FY20Q4 carryover
Orange County / OPT	OC.TIN.OPT.20OPTCD01	20OPT_CD1	15 OPT Bus Stop Signs	Transit Infrastructure	1,594	-	FY20Q4 carryover
Orange County / OPT	OC.TIN.OPT.20OPTCD02	20OPT_CD2	Hillsborough Park-and-Ride - 3(Orange County -Construct	Transit Infrastructure	800,000	-	FY20Q4 carryover
Orange County / OPT	OC.VAQ.OPT.19OPTVP01	19OPT_VP1	OPT Vehicle Purchases	Vehicle Acquisition	35,731	-	FY20Q4 carryover
Orange County / OPT	OC.VAQ.OPT.20OPTVP02	20OPT_VP2	OPT Vehicle Purchases	Vehicle Acquisition	43,926	-	FY20Q4 carryover
Orange County / OPT	OC.CAP.OPT.19OPTAD01	19OPT_AD1	AVL	Capital Planning	43,073	-	FY20Q4 carryover
Orange County / OPT	OC.TPA.DCH.20OPTAD02	20OPT_AD2	Planning for new Transit Plan	Transit Plan Development	500,000	-	FY20Q4 carryover
Orange County / OPT	OC.VAQ.OPT.20OPTVP03	20OPT_VP3	OPT Vehicle Purchases	Vehicle Acquisition	229,500	-	FY20Q4 carryover
Chapel Hill / CHT	OC.BRT.CHT.19CHTCD01	19CHT_CD1	North-South BRT	BRT	1,513,215	2,062,500	FY20Q4 carryover
Chapel Hill / CHT	OC.BRT.CHT.20CHTCD03	20CHT_CD1	North-South BRT Supplemental	BRT	1,000,000	-	FY20Q4 carryover
Chapel Hill / CHT	OC.TIN.CHT.19CHTCD02	20OPT_CD2	CHT CHT ADA Bus Stop Upgrades	Transit Infrastructure	448,815	-	FY20Q4 carryover
Chapel Hill / CHT	OC.TIN.CHT.19CHTCD03	19CHT_CD3	UNC Manning Drive Bus Station	Transit Infrastructure	-	-	
Chapel Hill / CHT	OC.TIN.CHT.20CHTCD01	20CHT_CD1	Lighting in bus shelters	Transit Infrastructure	53,148	-	FY20Q4 carryover
Chapel Hill / CHT	OC.TIN.CHT.20CHTCD02	20CHT_CD2	Bus Stop Sign Design and Replacement	Transit Infrastructure	84,741	-	FY20Q4 carryover
Chapel Hill / CHT	OC.VAQ.CHT.19CHTVP01	19CHT_VP1	CHT Vehicle Purchases	Vehicle Acquisition	1,541,192	-	FY20Q4 carryover
Chapel Hill / CHT	OC.VAQ.CHT.20CHTVP02	20CHT_VP2	CHT Vehicle Purchases [ICES allocation]	Vehicle Acquisition	152,000	-	FY20 Expense
TownofCarrboro	OC.TIN.TOC.18TOCCD01	18TOC_CD1	Estes Drive Bike-Ped Improvements	Transit Infrastructure	47,373	47,400	Transfer to FY21
TownofCarrboro	OC.TIN.TOC.18TOCC002	18TOC_CD2	Estes Drive Transit Access/Corridor Study	Transit Infrastructure	406,296	106,300	Transfer to FY21
TownofCarrboro	OC.TIN.TOC.18TOCC003	18TOC_CD3	Bus Stop Improvements	Transit Infrastructure	120,889	-	FY20Q4 carryover
TownofCarrboro	OC.TIN.TOC.18TOCCD04	18TOC_CD4	Morgan Creek Greenway	Transit Infrastructure	499,837	199,800	Transfer to FY21
TownofCarrboro	OC.TIN.TOC.18TOCCD05	18TOC_CD5	South Greensboro St. Sidewalk	Transit Infrastructure	552,340	-	FY20Q4 carryover
TownofHillsborough	OC.TIN.TOH.18TOHCD01	18TOH_CD1	Hillsborough Train Station	Transit Infrastructure	404,000	401,000	Transfer to FY21
TownofHillsborough	OC.TIN.TOH.20TOHCD02	20TOH_CD2	Hillsborough Train Station Bus Stop Improvements	Transit Infrastructure	33,897	33,900	Transfer to FY21
Total Capital By Project					9,529,571	4,083,280	-

FY 20 Adopted	FY 2021 Submission
	1,221,750 NEW
799,033	799,030 Transfer to FY21
8,476,964	2,062,500 FY20Q4 carryover
227,000	- FY20 Expense
26,574	- Discontinued
9,529,571	4,083,280 Total

**Chapel Hill / ChapelHillTransit
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation		Requested Appropriation	
		FY20		FY21	
19CHT_TS1	Service Expansion FY21	\$	285,551	\$	293,100
19CHT_TS2	Increased Cost of Existing Services	\$	588,661	\$	588,700
19CHT_TS3	Existing Service Expansion FY13-FY20	\$	1,001,191	\$	1,316,900

Total Operating Requests		\$	1,875,403	\$	2,198,700
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CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation		Requested Appropriation	
		FY20		FY21	
19CHT_CD1	North-South BRT	\$	1,513,215	\$	2,062,500
20CHT_CD1	North-South BRT Supplemental	\$	1,000,000	\$	-
20OPT_CD2	CHT CHT ADA Bus Stop Upgrades	\$	448,815		
19CHT_CD3	UNC Manning Drive Bus Station	\$	-		
20CHT_CD1	Lighting in bus shelters	\$	53,148		
20CHT_CD2	Bus Stop Sign Design and Replacement	\$	84,741		
19CHT_VP1	CHT Vehicle Purchases	\$	1,541,192		
20CHT_VP2	CHT Vehicle Purchases [ICES allocation]	\$	152,000		

Total Capital Requests		\$	4,793,112	\$	2,062,500
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Total Requested		\$	6,668,515	\$	4,261,200
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= New project request - (Highlight in Orange)

Total Operating (Agency)

Tax District Administration		\$0	\$0
Transit Plan Administration		\$0	\$0
Transit Operations		\$1,875,403	\$2,198,700

FY2021 Transit Plan Allocation

LESS: Total Requested	\$0	\$0
Transit Plan Allocation Remaining (shortfall)	-	-

Total Capital (Agency)

Transit Infrastructure	\$586,705	\$0
Vehicle Acquisition	\$1,693,192	\$0
BRT	\$2,513,215	\$2,062,500
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0
Transit Plan Development	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$4,793,112	\$2,062,500
Transit Plan Allocation Remaining (shortfall)	4,793,111.91	2,062,500.00

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
19CHT_TS1			FY 2021	
Unique Request ID: (FY Project Start Year)	19			
(Three letter Agency)	CHT			
(Project Type)	TS			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Service Expansion FY21	Chapel Hill Transit	Nick Pittman	Current Year	\$ 293,100
Estimated Start Date	Estimated Completion	Notes		
August 15, 2020		Ongoing commitment beyond 2024		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The CHT Partners will receive options to expand peak hour service in response with overcrowding and also expansion of weekend/evening services. Once the Partner's have reviewed and provided input, service improvements for FY19 will not exceed 3100 hours per year. Service improvements will be discussed between November 2017 and April 2017. CHT Partners could elect to utilize FY19 funding to implement service improvements in FY20 as a result from the currently underway Short Range Transit Plan.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Chapel Hill	Current and future customers of Chapel Hill Transit	Improve peak hour services in response to overcrowding and customer demand.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	8/15/2018
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	3100

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	-	285,551	293,100	321,300	329,400	337,500	1,566,851
Other Revenue							
Federal							-
State							-
Other (Describe)							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	285,551	293,100	321,300	329,400	337,500	1,566,851

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		2,527	\$ 2,527	\$ 2,700	\$ 2,700	\$ 2,700	
Cost per Hour	113	113	\$ 116	\$ 119	\$ 122	\$ 125	
Estimated Operating Cost	\$ -	\$ 285,551	\$ 293,132	\$ 321,300	\$ 329,400	\$ 337,500	\$ 1,566,883
Bus Leases			\$ -	\$ -	\$ -	\$ -	\$ -
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal: Bus Operations	\$ -	\$ 285,551	\$ 293,132	\$ 321,300	\$ 329,400	\$ 337,500	\$ 1,566,883
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ -	\$ 285,551	\$ 293,100.00	\$ 321,300.00	\$ 329,400.00	\$ 337,500.00	\$ 1,566,883

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

FY 21 expansion assumes services beginning in August. FY22 represents a full year of service hours. Chapel Hill Transit will implement its newly adopted Short Range Transit Plan(SRTP) in August 2020. The SRTP will create high frequency transit core (15 minute or better headways) on 11 routes (CCX, CL, CM, D, FCX, JFX, J, NS, NU, RU, and U as well as improved and expanded weekend service that will include new Sunday service.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
19CHT_TS2			FY 2021	
Unique Request ID: (FY Project Start Year)	19			
(Three letter Agency)	CHT			
(Project Type)	TS			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Increased Cost of Existing Services	Chapel Hill Transit	Nick Pittman	Current Year	\$ 588,700
Estimated Start Date	Estimated Completion	Notes		
August 15, 2018		Ongoing commitment beyond 2024		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The original Orange County Bus and Rail Investment Plan based operating cost on \$103 per hour. Since then operating costs have risen to \$113. In order to continue to fund these services, Chapel Hill Transit utilizes funds from the Orange County Transit Plan to offset some of these cost.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location? Who will this Project serve? What are the key benefits?

This project will consider projected demand for future services as a indicator to the need for expanded services.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	8/15/2018
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	778,066	588,661	588,700	603,400	618,500	633,900	3,811,227
Other Revenue							
Federal							-
State							-
Other (Describe)							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	778,066	588,661	588,700	603,400	618,500	633,900	3,811,227

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours			\$ -	\$ -	\$ -	\$ -	
Cost per Hour			\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)	778,066	588,661	588,661	603,377.53	618,461.96	633,923.51	3,811,151.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 778,066.00	\$ 588,661.00	\$ 588,700.00	\$ 603,400.00	\$ 618,500.00	\$ 633,900.00	\$ 3,811,151.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

N/A

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
19CHT_TS3			FY 2021	
Unique Request ID: (FY Project Start Year)	19			
(Three letter Agency)	CHT			
(Project Type)	TS			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Existing Service Expansion FY13-FY20	Chapel Hill Transit	Nick Pittman	Current Year	\$ 1,316,900
Estimated Start Date	Estimated Completion	Notes		
Project Description				
Enter below a summary of the project that may later be used for the Transit Work Plan.				
Continuation of funding for expansion services from FY13-FY20.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Chapel Hill	Current and future customers of Chapel Hill Transit	Improve peak hour services in response to overcrowding and customer demand.

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	7/1/2012
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	8644

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	976,772	1,001,191	1,316,900	1,350,100	1,383,300	1,416,400	7,444,663
Other Revenue							
Federal							-
State							-
Other (Describe)							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	976,772	1,001,191	1,316,900	1,350,100	1,383,300	1,416,400	7,444,663

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	8,644	8,644	\$ 11,066	\$ 11,066	\$ 11,066	\$ 11,066	
Cost per Hour	113	116	\$ 119	\$ 122	\$ 125	\$ 128	
Estimated Operating Cost	\$ 976,772	\$ 1,001,191	\$ 1,316,854	\$ 1,350,052	\$ 1,383,250	\$ 1,416,448	\$ 7,444,567
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 976,772	\$ 1,001,191	\$ 1,316,854	\$ 1,350,052	\$ 1,383,250	\$ 1,416,448	\$ 7,444,567
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 976,772	\$ 1,001,191	\$1,316,900.00	\$1,350,100.00	\$1,383,300.00	\$ 1,416,400.00	\$ 7,444,567

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

N/A

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
19CHT_CD1			FY 2021	
Unique Request ID: [FY Project Start year]	19			
[Three letter Agency]	CHT			
[Project Type]	CD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
North-South BRT	Chapel Hill Transit	Matt Cecil	Current Year	\$ 2,062,500
Estimated Start Date	Estimated Completion	Notes		
In progress	FY25			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
The N-S BRT Project will provide frequent, fixed-guideway bus service along NC 86, known locally as Martin Luther King, Jr. Blvd. and So. Columbia Street, and the US Highway 15- 501 corridor in Chapel Hill.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Town of Chapel Hill NC-86 Corridor	Chapel Hill, UNC, Chapel Hill visitors, students, employees	Frequent, fixed guideway service along MLK.

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Higher Bus Ridership	More Frequent Service	Shorter Travel Times for Riders	Qualitative	Entry into Small Starts
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	486,785	1,513,215	2,062,500	2,062,500	-	-	6,125,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	486,785	1,513,215	2,062,500	2,062,500	-	-	6,125,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering	\$ 486,785	\$ 1,513,215	\$ 2,062,500	\$ 2,062,500			\$ 6,125,000
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	486,785	1,513,215	2,062,500	2,062,500	-	-	6,125,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Project funding follows Orange County 2017 Transit Plan.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
20CHT_CD1			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	CHT			
[Project Type]	CD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
North-South BRT Supplemental	Chapel Hill Transit	Matt Cecil	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
In Progress	FY25			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Supplemental funding for N-S BRT should state funding not be available through the SPOT process. Supplemental funding is a total of \$8M over four years.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Town of Chapel Hill NC 86 Corridor	Chapel Hill, UNC, Chapel Hill visitors, students, and employees	Frequent fixed guideway service along MLK

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Higher bus ridership	More frequent service	Shorter travel times for riders	Qualitative	Entrance into Small Starts
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	-	1,000,000	-	1,500,000	1,500,000	4,000,000	8,000,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	1,000,000	-	1,500,000	1,500,000	4,000,000	8,000,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation		1,000,000		\$ 1,500,000	\$ 1,500,000	\$ 4,000,000	\$ 8,000,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	1,000,000	-	1,500,000	1,500,000	4,000,000	8,000,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Project funding is consistent with Transit Plan amendment adopted in August 2019.

**DCHC MPO -Orange County
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation	Requested Appropriation
		FY20	FY21
19MPO_AD1	Staff Working Group Administrator	\$55,365	\$56,750

Total Operating Requests	\$	55,365	\$	56,750
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CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation	Requested Appropriation
		FY20	FY21

Total Capital Requests	\$	-	\$	-
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Total Requested	\$	55,365	\$	56,750
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 = New project request - (Highlight in Orange)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$55,365	\$56,750
Transit Operations	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$55,365	\$56,750
Transit Plan Allocation Remaining (shortfall)	55,364.50	56,750.00

Total Capital (Agency)

Transit Infrastructure	\$0	\$0
Vehicle Acquisition	\$0	\$0
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0
Transit Plan Development	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$0	\$0
Transit Plan Allocation Remaining (shortfall)	-	-

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2019
19MPO_AD1			FY 2021	
Unique Request ID: [FY Project Start year]	19			
[Three letter Agency]	MPO			
[Project Type]	AD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Staff Working Group Administrator	DCHC MPO	Felix Nwoko	Current Year	\$ 56,750
Estimated Start Date	Estimated Completion	Notes		
January 1, 2018	June 30, 2025	Completion date is same as end date for current approved county transit plans.		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The SWG Administrator is a highly responsible position that will lead the implementation efforts of the Durham and Orange County Transit Plans through coordination of the SWGs. The current project costs estimated till FY24 (6 year period), however FTE costs are assumed to continue to the approved period for the county transit plans (2045).</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
DCHC MPO	Durham County and Orange County	Coordination and implementation of county transit plans.

Project Monitoring Details

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	26,850	55,365	56,750	58,150	59,600	61,100	317,815
Other Revenue							
Federal							-
State							-
Local (DCHC MPO)	26,850	55,365	56,750	58,150	59,600	61,100	317,815
Subtotal Other	26,850	55,365	56,750	58,150	59,600	61,100	317,815
TOTAL REVENUE	53,700	110,729	113,500	116,300	119,200	122,200	635,629

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes	53,700	110,729	113,500	116,300	119,200	122,200	635,629
Contracts			-	-	-	-	-
Bus Operations:							
Estimated Hours			-	-	-	-	
Cost per Hour			-	-	-	-	
Estimated Operating Cost	-	-	-	-	-	-	-
Bus Leases			-	-	-	-	
Park & Ride Lease			-	-	-	-	
Other -Bus (Describe)			-	-	-	-	
Other -Bus (Describe)			-	-	-	-	
Subtotal: Bus Operations	-	-	-	-	-	-	-
Other (Describe)			-	-	-	-	-
Other (Describe)			-	-	-	-	-
Other (Describe)			-	-	-	-	-
TOTAL OPERATING COSTS	53,700	110,729	113,500	116,300	119,200	122,200	635,629

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

This position was originally half-time but this request assumes the position will be increased to full-time in which .5 FTE salary will be charged to Durham and .5 FTE will be charged to Orange.

GoTriangle - Orange
Summary of Project Requests

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation	Requested Appropriation
		FY20	FY21
21GOTAD1	Tax District Administration - Financial Oversight Staff		\$ 125,700
21GOTAD11	Tax District Administration - Financial Oversight - Support Services (O)		\$ 120,000
20GOTAD2	Transit Plan Administration - Program Management Staff		\$ 23,800
21GOTAD3	Transit Plan Administration - Project Implementation Staff		\$ 161,200
20GOTAD13	TPA - Transit Planning - Support Services		\$ 30,000
21GOTAD4	TPA - Legal and Real Estate - Support Staff		\$ 89,000
21GOTAD5	TPA - Marketing , Communication and PE - Support Staff		\$ 49,700
21GOTAD12	TPA - Marketing, Communication and PE - Support Services		\$ 30,000
21GOTAD6	TPA - Regional Technology and Administration - Support Staff		\$ 72,700
18GOTAD10	Customer Surveys		\$ 11,000
20GOT_TS2	Route 800 Improvements	\$ 375,985	\$ 381,200
20GOT_TS3	Route 400 Improvements	\$ 310,653	\$ 326,700
20GOT_TS5	Route ODX	\$ 139,777	\$ 178,500
20GOT_TS6	Route CRX Improvements	\$ 49,302	\$ 61,400
20GOT_TS9	Route 405 Improvements	\$ 17,890	\$ 20,600
19GOT_TS8	Paratransit expansion	\$ 24,426	\$ 21,600
21GOT_OO1	Youth Gopass		\$ 16,900
21GOT_OO2	Fare Collection Improvements (D)		\$ 18,000
19GOT_AD1 [Discontinued ID / revised by function]	.25 FTE for Tax District Admin	\$ 22,350	
20GOT_AD1 [Discontinued ID / revised by function]	.5 FTE for Sr. Financial Analyst	\$ 62,950	
20GOT_AD2 [Discontinued ID / revised by function]	Support Services	\$ 617,752	
20GOT_AD3 [Discontinued ID / revised by function]	Support - Consultant	\$ 111,250	
Total Operating Requests		\$ 1,732,335	\$ 1,738,000

CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation	Requested Appropriation
		FY20	FY21
19GOT_CD1	ERP System - Transit Plan	\$ 239,152	
20GOT_CD1	Commuter Rail Project Development	\$ 75,000	
20GOT_CD2	Light Rail Transit	\$ 518,460	
18GOT_CD8	Hillsborough Park and Ride	\$ 145,723	
18GOT_CD9	Hillsborough Transfer Center		
18GOT_CD10	Bus Stop Improvement in Carrboro	\$ 26,574	
18GOT_CD11	Mebane Bus Stop Improvement	\$ 10,630	\$ 10,630
18GOT_CD12	Bus Stop Improvements (Orange County)	\$ 331,100	
19GOT_CD1	RTC Facility Feasibility Study - Orange	\$ 62,500	
20GOT_CD3	Mobile Ticket Validators - Orange share (includes Route 420)	\$ 74,000	
21GOT_VP1	Vehicle acquisition and replacement		\$ 903,000
21GOT_CO1	Origin Destination Survey		\$ 250,000
21GOT_CO2	GoTriangle Short Range Transit Plan		\$ 31,250
21GOT_CO3	Transit Facilities Study		\$ 37,500
Total Capital Requests		\$ 1,483,139	\$ 1,232,380
Total Requested		\$ 3,215,474	\$ 2,970,380

= New project request - (Highlight in Orange)

Total Operating (Agency)

Tax District Administration	\$85,300	\$245,700
Transit Plan Administration	\$729,002	\$467,400
Transit Operations	\$918,032	\$1,024,900

FY2021 Transit Plan Allocation

LESS: Total Requested	\$1,732,335	\$1,738,000
Transit Plan Allocation Remaining (shortfall)	1,732,334.63	1,738,000.00

Total Capital (Agency)

Transit Infrastructure	\$650,527	\$10,630
Vehicle Acquisition	\$0	\$903,000
BRT	\$0	\$0
LRT	\$518,460	\$0
CRT	\$75,000	\$0
Capital Planning	\$239,152	\$318,750
Transit Plan Development	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$1,483,139	\$1,232,380
Transit Plan Allocation Remaining (shortfall)	1,483,139.00	1,232,380.00

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD1			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Tax District Administration - Financial Oversight Staff	GoTriangle	Sandra Freeman	Current Year	\$ 125,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>NOTE: The project request is a continuation of on-going operating and consolidation of 19GOT_AD1 and 20GOT_AD1 submissions approved in FY20 Workplan</p> <p>GoTriangle will continue to allocate 0.75 FTE of Tax District Administration - Financial oversight staff to the Orange Transit Plan. In FY21 the roles will continue improve financial policies, provide financial analysis for the new Transit plan development including the commuter rail project, and process quarterly reimbursements and reporting. The roles include:</p> <p>Allocation of 1 FTE Sr. Financial Analyst position to continue financial modeling, analysis and financial oversight for the Durham and Orange Tax Districts. This FTE is budgetted 50% Durham and 50% Orange Transit Plans.</p> <p>Allocation of 1 FTE of Administrative Assistant for the GoTriangle Finance Department's Durham, Orange and Wake Transit activities. This FTE is budgetted 50% Durham, 25%Orange and 50% Wake Transit Plans.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

- 1 FTE Sr. Financial Analyst position to continue financial modeling, analysis and financial oversight for the Durham and Orange Tax Districts.
- 1 FTE of Administrative Assistant for the GoTriangle Finance Department's Durham, Orange and Wake Transit activities.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		125,700	128,800	132,000	135,300	521,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		125,700	128,800	132,000	135,300	521,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS			FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ 125,700.00	\$ 128,800.00	\$ 132,000.00	\$ 135,300.00	\$ 521,800.00
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS			\$ 125,700.00	\$ 128,800.00	\$ 132,000.00	\$ 135,300.00	\$ 521,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD11			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	011			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Tax District Administration - Financial Oversight - Support Services (O)	GoTriangle	Sandra Freeman	Current Year	\$ 120,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		

Project Description Enter below a summary of the project that may later be used for the Transit Work Plan.

NOTE: The project request is a continuation of on-going operating and consolidation finance and technology functions from 20GOT_AD2 and 20GOT_AD3 (financial consultants) submissions approved in FY20 Workplan

GoTriangle will continue to allocate Financial support services to the Orange Transit Plan. In FY21 the budgets includes financial oversight expenditure ongoing support from Financial consultant to provide recommendation on new Transit plan development, financial policies (including debt issuance) and independent auditors.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

Existing services that continue for the Tax District administration include: Annual Financial reporting (CAFR), LGC compliance, budget amendments - ordinances, portfolio management of funds, processing and reporting quarterly reimbursements for five transit partners in Orange County.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		120,000	123,000	126,100	129,300	498,400
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		120,000	123,000	126,100	129,300	498,400

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 120,000.00	\$ 123,000.00	\$ 126,100.00	\$ 129,300.00	\$ 498,400.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 120,000.00	\$ 123,000.00	\$ 126,100.00	\$ 129,300.00	\$ 498,400.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
20GOTAD2			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Transit Plan Administration - Program Management Staff	GoTriangle	Katharine Eggleston	Current Year	\$ 23,800
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation Program Management functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan. FY21 request is updated to reflect anticipated program management responsibilities in the county.

GoTriangle will continue to allocate 0.1 FTE of GoTriangle program management staff to the Orange Transit Plan. In FY21, this staffing will provide oversight and program management support for GoTriangle's bus facilities and bus stop amenities planning and development programs and oversight and program management support for GoTriangle's efforts in support of the Orange Transit Plan update. Specific tasks includes oversight of project planning; oversight of project scope, schedule, and budget development and monitoring; oversight of quarterly reporting; and supervision of GoTriangle's planning and project delivery teams.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

50% - Oversight and program management support for GoTriangle's bus facilities and bus stop amenities planning and development programs

40% - Oversight and program management support for GoTriangle's efforts in support of the Orange Transit Plan update

10% - Staff supervision

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		23,800	24,400	25,000	25,600	98,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		23,800	24,400	25,000	25,600	98,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 23,800.00	\$ 24,400.00	\$ 25,000.00	\$ 25,600.00	\$ 98,800.00
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 23,800.00	\$ 24,400.00	\$ 25,000.00	\$ 25,600.00	\$ 98,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD3			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Transit Plan Administration - Project Implementation Staff	GoTriangle	Katharine Eggleston	Current Year	\$ 161,200
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	ongoing	(Add notes as appropriate)		
Project Description		Enter below a summary of the project that may later be used for the Transit Work Plan.		

NOTE: The project request is a continuation of on-going operating: Specifically consolidation Project Implementation functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan. FY21 request is updated to reflect anticipated project implementation responsibilities in the county.

GoTriangle will continue to allocate 0.8 FTE for project implementation activities for the Orange Transit Plan. In FY21, this team will manage and execute planning, design, and construction management activities for GoTriangle's bus facilities and bus stop amenities programs and participate in capital planning, coordination, and support activities for the Orange Transit Plan update. Specific tasks include but are not limited to project scope, schedule, and budget development and monitoring; quarterly reporting; and management of consultants and contractors. Planning tasks: planning/prioritization for bus stop and park-and-ride improvements; management and technical consultant oversight; environmental planning and coordination with regulatory agencies for federally funded projects; and coordination to support CHT's N-S BRT project. Design/Engineering/Architecture tasks: field investigations, feasibility analysis, consultant oversight, and technical support for bus stop and park-and-ride improvements; design management, project coordination, and technical support for major facilities projects; and feasibility analysis and implementation oversight for BOSS. Construction Management tasks: project management, contractor oversight, and construction inspection. Project Coordination tasks: managing coordination with GoTriangle's partners; facilitating productive partnering; promoting schedule and budget adherence and fostering timely conflict resolution. Project Controls Support tasks: eBuilder administration; document management; contract administration; project controls support including budget and schedule monitoring, risk management support, and reporting.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

5% - reporting

45% - management and execution of technical, coordination, and support activities for the Orange Transit Plan update

50% - management and execution of planning, design, and construction management activities for GoTriangle capital projects in the Durham Transit Plan

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		161,200	165,200	169,300	173,500	669,200
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		161,200	165,200	169,300	173,500	669,200

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS			FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ 161,200.00	\$ 165,200.00	\$ 169,300.00	\$ 173,500.00	\$ 669,200.00
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS			\$ 161,200.00	\$ 165,200.00	\$ 169,300.00	\$ 173,500.00	\$ 669,200.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
20GOTAD13			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	013			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Transit Planning - Support Services	GoTriangle	Meg Scully	Current Year	\$ 30,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	On-Going	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>NOTE: The project request is a continuation of on-going operating: Consolidation regional transit planning functions from 20GOT_AD3 (support consultants) submissions approved in FY20 Workplan</p> <p>GoTriangle is requesting reimbursement for on-going support costs (including indirect costs) that benefit the Orange County Tax District. The Support Consultant costs are split 50% Durham and 50% Orange which include regional contracts - DCHC Annual Contract of \$25,625 and <u>removal of the</u> NCSU Transit Regional Model contracts of \$125,562.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

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List any other relevant information not addressed.

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Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		30,000	30,800	31,600	32,400	124,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		30,000	30,800	31,600	32,400	124,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2019 and the estimated annualized cost in FY 2020 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2021 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2021 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -
Contracts		\$ 30,000.00	\$ 30,800.00	\$ 31,600.00	\$ 32,400.00	\$ 124,800.00
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 30,000.00	\$ 30,800.00	\$ 31,600.00	\$ 32,400.00	\$ 124,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Project cost assumes support costs up to FY24 and is expected to continue beyond this period.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD4			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	004			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Legal and Real Estate - Support Staff	GoTriangle	Thomas Henry / Gary Tober	Current Year	\$ 89,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
NOTE: The project request is a continuation of on-going operating: Specifically consolidation legal and real estate functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan GoTriangle will continue to allocate 0.4 FTE of Legal and Real Estate - support staff to the Orange Transit Plan. Staffing includes budgeted time for Assistant General Counsel, Director of Real Estate and Facilities and Real Estate Administrator. In FY21 the Legal and Real Estate functions will continue : <ul style="list-style-type: none"> • Legal and Real Estate services related to Hillsborough Park-and-Ride • Interlocal Agreements related to Transit Plan administration • General counsel related to Public Records, Open Meetings, Ethics, Contracts and Procurement 				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

Ongoing commitments on the litigation related to DOLRT; condemnation trials, condemnations appeals and new Transit plan development

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		89,000	91,200	93,500	95,800	369,500
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		89,000	91,200	93,500	95,800	369,500

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS			FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ 89,000.00	\$ 91,200.00	\$ 93,500.00	\$ 95,800.00	\$ 369,500.00
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS			\$ 89,000.00	\$ 91,200.00	\$ 93,500.00	\$ 95,800.00	\$ 369,500.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD5			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	005			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Marketing , Communication and PE - Support Staff	GoTriangle	Juan Carlos Erikson (jerikson@gotriangle.org)	Current Year	\$ 49,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation Marketing, Communication and Public Engagement functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan

GoTriangle is requesting funding for .5 FTEs that will be dedicated to public engagement. The Public Engagement Specialist will work under the Community Engagement Manager, in the Communications & Public Affairs department at GoTriangle, directly collaborating with project teams to plan and execute public involvement activities related to the development and implementation of the Orange County Transit Plan. They will support the establishment and maintenance of relationships with community stakeholders that include public officials, strategic partners, community groups, property owners and businesses.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The 0.5 FTE is primarily responsible for the development and implementation of comprehensive and culturally competent communications and public relations strategies, spending the majority of their time developing strong and positive community relations through presentations, pop-up events, public meetings, participation in festivals, and connections with sustained relationships with community groups. Additionally, the Public Engagement Specialist will organize and support GoTriangle's Transit Advisory Committee, manage consultants in support of project objectives, track and analyze data via online engagement tools, manage GoTriangle Ambassadors program, and produce public-facing reports on their work.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		49,700	50,900	52,200	53,500	206,300
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		49,700	50,900	52,200	53,500	206,300

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 49,700.00	\$ 50,900.00	\$ 52,200.00	\$ 53,500.00	\$ 206,300.00
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 49,700.00	\$ 50,900.00	\$ 52,200.00	\$ 53,500.00	\$ 206,300.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD12			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	012			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Marketing, Communication and PE - Support Services	GoTriangle	Juan Carlos Erikson (jerikson@gotriangle.org)	Current Year	\$ 30,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			

NOTE: The project request is a continuation of on-going operating: Specifically consolidation Marketing, Communication and Public Engagement functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan
GoTriangle is requesting funding for support services that will be dedicated to engaging equitably with the community. This project will support ongoing community engagement efforts, marketing and communications activities related to the Orange Transit Plan. Funding will also support our capacity to utilize creative consultant services, or expand the scope of service through current consultants, to support materials for community outreach, public meetings, marketing campaigns, information kits, web elements, translation and interpretation, etc.

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The activities encompassed under this project will focus on improving the community's understanding and awareness of the Orange Transit plan and services, such as expanded bus service, Youth GoPass, Major Capital Investments. This includes but is not limited to the collection of feedback from a wide range of stakeholders to

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		30,000	30,800	31,600	32,400	124,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		30,000	30,800	31,600	32,400	124,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2019 and the estimated annualized cost in FY 2020 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2021 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2021 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS			FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes				\$ -	\$ -	\$ -	\$ -
Contracts				\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service				\$ -	\$ -	\$ -	\$ -
Other (Describe)	Support Services		\$ 30,000.00	\$ 30,800.00	\$ 31,600.00	\$ 32,400.00	\$ 124,800.00
Other (Describe)				\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS			\$ 30,000.00	\$ 30,800.00	\$ 31,600.00	\$ 32,400.00	\$ 124,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
21GOTAD6			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	AD			
(Unique Number)	006			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
TPA - Regional Technology and Administration - Support Staff	GoTriangle	Sandra Freeman	Current Year	\$ 72,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018	Ongoing	(Add notes as appropriate)		

Project Description Enter below a summary of the project that may later be used for the Transit Work Plan.

NOTE: The project request is a continuation of on-going operating: Specifically consolidation technology and contract administration functions from 20GOT_AD2 support services submissions approved in the FY20 Workplan

GoTriangle will continue to allocate 0.4 FTE of Regional Technology and Administration - support staff to the Orange Transit Plan. Staffing includes budgeted time for the Regional Technology Manager, Contract and Grants Coordinator and Contract Administrator. In FY21 the Technology and Administration functions will continue :

- Proposed continuation of the outcomes of the Regional Technology study that assess existing technology within all participating transit agencies, in order to design a coordinated technology integration plan. One such outcome is the mobile-ticketing transition that will be in the process of implementation.
- Contract and Grant management services - including procurement, contract administration, grant allocations, etc
- Assist with the strategic capital improvement of regional park and ride program, proposed RTC relocation, and other infrastructure projects

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

The Regional Technology Project Manager will manage the implementation of the coordinated technology integration plan as part of the annual workplan development process. After implementation, the Project Manager will provide on-going technical support for data updates, required system upgrades, maintenance. A portion of their time will be allocated to Durham, Orange and Wake.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		72,700	74,500	76,400	78,300	301,900
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		72,700	74,500	76,400	78,300	301,900

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request							
OPERATING COSTS			FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ 72,700.00	\$ 74,500.00	\$ 76,400.00	\$ 78,300.00	\$ 301,900.00
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS			\$ 72,700.00	\$ 74,500.00	\$ 76,400.00	\$ 78,300.00	\$ 301,900.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Includes Staffing and indirect cost allocation

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Administration	FY START DATE	7/1/2020
18GOTAD10			FY 2021	
Unique Request ID: [FY Project Start year]	18			
[Three letter Agency]	GOT			
[Project Type]	AD			
[Unique Number]	010			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Customer Surveys	GoTriangle	Juan Carlos Erikson (jerikson@gotriangle.org)	Current Year	\$ 11,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2018		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>GoTriangle will use these funds to continue the development and implementation of annual transit customer surveys that help to continually evaluate user experiences as additional services are implemented. Routes surveyed include the 400, 405, 800, 805, CRX, and the ODX, all of which provide service to Orange County.</p>				

Project Monitoring Details

Administration: Describe proposed responsibilities and duties for new position requests.

Provide each major intended function, and the percentage of time devoted to each function.

Results from the customer surveys will be shared with partners upon completion. They will also be used as a benchmark in the coming years as additional improvements are implemented.

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		11,000	11,300	11,600	11,900	45,800
Other Revenue						
Federal -						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		11,000	11,300	11,600	11,900	45,800

Transit Operations: Estimated appropriations to support expenses.

Enter FY 2021 and the estimated annualized cost in FY 2022 using the 2.5% growth factor, if applicable. The spreadsheet will calculate 2022 and beyond by 2.5%. If your project is not expected to have recurring costs in FY 2022 and/or beyond, delete the calculation(s) in columns F-H.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ 11,000.00	\$ 11,300.00	\$ 11,600.00	\$ 11,900.00	\$ 45,800.00
Other (Describe)			\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 11,000.00	\$ 11,300.00	\$ 11,600.00	\$ 11,900.00	\$ 45,800.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Survey and common functions costs

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS2			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	GOT			
(Project Type)	TS			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 800 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 381,200
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>This project consolidates all off-peak span and frequency improvements to GoTriangle Route 800 (Chapel Hill - Southpoint - RTC) since the Tax District began providing funding for it. On Route 800:</p> <ul style="list-style-type: none"> - Weekday midday frequency was increased from 60 to 30 minutes. - Saturday daytime frequency was increased from 60 to 30 minutes. - Saturday evening service was extended from 7:15 PM to 11:20 PM. - Sunday service was added from 6:45 AM to 7:20 PM. - It also includes former 19GOT_TS1 extending service to 9:20 PM (the 800 component) and 18GOT_TS4 adding additional trips (800S) <p>Costs are allocated 50% to Durham County and 50% to Orange.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
NC-54 and I-40 between UNC Hospitals and Regional Transit Center	People traveling between Chapel Hill, Southpoint, RTP, and Raleigh at off-peak times	More options for travel times

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 6:00 AM - 11:10 PM, Sat: 6:50 AM - 11:20 PM, Sun: 6:50 AM - 9:10 PM
c) Frequency	Every 15, 30 or 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	UNC Hospitals - Regional Transit Center
f) Major Market Destinations Served	UNC Chapel Hill, The Streets at Southpoint, RTP
g) Revenue Hours	From project: 15.44 on weekdays; 16.42 on Saturdays; 18.33 on Sundays.

Finance Estimates

Revenue

	FY20	FY21	FY22	FY23	FY24	Total
Tax Revenue						
Durham - Orange County Tax Revenue	457,598	381,200	390,700	400,500	410,500	2,040,498
Other Revenue						
Federal						-
State						-
Farebox						-
Subtotal Other	-	-	-	-	-	-
TOTAL REVENUE	457,598	381,200	390,700	400,500	410,500	2,040,498

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request

	FY20	FY21	FY22	FY23	FY24	Total
OPERATING COSTS						
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours	3,442.27	2,925.14	2,925.14	2,925.14	2,925.14	
Cost per Hour	\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost	\$ 457,597.51	\$ 381,200.00	\$ 390,700.00	\$ 400,500.00	\$ 410,500.00	\$ 2,040,497.51
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 457,597.51	\$ 381,200.00	\$ 390,700.00	\$ 400,500.00	\$ 410,500.00	\$ 2,040,497.51
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 457,597.51	\$ 381,200.00	\$ 390,700.00	\$ 400,500.00	\$ 410,500.00	\$ 2,040,497.51

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS3			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	GOT			
(Project Type)	TS			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 400 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 326,700
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>This project consolidates all off-peak span and frequency improvements to GoTriangle Route 400 (Durham - Chapel Hill) since the Tax District began providing funding for it. On Route 400:</p> <ul style="list-style-type: none"> - Weekday midday frequency was increased from 60 to 30 minutes. - Saturday daytime frequency was increased from 60 to 30 minutes. - Saturday evening service was extended from 6:55 PM to 10:55 PM. - Sunday service was added from 7:00 AM to 6:55 PM. It also includes former 19GOT_TS1 extending service to 8:55 PM (the 400 component). <p>Costs are allocated 50% to Durham County and 50% to Orange.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Erwin Rd, US-15/501, and Franklin St between Durham Station and UNC Hospitals.	People traveling between Durham and Chapel Hill at off-peak times	More options for travel times

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 6:15 AM - 10:55 PM, Sat: 7:00 AM - 10:55 PM, Sun: 7:00 AM - 8:55 PM
c) Frequency	Every 30 or 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Durham Station - UNC Hospitals
f) Major Market Destinations Served	UNC Chapel Hill, Patterson Place, Duke & VA Medical Centers
g) Revenue Hours	From project: 10.03 on weekdays; 23.58 on Saturdays; 22.25 on Sundays

Finance Estimates

Revenue							
Tax Revenue	FY20	FY21	FY22	FY23	FY24	Total	
Durham - Orange County Tax Revenue	343,632	326,700	334,900	343,200	351,800	1,700,232	total base
Other Revenue							
Federal						-	
State						-	proj
Farebox						-	days
Subtotal Other	-	-	-	-	-	-	wee
TOTAL REVENUE	343,632	326,700	334,900	343,200	351,800	1,700,232	Sat

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request

OPERATING COSTS	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contracts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours	2,705.76	2,507.13	2,507.13	2,507.13	2,507.13	
Cost per Hour	\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost	\$ 343,631.52	\$ 326,700.00	\$ 334,900.00	\$ 343,200.00	\$ 351,800.00	\$ 1,700,231.52
Bus Leases	\$ -	\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease	\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)	\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)	\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 343,631.52	\$ 326,700.00	\$ 334,900.00	\$ 343,200.00	\$ 351,800.00	\$ 1,700,231.52
Other (Describe)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 343,631.52	\$ 326,700.00	\$ 334,900.00	\$ 343,200.00	\$ 351,800.00	\$ 1,700,231.52

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS5			FY 2021	
Unique Request ID: [FY Project Start year]	20			
[Three letter Agency]	GOT			
[Project Type]	TS			
[Unique Number]	005			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route ODX	GoTriangle	Erik Landfried	Current Year	\$ 178,500
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>A new Orange-Durham Express route was implemented, linking Mebane, Efland, and Hillsborough in Orange County to the Duke & VA Medical Centers and downtown Durham during weekday peak hours.</p> <p>Costs are allocated 50% to Durham County and 50% to Orange.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
I-85, I-40, US-70, and NC-147 between the Orange County line and downtown Durham	People traveling between Orange County and Durham at peak times	Ability to Park-and-Ride to major employers in Durham, plus reverse commute access for Durham residents to Orange County employers

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 5:45 AM - 8:55 AM and 4:00 PM - 7:10 PM
c) Frequency	Every 15 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Efland-Cheeks Community Center - Durham Station
f) Major Market Destinations Served	Mebane Cone Health P&R, Durham Tech OCC, Downtown Hillsborough, Duke & VA Medical Centers, Downtown Durham
g) Revenue Hours	Weekday: 10.83 (all from this project)

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		168,688	178,500	183,000	187,600	192,300	910,088
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		168,688	178,500	183,000	187,600	192,300	910,088

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		1,328.25	1,370.00	1,370.00	1,370.00	1,370.00	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 168,687.75	\$ 178,500.00	\$ 183,000.00	\$ 187,600.00	\$ 192,300.00	\$ 910,087.75
Bus Leases		\$ -	\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 168,687.75	\$ 178,500.00	\$ 183,000.00	\$ 187,600.00	\$ 192,300.00	\$ 910,087.75
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 168,687.75	\$ 178,500.00	\$ 183,000.00	\$ 187,600.00	\$ 192,300.00	\$ 910,087.75

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#	Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS6		FY 2021	
Unique Request ID: [FY Project Start Year]		20	
[Three letter Agency]		GOT	
[Project Type]		TS	
[Unique Number]	006		

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route CRX Improvements	GoTriangle	Erik Landfried	Current Year	\$ 61,400
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Due to high demand for express service between Chapel Hill and Raleigh, additional trips were added to Route CRX (Chapel Hill - Raleigh Express).</p> <p>This project was originally charged 100% to Orange County, but proportionate additional investment from Wake County started in Wake's FY 2019 work plan.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
NC-54 and I-40 between UNC Chapel Hill and downtown Raleigh	People traveling between Chapel Hill and Raleigh at peak times	More options for trip times, and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 5:45 AM - 9:55 AM and 3:00 PM - 7:40 PM
c) Frequency	Every 20-45 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Downtown Chapel Hill - GoRaleigh Station
f) Major Market Destinations Served	UNC Chapel Hill, NC State University, Downtown Raleigh
g) Revenue Hours	From project: 4.14 rev/h

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		61,096	61,400	63,000	64,500	66,100	316,096
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		61,096	61,400	63,000	64,500	66,100	316,096

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ 127.00	\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		481.07	471.37	471.37	471.37	471.37	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 61,095.89	\$ 61,400.00	\$ 63,000.00	\$ 64,500.00	\$ 66,100.00	\$ 316,095.89
Bus Leases		\$ -	\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 61,095.89	\$ 61,400.00	\$ 63,000.00	\$ 64,500.00	\$ 66,100.00	\$ 316,095.89
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 61,095.89	\$ 61,400.00	\$ 63,000.00	\$ 64,500.00	\$ 66,100.00	\$ 316,095.89

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

The rev/hours match Wake Transit, but it is lower than the amount of service provided.

Unique Project ID#	Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20GOT_TS9		FY 2021	
Unique Request ID: [FY Project Start Year]		20	
[Three letter Agency]		GOT	
[Project Type]		TS	
[Unique Number]	009		

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Route 405 Improvements	GoTriangle	Erik Landfried	Current Year	\$ 20,600
Estimated Start Date	Estimated Completion	Notes		
Already implemented	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Due to high demand for express service between Durham and Chapel Hill, additional trips were added to Route 405.				
This project is charged 50% to Durham County and 50% to Orange County.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
US 15-501 corridor between Durham Station/Duke University and Chapel Hill/Carrboro	People traveling between Durham and Chapel Hill at peak times	More options for trip times, and less crowding

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented
b) Span	Weekday: 5:45 AM - 9:50 AM and 3:10 PM - 7:20 PM
c) Frequency	Every 30 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	Durham Station - Carrboro/UNC Hospitals
f) Major Market Destinations Served	Downtown Durham, Durke University, Chapel Hill, Carrboro
g) Revenue Hours	From project: 1,25 rev/h

Finance Estimates

Revenue							
Tax Revenue		FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue		38,397	20,600	21,100	21,600	22,200	123,897
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other		-	-	-	-	-	-
TOTAL REVENUE		38,397	20,600	21,100	21,600	22,200	123,897

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS		FY20	FY21	FY22	FY23	FY24	Total
Growth Factors			2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours		302.34	158.13	158.13	158.13	158.13	
Cost per Hour		\$ 127.00	\$ 130.31	\$ 133.57	\$ 136.91	\$ 140.33	
Estimated Operating Cost		\$ 38,397.18	\$ 20,600.00	\$ 21,100.00	\$ 21,600.00	\$ 22,200.00	\$ 123,897.18
Bus Leases		\$ -	\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 38,397.18	\$ 20,600.00	\$ 21,100.00	\$ 21,600.00	\$ 22,200.00	\$ 123,897.18
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 38,397.18	\$ 20,600.00	\$ 21,100.00	\$ 21,600.00	\$ 22,200.00	\$ 123,897.18

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

The cost had not been split between counties.

Unique Project ID#	Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020	
19GOT_TS8		FY 2021		
Unique Request ID: [FY Project Start year]		19		
[Three letter Agency]		GOT		
[Project Type]		TS		
[Unique Number]	008			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Paratransit expansion	GoTriangle	Erik Landfried	Current Year	\$ 21,600
Estimated Start Date	Estimated Completion	Notes		
Not implemented, some addition starting August	N/A			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Due to span increases on Saturday, Sundays and holidays for Routes 400, 700, and 800, there are additional ADA paratransit costs incurred. These costs are split 64% to Durham County and 36% to Orange County.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Durham and Orange Counties	ADA paratransit customers within 3/4 mile of Routes 400, 700, and 800	Federally required access for persons with disabilities

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	Already implemented w/exception of Sunday span increase from 7-9pm and new holiday service
b) Span	Sat: 9:00PM - 11:00 PM, Sun/holiday: 7:00 AM - 9:00 PM
c) Frequency	Every 60 minutes
d) Assets Used	GoTriangle vehicles
e) Geographic Termini	3/4 mile of Routes 400, 700, 800
f) Major Market Destinations Served	Durham and Orange Counties
g) Revenue Hours	n/a

Finance Estimates

Revenue							
Tax Revenue	FY19	FY20	FY21	FY22	FY23	FY24	Total
Durham - Orange County Tax Revenue	19,001	21,000	21,600	22,200	22,800	23,400	130,001
Other Revenue							
Federal							-
State							-
Farebox							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	19,001	21,000	21,600	22,200	22,800	23,400	130,001

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request							
OPERATING COSTS	FY19	FY20	FY21	FY22	FY23	FY24	Total
Growth Factors		10.77%	2.50%	2.50%	2.50%	2.50%	
Salary & Fringes			\$ -	\$ -	\$ -	\$ -	\$ -
Contracts			\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:							
Estimated Hours	146.16	146.16	146.16	146.16	146.16	146.16	
Cost per Hour	\$ 130.00	\$ 144.00	\$ 148.00	\$ 152.00	\$ 156.00	\$ 160.00	
Estimated Operating Cost	\$ 19,000.80	\$ 21,000.00	\$ 21,600.00	\$ 22,200.00	\$ 22,800.00	\$ 23,400.00	\$ 130,000.80
Bus Leases			\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)			\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations	\$ 19,000.80	\$ 21,000.00	\$ 21,600.00	\$ 22,200.00	\$ 22,800.00	\$ 23,400.00	\$ 130,000.80
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)			\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS	\$ 19,000.80	\$ 21,000.00	\$ 21,600.00	\$ 22,200.00	\$ 22,800.00	\$ 23,400.00	\$ 130,000.80

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Estimated hours is based on budgeted paratransit hours related to span increases for FY18 budget plus an assumption of 25% of the fixed route costs to provide additional Sunday span (7 to 9pm) and new holiday service.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21GOT_001			FY 2021	
Unique Request ID: (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	OO			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Youth Gopass	GoTriangle	Eric Bergstraesser	Current Year	\$ 16,900
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>For youth ages 13-18, transit agencies across Orange, Wake and Durham County will continue to offer a 'Youth GoPass' program. These fare passes are issued by GoTriangle, GoDurham, GoRaleigh, or GoCary with valid K-12 School ID Cards, or with transit agency issued identification cards. GoTriangle, GoDurham GoRaleigh, GoCary, and , in partnership with the respective County's, will continue to work with schools along triangle County's bus network to issue the passes. Passes will also continue to be available to those with a valid ID at GoDurham Station, GoRaleigh Station, the Town of Cary Finance Department, the GoTriangle Regional Transportation Center, public libraries, and regional centers. This project covers the cost of offsetting fares that would have been collected by GoTriangle in the county share of routes, in addition to purchasing the supplies needed for this program. The estimated cost is allocation of GoTriangle- Orange share of Youth GoPass boardings in Orange County</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Regional - Orange Share	For youth ages 13-18	Provides Transit access to the next generation of Transit riders.

Project Monitoring Details

Operating Projects

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		16,900	17,300	17,700	18,100	70,000
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		16,900	17,300	17,700	18,100	70,000

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 16,900.00	\$ 17,300.00	\$ 17,700.00	\$ 18,100.00	\$ 70,000.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 16,900.00	\$ 17,300.00	\$ 17,700.00	\$ 18,100.00	\$ 70,000.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Route	Per Boarding	CY2019 Actual	CY2019 Cost	FY2021 Proj.	FY2021 Cost
400	\$0.50	4,153	\$2,076.50	7,051	\$3,525.50
405	\$0.50	1,873	\$936.50	2,851	\$1,425.50
420	\$1.00	53	\$53.00	53	\$53.00
800	\$0.50	5,388	\$2,694.00	8,490	\$4,245.00
805	\$0.50	11,576	\$5,788.00	11,576	\$5,788.00
ODX	\$0.625	924	\$577.50	924	\$577.50
Sub.		23,967	\$12,125.50	30,945	\$15,614.50
CRX	\$0.625	1,460	\$912.50	2,042	\$1,276.25
Total		25,427	\$13,038.00	32,987	\$16,890.75

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
21GOT_002			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	00			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Fare Collection Improvements (D)	GoTriangle	Eric Bergstraesser	Current Year	\$ 18,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		

Project Description *Enter below a summary of the project that may later be used for the Transit Work Plan.*

This project will cover the annual costs associated with updated mobile ticketing technology for GoTriangle buses. Share of cost based on FY19 boardings reported in Orange County.

This project request also allocates a portion of hold harmless against any reduction of fare revenue as a result of implementing this uniform fare strategy. The regional fare-working groups priorities include (1) Improving Pass Distribution and Sales; (2) Balance Revenue and Ridership Goals; (3) Improve the Passenger Experience; (4) Improve Regional Coordination; (5) Make Transit an Affordable Option; and (6) Explore New Fare Technologies. These earmarked funds will be estimated and will be dependent on the final methodology developed by a Fare Working Group.

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Regional - Orange Share	Durham, Orange and Wake County	To improve the transit passengers' experience.

Project Monitoring Details

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		18,000	18,500	19,000	19,500	75,000
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		18,000	18,500	19,000	19,500	75,000

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ 18,000.00	\$ 18,500.00	\$ 19,000.00	\$ 19,500.00	\$ 75,000.00
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 18,000.00	\$ 18,500.00	\$ 19,000.00	\$ 19,500.00	\$ 75,000.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Orange Share of GoTriangle boardings in FY19 was 429,247 and informed the estimated share of Mobile Ticketing Transaction fee of \$12,000 and hold harmless proposed estimate for FY21 of \$6,000 and will be refined based on uniform fare policy across the region.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18GOT_CD11			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	GOT			
(Project Type)	CD			
(Unique Number)	011			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Mebane Park and Ride Feasibility Study	GoTriangle	Jay Heikes	Current Year	\$ 10,000
Estimated Start Date	Estimated Completion	Notes		
October 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Establish site parameters and evaluation criteria for a 150-200 space park and ride to be shared by GoTriangle, PART, and Orange County Public Transit. Identify up to five candidate sites. Screen sites and select preferred site and an alternate site. Develop 10% conceptual design for a preferred location and a possible alternate. BGMPO TAC approved UPWP FY21 request at its January 2020 meeting. PART, Orange County, City of Mebane have all expressed written support of this funding reallocation.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Mebane	City of Mebane and Western Orange County Residents. GoTriangle ODX, Part 4, and Alamance-Orange Connector riders	Increased park and ride capacity; improved stop amenities

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Increased Park and ride capacity by 100-150 spaces (50 existing spaces)	Increased ridership	Fewer Customer complaints	Qualitative	Improved Customer Satisfaction
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List any other relevant information not addressed.

Cone Health has not been supportive of stop improvements in the current location or an increase in the number of leased spaces. Currently 50 spaces are leased, average daily park and ride use is 80 between GoTriangle and PART.
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Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	-	10,630		-	-	-	10,630
Other Revenue							
Federal - Approved BGMPO UPWP FY21			\$ 40,000				40,000
State							-
Other:							-
Subtotal Other	-	-	40,000	-	-	-	40,000
TOTAL REVENUE	-	10,630	40,000	-	-	-	50,630

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies			\$ 10,630				\$ 10,630
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	10,630	-	-	-	10,630

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOT_VP1			FY 2021	
Unique Request ID: (FY Project Start Year)	21			
(Three letter Agency)	GOT			
(Project Type)	VP			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Vehicle acquisition and replacement	GoTriangle	Eric Bergstraesser	Current Year	\$ 903,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020		(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>GoTriangle implemented a level buying bus acquisition strategy that will replace 1/12th of the fleet per year. The strategy includes approximately 10 vehicle re-powers (per-year) with an ultimate goal of having a fleet average age of 6 years. Previous Adopted Transit Plans have allocated \$1.9M for a combination of New and Replacement buses. Based on current knowledge of the GoTriangle fleet size starting in FY21, there is an urgent need to replace expansion service provided in the County since 2013. The addition to Transit funded routes have added to the wear and tear of the current fleet at a very accelerated rate. The proposed strategy will allow GoTriangle to maintain the current fleet size with meeting the goal of reliable transportation for the residents within the County. GoTriangle anticipates approximately \$1.8M is expected to be available entering FY21 and would utilize those funds before a new funding request to new Orange Transit Plan. Based on early estimation that request would occur in FY23. The Board Adopted Bus Plan allocated funds of ~\$15.8M for GoTriangle from FY21 to FY27. This strategy changes the allocation of a 100% funding for "new buses" and a smaller % for replacement buses GoTriangle created a calculation based on the breakdown of (GoTriangle) mileage by Orange and Non-Orange mileage based on the current Transit Bus Plan and the expected Route sponsors are listed below. If new routes/services (packages) are assigned in the County to GoTriangle additional Buses might be needed to be purchased and an additional project sheet might be submitted in a subsequent year. Since this allocation is based on the Adopted Multiyear Bus Plan it includes the expectation of CRT services occurring beyond FY27 which impact the FY27 mileage allocation.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Regional - Orange Share	Durham, Orange and Wake County	* A Set of capital projects to improve the transit passengers' experience and service reliability.

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Improvement of passenger experience	Service reliability		Qualitative	
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List any other relevant information not addressed.

Miles Breakout based on Orange Transit Bus Plan

Expected Miles (Orange) - FY21 (20%) - Expected Miles (Non-Orange) - FY21 (80%)
 Expected Miles (Orange) - FY22 (20%) - Expected Miles (Non-Orange) - FY22 (80%)
 Expected Miles (Orange) - FY23 (18%) - Expected Miles (Non-Orange) - FY23 (72%)
 Expected Miles (Orange) - FY24 (18%) - Expected Miles (Non-Orange) - FY24 (72%)
 Expected Miles (Orange) - FY25 (18%) - Expected Miles (Non-Orange) - FY25 (72%)
 Expected Miles (Orange) - FY26 (18%) - Expected Miles (Non-Orange) - FY26 (72%)
 Expected Miles (Orange) - FY27 (18%) - Expected Miles (Non-Orange) - FY27 (72%)

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	-	-	903,000	903,000	-	-	1,806,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	903,000	903,000	-	-	1,806,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)			\$ 903,000	\$ 903,000			\$ 1,806,000
TOTAL CAPITAL COSTS	-	-	903,000	903,000	-	-	1,806,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

Estimated Vehicle acquisition share based on level buying program distributed proportionately on vehicle miles in each county. By FY21, GoTriangle would have provided an estimated 820,561 expansion vehicle miles in Orange County

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOT_CO1			FY 2021	
Unique Request ID: [FY Project Start year]	21			
[Three letter Agency]	GOT			
[Project Type]	CO			
[Unique Number]	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Origin Destination Survey	GoTriangle	Jay Heikes	Current Year	\$ 250,000
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Tablet Based Transit-On-Board Origin-Destination Survey to record transit travel behavior and produce data available for analysis about transit travel markets. This information is an essential input into both the Triangle Regional Model and FTA's Simplified Trips on Project Software. All projects in CIG rely on this data. All projects that receive state funding also rely on this data. This last transit-on-board survey was conducted in 2014 in Orange and Durham and in 2015 for Wake. The FY21 Wake County Transit Plan has funding to conduct surveys for all Wake County Transit agencies in Fall of 2020. FTA and industry best practice is to conduct a regional survey at a single point in time. Doing so will allow for more timely and less costly post-processing than if studies were conducted in different time windows and by different vendors. This funding is essential to create a single, up-to-date regional transit-on-board origin-destination survey.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County	All existing and future transit riders	1. Up-to-date Data necessary for Service and Capital Planning 2. Enable data-driven decisions on future transit plan investments

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

			Qualitative	
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List any other relevant information not addressed.

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Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	-	-	250,000	-	-	-	250,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	250,000	-	-	-	250,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies			\$ 250,000				\$ 250,000
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	250,000	-	-	-	250,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

estimate based on actual cost to complete this survey work in 2014, inclusion of Duke Transit, and cost escalation / CPI
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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOT_CO2			FY 2021	
Unique Request ID: [FY Project Start Year]	21			
[Three letter Agency]	GOT			
[Project Type]	CO			
[Unique Number]	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
GoTriangle Short Range Transit Plan	GoTriangle	Erik Landfried	Current Year	\$ 31,250
Estimated Start Date	Estimated Completion	Notes		
January 1, 2021	January 1, 2022	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Upon completion of the Orange County Transit Plan update, GoTriangle will need to put together an updated Short Range Transit Plan that includes the service adjustments envisioned in updates to all three County plans (Durham, Orange, and Wake). This project represents 12.5% of the cost of that planning effort, which is the same assumption being made for similar capital project studies that include all three counties, including the Regional Transit Center relocation study.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
n/a	A consolidated Short Range Transit Plan will allow GoTriangle to effectively deliver the projects it sponsors.	A GoTriangle SRTP will provide more details on operating projects and associated capital projects along with an updated fleet plan. This is key for effectively managing our resources and will make it much easier to populate future work plans.

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Final GoTriangle Short Range Transit Plan			Qualitative	
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Tax Revenue							
Orange County Tax Revenue	-	-	31,250	-	-	-	31,250
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	-	31,250	-	-	-	31,250

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies			\$ 31,250				\$ 31,250
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	31,250	-	-	-	31,250

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

The GoTriangle Short Range Transit Plan is estimated to cost \$250,000. \$31,250 is 12.5% of the total cost, which is the same assumption being made for similar capital project studies that include all three counties, including the Regional Transit Center relocation study.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
21GOT_C03			FY 2021	
Unique Request ID (FY Project Start year)	21			
(Three letter Agency)	GOT			
(Project Type)	CO			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Transit Facilities Study	GoTriangle	Jay Heikes	Current Year	\$ 37,500
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020	June 30, 2021	(Add notes as appropriate)		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>Included in this study would be an assessment of the existing facility space, capacity, and work-flow efficiency of the Nelson Road BOMF. It will also include elements of a larger GoTriangle fleet and facilities plan including possible relocation and/or expansion of the Nelson Road BOMF following on the recently completed facility assessment. The goal would be to conduct a coordinated regional maintenance, storage, and charging station facility study. The study will also include a regional electric bus charging infrastructure needs assessment. In FY18 cost share was split only between GoTriangle CIP and Wake Transit. The 37,500 would allow for 1) the (6.25%) Orange Share of the Nelson Road BOMF assessment and relocation / expansion feasibility study and 2) the Orange share (6.25%) for a regional electrical bus charging infrastructure needs assessment. This second study is made possible by re-directing \$50,000 of GoTriangle CIP and \$31,250 of Wake Transit Plan funds for the specific purpose of electrical vehicle charging infrastructure .</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
GoTriangle Nelson Road BOMF	Safe and Reliable buses for all transit riders	1. Improve Bus Operations Efficiency 2. Determine future capacity needs

Project Monitoring Details

Quantitative and Qualitative Outcomes		**Please list up to 3 Quantitative metrics and 1 Qualitative		
Increased Capacity to store and maintain vehicles	Increased Customer Satisfaction scores in rider surveys		Qualitative	

List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY 18 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue		-	37,500	-	-	-	37,500
Other Revenue							
Other: Durham			\$ 975,000				975,000
Other: FY18 GoTriangle CIP		\$ 300,000					300,000
Other: FY18 Wake		\$ 200,000					200,000
Subtotal Other	-	500,000	975,000	-	-	-	1,475,000
TOTAL REVENUE	-	500,000	1,012,500	-	-	-	1,512,500

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request							
CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies		\$ 500,000	\$ 1,012,500				\$ 1,512,500
Land - Right of Way							\$ -
Design & Engineering							\$ -
Construction - Implementation							\$ -
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	500,000	1,012,500	-	-	-	1,512,500

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

- GoTriangle / Nelson Road Regional BOMF -- 500K (50% GoTriangle, 6.25% Orange, 12.5% Durham, 31.25% Wake) (WAS: FY18: GoTriangle \$300,000; Wake 200,000) (Added Cost share to Durham and Orange - using same proportion as RTC Study - applied to the 50% not covered by GoTriangle CIP)
- Regional Charging Infrastructure (NEW, funded primarily from left-overs from adding Durham and Orange Cost share to the Nelson Road BOMF) -- 112500 (62,500 GoTriangle, 31,250 Wake, 12,500 Durham, 6,250 Orange)

**Orange County / OrangePublicTransit
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)		Authorized Appropriation		Requested Appropriation	
		FY20		FY21	
19OPT_TS1	Continuation of Transit Services	\$	275,061	\$	286,400
19OPT_TS2	Increased Cost of Existing Services	\$	93,364	\$	78,700
20OPT_TS2	Alamance (Health) Connector	\$	120,640	\$	-
20OPT_TS3	Cedar Grove - Durham Express	\$	60,320	\$	-
20OPT_TS4	Hillsborough Circulator Expansion	\$	30,160	\$	30,200
20OPT_TS5	Hillsborough Circulator II	\$	94,656	\$	221,600
20OPT_TS6	Mobility on Demand	\$	36,192	\$	126,900

Total Operating Requests	\$ 710,393	\$ 743,800
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CAPITAL

Summary of Project Requests (Capital)		Authorized Appropriation		Requested Appropriation	
		FY20		FY21	
19OPT_CD1	Bus Stop Improvement (5 OPT Stops) Short Term	\$	137,864	\$	137,864
20OPT_CD1	15 OPT Bus Stop Signs	\$	1,594	\$	1,594
20OPT_CD2	Hillsborough Park-and-Ride - 3(Orange County -Construction)	\$	800,000	\$	800,000
19OPT_VP1	OPT Vehicle Purchases	\$	35,731	\$	35,731
20OPT_VP2	OPT Vehicle Purchases	\$	43,926	\$	43,926
19OPT_AD1	AVL	\$	43,073	\$	43,073
20OPT_AD2	Planning for new Transit Plan	\$	500,000	\$	500,000
20OPT_VP3	OPT Vehicle Purchases	\$	229,500	\$	229,500

Total Capital Requests	\$ 1,791,688	\$ -
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Total Requested	\$ 2,502,081	\$ 743,800
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 = New project request - (Highlight in Orange)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$0	\$0
Transit Operations	\$710,393	\$743,800

FY2021 Transit Plan Allocation

LESS: Total Requested	\$0	\$0
Transit Plan Allocation Remaining (shortfall)	-	-

Total Capital (Agency)

Transit Infrastructure	\$939,458	\$0
Vehicle Acquisition	\$309,157	\$0
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$43,073	\$0
Transit Plan Development	\$500,000	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$1,791,688	\$0
Transit Plan Allocation Remaining (shortfall)	1,791,688	-

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE		7/1/2020
19OPT_TS1			FY 2021		
Unique Request ID: (FY Project Start year)	19				
(Three letter Agency)	OPT				
(Project Type)	TS				
(Unique Number)	001				

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Continuation of Transit Services	OrangePublicTransit\OC	Theo Letman	Current Year	\$ 286,400
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Continuation of the Hillsborough Circulator: to include 8 existing hours and 1 new planned expansion hour per day. Continuation of the Orange Chapel Hill Midday Connector: Nine (9) new expansion hour per day. Twelve (12) hours operated total- 3 existing hors not charged against the plan. The budgeted cost per revenue hour of service is \$58, compared with a cost of \$49.73 per revenue hour in FY2017. In FY2017, OCPT operated 4118 revenue hour of bus service. OCPT will use these funds to cover a portion of the increased cost of the pre-existing services in FY2018. US 70 Midday fixed route service will operate five (5) hours/day 10am-3pm Mon-Fri connecting Hillsborough and Mebane serving transit dependant populations with services to medical, shopping and employment destinations. 1,250 annual hours. Three new zonal routes will operate 5 hours per day of deviated fixed route service two-days per week in each of three zones. Zonal routes will provide new flexible general public route options serving rural areas in Northeast, Northwest and Southern Orange County. 1,560 annual hours (520 hours per zone)				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County	Orange County residents	Continuation of existing transit services and expansion of routes

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	7/1/2018
b) Span	annually
c) Frequency	
d) Assets Used	LTV
e) Geographic Termini	Orange County
f) Major Market Destinations Served	
g) Revenue Hours	7310

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		286,400	301,000	315,700	330,300	1,233,400
Other Revenue						
Federal						-
State						-
Other:		\$ 159,500.00	\$ 159,500.00	\$ 159,500.00	\$ 159,500.00	638,000
Subtotal Other		159,500	159,500	159,500	159,500	638,000
TOTAL REVENUE		445,900	460,500	475,200	489,800	1,871,400

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ 7,310.00	\$ 7,310.00	\$ 7,310.00	\$ 7,310.00	
Cost per Hour		\$ 61.00	\$ 63.00	\$ 65.00	\$ 67.00	
Estimated Operating Cost		\$ 445,900.00	\$ 460,500.00	\$ 475,200.00	\$ 489,800.00	\$ 1,871,400.00
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 445,900.00	\$ 460,500.00	\$ 475,200.00	\$ 489,800.00	\$ 1,871,400.00
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 445,900.00	\$ 460,500.00	\$ 475,200.00	\$ 489,800.00	\$ 1,871,400.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

NOTE: Other sources of revenue includes urbanized area funds that are subject to change. Current forecasts are estimates and are liable to federal fund allocation changes in future years. OCPT will update Other revenue sources each workplan year based on known allocation at the time.

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
19OPT_TS2			FY 2021	
Unique Request ID: (FY Project Start year)	19			
(Three letter Agency)	OPT			
(Project Type)	TS			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Increased Cost of Existing Services	OrangePublicTransit\OC	Theo Letman	Current Year	\$ 78,700
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
<p>The original Orange County Bus and Rail Investment Plan based operating cost on \$49 per hour. Since then operating costs have risen to \$59. In order to continue to fund these services, Orange County Public Transportation utilizes funds from the Orange County Transit Plan to offset some of these cost.</p>				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County	Orange County residents	Continuation of existing transit services and expansion of routes

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	7/1/2019
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

List any other relevant information not addressed.

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		78,700	80,700	82,700	84,800	326,900
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		78,700	80,700	82,700	84,800	326,900

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	
Cost per Hour		\$ -	\$ -	\$ -	\$ -	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 78,744.00	\$ 80,712.60	\$ 82,730.42	\$ 84,798.68	\$ 326,985.69
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 78,700.00	\$ 80,700.00	\$ 82,700.00	\$ 84,800.00	\$ 326,985.69

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

FY21 estmed based on GoTriangle ICES memo dated January 13, 2020

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20OPT_TS2			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	OPT			
(Project Type)	TS			
(Unique Number)	002			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Alamance (Health) Connector	OrangePublicTransit\OC	Theo Letman	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Expansion Project to provide transportation service from the Alamance corridor to UNC Hillsborough, Durham Tech, Weaver St Market, and the Health Department and servicing Hwy 70 in the mid-day.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County, Hillsborough	Orange County residents	Better bus services and expanded service area

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

List any other relevant information not addressed.

1. Provide connecting service to an underserved area via service to the Health Dept

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		-	-	-	-	-
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		-	-	-	-	-

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ -	\$ -	\$ -	\$ -	\$ -
Cost per Hour		\$ 61.00	\$ 63.00	\$ 65.00	\$ 67.00	\$ -
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$ -	\$ -	\$ -	\$ -	\$ -
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ -	\$ -	\$ -	\$ -	\$ -

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20OPT_TS3			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	OPT			
(Project Type)	TS			
(Unique Number)	003			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Cedar Grove - Durham Express	OrangePublicTransit\OC	Theo Letman	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Expansion Project to provide transportation service from the rural Cedar Grove corridor to Duke VA & Hospital, for ultimate connections to GoDurham & GoTriangle service.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange & Durham Counties, Cedar Grove	Orange County residents	Better bus services and expanded service area

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	Increased service connections to our regional partners
g) Revenue Hours	

List any other relevant information not addressed.

1. Provide a connecting express service, to an underserved rural area

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		-	-	-	-	-
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		-	-	-	-	-

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$	-	\$	-	\$ -
Contracts		\$	-	\$	-	\$ -
Bus Operations:						
Estimated Hours		\$	-	\$	-	\$ -
Cost per Hour		\$ 61.00	\$ 63.00	\$ 65.00	\$ 67.00	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$	-	\$	-	\$ -
Park & Ride Lease		\$	-	\$	-	\$ -
Other -Bus (Describe)		\$	-	\$	-	\$ -
Other -Bus (Describe)		\$	-	\$	-	\$ -
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$	-	\$	-	\$ -
Other (Describe)		\$	-	\$	-	\$ -
Other (Describe)		\$	-	\$	-	\$ -
TOTAL OPERATING COSTS		\$ -	\$ -	\$ -	\$ -	\$ -

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20OPT_TS4			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	OPT			
(Project Type)	TS			
(Unique Number)	004			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Hillsborough Circulator Expansion	OrangePublicTransit\OC	Theo Letman	Current Year	\$ 30,200
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Expansion Project to provide extended transportation service in Hillsborough Mon - Fri.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County, Hillsborough	Orange County residents	Peak service expansion

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

List any other relevant information not addressed.

1. Providing extended service on Mon -Fri as requested by the public

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		30,200	30,900	31,700	32,500	125,300
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		30,200	30,900	31,700	32,500	125,300

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$	-	\$	-	\$ -
Contracts		\$	-	\$	-	\$ -
Bus Operations:						
Estimated Hours		\$	-	\$	-	\$ -
Cost per Hour		\$ 61.00	\$ 63.00	\$ 65.00	\$ 67.00	
Estimated Operating Cost		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Leases		\$	-	\$	-	\$ -
Park & Ride Lease		\$	-	\$	-	\$ -
Other -Bus (Describe)		\$	-	\$	-	\$ -
Other -Bus (Describe)		\$	-	\$	-	\$ -
Subtotal: Bus Operations		\$ -	\$ -	\$ -	\$ -	\$ -
Other Purchase of a Service		\$	-	\$	-	\$ -
Other (Describe)		\$ 30,160.00	\$ 30,914.00	\$ 31,686.85	\$ 32,479.02	\$ 125,239.87
Other (Describe)		\$	-	\$	-	\$ -
TOTAL OPERATING COSTS		\$ 30,200.00	\$ 30,900.00	\$ 31,700.00	\$ 32,500.00	\$ 125,239.87

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20OPT_TSS			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	OPT			
(Project Type)	TS			
(Unique Number)	005			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Hillsborough Circulator II	OrangePublicTransit\OC	Theo Letman	Current Year	\$ 221,600
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Expansion Project to increase frequency of transportation in Hillsborough.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County, Hillsborough	Orange County residents	Service expansion to increase bus frequency and shorten length of travel time

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	

List any other relevant information not addressed.

1. Providing additional service to Hillsborough residents

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		221,600	228,000	234,600	241,300	925,500
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		221,600	228,000	234,600	241,300	925,500

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ 2,080.00	\$ 2,080.00	\$ 2,080.00	\$ 2,080.00	
Cost per Hour		\$ 61.00	\$ 63.00	\$ 65.00	\$ 67.00	
Estimated Operating Cost		\$ 126,900.00	\$ 131,000.00	\$ 135,200.00	\$ 139,400.00	\$ 532,500.00
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 126,900.00	\$ 131,000.00	\$ 135,200.00	\$ 139,400.00	\$ 532,500.00
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ 94,656.00	\$ 97,022.40	\$ 99,447.96	\$ 101,934.16	\$ 393,060.52
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 221,600.00	\$ 228,000.00	\$ 234,600.00	\$ 241,300.00	\$ 925,560.52

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Transit Services	FY START DATE	7/1/2020
20OPT_TS6			FY 2021	
Unique Request ID: (FY Project Start year)	20			
(Three letter Agency)	OPT			
(Project Type)	TS			
(Unique Number)	006			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Mobility on Demand	OrangePublicTransit\OC	Theo Letman	Current Year	\$ 126,900
Estimated Start Date	Estimated Completion	Notes		
July 1, 2020				
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Mobility on Demand would be a micro-transit project that would allow for wheelchair accessible vehicles to service rural, underserved areas for access to urban areas on Friday & Saturday from 9am - 5pm.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Orange County, Hillsborough & Chapel Hill & Durham	Orange County residents	Service to transport

Project Monitoring Details

Operating Projects

For bus operating projects, please provide:

a) Target Start Date	
b) Span	
c) Frequency	
d) Assets Used	
e) Geographic Termini	
f) Major Market Destinations Served	
g) Revenue Hours	7280

List any other relevant information not addressed.

1. Provide convenient service to an underserved rural area, connecting residents to urban areas

Finance Estimates

Revenue						
Tax Revenue		FY21	FY22	FY23	FY24	Total
Durham County Tax Revenue		126,900	131,000	135,200	139,400	532,500
Other Revenue						
Federal						-
State						-
Other:						-
Subtotal Other		-	-	-	-	-
TOTAL REVENUE		126,900	131,000	135,200	139,400	532,500

Transit Operations: Estimated appropriations to support expenses.

Cost Break Down of Project Request						
OPERATING COSTS		FY21	FY22	FY23	FY24	Total
Growth Factors		2.50%	2.50%	2.50%	2.50%	
Salary & Fringes		\$ -	\$ -	\$ -	\$ -	\$ -
Contracts		\$ -	\$ -	\$ -	\$ -	\$ -
Bus Operations:						
Estimated Hours		\$ 2,080.00	\$ 2,080.00	\$ 2,080.00	\$ 2,080.00	
Cost per Hour		\$ 61.00	\$ 63.00	\$ 65.00	\$ 67.00	
Estimated Operating Cost		\$ 126,900.00	\$ 131,000.00	\$ 135,200.00	\$ 139,400.00	\$ 532,500.00
Bus Leases		\$ -	\$ -	\$ -	\$ -	
Park & Ride Lease		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Other -Bus (Describe)		\$ -	\$ -	\$ -	\$ -	
Subtotal: Bus Operations		\$ 126,900.00	\$ 131,000.00	\$ 135,200.00	\$ 139,400.00	\$ 532,500.00
Other Purchase of a Service		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
Other (Describe)		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OPERATING COSTS		\$ 126,900.00	\$ 131,000.00	\$ 135,200.00	\$ 139,400.00	\$ 532,500.00

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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Town of Carrboro
Summary of Project Requests

OPERATING

Summary of Project Requests (Administration and Operations)	Authorized Appropriation	Requested Appropriation
	FY20	FY21

Total Operating Requests	\$ -	\$ -
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CAPITAL

Summary of Project Requests (Capital)	Authorized Appropriation	Requested Appropriation
	FY20	FY21
18TOC_CD1 Estes Drive Bike-Ped Improvements	\$ 47,373	\$ 47,400
18TOC_CD2 Estes Drive Transit Access/Corridor Study	\$ 106,296	\$ 106,300
18TOC_CD3 Bus Stop Improvements	\$ 120,889	
18TOC_CD4 Morgan Creek Greenway	\$ 199,837	\$ 199,800
18TOC_CD5 South Greensboro St. Sidewalk	\$ 552,340	

Total Capital Requests	\$ 1,026,735	\$ 353,500
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Total Requested	\$ 1,026,735	\$ 353,500
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= New project request - (Highlight in Orange)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$0	\$0
Transit Operations	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$0	\$0
Transit Plan Allocation Remaining (shortfall)	-	-

Total Capital (Agency)

Transit Infrastructure	\$1,026,735	\$353,500
Vehicle Acquisition	\$0	\$0
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0
Transit Plan Development	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$1,026,735	\$353,500
Transit Plan Allocation Remaining (shortfall)	1,026,735.00	353,500.00

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18TOC_CD1			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	TOC			
(Project Type)	CD			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Estes Drive Bike-Ped Improvements	Town of Carrboro	Tina Moon	Current Year	\$ 205,025
Estimated Start Date	Estimated Completion	Notes		
In Progress	FY21			
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Construct a multi-use path, sidewalks, and bicycle lanes on Estes Drive from North Greensboro Street to the Town of Carrboro town limits. Ties in to sibling project in Chapel Hill that extends to NC 86. Funds provide the local match for a federally funded bike-ped project (EB-5886A).				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Town of Carrboro	Carrboro residents and employees	Improved access to transit

Project Monitoring Details

Quantitative and Qualitative Outcomes ****Please list up to 3 Quantitative metrics and 1 Qualitative**

Number of linear feet of sidewalk constructed	Number of linear feet of bicycle lanes constructed		Qualitative	Greater satisfaction of Chapel Hill Transit riders
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	-	47,373		205,025	-	-	252,398
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	47,373	-	205,025	-	-	252,398

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way			\$ 9,279				\$ 9,279
Design & Engineering		\$ 47,373					\$ 47,373
Construction - Implementation				\$ 195,746			\$ 195,746
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	47,373	9,279	195,746	-	-	252,398

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

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**Town of Hillsborough
Summary of Project Requests**

OPERATING

Summary of Project Requests (Administration and Operations)	Authorized Appropriation FY20	Requested Appropriation FY21
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Total Operating Requests	\$ -	\$ -
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CAPITAL

Summary of Project Requests (Capital)	Authorized Appropriation FY20	Requested Appropriation FY21
18TOH_CD1 Hillsborough Train Station	\$ 401,000	\$ 401,000
20TOH_CD2 Hillsborough Train Station Bus Stop Improvements	\$ 33,897	\$ 33,900

Total Capital Requests	\$ 434,897	\$ 434,900
Total Requested	\$ 434,897	\$ 434,900

= New project request - (Highlight in Orange)

Total Operating (Agency)

Tax District Administration	\$0	\$0
Transit Plan Administration	\$0	\$0
Transit Operations	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$0	\$0
Transit Plan Allocation Remaining (shortfall)	-	-

Total Capital (Agency)

Transit Infrastructure	\$434,897	\$434,900
Vehicle Acquisition	\$0	\$0
BRT	\$0	\$0
LRT	\$0	\$0
CRT	\$0	\$0
Capital Planning	\$0	\$0
Transit Plan Development	\$0	\$0

FY2021 Transit Plan Allocation

LESS: Total Requested	\$434,897	\$434,900
Transit Plan Allocation Remaining (shortfall)	434,897.00	434,900.00

Unique Project ID#		Triangle Tax District Orange Transit Work Plan Project Request Form Capital	FY START DATE	7/1/2020
18OTH_CD1			FY 2021	
Unique Request ID: (FY Project Start year)	18			
(Three letter Agency)	OTH			
(Project Type)	CD			
(Unique Number)	001			

Project Business Case

Project Name	Requesting Agency	Project Contact	TTD Estimated Cost	
Hillsborough Train Station	Town of Hillsborough	Margaret Hauth	Current Year	\$ -
Estimated Start Date	Estimated Completion	Notes		
In Progress	FY22	Awaiting agreements with NCRR and NS		
Project Description	Enter below a summary of the project that may later be used for the Transit Work Plan.			
Construct a station along the NCRR corridor in Hillsborough to serve Amtrak and potentially commuter rail service. Provides the local funding for TIP project P-5701.				

Project Profile

Where is this project located, who will this project serve and what are the key benefits? (Ex. Improve Transit efficiency, levels of service, etc.)

Project Location?	Who will this Project serve?	What are the key benefits?
Town of Hillsborough	Hillsborough residents, employees, and visitors	Provide access to intercity rail service through North Carolina and the Northeast Corridor

Project Monitoring Details

Quantitative and Qualitative Outcomes **Please list up to 3 Quantitative metrics and 1 Qualitative

Number of Orange County residents that can access passenger rail service			Qualitative	
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List any other relevant information not addressed.

Finance Estimates

Estimated Project Revenues:

If there are other revenues besides Transit Tax Revenue to support this request, please enter the anticipated revenue amounts next to the appropriate funding source for each fiscal year shown below.

Revenue							
Tax Revenue	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Orange County Tax Revenue	-	401,000	-	285,000		-	686,000
Other Revenue							
Federal							-
State							-
Other:							-
Subtotal Other	-	-	-	-	-	-	-
TOTAL REVENUE	-	401,000	-	285,000	-	-	686,000

Transit Capital Development: Estimated appropriations to support contractual commitments and other expenses related to proposed capital projects.

Cost Break Down of Project Request

CAPITAL COSTS	FY19 (Actuals)	FY20 (Budget)	FY21	FY22	FY23	FY24	Total
Feasibility or Other Studies							\$ -
Land - Right of Way							\$ -
Design & Engineering			\$ 316,000	\$ 350,000			\$ 666,000
Construction - Implementation					\$ 20,000		\$ 20,000
Equipment							\$ -
Other (Describe)							\$ -
TOTAL CAPITAL COSTS	-	-	316,000	350,000	20,000	-	686,000

Assumptions for Costs and Revenues Above:

Please state any assumption(s) used to calculate the capital and operating dollars and revenues shown above.

All funding has been carried over from FY20. The draft funding agreement calls for Hillsborough's funds to be used first, followed by the transit tax, with state funding to be used last. This arrangement causes the transit tax to primarily be used for design and engineering. The funding agreement establishes a \$7M budget, so design will be in the \$700,000 range. The town is asking for a seven-year delivery horizon, from the signing of the funding agreement.