

Durham Staff Working Group

Meeting Agenda

December 21, 2022

- 1. Call to Order/Roll Call**
- 2. Approval of October 2022 Meeting Notes (MPO)**
- 3. Plan Updates**
 - a. Durham County Transit Plan (MPO)**
 - b. Transit Governance Study (Durham County)**
 - c. Wake-Durham Bus Plan (GoTriangle)**
 - d. Commuter Rail (GoTriangle)**
- 4. SWG Administrator Discussion (MPO)**
- 5. FY22 Financial Actuals (GoTriangle)**
- 6. Progress Report Template (GoTriangle)**
- 7. FY23 Amendment Schedule (GoTriangle)**
- 8. Annual Work Program Schedule (MPO)**
 - a. Discussion**
- 9. Update from City of Durham: Better Bus Project (City of Durham)**
- 10. Next Meeting – January 18**
- 11. Adjournment**

1 **DURHAM STAFF WORKING GROUP**

2 **October 19, 2022**

3 **MINUTES OF MEETING**

4 The Durham Staff Working Group met on Wednesday, October 19, 2022 at 3:00 p.m. in the
5 second floor committee room at Durham City Hall, as well as through the Zoom
6 teleconferencing platform. The following members and guests were in attendance:

7	Ellen Beckmann (Chair, Voting Member)	Durham County
8	Doug Plachcinski (Voting Member)	DCHC MPO
9	Jay Heikes (Voting Member)	GoTriangle
10	Aaron Cain	DCHC MPO
11	Andy Henry	DCHC MPO
12	David Miller	DCHC MPO
13	Sean Egan	City of Durham
14	Evian Patterson	City of Durham
15	Bill Judge*	City of Durham
16	Erin Convery*	City of Durham
17	Brian Fahey	City of Durham
18	Tom Devlin*	City of Durham
19	Tom Ten Eyck*	City of Durham
20	Eric Simpson*	City of Durham
21	Sheilah Faucette*	City of Durham
22	Meg Scully*	GoTriangle
23	Jenny Green*	GoTriangle
24	Saundra Freeman*	GoTriangle
25	Steven Schlossberg*	GoTriangle
26	David Jerrido III*	GoTriangle
27	Liz Raskopf*	GoTriangle
28	Paul Black*	GoTriangle
29	Rocio Antelis*	GoTriangle
30	James Carter*	GoTriangle
31	Michael Page*	North Carolina Central University

32 Quorum Count: 3 of 3 Voting Members

33 *Attended remotely

34 **1. Call to Order/Roll Call**

35 Chair Ellen Beckmann called the meeting to order at 3:00 p.m.

36 **2. Approval of September 21, 2022 Meeting Notes (MPO)**

37 Doug Plachcinski made a motion to accept the September 21, 2022 Durham Staff Working Group
38 (SWG) Meeting Minutes. Jay Heikes seconded the motion. The motion passed unanimously.

39 **3. Plan Updates**

40 **a) Durham County Transit Plan (MPO)**

41 Aaron Cain stated that an overview of the recommended Durham County Transit Plan (DCTP) will
42 be presented at the Durham-Chapel Hill-Carrboro Metropolitan (DCHC MPO) Technical Committee (TC)
43 and Board meetings prior to its release for a 21-day public comment period. Aaron Cain said that the
44 DCTP Phase 3 outreach efforts were presented to the MPO Board and TC during their last meeting
45 cycle. Aaron Cain shared the details to the upcoming presentations for the MPO Board, Durham County
46 Board of Commissioners, and GoTriangle Board.

47 **b. Transit Governance Study (Durham County)**

48 Chair Ellen Beckmann stated that the Transit Governance Study (TGS) is proceeding, that the
49 Interlocal Agreement (ILA) is in the process of being finalized, and that consultant Adam Howell is
50 expected to have it available for Board review in November. Chair Ellen Beckmann said that the Durham
51 County TGS is being coordinated with Orange County's efforts, and Aaron Cain shared the Orange County
52 Transit Plan's key approval dates.

53 **c. Wake-Durham Bus Plan (GoTriangle)**

54 Jenny Green shared that the Wake-Durham Bus Plan is currently planning public engagement
55 efforts for February and March 2023. Jenny Green said that concepts and transit schedules through
56 various corridors are being investigated for FY25-27, and that consolidation of bus routes to Durham are
57 expected.

58 **d. Commuter Rail (GoTriangle)**

59 Steven Schlossberg provided an update on the Greater Triangle Commuter Rail project, which
60 included information about the FY24 Work Plan for Wake County, as well as scenario planning.

61 **4. Budget Amendment Request – Three New Positions for Transit Construction Project Management**
62 **(City of Durham)**

63 Chair Ellen Beckmann introduced the City of Durham’s (COD) budget amendment request for
64 three new positions for transit construction project management. Aaron Cain said that this request is
65 for a budget amendment only, and that it will require review and approval from other Boards before it
66 is included in the Work Program. Doug Plachcinski asked for clarification on the COD’s financial
67 commitment, and Sean Egan replied that the COD will commit 50% to salaries and fringe benefits.
68 Aaron Cain stated he will work with Tom Devlin to include missing financial information within this
69 request.

70 Doug Plachcinski made a motion to accept the budget amendment request with the identified
71 updates. Jay Heikes seconded the motion. The motion passed unanimously.

72 **5. FY24 Work Program Schedule and Project Sheet (MPO)**

73 Aaron Cain provided an update of the FY24 Work Program Development Schedule. Aaron Cain
74 stated that the MPO will be setting up meetings with all transit agencies to discuss project submissions
75 for FY24, that project sheets are due to the MPO by December 9.

76 **6. Next Meeting – November 16**

77 Chair Ellen Beckmann stated that the next SWG meeting will occur on November 16, 2022 at 3:00
78 p.m. Chair Ellen Beckmann stated that an update about Durham’s Better Bus Project is scheduled to be
79 presented at the next SWG meeting.

80 Sean Egan asked if the SWG was continuing to investigate if it should be identified and act as a
81 public body. Aaron Cain replied that the SWG is currently being recognized as such in the draft ILA. Sean
82 Egan asked if the SWG was interested in moving forward with public body status before the draft ILA is
83 adopted, and members agreed that it would moving forward.

84 Doug Plachcinski recognized Chair Ellen Beckmann and Durham County for their recent 2022
85 Public Technology Institute Solutions Award for their work on the draft DCTP.

86 **7. Adjournment**

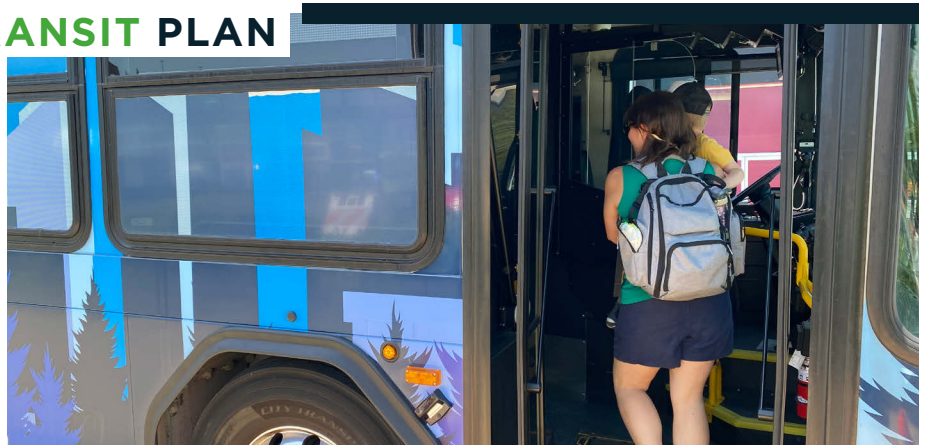
87 There being no further business before the MPO Board, the meeting was adjourned at 4:00 p.m.



DURHAM COUNTY TRANSIT PROGRESS REPORT

DURHAM COUNTY TRANSIT PLAN

In FY2022, Durham County continued a planning process to update its county transit plan to identify new priorities for transit plan investments through the year 2040. The plan is being developed in coordination with GoTriangle, the City of Durham, the Durham Chapel Hill Carrboro Metropolitan Planning Organization and the Triangle J Council of Governments. Updates to the plan will continue into FY2023 and include extensive community engagement.



ONGOING PROGRAMS IN DURHAM COUNTY

In FY2022, GoDurham provided more than 4.7 million trips to employment, education, health care and recreational destinations, and GoDurham ACCESS provided more than 3,000 transit tax-funded trips. Funding from Durham County Transit Plan in FY2022 continued to provide for previously implemented service improvements throughout the GoTriangle systems.

In FY2022, the City of Durham with support from GoTriangle continued work on transit emphasis corridors, bus speed and reliability projects, access to transit improvements and the development of the Village Transit Center. The design for improvements to Durham Station to enhance the passenger experience were finalized, and funding was secured for this project.

GoTriangle, on behalf of GoDurham, completed 13 GoDurham bus stop improvements. In addition, about 60 stops were under construction or design phase. Seventy-five stops have been prioritized for design to begin in FY2023.

LONG-RANGE GOALS

- Connect more residents with jobs and post-secondary or vocational educational opportunities.
- Expand bus capacity on corridors with high bus ridership.
- Provide better regional connections to other cities and the Raleigh-Durham International Airport.



ACCOMPLISHMENTS

SERVICE IMPROVEMENTS

GOTRIANGLE

- Funding from Durham County Transit Plan in FY2022 continued to provide for previously implemented service improvements throughout the GoTriangle systems. For GoTriangle, FY2022 funding helped sustain weekday and weekend span and frequency improvements to Route 400, 700 and 800. That funding also provided additional trips on Routes 405 and DRX and the continuation of Route ODX.
- Some service was suspended in FY2022 due to an ongoing operator shortage.

GODURHAM

- Funding from Durham County in FY2022 continued to provide for previously implemented service improvements throughout the GoDurham systems. The GoDurham system as a whole increased Sunday and New Year's Eve spans of service. Night and weekend service grew more frequent for GoDurham Routes 1, 2, 4, 8 and 10. Additionally, funding was provided to sustain more service on Routes 5 and 12B.
- New alternative transportation services were expanded and created with FY2022 funding. The GoDurham Senior Shuttle was doubled in service to provide access to grocery shopping locations for five additional senior living complexes in Durham. And FY2022 funding helped create the new GoDurham Connect Pilot, which provides on-demand transportation for the residents of East Durham communities.
- GoDurham selected Avail Technologies Inc. as the vendor for its Computer-Aided Dispatch Automatic Vehicle Locator System.
- Some service was suspended in FY2022 due to an ongoing driver shortage.

Note: Transit plan funds also are used to continue earlier improvements and to pay a portion of the increased cost of transit services provided by GoDurham that existed before the Durham County Transit Plan was implemented.

PLANNING PROJECTS

- Finished updating the Durham County Transit Plan.
- Continued work on the Regional Fleet and Facilities Study.
- Initiated development of the GoTriangle Short-Range Transit Plan.
- Continued work on the Greater Triangle Commuter Rail Project feasibility study.

BUS INFRASTRUCTURE

- **Bus Stop Improvement Program** – GoTriangle continued to improve bus stops in Durham with the goal of all stops meeting the Americans with Disabilities Act accessibility requirements and featuring amenities when warranted. In FY2022, improvements at 13 bus stops were completed. In addition, about 60 stops were under construction or in the design-, permitting- or right-of-way-acquisition phase. Seventy-five stops have been prioritized for design to begin in FY2023.
- **Regional Transit Center relocation** – Following the completion of the feasibility study in FY2022, GoTriangle prepared initial environmental documentation, continued coordination with regional partners and submitted applications to secure federal funding to match committed local funds. The center is currently located in Durham.
- **Regional Fleet and Facilities Study** – In FY2022, GoTriangle advanced a multi-faceted study to identify fleet maintenance facility needs, establish low- or no-emissions fleet composition goals – including charging or fueling infrastructure – and evaluate opportunities for regional cooperation. To date, the study has produced a design for expanding and renovating the Nelson Road Bus Operations and Maintenance Facility in Morrisville. A parallel effort is underway for GoDurham, including the evaluation of paratransit maintenance facility needs for both GoTriangle ACCESS and GoDurham ACCESS.
- Consultants submitted planning recommendations and draft conceptual designs to the City of Durham for the **Fayetteville Street and Holloway Street Transit Emphasis Corridors**. Planning recommendations also were submitted to the city for the Holloway Street Transit Emphasis Corridor.
- **The Raynor Street Sidewalk Project** – which is led by the City of Durham and which will improve access to the Village Transit Center – has moved into right-of-way acquisition. Transit plan funds are providing the local match for this federally funded project.
- An Alternatives Analysis report for three locations for the **Village Transit Center** was developed for the City of Durham.
- The city's **Bus Speed and Reliability work** continued with preliminary designs finalized for quick-build locations to speed up buses throughout the transit system, and a Traffic Signal Priority study with recommendations was completed. Consultants provided potential scenarios to address bus speeds around Durham Station, including downtown locations for transit-priority lanes.
- The **Access to Transit Plan** was finalized by the City of Durham with recommendations on locations to make streets and sidewalks safer for transit throughout the GoDurham system. Locations on Route 9 were submitted for federal funding. Portions of the Horton Road Sidewalk project will be designed by consultants.



NEXT STEPS

SERVICE IMPROVEMENTS

GOTRIANGLE

- Continue support for span and frequency improvements to Routes 400, 700 and 800 and for additional frequency on Routes 405, DRX and ODX.
- Restore service that was suspended in FY2022 due to the operator shortage.

GODURHAM

- Expand GoDurham Connect to northern Durham.
- Expand fixed-route service with a new North Durham Crosstown from Duke/VA hospitals to Duke Regional Hospital via Hillandale Road, new 30-minute evening and Sunday service to Bragtown (Dearborn Drive and Old Oxford Road) on Routes 9A and 9B, and more frequency on Route 3 to the Village, as operator staffing levels allow.
- Continue support for span and frequency improvements on GoDurham routes, GoDurham Connect in eastern Durham and GoDurham Senior Shuttle.
- Restore service that was suspended in FY2022 due to the operator shortage.

PLANNING PROJECTS

- Obtain approval of the Durham County Transit Plan by governing bodies.
- Finalize work on the Regional Fleet and Facilities Study. The study will produce an inventory of capital projects and cost estimates that will be programmed into transit plans' future year budgets to ensure that adequate facilities are in place to support the existing and planned service expansions funded by the county transit plans.
- Initiate work on the Durham Bus Plan following approval of the Durham County Transit Plan. This work includes the Short-Range Transit Plans for GoDurham and GoDurham ACCESS.
- Complete the GoTriangle Short-Range Transit Plan.
- Continue planning and design work on the Holloway Street and Fayetteville Street transit emphasis corridors, improvements to The Village Transfer Center, bus speed and reliability improvements and improvements to access as a part of the GoDurham Better Bus Stop Project.
- Finalize the Greater Triangle Commuter Rail Project feasibility study and report. Continue with presentations to elected boards and associated engagement through the fall, after which a decision will be made regarding whether or how to move forward with implementation.

CAPITAL PROJECTS

GOTRIANGLE

- Next steps in FY2023 for the new Regional Transit Center include completing environmental review, acquiring land and undertaking design and permitting. Construction is expected to follow in subsequent years.
- Continue designing and constructing bus stop improvements in Durham County.
- Continue design for priority transit safety and access improvements in Durham County.



\$43,034,535
TOTAL REVENUES

\$40,301,373
HALF-CENT SALES TAX

\$1,678,607
VEHICLE REGISTRATION TAX \$7

\$1,442,220
VEHICLE RENTAL TAX

\$719,398
VEHICLE REGISTRATION TAX \$3

\$636,303
INVESTMENT INCOME


\$7,261
OTHER REVENUE


-\$1,750,627
UNREALIZED GAIN/(LOSS)
INVESTMENTS

*An Unrealized Gain/(Loss) is the increase/(decrease) in value of the organization's unsold investments. Gains and losses are only realized after selling the investments for cash.



\$43,034,535
TOTAL EXPENDITURES

 **\$30,047,023**
ALLOCATION TO DURHAM
TRANSIT TAX FUND BALANCE

 **\$6,464,464**
TRANSIT SERVICES

 **\$2,083,065**
BUS INFRASTRUCTURE

 **\$1,226,561**
TRANSIT PLAN ADMINISTRATION

 **\$1,182,492**
VEHICLE ACQUISITION

 **\$976,045**
COMMUTER RAIL TRANSIT

 **\$813,495**
CAPITAL PLANNING

 **\$241,390**
TAX DISTRICT ADMINISTRATION

FY23 Annual Work Program Budget Amendment Schedule

Quarter	Submission Deadline to SWG Admin	SWG Review	GoTriangle O&F Review	GoTriangle BoT Approval
2	September 30, 2022	October 19, 2022	November 3, 2022	November 16, 2022
3	December 30, 2022	January 18, 2023	February 2, 2023	February 22, 2023
4	March 31, 2023	April 19, 2023	May 4, 2023	May 24, 2023

**FY23 Durham Transit Work Plan Progress Report
Durham/GoDurham**

ACTIVITY PERIOD: FY23
SUBMISSION DATE:

YTD - Dec (Q1 & Q2)

Cost Category	Workplan ID	Project Description	Project Status Details
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DURHAM OPERATING

TRANSIT PLAN ADMINISTRATION/IMPLEMENTATION	23DCITS1	Transit Construction Project Manager	
	23DCITS2	Transit Construction Team Leader	
	23DCITS3	Transit Plan Planner/Engineer	
TRANSIT OPERATIONS	18DCITS1	Route 5 Improvements	
	18DCITS2	Route 10 Improvements	
	18DCITS4	Route 12 Improvements	
	18DCITS6	Route 20	
	18DCITS7	Late Sunday Service	
	18DCITS8	New Year's Eve Service	
	18DCITS9	Increased Cost of Existing Services (ICES)	
	20DCITS10	Food Access for Seniors	
	20DCITS11	Durham Transportation Alternatives	
	22DCITS11	Durham TDM Pilot	

FY23 Durham Transit Work Plan Progress Report Durham/GoDurham

ACTIVITY PERIOD: FY23

SUBMISSION DATE:

YTD - Dec (Q1 & Q2)

Cost Category	Workplan ID	Project Description	Project Status Details
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DURHAM CAPITAL

TRANSIT INFRASTRUCTURE	20DCICD3	Mobile Ticket Validators	
	18DCICD1	Holloway Street TEC	
	18DCICD5	Village Transit Center	
	18DCICD2	Fayetteville Street TEC	
	20DCICD1	Chapel Hill Road TEC	
	20DCICD2	Bus Stop Access	
	20DCICD4	Southpoint Transit Center - City Share	
	20DCICD5	Bus Speed and Reliability	
	21DCICD1	GoDurham CAD/AVL	
	18DCICD4	GoD (Better) Bus Stop Improvements	
	21DCICD2	Durham Station Landscaping	
	22DCICD1	GoDurham DIGI Modems - New Request	
	23DCICD02	Durham Station Improvements	
BUS ACQUISITION	20DCIVP1	Vehicle Purchases	
	21DCIVP2	Electric Vehicle Acquisition	



GO  *Durham*

BETTER BUS PROJECT

access. safety. reliability.

STAFF WORKING GROUP UPDATE
PROGRAM DELIVERY

<https://www.durhamnc.gov/4372/GoDurham-Better-Bus-Project>

DECEMBER 2022



TRANSPORTATION

CITY OF DURHAM

919.560.4366

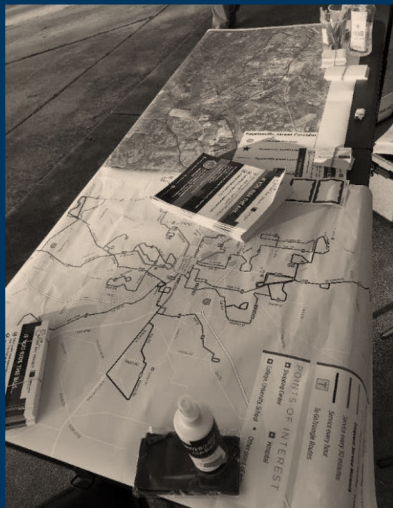
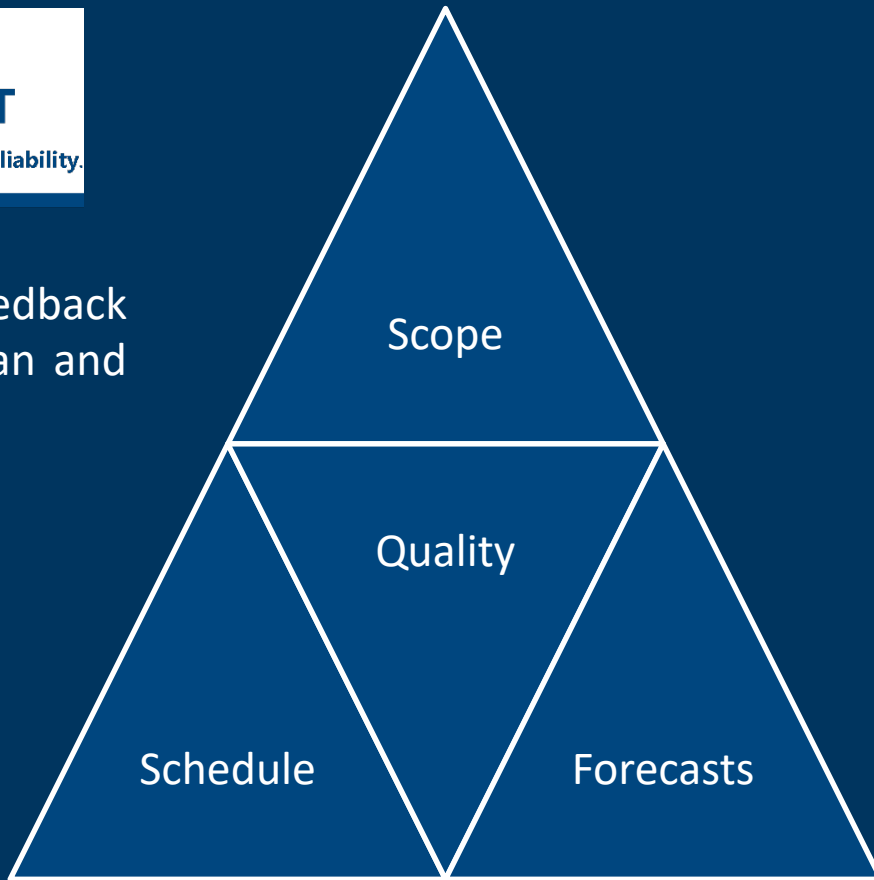
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Program Plan Delivery

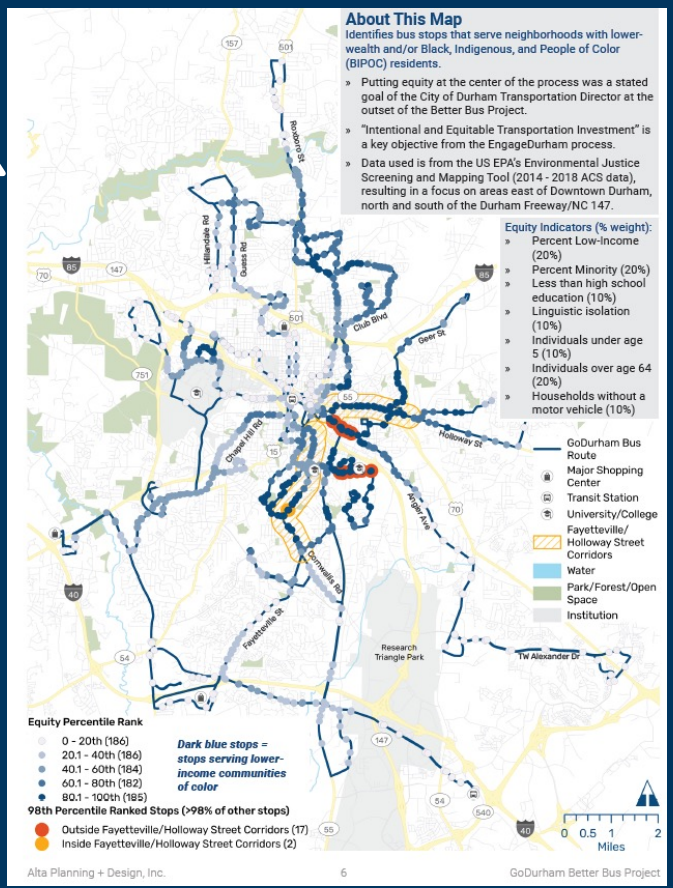
Objective: SWG feedback on this Program Plan and Next steps





One Systemwide Project with Six Major Areas of Focus

1. Access to Transit (A2T)
2. Bus Speed and Reliability (BSR)
3. Durham Station Transit Emphasis Zone
4. Fayetteville Street Transit Emphasis Corridor (TEC)
5. Holloway Street TEC + Village Transit Center





GO *Durham*

BETTER BUS PROJECT

access. safety. reliability.



Community Expectations



Your Trip to the Bus – Recommend and design sidewalks, crosswalks, curb ramps, and other pedestrian improvements that provide better access to bus stops for all people.



Your Bus Stop – Recommend shelters, benches, and other improvements at bus stops that make waiting for the bus more comfortable and convenient.



Your Bus Ride – Identify areas where the bus is often delayed and design bus priority projects such as changes to traffic signals, pavement markings, and signage that improve bus speed and reliability.



TOP THREE IMPROVEMENTS TO MAKE BUS STOP ACCESS MORE CONVENIENT



Add/Repair Sidewalk



Add/Repair Crosswalk



Remove Dangerous Debris/Obstacles



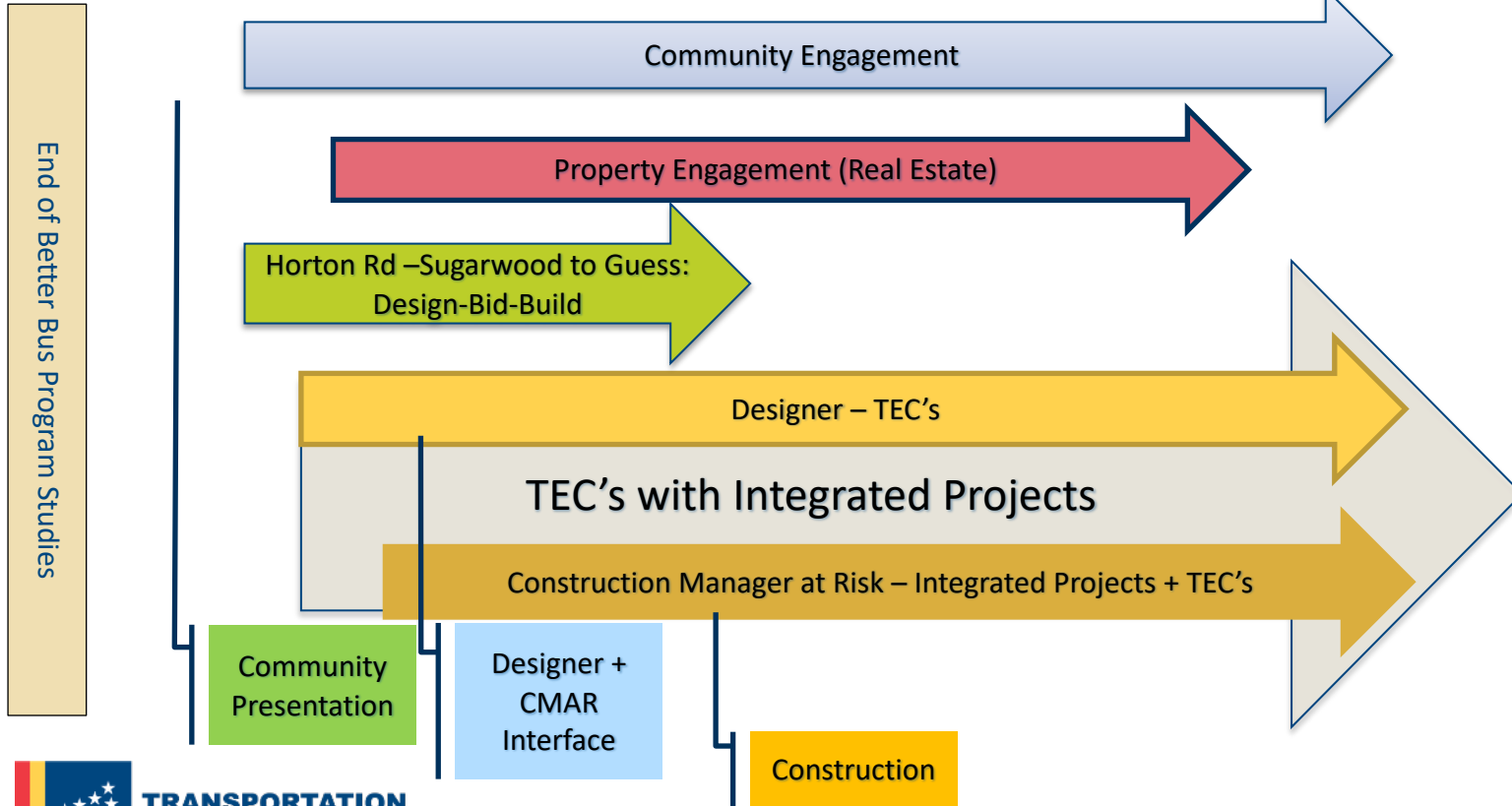
TRANSPORTATION

CITY OF DURHAM

Summer 2021 Phase I Survey Results

Phases and Flow

Schedule



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Delivery Methods

Quality

Design-Bid-Build



- Owner contracts separately with One Designer and one Contractor
- Traditional Method**
- Scope Well Defined
- Average Delivery Schedule
- Requires additional Value Management**
- Average Industry Costs
- Prone to Change Orders
- Quality Consistency requires management

Design-Build



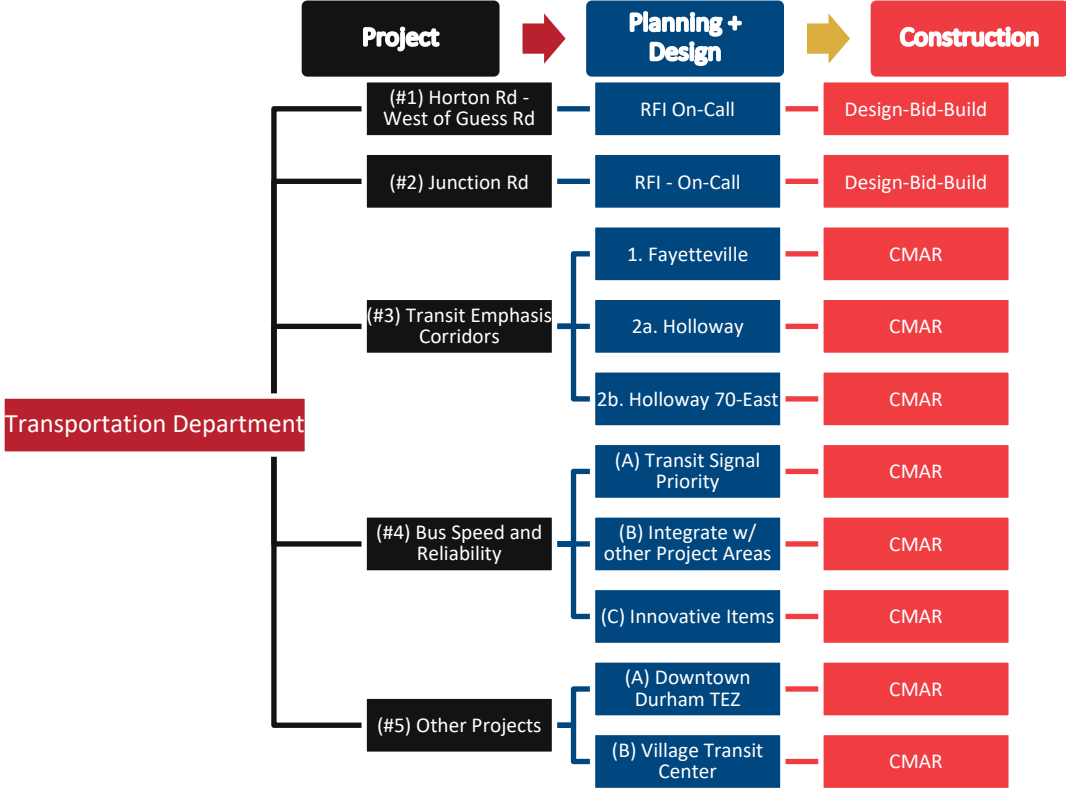
- Owner Contracts with a Designer and Contractor entity
- Typical for Structures, Uncommon for Pedestrian Improvement projects
- Scope is clearly defined, determined and specific. "Floor to Floor" aspect.
- One cost to fully implement**
- Requires Experienced Owner and Staff with Design-Build
- Least flexible to Change**
- Prone to Change Orders
- Quality is Consistent

Construction Manager at Risk (CMAR)



- Used for consolidation of Multiple Projects
- Scope is Developed with Designers
- Customizable to the Owner**
- Quicker Delivery Times**
- Includes Value Management
- 2-5% Higher Cost than Design-Build
- Lowest Risk of Change Orders
- Quality Consistency**

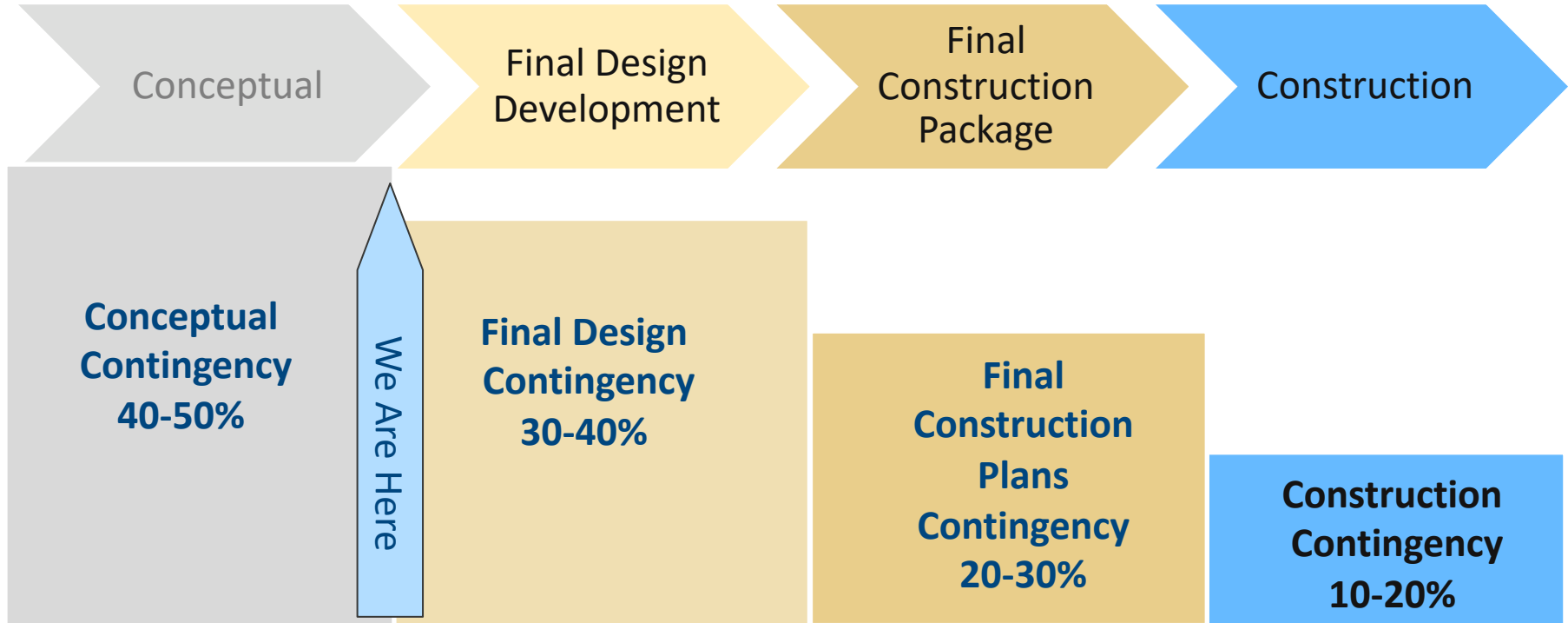
Program Structure



CMAR – Construction Manager at Risk

Forecast Monitoring

Forecast



Cost Comparisons

Forecast

Location	Scope	Budget	Approximate Length (Feet)	Cost Per Foot
Fayetteville TEC	Transit Emphasis	~\$15M (Forecast)	16,900	\$905
Holloway Street TEC	Transit Emphasis	~\$14M (Forecast)	15,150	\$925
Philomath, OR	Comprehensive Streetscape	\$16M	6,000	\$2,667
Hallandale Beach, FL	Mobility and Transit Access	\$8M	8,100	\$907
Pompano Beach, FL	Sidewalk and Transit Access	\$6M	6,865	\$860
Hendersonville, NC, 7 th Ave	Basic Streetscape	\$1.4M	1,200	\$1,167



Progress and Funding Status for DCTP Capital Projects (\$ in 000s)

Forecast

	Design	RW	CMAR	Construction	Balance to Complete	Available	Potential Additional DCTP Funding Needed
Chapel Hill Road BTC				\$462	\$462	\$462	\$0
GoDurham CAD/AVL	\$0	\$0	\$0	\$1,836	\$1,836	\$1,836	\$0
Durham Station	\$1,518		\$400	\$11,582	\$13,500	\$12,600	\$900
A2T: Horton Rd Sidewalk	\$60	\$60	\$0	\$300	\$420	\$1,200	\$0
Bus Transit Corridors - Fayetteville & Holloway	\$2,600	\$2,500	\$700	TBD	\$5,800	\$4,000	\$1,800
Bus Speed & Reliability	\$250	TBD	TBD	TBD	\$250	\$2,500	\$0
Total	\$4,428	\$2,560	\$1,100	\$14,180	\$22,268	\$22,598	\$2,700

Next Steps

Bus Stop Access: Horton Rd.

- Final design work needed to prepare construction bid documents
- RFI Issued - Responses received 12/14/22
- Initiate RW acquisition pending final plans
- Construction in FY2024

Bus Transit Corridors

- Chapel Hill Road TEC
 - Phase I – Lakewood to Morehead
 - Construction substantially complete
- Holloway & Fayetteville TEC
 - Pursuing grants - RAISE Grant 2023 (Including Holloway & Junction Rd Bus Stop Access)
 - Joint contract for final design
 - CMAR services for both corridors
 - Begin RW acquisition in FY2024

Bus Speed & Reliability (BSR)

- BSR Action Plan to develop and sequence TSP, Durham Station TEZ and Systemwide BSR
- RFI Issued - Responses due December 2022



GO  Durham

BETTER BUS PROJECT



Visit the website <http://bit.ly/godurhambetterbus>



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