



NC Capital Area **Metropolitan Planning Organization**

CAPITAL AREA MPO

Executive Board Meeting

February 15, 2017

4:00 PM

1. Welcome and Introductions

2. Adjustments to the Agenda

3. Ethics Statement:

In accordance with the State Government Ethics Act, it is the duty of every Executive Board member to avoid conflicts of interest.

Does any Executive Board member have any known conflict of interest with respect to matters coming before the Executive Board today? If so, please identify the conflict and refrain from any participation in the particular matter involved.

4. Public Comments

This is an opportunity for comments by those in attendance.
Please limit comments to three minutes for each speaker

5.1 Minutes

Minutes from the January 18, 2017 meeting

Requested Action:

Approve Minutes from January 18, 2017 meeting.

Public Hearings

7.1 Planning Work Program for July 2017-June 2018

- **Continuing Core Mission Work:**
 - **Maintaining/Updating MTP & CTP**
 - **LAPP**
 - **Congestion Management Process**
 - **Regional Transit Planning & Support**
 - **Hot Spot Studies**
 - **ITS Planning**
 - **SWAS Update**

- **Non-Core Mission Work:**
 - **Main Street Corridor Study – Rolesville**
 - **Triangle Toll Study (cont. from FY 17)**
 - **NC 98 Corridor Study (cont. from FY 17)**

7.1 FY 2018 Unified Planning Work Program, cont.

Schedule:

- Public Comment Period - Jan 16 - Feb 15
- TCC Recommendation – Feb 2
- Public Hearing - Feb 15
- Anticipated Adoption – Feb 15

Requested Action:

Conduct Public Hearing.

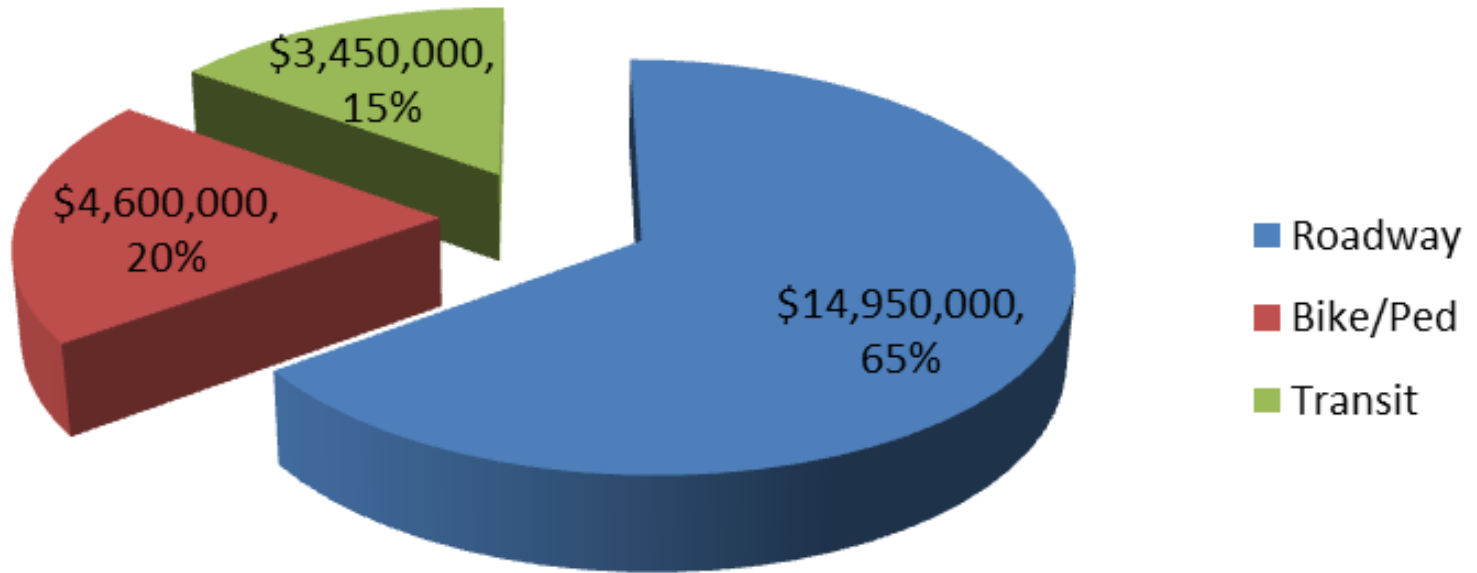
Consider adopting the FY 2018 Unified Planning Work Program

7.2 LAPP FFY18 Investment Program

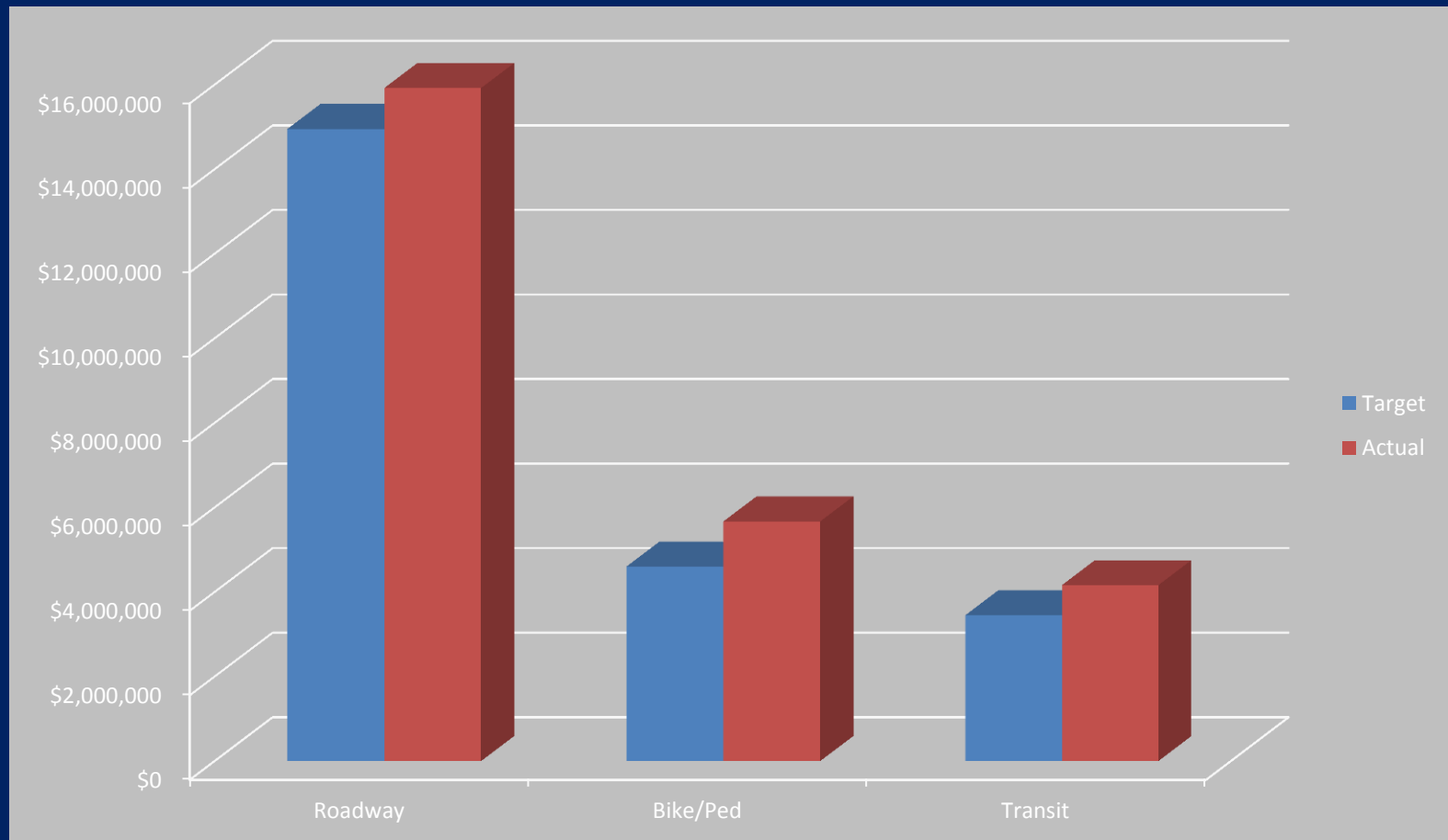
- In August 2016 the NC Capital Area MPO's Executive Board opened a call for projects to identify and program available FFY 2018 Locally Administered Projects Program (LAPP) funds.
 - Highway projects are scored against other highway projects
 - Bicycle and pedestrian projects are scored against other bicycle and pedestrian projects
 - Transit projects are scored against other transit projects.
- The call for projects resulted in submission of 25 eligible projects for consideration. Historical information for Roadway and Bike/Ped is provided below.

	ROADWAY						BIKE/PED					
	Modal Mix		\$ Amounts		# of Projects		Modal Mix		\$ Amounts		# of Projects	
	Target	Actual	Funded	Unfunded	Funded	Unfunded	Target	Actual	Funded	Unfunded	Funded	Unfunded
12	65	64	\$6,416,250	\$0	8	0	20	22	\$2,061,915	\$2,919,200	7	6
13	65	63	\$6,380,750	\$1,729,500	8	4	20	19	\$1,965,220	\$5,664,920	8	8
14	65	62	\$6,500,000	\$2,088,000	3	3	20	21	\$2,202,670	\$3,177,200	7	7
15	65	55	\$8,365,620	\$9,438,380	9	5	20	30	\$4,428,380	\$6,432,080	3	10
16	65	60	\$12,884,649	\$4,178,336	6	5	20	32	\$6,718,951	\$7,613,680	7	11
17	65	61	\$13,290,892	\$4,902,080	8	4	20	34	\$7,916,685	\$7,490,980	7	8
18	65	62	\$15,918,000	\$10,303,991	3	7	20	22	\$5,666,952	\$8,587,692	5	5

FFY18 Target Investment Mix



FFY18 Target vs. Recommended Mix



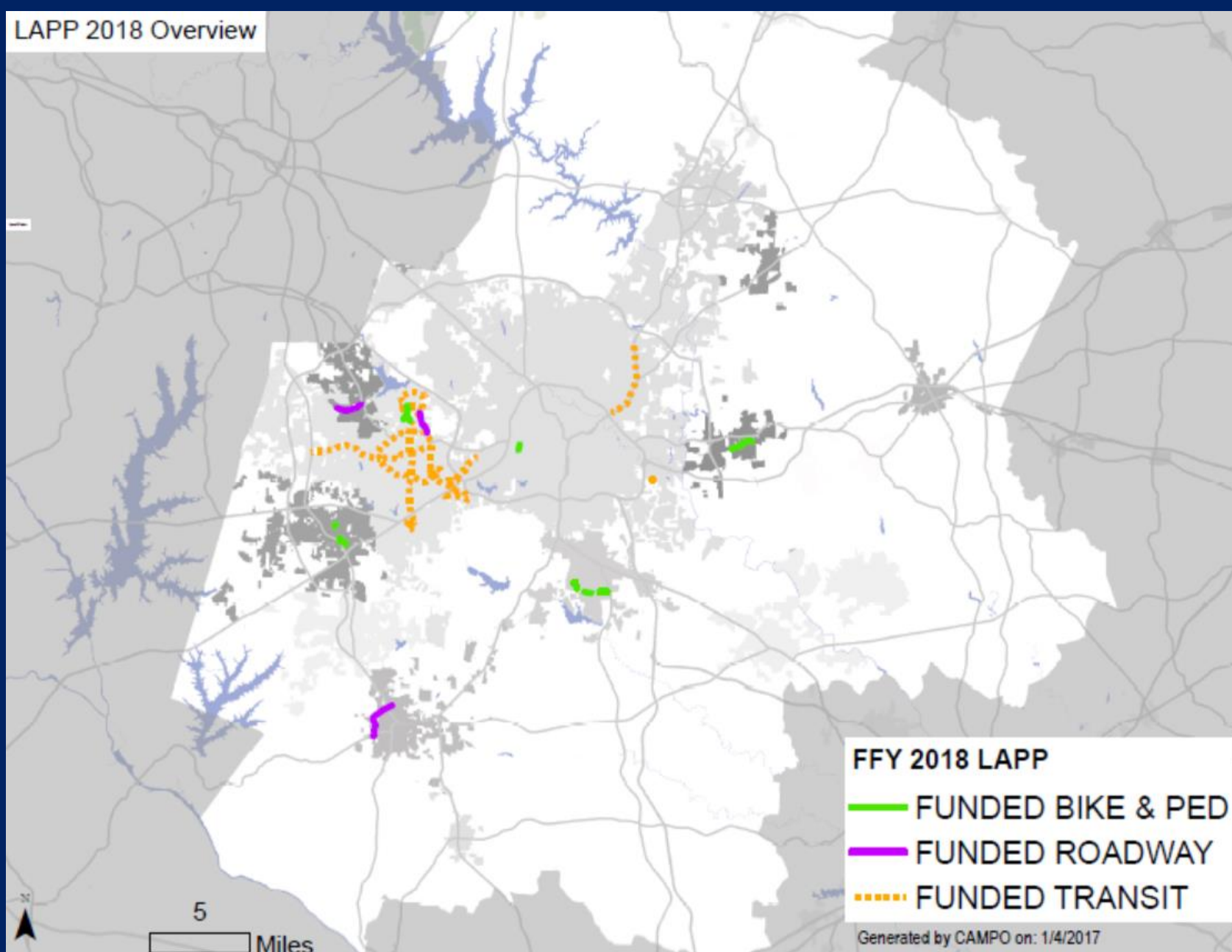
FFY18 Programming Recommendations

Source	Projected 2018
STPDA (annual amount since 2014)	\$12,353,075
TAP (annual amount since 2014)	\$1,007,729
Over-program: CAMPO direct funds (up to 20%)	\$2,672,160
De-obligated funds (average 2014-2016)*	\$1,428,283
CMAQ (2016-2017 annual amount)	\$6,082,615
TOTAL	\$23,543,862
NOTE: *2017 de-obligated amount is already over \$3M.	

Project Selection

- When reviewing projects, staff seeks clarification from the applicant only when needed to confirm eligibility and clarify the details of the project (project elements, detailed costs, etc.).
 - Eligibility Concerns: Federal Aid Eligible, MTP Compliant, Shovel Ready, etc.
 - Administrative Concerns: Reasonable Schedule, Required Materials, etc.
- The LAPP Selection Committee reviewed eligible FFY 2018 LAPP project submissions. Before starting their evaluation, they discussed philosophy in reviewing the projects, including:
 - Serving as an external reasonable check.
 - Raising questions: Has the applicant covered their bases?
 - Recommending approaches to implementation to improve the outcomes.
- All projects are expected to score at least 50% of the points awarded to the top-scoring project in each mode. If a project does not score at least 50%, the LAPP Selection Committee determines if the project should be funded, or if the funds from that modal mix element should be reallocated to another modal mix element to fund higher-scoring projects.

LAPP 2018 Overview



Roadway Projects

Roadway Projects									
TIPID	Project Name	Project Description	Sponsoring Agency	Requested Phase	Total Cost	Local Match %	Requested Funding	Recommended Funding	Total Score
U-5317	Connect N Judd Parkway NW	Project consist of construction phase of approximately 2.2 total miles with 1.8 miles of new roadway location with four lanes with median and left turn lane at intersections for both the new location roadway and the existing roadway improvement for a portion of Wilbon Road (SR 1110) to be known as N Judd Parkway NW from NC 55 (North Broad Street) to NC 42 (West Academy Street) that will include accommodations for bike and pedestrian access and travel. Also included is intersection relocation for Wilbon Road (SR 1110) with new roadway and extension of Washington Street (Town Street) to the new roadway that provide improved access to Lincoln Height Neighborhood.	Fuquay-Varina	CON	\$18,750,000	76%	\$4,500,000	\$4,500,000	54.22
	Morrisville-Carpenter Road Widening	Widening to 4-lanes between the railroad crossing west of NC 54 and Davis Drive. New widening is needed from 300 feet west of Old Savannah Drive to the railroad tracks. The remaining work from Old Savannah Drive to Davis Drive will consist of repaving and re-striping the existing roadway to a four-lane, median-divided road with center left-turn lanes where appropriate. As part of this project, the Town will also be relocating utilities in the widening portion of the project, between Old Savannah Drive and Page Street.	Morrisville	UTIL, CON	\$9,000,000	30%	\$6,300,000	\$6,300,000	50.11
U-5501 A&B	Reedy Creek Road Improvements	Project consists of Right-of-Way acquisition along Reedy Creek Road from NE Maynard Road to North Harrison Avenue (Segments A&B) and Construction along Reedy Creek Road from North Harrison Avenue to 600 feet south of Watts Pond Lane (Segment A) for improvements to the facility. Improvements will include widening the current facility from 2 to 3 lanes, the addition of a center turn lane, curb and gutter, sidewalks, bike lanes and three roundabouts.	Cary	ROW, CON	\$6,397,500	20%	\$5,118,000	\$5,118,000	49.11



Bicycle and Pedestrian Projects

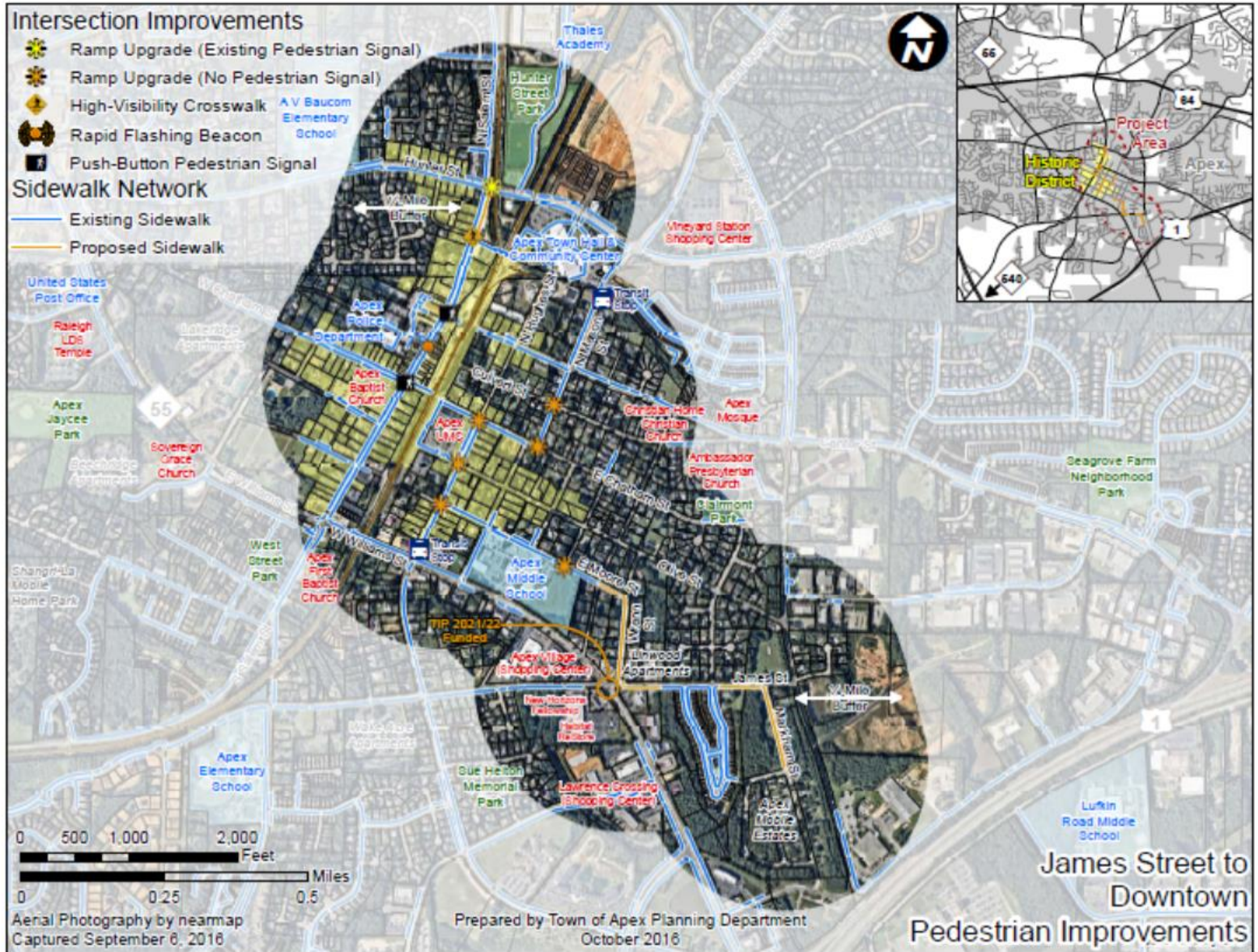
Bicycle & Pedestrian Projects									
TIPID	Project Name	Project Description	Sponsoring Agency	Sponsoring Agency	Total Cost	Local Match %	Requested Funding	Recommended Funding	Total Score
	Gorman Street Connector	Two-way separated bike facility on Gorman St., connecting the Reedy Creek Greenway Trail at Ligon and Sullivan to the Rocky Branch Trail at Hillsborough and Clark.	Raleigh	ROW, CON	\$325,000	20%	\$260,000	\$260,000	68.00
	Black Creek Greenway - Phase I & V	Project will complete construction of a 1,300 linear foot gap in the Black Creek Greenway (from existing greenway to W Dynasty Drive), which will require construction of multiple bridges over Black Creek and a large retaining wall. Project will also include reconstruction of approximately 1 mile of existing trail to fix the substandard design.	Cary	CON	\$3,750,000	30%	\$2,625,000	\$2,625,000	66.22
	James Street to Downtown Apex Pedestrian Projects	The James Street to Downtown Apex Pedestrian Projects will complete a pedestrian route from south of James Street to the heart of downtown Apex and will improve pedestrian infrastructure along the Town's historic main street. The project includes new sidewalk, sidewalk repairs, ramp upgrades, and crossing improvements as follows: (1) Complete construction of approximately 3,100 linear-feet of 5-foot sidewalk along Markham Street, E Moore Street, James Street, Wrenn Street, and N Salem Street; (2) Upgrade ramps at Hunter Street and N Salem Street, Culvert Street and N Mason Street, E Chatham Street and N Mason Street, E Chatham Street and N Hughes Street, Olive Street and N Hughes Street, E Moore Street and N Hughes Street, and E Moore Street and S Ellington Street; (3) Install push-button pedestrian signal across Center Street at N Salem Street; (4) Add a high-visibility crosswalk with median refuge and signs across Salem Street in the vicinity of Thompson Street; (5) Install push-button pedestrian signals for all approaches at the intersection of N Salem Street and Chatham Street; and (6) Install Rectangular Rapid Flashing Beacon for existing high-visibility crossing of N Salem Street at Saunders Street.	Apex	CON	\$570,000	30%	\$399,000	\$399,000	62.89
	Mingo Creek Greenway Extension	Project comprises of land acquisition and construction of a 10-foot wide multi-use asphalt path. Listed in the Town's Comprehensive Pedestrian Plan, CAMPO's Northeast Area Study, and Wake County's Draft Greenway Plan, this project will tie into the existing Mingo Creek Greenway Trail near Mingo Creek Park, continue approximately 1.3 miles, and terminate at Knightdale Station Park. A majority of the trail will traverse along the Mingo Creek Basin near a Duke Progress Transmission Line Easement. The trail alignment would also include a pedestrian crossing on Smithfield Road between Carrington Drive and McKnight Drive.	Knightdale	ROW, CON	\$2,572,000	20%	\$2,057,600	\$2,057,600	61.33
	Timber Drive Sidewalk Connectors	Design and construction of two segments of sidewalk connecting existing sidewalk segments along the south side of Timber Drive within existing right-of-way. These two segments comprise approximately 0.75 miles of new 6' wide sidewalk adjacent to the back of curb, including ADA ramps, striped thermoplastic crosswalks and ADA compliant tie-ins to driveway aprons. Identified as future projects "Timber 3" and "Timber 4" in the Garner Transportation Plan, this proposal also includes completion of pedestrian signals along the link adding one set of signals at Timber Drive and Thompson Road, and adding four sets of signals at Timber Drive and Vandora Springs Road.	Garner	PE, CON	\$406,690	20%	\$325,352	\$325,352	56.78

Intersection Improvements

-  Ramp Upgrade (Existing Pedestrian Signal)
-  Ramp Upgrade (No Pedestrian Signal)
-  High-Visibility Crosswalk
-  Rapid Flashing Beacon
-  Push-Button Pedestrian Signal

Sidewalk Network

-  Existing Sidewalk
-  Proposed Sidewalk



Transit Projects

Transit Projects									
TIPID	Project Name	Project Description	Sponsoring Agency	Sponsoring Agency	Total Cost	Local Match %	Requested Funding	Recommended Funding	Total Score
	FFY18 Bus Stop Improvements	This project consists of prioritizing existing GoCary bus stops that do not currently meet ADA requirements for upgrade. Approximately 45 bus stops will be improved. This funding would support Design/Engineering and Construction of bus stops, as well as project management. Improvements may include concrete boarding pads, benches, trash cans, bike racks and any necessary associated ramp and/or sidewalk improvements.	CTRAN	PE, CON	\$500,000	20%	\$400,000	\$400,000	58.50
	Transit Signal Priority Project	This project will develop a transit signal priority system for the Capital Boulevard corridor to reduce bus travel times.	CAT	CON	\$1,250,000	20%	\$1,000,000	\$1,000,000	48.00
	Compressed Natural Gas Fueling Station*	This project is for construction of a compressed natural gas (CNG) fueling station at GoRaleigh Operations and Maintenance Facility located at 4104 Poole Road. GoRaleigh is planning to transition the bus fleet to CNG. As a part of the transition, a refueling station will need to be built at the existing operations facility for the buses that are CNG.	CAT	PE, CON	\$3,450,000	20%	\$2,760,000	\$2,760,000	39.00

*Conditional Approval: Based on findings of the GoRaleigh study evaluating electric vehicles as an alternative technology, including comparison/coordination with other agencies including the Indianapolis high-frequency BRT and Greensboro fleet transition to electric buses, and based upon release of the investment program required for Zero Emission Vehicle (ZEV) Infrastructure in the Volkswagen Settlement. Additionally, City of Raleigh will present the findings of their two-part study to the CAMPO TCC and Executive Board, including information on transit performance requirements, life cycle costs, emissions, and customer experience.

7.2 LAPP FFY18 Investment Program Con't

Schedule:

Staff released the draft FFY 2018 LAPP Investment Program for public review and comment from January 16, 2017 through February 15, 2017. The TCC reviewed the Investment Program on February 2, 2017 and recommended approval, pending no adverse public comment.

Requested Action:
Conduct Public Hearing
Adopt the FFY18 LAPP Investment Program.

7.3 FY 2016-2025 Transportation Improvement Program – Amendment #5

Staff released FY 2016-2025 Transportation Improvement Program - Amendment #5 for public review and comment from January 16, 2017 through February 15, 2017. The TCC reviewed the Investment Program on February 2, 2017 and recommended approval, pending no adverse public comment.

**Requested Action : Conduct Public Hearing and Adopt FY 2016-2025
TIP Amendment #5**

END OF PUBLIC HEARINGS

8.1 Triangle TDM Program Update

Jenny Halsey, Triangle J COG



TRIANGLE J COUNCIL OF GOVERNMENTS

Triangle Transportation Demand Management



@tjcognc

Triangle TDM

Promoting Alternative Commuter Transportation

WALK

TRANSIT

BIKE

VANPOOL

CARPOL



TELEWORK

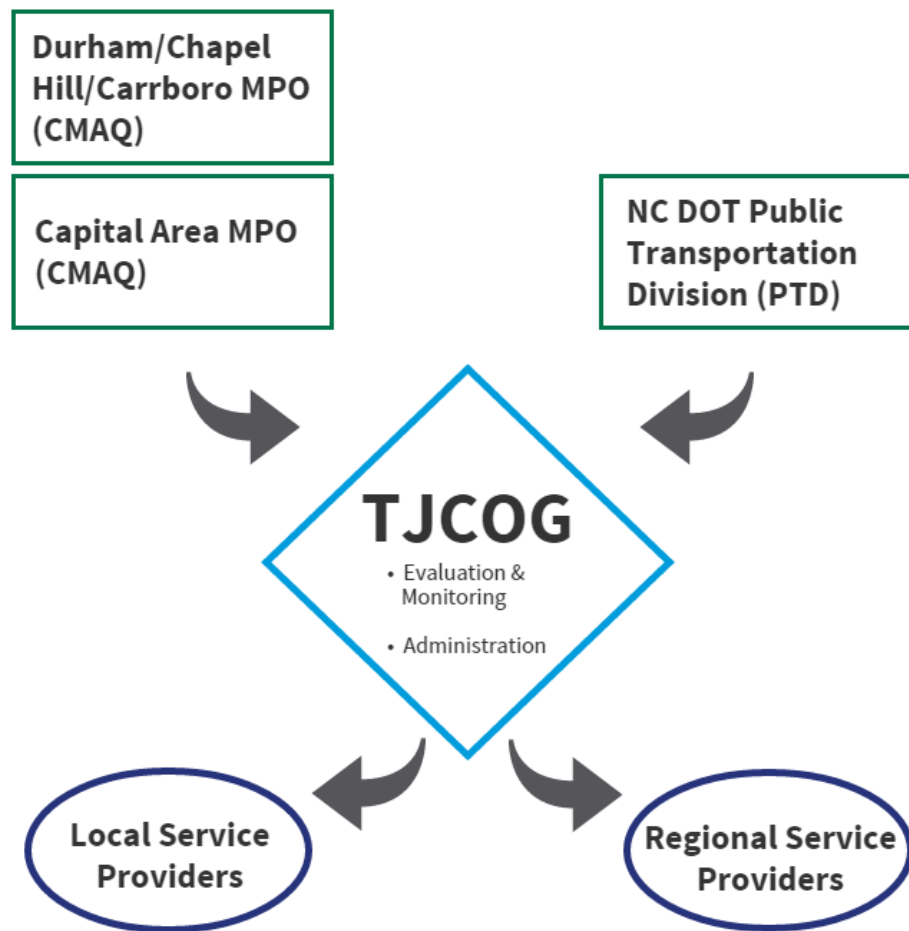
FLEXIBLE HOURS



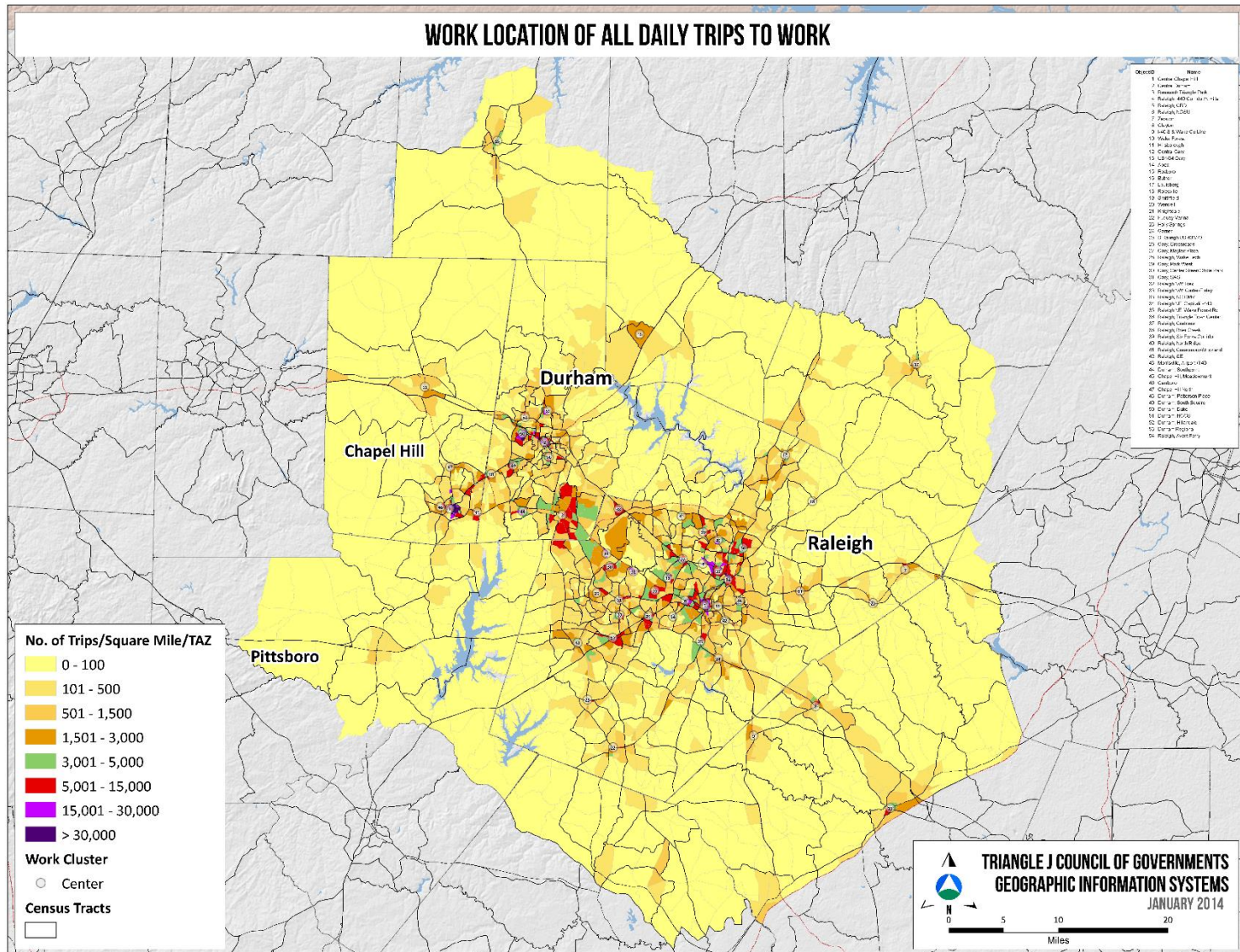
What we want to avoid



Triangle Transportation Demand Management



Hotspots



Triangle 2016 TDM Program Grantees



Rideshare and Incentives



You're on the bus to work.
Tracked your trip yet?

 Register at STRNC.org.
Track eligible trips for points.
Use points to enter prize drawings.

 GoTriangle

GoPerks gives away over \$500 in rewards each month!

Find out more at gotriangle.org/newyear



Best Workplace for Commuters

A national employer recognition program that recognizes their efforts to:

- Mitigate traffic congestion
- Decrease emissions and air pollutants
- Increase quality of life for residents



Campaigns



Commuter Surveys

Employer & Student



TJCOG conducts biennial surveys



Surveys reveal:

- ▶ Current commuter profile of individual
- ▶ If commuters recently changed commute pattern and why
- ▶ What TDM services commuters use
- ▶ Barriers to not using TDM services



2016 Program Impacts

NOTABLE ACCOMPLISHMENTS



4.6 million vehicle trips avoided

That's equivalent to **over 5,500 people** not driving a car for the entire year in 2016



2.6 million gallons of gas saved

It would take almost **4 Olympic swimming pools** to hold that much gas



61 million commute miles reduced

That's roughly **129 trips to the moon** and back



31,921 alternative transportation users supported

If all those users drove single-file, the traffic jam would stretch **89 miles**

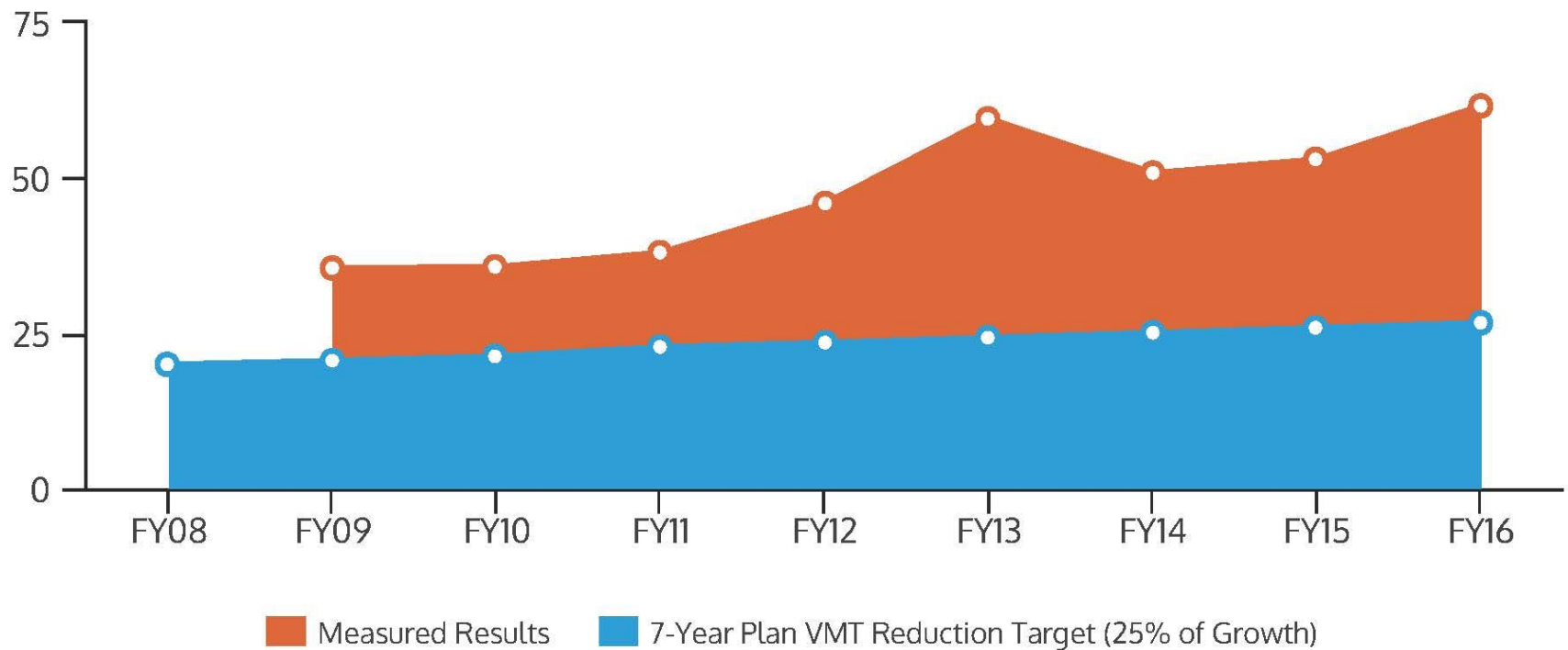


28 million pounds of Carbon dioxide (CO₂) release prevented

To sequester that much carbon naturally would require **583,333 trees**



Annual Commute VMT Reduction



Triangle Transportation Demand Management Program



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Michael Sudol
Jenny Halsey

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919.558.2704
919.549.9390



TRIANGLE J COUNCIL OF GOVERNMENTS

 @TJCOGnc

8.1 Triangle TDM Program Update

Requested Action: Action Receive as information.

8.2 REPURPOSING OF LAPP TRANSIT PROJECT FUNDS

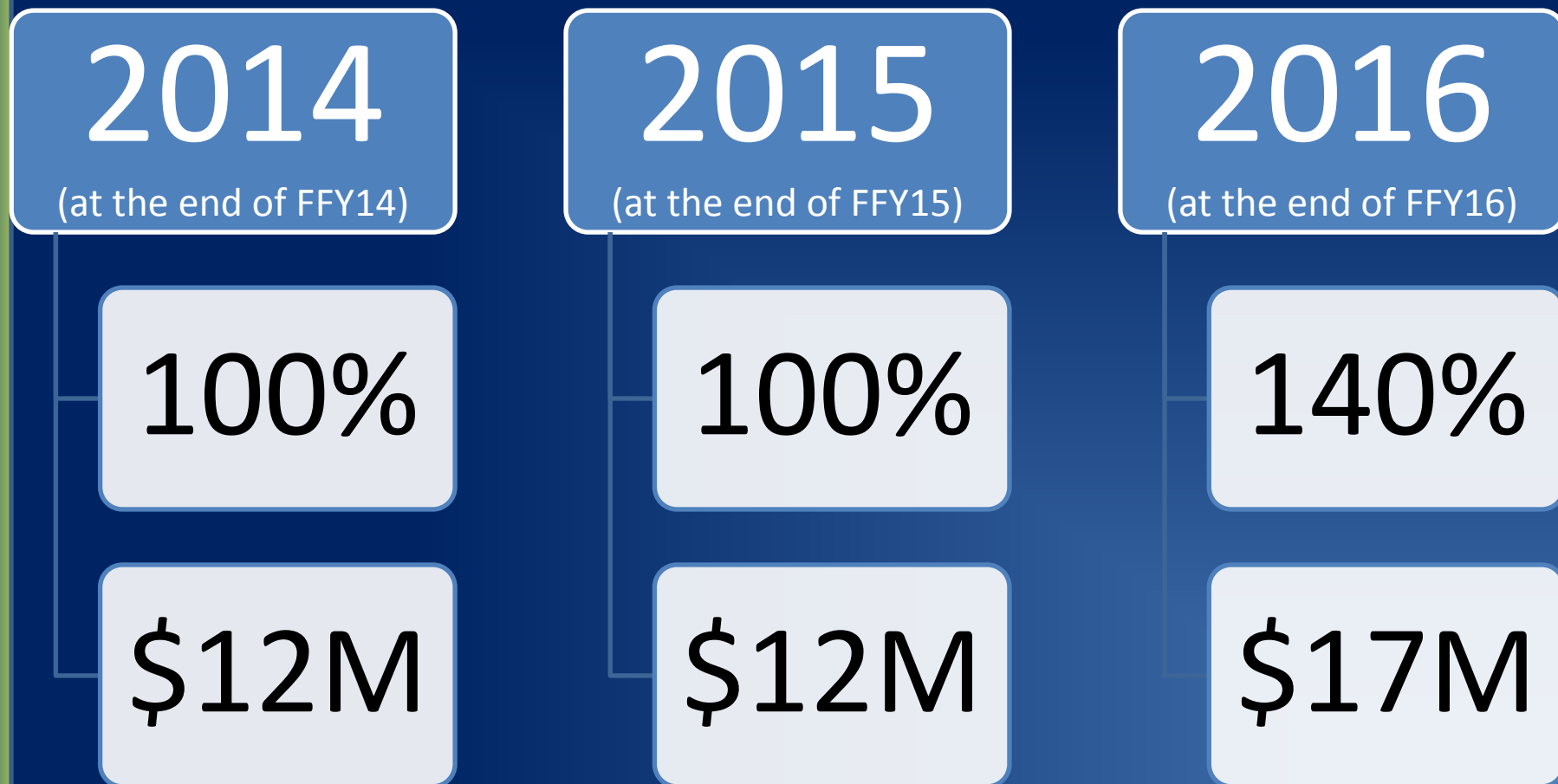
Requested Action: Receive as Information.

8.3 FFY 2017 LAPP Available Funding Report

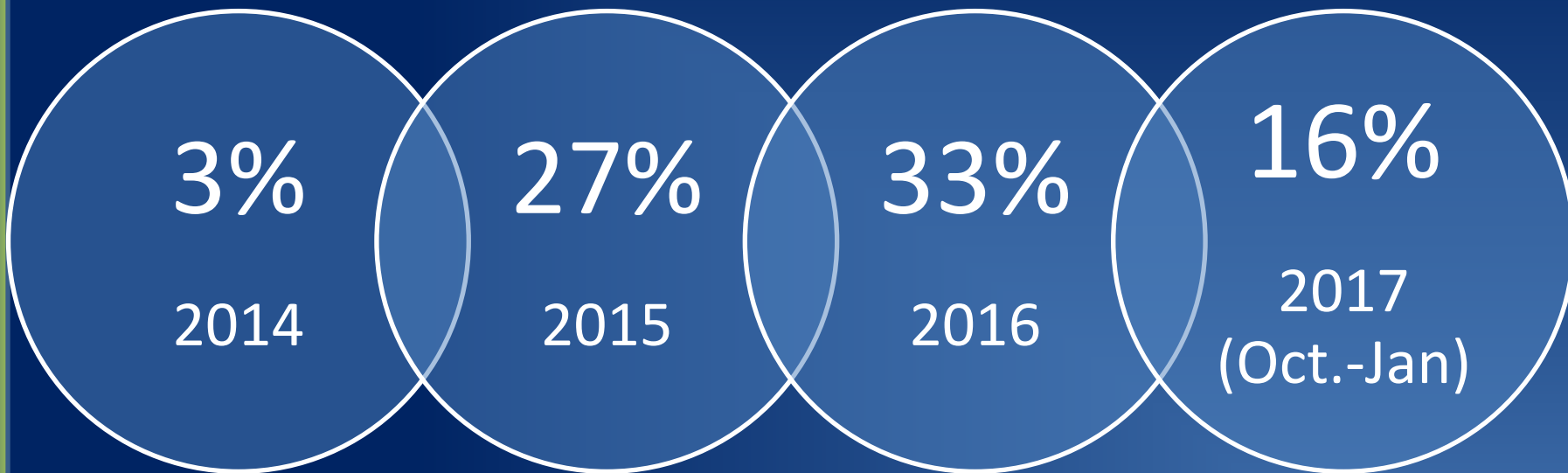
LAPP Goals

1. Develop a holistic approach to identifying and prioritizing small but highly effective transportation projects.
2. Utilize available funding sources in a more efficient manner.
3. Avoid future Federal rescissions to the maximum extent possible.
4. Establish an annual modal investment mix to guide locally administered investments.
5. Create an appropriate tracking system to monitor project status and better ensure obligation and expenditure of programmed funds.
6. Establish a training program for LAPP participants.

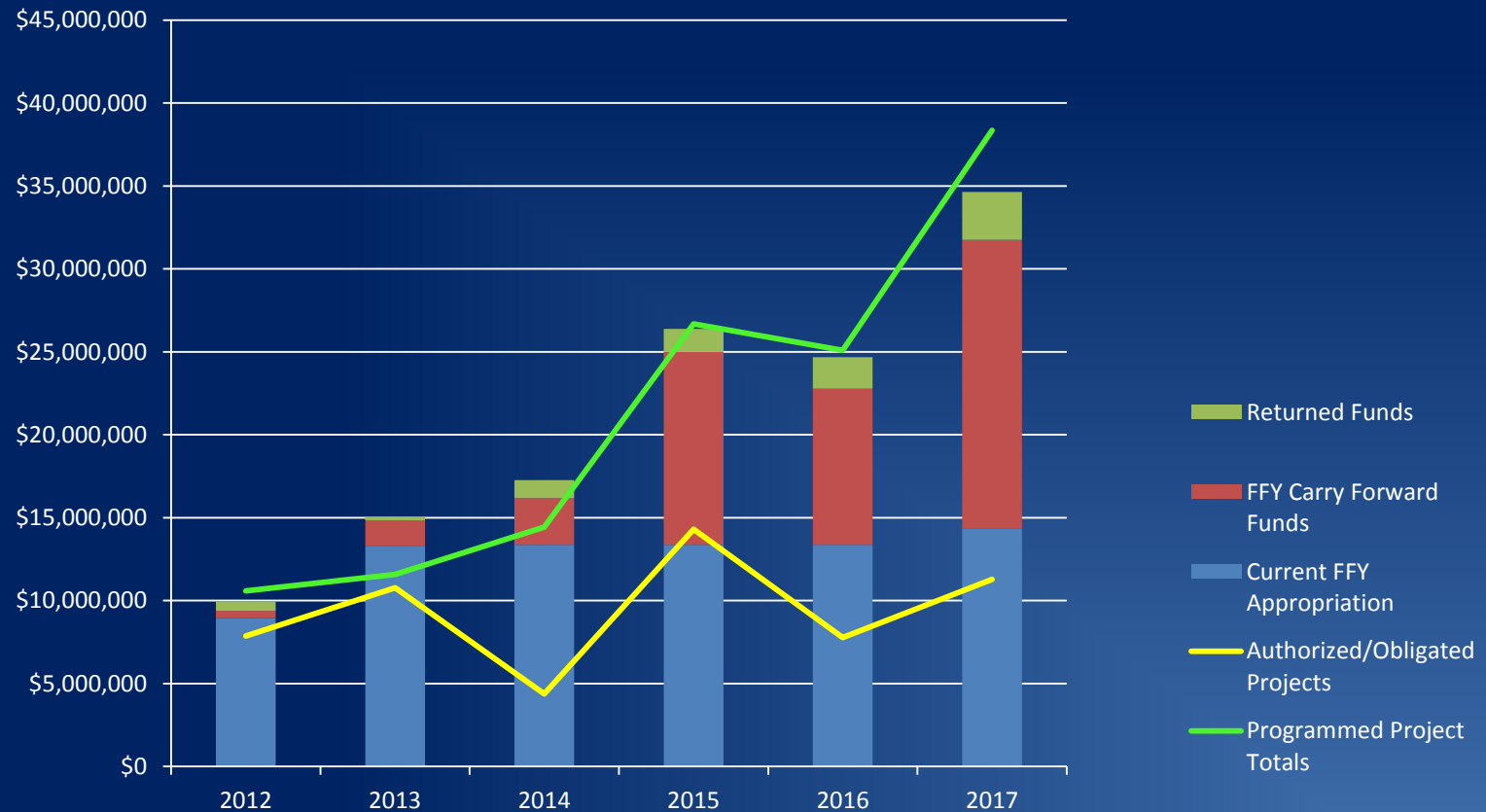
Unused 'Available' STPDA & TAP Funds Exposure Rate



Annual Obligation Rate: Percent of Programmed Funds Obligated on Schedule



Funding Availability Chart



Current Fund Balance

STPDA/TAP
(Appropriation
Amount)

\$23M

CMAQ
(Program Amount)

\$19M

Action:
Receive as information

8.4 Wake Transit Master Participation Agreement

- Name changed to “Wake Transit Master Participation Agreement” (Master Agreement)
- Purpose:
 - Define scope of parties’ participation in Wake Transit Plan implementation
 - Set parameters for parties expecting to receive funding
- Parties: Any agency expecting to benefit from Wake Transit tax revenues in the implementation of the Wake Transit Plan
- Parties can choose to participate in agreement now or later
- CAMPO and GoTriangle must be parties
- Term = 25 years

8.4 Wake Transit Master Participation Agreement

Schedule for CAMPO's consideration of approval of Master Agreement

ACTION	DATE
TCC Received Master Agreement as Information	February 2, 2017
Executive Board Receives Master Agreement as Information Only	February 15, 2017
TPAC Releases Master Agreement for Signing Party Approval/Adoption	February 22, 2017
CAMPO staff releases Master Agreement for 30-day CAMPO public comment period	February 23, 2017
MUST RELEASE FOR PUBLIC COMMENT ON MARCH 20, 2017 AT THE LATEST	
CAMPO Public Comment Period Ends	March 25, 2017
TCC Considers Recommendation of Approval of Master Agreement to Executive Board	April 6, 2017
Executive Board Considers Approval/Adoption of Master Agreement	April 19, 2017

8.4 Wake Transit Master Participation Agreement

Substantive Provisions of Master Agreement

- Acknowledgement/confirmation of party participation through the TPAC and TPAC's responsibilities
- Eligibility and requirements for Wake Transit funding:
 - Requires parties to participate in Master Agreement, TPAC, and vehicle registration tax ILA to receive funding
 - Acknowledgement of subsequent agreements that will contain minimum project standards
- Compliance with state law re: supplementation vs supplantation

8.4 Wake Transit Master Participation Agreement

**Requested Action:
Receive as information**

8.5 CAMPO Bonus Allocation Methodology

- The Strategic Transportation Investments law (STI) creates incentives for local government participation of funding and tolling of highways by establishing “bonus allocation” funding. Bonus allocation funding is provided to a MPO when either local funding is provided for a highway project or tolling is enacted. As a result of this provision, the MPO is expected to receive an additional allocation of approximately \$100 million in FY 19 and \$80 million in FY 20 in response to the tolling of NC 540 in southern Wake County.

8.5 CAMPO Bonus Allocation Methodology

- Highway Tolling BA vs Local Funding Participation BA
- STI Law Requirements
 - “The Organization shall apply the bonus allocation only within those counties in which the toll project is located.”
 - Regional Impact & Division Needs funding Caps (10%)
 - Programming/Scheduling Requirements
- CAMPO Guiding Principles

8.5 CAMPO Bonus Allocation Methodology

Next Steps

- Hot Spot Study to assist in development of BA Prioritization Methodology
 - DRAFT Methodology for Executive Board consideration (Late Spring / Early Summer)
- SPOT/TIP Subcommittee - late February / early March

Requested Action:
Receive as information

8.6 Joint MPO Transportation Policy Principles

- Additional funding to meet the state's transportation needs
- Exempt STBGP from STI formulas at the Division Needs level
- Remove the 10% cap on statewide funding within a corridor
- Remove the 10% cap on rail transit funding
- Allow for state funds to be directed to bicycle and pedestrian projects

Requested Action:

Review the updated draft Joint MPO Transportation Policy Principles and consider adoption.

8.7 CAMPO Staff Addition: Public Engagement Planner

- Currently vacant – Planning Technician Position
- New Public Engagement Plan and Title VI/LEP Plans – need staff oversight to implement & monitor
- Desire from strategic planning efforts to improve and enhance CAMPO's public outreach efforts and communication strategies

Requested Action:
Approve staff addition

9. Budget Informational Items

9.1: Operating Budget 2016

9.2: FY 16 Member Shares

Requested Action:
Receive as information

10.1 Information Item: Project Updates

- Hot Spot Program
- Transit Systems Planning
- Southeast Area Study
- Regional Freight Plan Study
- LAPP Program
- LAPP Funding Availability Report
- (SRTS) John Rex Endowment Grant Award Update
- NC Non- Motorized Volume Data Program – Phase II Region Roll-out
- Triangle Tolling Study
- NC 98 Corridor Study

Requested Action:
Receive as information

12. Information Item: Staff Reports

- MPO Executive Director, Chris Lukasina
- TCC Chair
- NCDOT Transportation Planning Branch
- NCDOT Division 4
- NCDOT Division 5
- NCDOT Division 6
- NCDOT Rail Division
- NC Turnpike Authority

Requested Action:

Receive as information

Upcoming Events

Date	Event
March 1, 2017 9:00 – 3:00	Required LAPP Recipient Training
Mar. 2, 2017 – 10:00 am	TCC
Mar 15, 2017 – 4:00 pm	Executive Board
Apr. 6, 2017 – 10:00 am	TCC
Apr. 19, 2017- 4:00 pm	Executive Board

ADJOURN