











GRAPEVINE M & AUTO CENTRE

TESLA

ZERO EMISSIONS







TESLA







NO SMOKING

Key-O's
Ice Cream
817-385-9862

#texasEV

#texasEV

EV OWNER
Hilary

#texasEV

#texasEV

#texasEV

#texasEV



Classic BMW

Classic BMW

TESLA

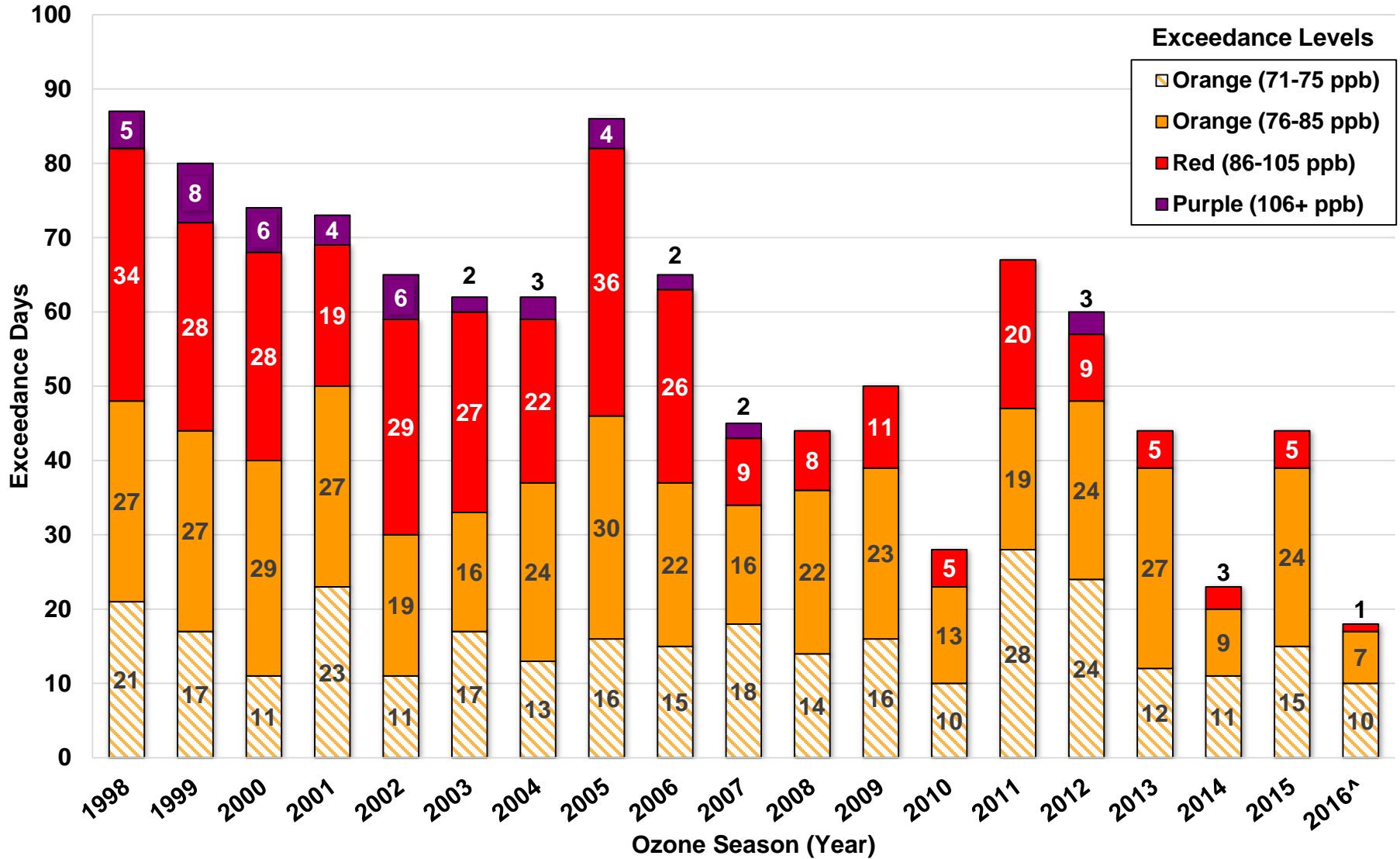
TEXAS
GBN-2042

EV

CLASSIC

2016 OZONE SEASON

Eight-Hour Ozone Exceedance Days Based on 70 ppb Standard



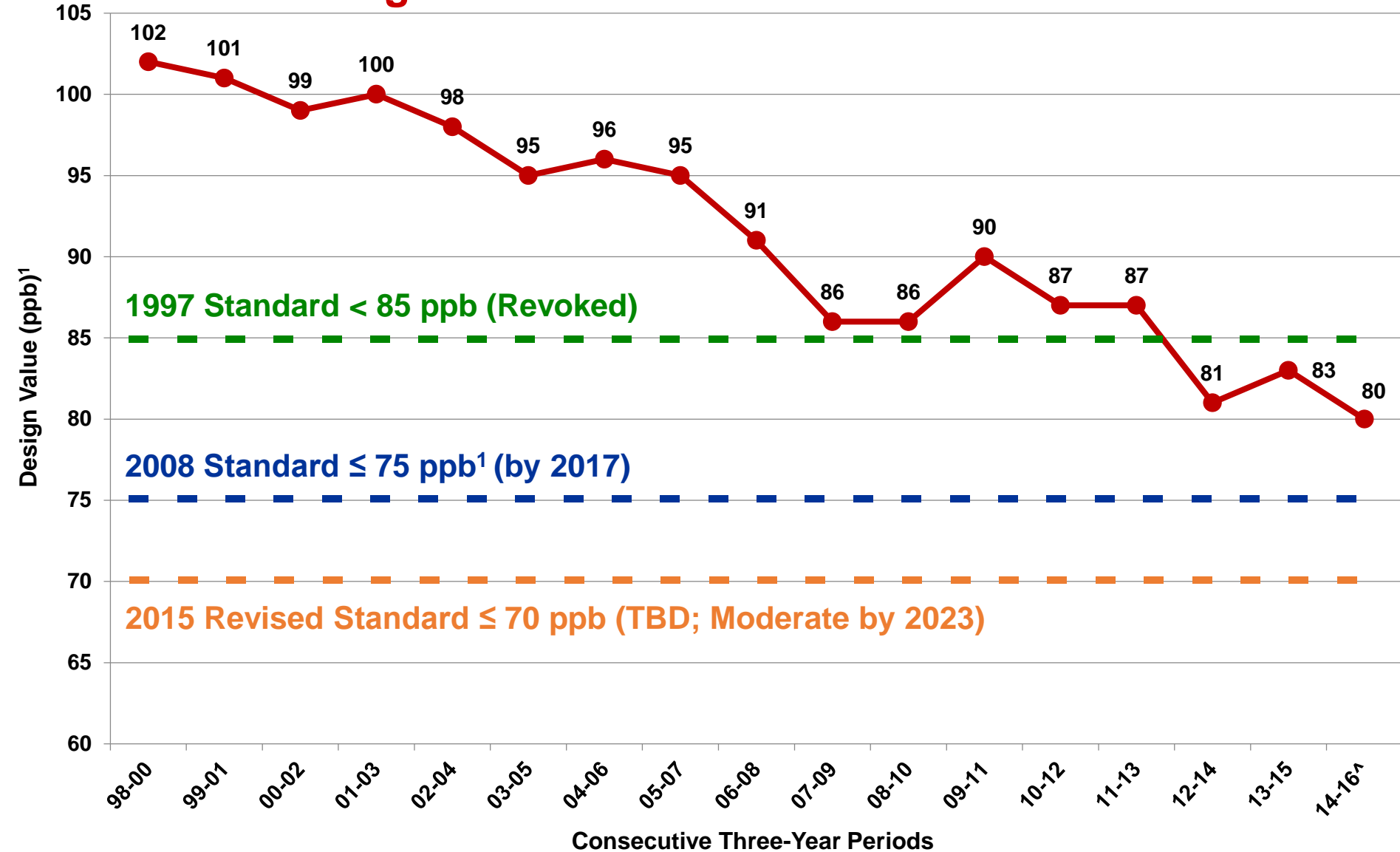
Exceedance Level indicates daily maximum eight-hour average ozone concentration. Exceedance Levels are based on Air Quality Index (AQI) thresholds established by the EPA for the revised ozone standard of 70 ppb.

[^]Not a full year of data, current as of 10/12/2016

Source: TCEQ, http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl
ppb = parts per billion

2016 OZONE SEASON

Eight-Hour Ozone Historical Trends



¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is less than or equal to 70 parts per billion (ppb).

[^]Not a full year of data, current as of 10/12/2016.

Traffic Signal Data Sharing to Support Automated Vehicle Applications

Regional Transportation Council

October 13, 2016



Thomas Bamonte

North Central Texas Council of Governments

Agenda

Automated Vehicle Deployment Opportunities Using
Traffic Signal Data

Current Status

Recommendation

Next Steps

Automated Vehicle Technology

Vehicle-to-Infrastructure
Connected Vehicle



Automated Vehicle Technology

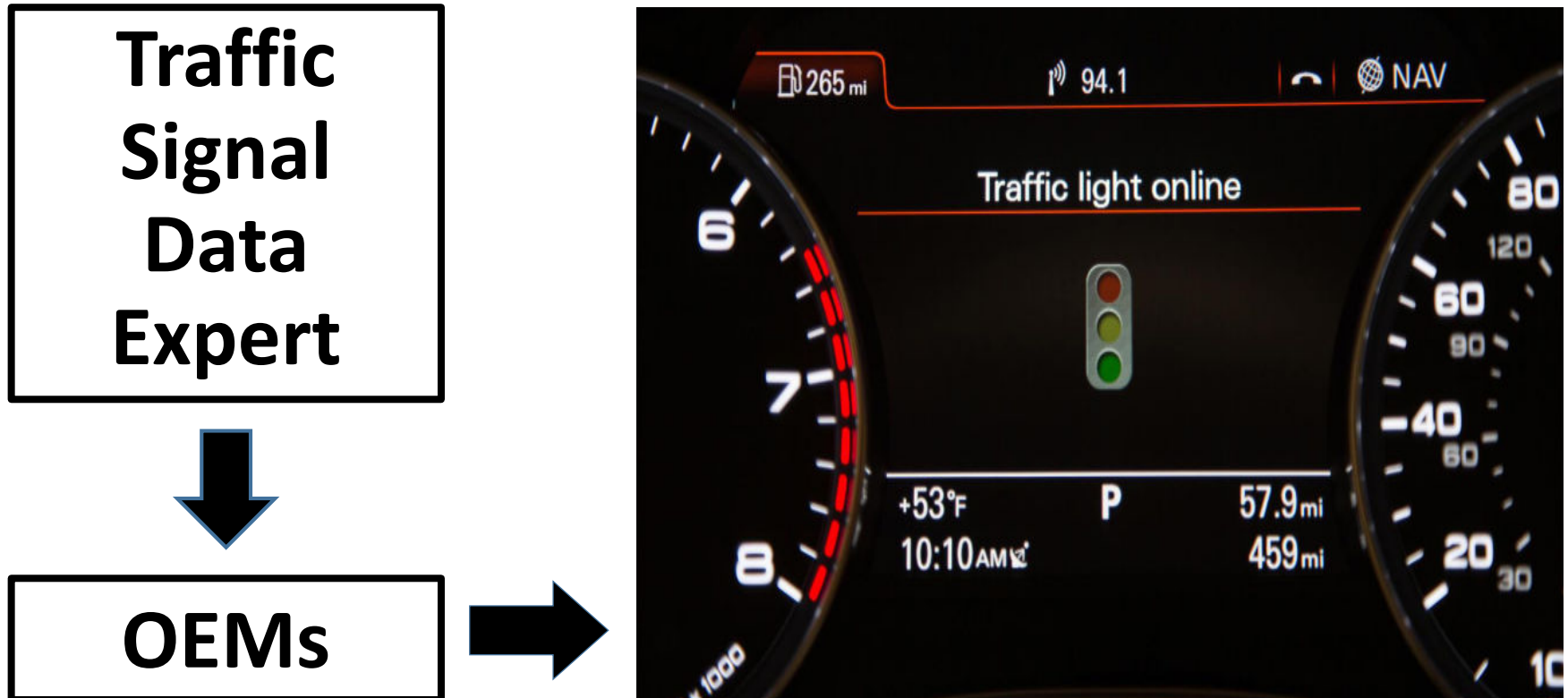
Autonomous Vehicle
Connected Vehicle
Vehicle-to-Vehicle
Vehicle-to-Infrastructure

Traffic Signal to Vehicle Communication



**Traffic
Signal Data
Expert**

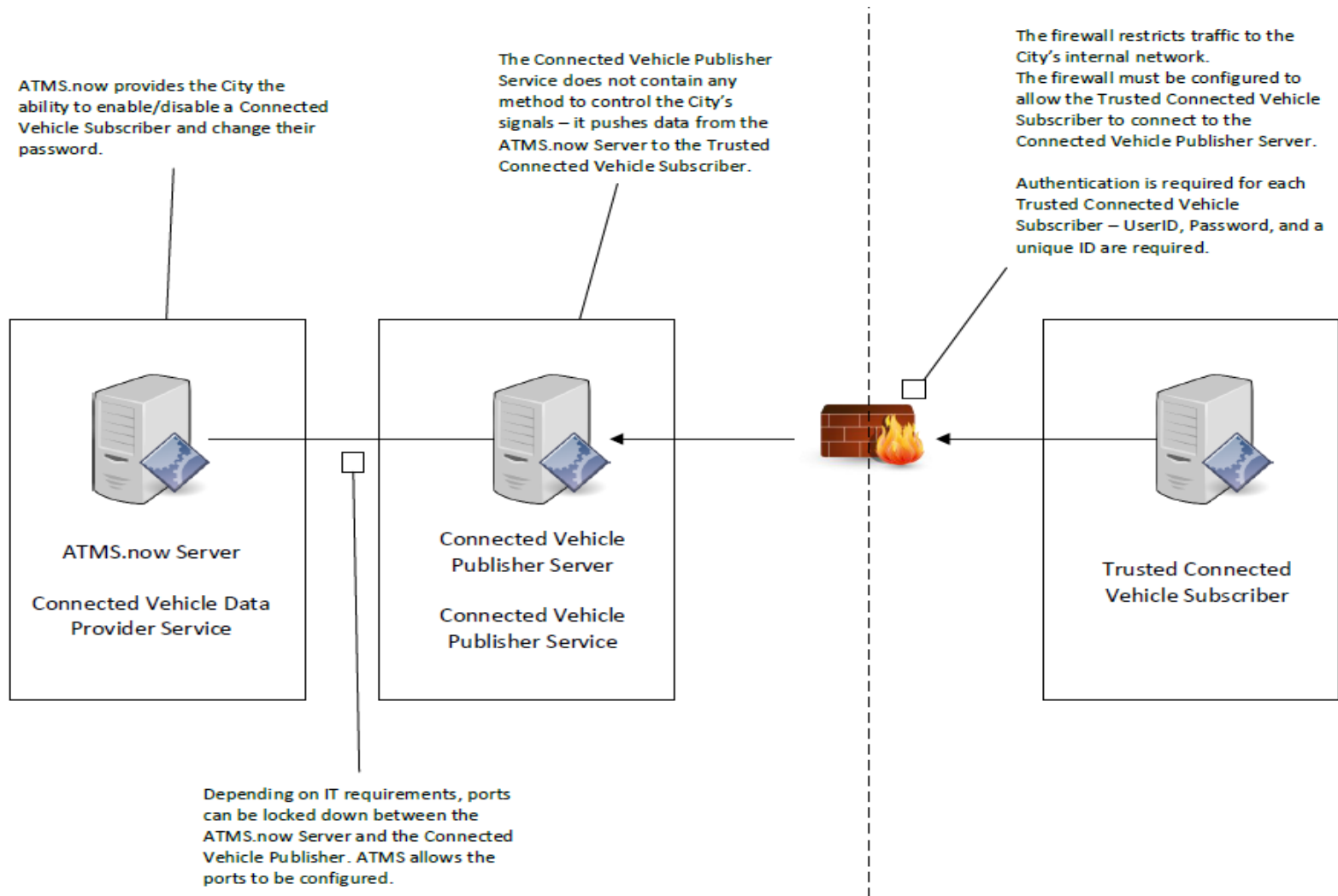
Traffic Signal to Vehicle Communication



Traffic Signal to Vehicle Communication



Network Architecture & Security



Current Status

Partner Agency Interest in V2I Traffic Signal Projects

OEM Interest in North Texas V2I Traffic Signal Services

Sample Agreement between Partner Agency and Traffic Data Expert

Draft Agreement between NCTCOG and Traffic Data Expert

Draft RFP to Identify Other Interested Parties in V2I Traffic Signal Projects

Recommendation

Approve pursuit of traffic signal data-sharing agreements in cooperation with regional partners to support automated vehicle applications in the region.

Next Steps

Task	Timeframe
Issue RFP	October
Brief ITS Stakeholders Task Force	November
First traffic signal V2I pilot	November
Briefing for traffic engineers	November
RFP responses due	December
Brief STTC/RTC	Early 2017

Contact Information

Thomas J. Bamonte, Program Manager

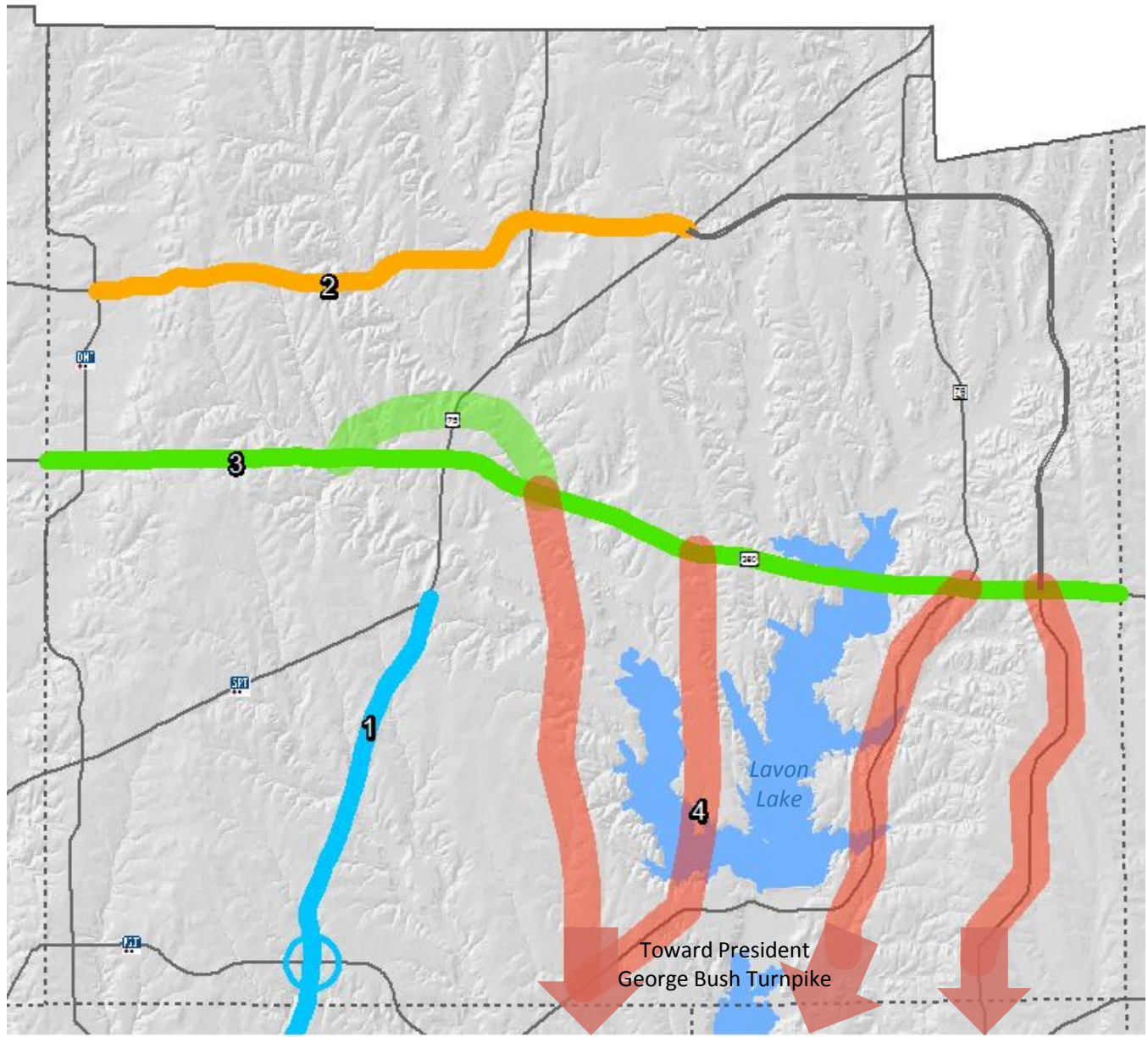
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- Corridor 1 (Near Term):**
US 75
 - Widening in Allen
 - PGBT Interchange Ramp Improvement
 - Widen Plano Parkway and DART rail bridges
 - Technology Lane
- Corridor 2 (Near Term):**
Collin County Outer Loop
 - Staged construction of frontage roads
- Corridor 3 (Near Term):**
US 380
 - Countywide Study
 - McKinney Bypass
- Corridor 4 (Longer Term):**
Collin County Strategic Transportation Initiative
 - Study of non-tolled north/south roadway needs and opportunities



Roadway Action Plan for Collin County

Corridor	Project	Description	Contact
1) US 75 (Near Term)	Widening in Allen	Widen freeway to a continuous 8-lane section through Allen	TxDOT: Kelly Selman
	PGBT Interchange Ramp Improvement	Widen ramps from PGBT to northbound US 75 and US 75 southbound to PGBT	NTTA: TxDOT: Kelly Selman
	Widen Plano Parkway and DART rail bridges	Widen narrow section on US 75 by expanding Plano Parkway and DART rail bridges	TxDOT: Kelly Selman
	Technology Lane	Remove HOV lane and pylons and allow usage of the lane during peak-hours and for incident management	NCTCOG: Natalie Bettger TxDOT: Kelly Selman
2) Collin County Outer Loop (Near Term)	Staged construction of frontage roads	Construct one side of frontage road between DNT and SH 121	NCTCOG: Sandy Wesch Collin County: Clarence Daugherty
3) US 380 (Near Term)	Countywide Study	Study needs on US 380 from Denton County line to Hunt County line	TxDOT: Kelly Selman
	McKinney Bypass	Study potential of a bypass around northern McKinney for US 380	TxDOT: Kelly Selman
4) Collin County Strategic Transportation Initiative (Longer Term)	Study of non-tolled north/south roadway needs and opportunities	Study north/south transportation needs in the southeastern part of Collin County to enhance the non-tolled roadway grid around Lavon Lake and connections southward to PGBT.	NCTCOG: Dan Lamers

REGIONAL 10-YEAR PLAN/PRIORITIES

Regional Transportation
Council

October 13, 2016



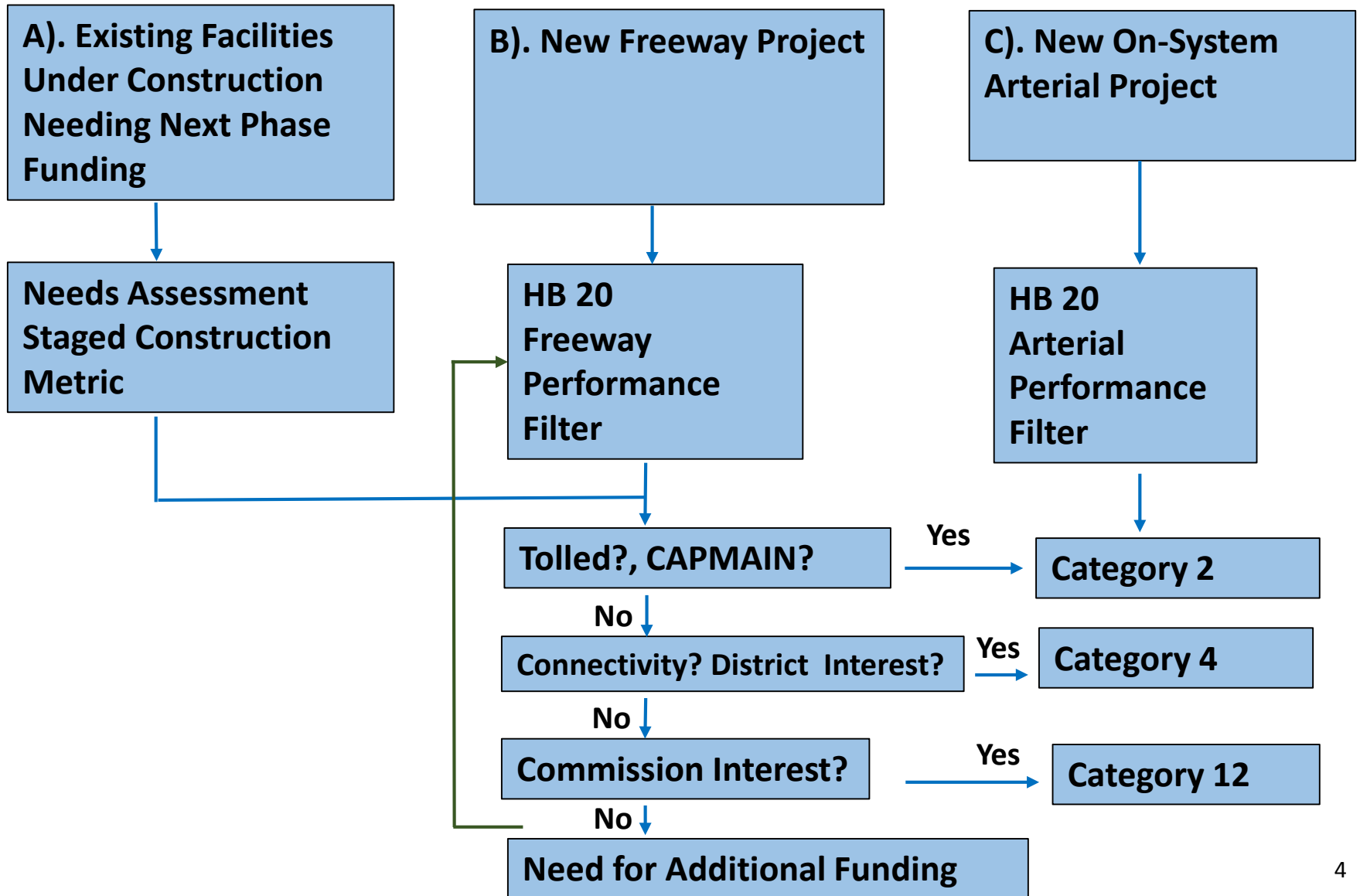
REGIONAL FUNDING ALLOCATION FROM FY 2017 to FY 2026

- In August 2016, the Texas Transportation Commission (TTC) approved that new Categories 2, 4, and 12 allocations for FY 2017 to FY 2026.
- HB 20, passed by the 84th Texas Legislature, required the Texas Department of Transportation (TxDOT) and Metropolitan Planning Organizations (MPOs) to:
 - Develop a 10-year plan for the use of allocated funds
 - Use performance based planning and project selection

REGIONAL FUNDING ALLOCATION FROM FY 2017 to FY 2026

- TIP funding categories for project selection
 - Category 2 – Urban Mobility Corridors
 - Category 4 – Statewide Connectivity
 - Category 12 – Commission Strategic Priority
- Projects being evaluated in “three paths”
 - A) Previously unfunded commitments or existing facilities under construction needing next phase funding
 - B) New freeway projects
 - C) New on-system arterial projects

PROJECT PRIORITIZATION: PROCESS OF FILLING FUNDING BUCKETS



REGIONAL FUNDING ALLOCATION FROM FY 2017 to FY 2026¹

DRAFT

FUNDING CATEGORY	WEST (\$ IN BILLIONS)	EAST (\$ IN BILLIONS)	TOTAL (\$ IN BILLIONS)
CAT 2 : Metropolitan Corridor	\$1.02	\$2.18	\$3.20
CAT 4: Connectivity Corridor	\$0.49	\$1.04	\$1.53
CAT 12: Strategic Priority "Clear Line"	\$0.68	\$1.45	\$2.13
TOTAL	\$2.19	\$4.67	\$6.86

- Categories 2,4, and 12 funds are distributed 32 percent in the West and 68 percent in the East. Formulas are being updated.

INITIAL NINE FUNDING “BUCKETS”

CAT 2 FW: FWY/ART¹

CAT 2 DAL: FWY/ART¹

CAT 2 HUNT: FWY/ART¹

CAT 4 FW

CAT 4 DAL

CAT 4 HUNT

CAT 12 FW

CAT 12 DAL

CAT 12 HUNT

¹Sensitivity to Proposition 1 is Critical

EAST- WEST EQUITY SHARE (SAFETEA-LU and MAP-21)

- There have been no changes to the funding shares between the Eastern and Western Subregions since the last report in June 2016
- Staff proposes to move the East-West equity balance closer to the preferred distribution through this effort.

East- West Equity Share (SAFETEA-LU and MAP-21)	Cumulative Total (\$ in Millions)	
	WEST	EAST
SAFETEA-LU East-West Equity Total	\$649.76	\$1,558.48
MAP-21 East West Equity Total	\$320.98	\$847.62
Cumulative Total	\$970.74	\$2,406.10
Percentage Shares	28.75%	71.25%

NEXT STEPS

- Finalize project performance measures
- Finalize draft project listing and map
- Balance project needs with available resources
- Submit to TxDOT headquarters to fulfill the HB 20 requirements

TIMELINE

Date	Action
June 2016	TTC announced new Category 2 Funds
July 2016	Introduced 10-year plan process to STTC for information
August 2016	Introduced 10-year plan process to RTC for information
September 2016	NCTCOG Public Meetings: 10-Year Plan Process (September 12,14, & 20)
October 2016	STTC for information item RTC for information item NCTCOG/TXDOT consensus on preliminary project list
November 2016	RTC first reading NCTCOG Public Meetings: Project List
December 2016	STTC action RTC final action
December 15th 2016	TTC briefing

CONTACT/QUESTIONS?

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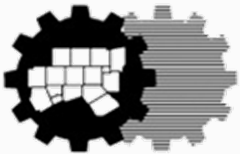
Project Funding:

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Draft Legislative Program

Regional Transportation Council
October 13, 2016



Amanda Wilson, AICP
North Central Texas Council of Governments

Federal Legislative Update

FY 2017 Appropriations

- **Continuing Resolution (CR) extended through December 9, 2016**
- **Funding at the current 2016 rate**

Budget Outlook

- **Congress returns after November elections**
- **Pass omnibus appropriations bill, a series of smaller bills or another CR**

Draft RTC Legislative Program

Continue Progress Made Toward Improving Transportation and Air Quality

- **Support full appropriation of Proposition 1 and 7 revenues**
- **Protect the ending of diversions**
- **Retain ability to utilize tools**
- **Continue to appropriate LIRAP/LIP**
- **Retain eminent domain authority for transportation**
- **Support performance-based planning**

Draft RTC Legislative Program

Invest in Further Progress Toward Meeting Transportation and Air Quality Needs

- **635 East Project CDA**
- **Identify additional transportation revenue**
- **Appropriate LIRAP's balance of previously collected funds; modernize and increase flexibility in LIRAP/LIP**
- **Protect TERP revenue, ensure funds are utilized on projects that meet the intent of the program, including roadway/goods movement transportation projects**

Draft RTC Legislative Program

Provide Support for Other Topics to be Addressed in Legislation

- **Improve air quality**
- **Increase safety**
- **Plan/implement all modes of transportation**
- **Relieve congestion**
- **Maintain local and regional decision-making**
- **Utilize innovative technology**

Draft RTC Legislative Program

Provide Support for Other Topics to be Addressed in Legislation (Continued)

- **Support land use/transportation connections**
- **Maintain active operations and management of the system**
- **Enable transportation data sharing with privacy protection**
- **Plan for shared mobility solutions**

Summary of Communications

Legislative Updates

- **Contains legislative actions, highlighted bills, committee hearings, bill tracking**
- **Emails sent weekly during legislative session & posted online**

Summary of Communications

Committee Hearing Updates

- **Highlights major bills scheduled to be heard in committee the following week**
- **May request needed RTC actions**
- **Emails sent on Fridays as committees hear key legislation**

Contact Information

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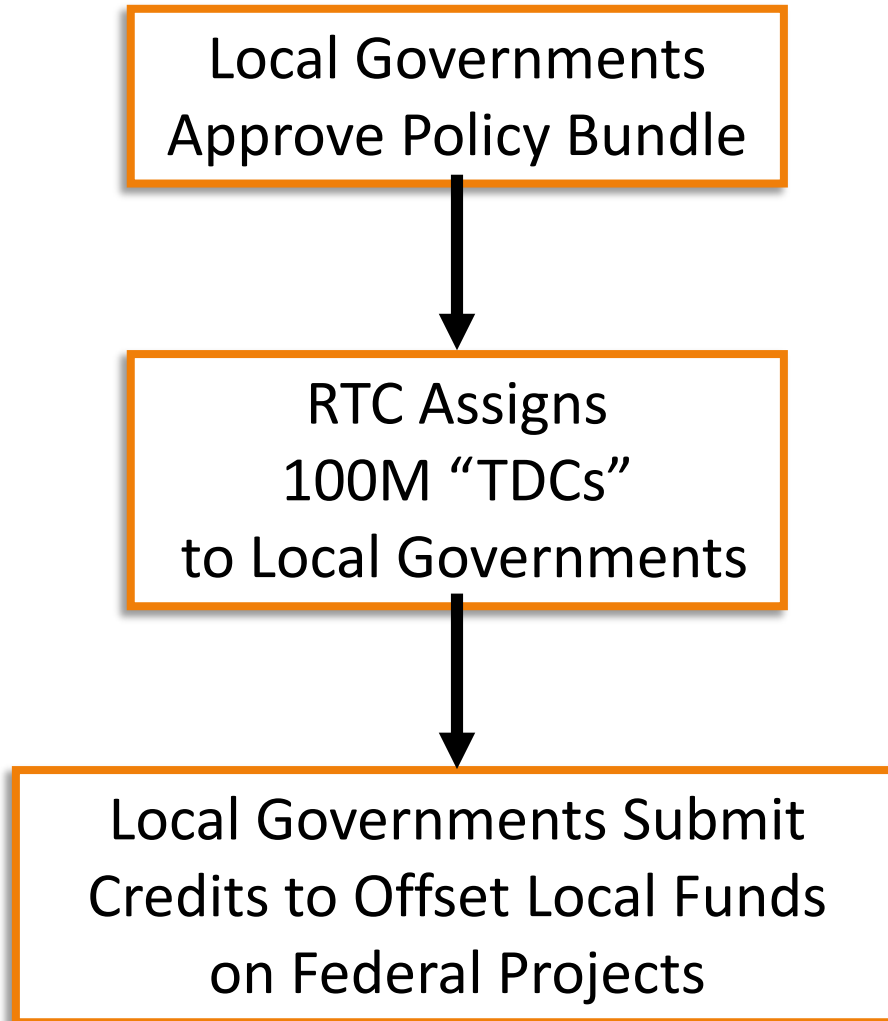
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www.nctcog.org/trans/legislative



Policy Bundle Review

Policy Bundle Concept - Credit Bank



MTP Policies

Government Entities' Decision

- Voluntary
- Decide Preference
- 50 Percent Target

Total Policies and Requirements by Agency Type

- Cities – Total 20 / Require 10
- Counties – Total 17 / Require 8
- TxDOT – Total 12 / Require 6
- NTTA – Total 7 / Require 3
- Transit Agencies – Total 10 / Require 5
- ISDs – Total 7 / Require 3

Eligibility for Policy Bundle TDCs

Complete eligibility survey annually until TDCs are diminished

Meet 50 percent threshold of eligible policies

Have projects potentially eligible to receive TDCs

TDCs may be applied to:

1. Existing projects/programs
2. New or future projects which follow existing TIP process
(no specific call for projects for this effort)

Note: Additional funding for current project to offset match is not available

RTC Workshop

Save the Date!

November 10th

11-12pm

Transportation Council Room

Lunch will be provided for RTC members that RSVP

- Review of Policy Bundle Criteria.
- Special focus on policies and coordination with School Districts.
- Superintendents and School Board Presidents will be invited from all area ISD's. **Please reach out and encourage them to attend with you!**

DRAFT Schedule for Implementation

Date	Action
September 23, 2016	MTP Policy Bundle Workshop
October 3, 2016	MTP Policy Bundle Survey went live
November	Workshop
February 3, 2017	Early submittal for staff review
March 3, 2017	Deadline for agencies to complete survey (with all required documents)
April 28, 2017	TIP Modifications due
June 23, 2017	TIP Modifications: STTC action
July 13, 2017	TIP Modifications: RTC action
Late August-September 2017	Anticipated final federal approval

Website Information

www.nctcog.org/policybundle

Hosted on the Mobility 2040 webpage

Includes:

Slides, handouts, and FAQ
from STTC workshop

Staff contacts

Sample surveys

Link to complete the survey

Metropolitan Transportation Plan Policy Bundle Voluntary Measures

Mobility 2040, the region's current Metropolitan Transportation Plan (MTP), recommendations consist of policies, programs, and projects that reflect regional priorities and support Mobility 2040 goals. However, the construction of infrastructure projects alone cannot achieve the goals of Mobility 2040. To encourage the development of alternative, strategic solutions, Mobility 2040 includes a voluntary list of policies that local governments and transportation agencies can choose to adopt. These policies aim to address issues that affect transportation in the region, and cover a wide range of topics. By voluntarily adopting 50 percent of these policies, participating agencies will receive an offset of local funds in federal transportation projects in the form of Transportation Development Credits (TDCs).



MTP Policy Bundle Workshop

NCTCOG will host a workshop for local governments and transportation agencies detailing MTP Policy Bundle processes and procedures.

MTP Policy Bundle Workshop
September 23, 2016
10 am - 12 pm
NCTCOG Transportation Council Room

Agenda
Presentation
Mobility 2040 - Appendix G: Policy Bundle
Survey Checklist
Sample Surveys:

- City Survey
- County Survey
- ISD Survey
- TxDOT Survey
- Transit Agency Survey
- NTTA Survey

Workshop Recording - *coming soon!*