



City of Norman, OK

Municipal Building
Council Chambers
201 West Gray
Norman, OK 73069

Master

File Number: R-1516-48

File ID: R-1516-48

Type: Resolution

Status: Consent Item

Version: 1

Reference: Item 35

In Control: City Council

Department: Public Works
Department

Cost:

File Created: 11/02/2015

File Name: Resolution requesting STP-UZA funds for Traffic
Signal video Detection Upgrades (Phase 3) Citywide.

Final Action:

Title: RESOLUTION: R-1516-48: A RESOLUTION OF THE COUNCIL OF THE CITY OF NORMAN, OKLAHOMA, PROGRAMMING FEDERAL SURFACE TRANSPORTATION PROGRAM URBANIZED AREA (STP-UZA-SAFETY) FUNDS FOR TRAFFIC SIGNAL VEHICLE VIDEO DETECTION UPGRADES CITYWIDE (PHASE 3).

Notes: ACTION NEEDED: Motion to adopt or reject Resolution R-1516-48.

ACTION TAKEN: _____

Agenda Date: 11/10/2015

Agenda Number: 35

Attachments: 2017-2020 ACOG Summary, Table of Resolutions,
Location Map, R-1516-48

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Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:

Text of Legislative File R-1516-48

Body

BACKGROUND: The 2012 - Moving Ahead for Progress in the 21st Century (MAP-21) federal transportation funding bill allocates approximately \$21 Million in Federal funds per year for the implementation of eligible transportation improvements in the Oklahoma City metropolitan area. Ten percent of this appropriation is used to fund safety projects at 100% of their construction cost.

Every year, the Association of Central Oklahoma Governments (ACOG) coordinates a regional evaluation process that identifies transportation improvements eligible for federal funding. Individual projects are rated and compared to one another using a pre-established criterion. The process ends with the formulation of the region's transportation improvement program and the decision to use federal funds to pay for a significant portion of the cost of the higher priority projects.

DISCUSSION: On December 15, 2015, staff will submit twenty projects for consideration in the formulation of ACOG's Four-Year Transportation Improvement Plan. One of the requirements for project consideration is that interested cities submit programming resolutions for each individual project. In years past, Council has adopted

resolutions for seventeen of the twenty projects. The three projects that need programming resolutions in order to be considered in the plan update are:

- Pavement Markings (Phase 5) - Pavement Markings at various locations throughout the City (100% Safety) (Resolution R-1516-33)
- Flood Avenue Sidewalks, between Gray Street and Dakota Street (Resolution R-1516-34)
- Tecumseh Road, between 12th Avenue NE and Hollister Trail (Resolution R-1516-35)

Additionally, in an effort to maximize the amount of federal funds that can be used for the construction of the 36th Avenue NW Bond project, between Tecumseh Road and Indian Hills Road, and the 24th Avenue East Bond project, between Lindsey Street and Robinson Street, staff will be submitting the projects as two phases. This strategy gives the City an opportunity to leverage an additional \$5 million in federal funds for the construction of the overall projects. To move forward, it is necessary for City Council to adopt programming resolutions for the following projects:

- 36th Avenue NW widening and reconstruction, from north of Tecumseh Road to Franklin Road (Phase 1) (Resolution R-1516-36)
- 36th Avenue NW widening and reconstruction, from north of Franklin Road to north of Indian Hills Road (Phase 2) (Resolution R-1516-37)
- 24th Avenue East widening and reconstruction, from north of Lindsey Street to south of Alameda Street (Phase 1) (Resolution R-1516-38)
- 24th Avenue East widening and reconstruction, from north of Alameda Street to north of Robinson Street (Phase 2) (Resolution R-1516-39)

Finally, in order to begin advancing some of the projects included in the City's Comprehensive Transportation Plan and scheduled beyond federal fiscal year 2020, City Council also needs to adopt the following project programming resolutions:

- Cedar Lane Road, from 1/2 mile east of 24th Avenue SE to 36th Avenue SE (Resolution R-1516-40)
- 36th Avenue SE, from Cedar Lane Road to State Highway 9 (Resolution R-1516-41)
- 36th Avenue NW (Phase 3), from north of Indian Hills Road to Moore City Limits (Resolution R-1516-42)
- 48th Avenue NW (Phase 1), from Robinson Street to Rock Creek Road (Resolution R-1516-43)
- 48th Avenue NW (Phase 2), from Rock Creek Road to Tecumseh Road (Resolution R-1516-44)
- 48th Avenue NW (Phase 3), from Tecumseh Road to Franklin Road (Resolution R-1516-45)
- 48th Avenue NW (Phase 4), from Franklin Road to Indian Hills Road (Resolution R-1516-46)
- 12th Avenue East Traffic Signal Interconnect Upgrade, between Alameda Street and Robinson Street (100% Safety) (Resolution R-1516-47)
- Traffic Signal Video Detection Upgrade (Phase 3) (100% Safety) (Resolution R-1516-48)
- Indian Hills Road, from 48th Avenue NW to Interstate 35 (Resolution R-1516-49)
- 12th Avenue NW, from Rock Creek Road to Tecumseh Road (Resolution R-1516-50)
- Robinson Street over Brookhaven Creek Bridge Joint Rehabilitation (R-1516-51)
- 36th Avenue NW and Tecumseh Road Intersection Widening (R-1516-52)

The complete list of projects that will be submitted to ACOG is as follows:

Federal Fiscal Year 2017 (Total Federal Funds Requested - \$8,544,080)

Main Street Bridge over Brookhaven Creek (Bond Project)

The project replaces the existing bridge structure over Brookhaven Creek, reconstructs approximately 1,000 feet of roadway on either side of the bridge and stabilizes 2,000 feet of downstream channel. Estimated Federal Funds - \$3,558,600

12th Avenue SE, from Cedar Lane Road to State Highway 9 (Bond Project)

The project widens 12th Avenue SE, between Cedar Lane Road and State Highway 9, from the current

two-lane roadway to a four-lane roadway with curb and gutter, storm drainage collection system, sidewalks, bike lanes, and capacity improvements at the 12th Avenue SE and State Highway 9 intersection. Estimated Federal Funds - \$2,337,280

Roadway widening and new traffic signal at the intersection of 36th Avenue NW and Havenbrook Drive

The project widens 36th Avenue NW to provide exclusive left turn lanes at the Havenbrook Drive intersection and a new traffic signal. Estimated federal share - \$900,000

New sidewalks along Classen Boulevard, between Shawnee Street and Enid Street (south side) and west of 12th Avenue SE (south side)

The project addresses two sidewalk gaps along Classen Boulevard. The first location is along the south side of the road between Shawnee Street and Enid Street. The second location is a 350-foot long segment of sidewalks along the south side of Classen Boulevard immediately west of 12th Avenue SE. Estimated Federal Funds - \$120,000

Traffic Signal Upgrade (MUTCD Compliance) (100% Safety)

The project provides upgrades at several intersections throughout the City for compliance with the adopted Manual on Uniform Traffic Control Devices. Estimated Federal Funds - \$365,000

Main Street fiber optic traffic signal interconnection upgrade (from 24th Avenue West to University Boulevard) (100% Safety)

The project replaces the existing interconnect copper wire with new fiber optic cable and adds the intersections of Main Street at Hal Muldrow Drive, Mercedes Drive, Berry Road, Flood Avenue and Downtown Shopping Center to the City's Centracs Traffic Signal Management System. Estimated Federal Funds - \$277,200

Traffic Signal Video Detection Upgrade (Phase 2) (100% Safety)

The project provides vehicle video detection systems at various signalized intersections throughout the City. Estimated Federal Funds - \$510,000

New Traffic Signal at the intersection of Robinson Street and 48th Avenue NW (100% Safety)

The project provides a new traffic signal at the intersection of Robinson Street and 48th Avenue NW and interconnection of the new signal to the Robinson Street system that begins at Brookhaven Boulevard. Estimated Federal Funds - \$276,000

Pavement markings along various federal functionally classified roadways throughout the City (Phase 5) (100% Safety)

The project provides center line, lane lines, stop bars, crosswalks, arrows and other markings on various roadways throughout the City. Estimated Federal Funds - \$200,000

Federal Fiscal Year 2018 - (Total Federal Funds Requested - \$9,011,156)

Robinson Street widening and reconstruction, between Brookhaven Creek and Interstate 35

This project widens Robinson Street, west of Interstate 35 and relocates the intersection of North Interstate Drive approximately 200 feet east of its current location. Estimated Federal Funds - \$3,350,256

24th Avenue East (Phase 1), from north of Lindsey Street to south of Alameda Street (Bond Project)

The project widens 24th Avenue East, Lindsey Street and Robinson Street, from the current two-lane roadway to a four-lane roadway with curb and gutter, storm drainage collection system, sidewalks, bike lanes, and a new traffic signal at the Meadowood Boulevard intersection. Estimated Federal Funds - \$3,360,000

Roadway widening and new traffic signal at the intersection of 24th Avenue NW and Tee Drive

The project widens 24th Avenue NW to provide exclusive left turn lanes at the Tee Drive intersection and a new traffic signal. Estimated federal share - \$1,068,000

New sidewalks on Flood Avenue, between Gray Street and Dakota Street (both sides)

The project addresses sidewalk gaps along both sides of Flood Avenue. Estimated Federal Funds - \$200,000

Traffic Signal Upgrades (Emergency Vehicle Detection) (100% Safety)

The project replaces the antiquated infrared detection technology used by emergency vehicles with new Global Positioning System (GPS) technology. Estimated Federal Funds - \$540,000

Traffic Signal Upgrades (Pedestrian Controls) (100% Safety)

The project replaces pedestrian push buttons and signal heads at various traffic signal locations to comply with the requirements of the American with Disabilities Act. Estimated Federal Funds - \$492,900

Federal Fiscal Year 2019 - (Total Federal Funds Requested - \$6,651,720)

24th Avenue East (Phase 2), from north of Alameda Street to Robinson Street (Bond Project)

The project widens 24th Avenue East, between north of Alameda Street and north of Robinson Street, from the current two-lane roadway to a four-lane roadway with curb and gutter, storm drainage collection system, sidewalks and bike lanes. Estimated Federal Funds - \$3,360,000

Rock Creek Road, from Grandview Avenue to west of 36th Avenue NW

The project widens Rock Creek Road, between Grandview Avenue and west of 36th Avenue NW, adds a storm drainage collection system, sidewalks and bicycle lanes. Estimated Federal Funds - \$1,875,600

Roadway widening and new traffic signal at the intersections of Rock Creek Road with 12th Avenue NW and Trailwoods Drive

The project widens the intersections of Rock Creek Road with 12th Avenue NW and Trailwoods Drive to provide exclusive left turn lanes and provides new traffic signals and interconnection. Estimated federal share - \$1,416,120

Federal Fiscal Year 2020 - (Total Federal Funds Requested - \$6,525,000)

36th Avenue NW (Phase 1), from north of Tecumseh Road to Franklin Road (Bond Project)

The project widens 36th Avenue NW, between north of Tecumseh Road and Franklin Road, from the current two / three -lane roadway to a four-lane roadway with curb and gutter, storm drainage collection system, sidewalks and bike lanes. Estimated Federal Funds - \$4,925,000

Tecumseh Road, from 12th Avenue NE to Hollister Drive

The project widens Tecumseh Road, between 12th Avenue NE and Hollister Drive, from the current two lane roadway to a four-lane roadway with curb and gutter, storm drainage collection system, sidewalks and bike lanes. It also changes the profile of the roadway to eliminate non-compliant vertical curves and the related safety issues created by inadequate sight distance. Estimated Federal Funds - \$1,600,000

Again, four of the projects in the Federal Fiscal Years 2017-2020 list have not been programmed by the Oklahoma Department of Transportation. In order for this to happen and for these projects to be considered for funding, City Council needs to adopt the corresponding programming resolutions. In the resolutions, the City agrees to the terms and conditions of a federally funded project by stating its willingness to assume the responsibility for the preparation of engineering plans, the purchase of any additional right-of-way, the relocation of public utilities and funding of the 20% local share of the construction cost.

RECOMMENDATION: Staff recommends approval of Resolutions R-1516-33 through R-1516-52 for various federally funded projects.