



# City of Norman, OK

Municipal Building Council  
Chambers  
201 West Gray Street  
Norman, OK 73069

## Master

**File Number: R-1314-63**

**File ID:** R-1314-63

**Type:** Resolution

**Status:** Consent Item

**Version:** 1

**Reference:** Item No. 27

**In Control:** City Council

**Department:** Public Works  
Department

**Cost:**

**File Created:** 11/12/2013

**File Name:** Traffic Signal Push Button Upgrade

**Final Action:**

**Title:** RESOLUTION NO. R-1314-63: 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 UPGRADES CITYWIDE.

**Notes:** ACTION NEEDED: Motion to adopt or reject Resolution No. R-1314-63.

ACTION TAKEN: \_\_\_\_\_

**Agenda Date:** 11/26/2013

**Agenda Number:** 27

**Attachments:** Text File R-1314-63.pdf, R-1314-63 Traffic Signal  
Pedestrian Push Button Upgrades, Location Map  
Pedestrian Push Buttons.pdf

**Project Manager:** Angelo Lombardo, Transportation Engineer

**Entered by:** michelle.rudder@NormanOK.gov

**Effective Date:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File R-1314-63

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 16, 2013, staff will submit twenty one (21) projects for consideration in the formulation of ACOG's Four-Year Transportation Improvement Program. 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 twelve of the twenty one (21) projects. The nine projects that need programming resolutions in order to be considered in the new plan are:

New traffic signal at the intersection of Rock Creek Road and Sequoyah Trail  
New traffic signal at the intersection of Robinson Street and 48th Avenue NW  
Robinson Street fiber optic traffic signal interconnection upgrade (from Peters Avenue to 12th Avenue SE)  
Roadway widening and new traffic signal at the intersection of 24th Avenue NW and Tee Drive  
Roadway widening and new traffic signal at the intersection of 36th Avenue NW and Havenbrook Drive  
Traffic signal pedestrian push button upgrades at various intersections (100% Safety)  
Traffic signal video detection upgrades (Phase 2) at various intersections (100% Safety)  
New sidewalks along Classen Boulevard, between Shawnee Street and Enid Street (south side) and west of 12th Avenue SE (south side)  
Pavement markings on various federal functionally classified roadways throughout the City (Phase 4) (100% Safety)

The specific projects by federal fiscal year are:

**Federal Fiscal Year 2015 (Total Federal Funds Requested - \$9,711,072)**

**Lindsey Street, from 24th Avenue SW to east of Berry Road (Bond Project)**

This project widens Lindsey Street and provides a four-lane divided triple-canopy urban arterial roadway with curb and gutter, storm drainage collection system, sidewalks, bike lanes, new bridge over Imhoff Creek, streetscape amenities, modified traffic signals at the Lindsey Street intersections with 24th Avenue SW, McGee Drive and Berry Road, and possible new signals at the intersections of Lindsey Street with Murphy Drive and Wylie Road. The estimated construction cost of \$21,450,000 (including storm water drainage improvements) will be funded with federal funds (45%) and City funds (55%). Estimated Federal Funds - \$9,711,072

**Federal Fiscal Year 2016 - (Total Federal Funds Requested - \$9,150,491)**

**Franklin Road Bridge over Little River (Bond Project)**

The project replaces the existing bridge structure over Little River and reconstructs approximately 1,000 feet of roadway on either side of the bridge. Estimated Federal Funds - \$2,617,776

**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 - \$3,116,240

**Pavement Overlays on Lindsey Street (between Berry Road and Jenkins Avenue), Constitution Street (between Jenkins Avenue and Classen Boulevard), Imhoff Road (between Classen Boulevard and 24th Avenue SE) and Alameda Street (between 48th Avenue East and 60th Avenue East)**

The project provides new pavement overlays and striping on four separate roadway segments eligible for federal funding. Estimated Federal Funds - \$2,005,575

**Traffic Signal Interconnect and Upgrades along Boyd Street, between Berry Road and Classen Boulevard (100% Safety)**

The project provides a new fiber optic traffic signal interconnect system for the existing traffic signals along Boyd Street, between Berry Road and Classen Boulevard, and replaces the traffic signal at the University Boulevard intersection. Estimated Federal Funds - \$570,000

**New Traffic Signal at the intersection of Rock Creek Road and Sequoyah Trail (100% Safety)**

The project provides a new traffic signal at the intersection of Rock Creek Road and Sequoyah Trail and interconnection of traffic signals on Rock Creek Road between Porter Avenue and 12th Avenue NE. Estimated Federal Funds - \$250,000

**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

provides interconnection to the Robinson Street system that begins at Brookhaven Boulevard. Estimated Federal Funds - \$250,000

**Robinson Street fiber optic traffic signal interconnection upgrade (from Peters Avenue to 12th Avenue SE) (100% Safety)**

The project replaces the existing interconnect copper wire with new fiber optic cable and adds the intersections of Robinson Street at Porter Avenue, Findlay Avenue and 12th Avenue NE to the City's Centracs Traffic Signal Management System. Estimated Federal Funds - \$340,000

**Federal Fiscal Year 2017 - (Total Federal Funds Requested - \$9,598,886)**

**Alameda Street, from Ridge Lake Boulevard to 48th Avenue NW (Bond Project)**

The project widens Alameda Street, between Ridge Lake Boulevard and 36th Avenue East, from the current two-lane roadway to a four-lane curb and gutter roadway, improves the intersection of Alameda Street and 36th Avenue East with the addition of dedicated turn lanes, and adds paved shoulders on Alameda Street, between 36th Avenue East and 48th Avenue East, along with an overlay of the pavement. Estimated Federal Funds - \$3,641,000

**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 - \$2,933,700

**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 provides a new traffic signal. Estimated federal share - \$1,000,000

**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 provides a new traffic signal. Estimated federal share - \$1,000,000

**New Traffic Signal at the intersection of Alameda Street and Summit Lakes Boulevard (100% Safety)**

The project provides a new traffic signal at the intersection of Alameda Street and Summit Lakes Boulevard and interconnects its operation to other signals along Alameda Street. Estimated Federal Funds - \$250,686

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

The project provides upgrades several intersections throughout the City for compliance with the adopted Manual on Uniform Traffic Control Devices. Estimated Federal Funds - \$280,000

**Emergency Vehicle Traffic Signal Pre-Emption (100% Safety)**

The project upgrades the emergency vehicle detection system at several intersections throughout the City. Estimated Federal Funds - \$493,500

**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 - \$160,000

**Pavement markings along various federal functionally classified roadways throughout the City (Phase 4) (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 - \$9,710,120)**

**24th Avenue East, from Lindsey Street to Robinson 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 - \$7,540,000

**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

**Traffic Signal Upgrade (Pedestrian Push Buttons) (100% Safety)**

The project provides ADA compliant pedestrian push buttons for the visually impaired at various locations throughout the City. Estimated Federal Funds - \$300,000

**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 - \$454,000

Seven of the projects in the Federal Fiscal Year 2015-2018 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.

**STAFF RECOMMENDATION:** Staff recommends approval of this resolution, a federally funded project.