

4205 N. Lincoln Blvd. | OKC, OK 73105

# NETWORK MONITORING

UNIFIED PLANNING WORK PROGRAM

**TASK 2.02 SUBTASK 2**

Report Covered: January 1, 2018 - December 30, 2018



acog

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## INTRODUCTION

Within the OCARTS Transportation Management Area, physical improvements to the transportation network are implemented on a continuous basis by municipal and county governments and the Oklahoma Department of Transportation (ODOT). These improvements are funded by a variety of federal, state, and local sources, with the ultimate goals of increased network capacity to meet travel demand, improved safety, and reduced congestion for the motoring public. By accomplishing these goals, network improvements also make a positive contribution to improved air quality by alleviating recurring congestion in the metropolitan area.

The purpose of the network monitoring report is to document the implementation of completed transportation projects. The network monitoring database provides useful information on the location and timing of completed projects. This information can be used to assist in the preparation of other studies, such as crash analyses, update of the regional functional classification file, and monitoring implementation of the long-range metropolitan transportation plan (MTP).

This report contains network improvements completed between January 1, 2018 and December 31, 2018. The data includes information on locations and timing of capacity improvements and new construction for the arterial street and highway system located within the Central Oklahoma region. A detailed map depicting capacity improvements to the arterial street and highway network in the OCARTS area accompanies this section. In addition, the report includes information on Transportation System Management (TSM) improvements, such as signalization projects, signalization and channelization projects, bridge improvements, and railroad crossing protection projects. Finally, the network monitoring report also documents improvements implemented for other modes of transportation, such as transit, bicycle facilities, and pedestrian facilities.

It is important to note that, while a survey is sent out to every member entity, the only entities that provided project information to ACOG included the Cities of Oklahoma City, Norman, The Village, the Town of Slaughterville, as well as transit agencies COTPA, and CART.

## RESULTS

### Limited Access Facilities with Increased Capacities and Interchanges

There were no improvements to Limited Access Facilities regarding increased capacities in Calendar Year (CY) 2018.

### Limited Access Facilities with New Construction

There was no new construction regarding Limited Access Facilities in CY 2018.

### Arterial Streets and Highways

In CY 2018, 6 sections of arterial streets and highways were widened. The total combined distance of the widenings was 4.12 linear miles, resulting in an increased network capacity of 5.66 lane miles for the OCARTs area. This information is shown in [Table 1](#) and on [Figure 1](#).

### Transportation System Management (TSM) Improvements

Numerous TSM improvements were also implemented in 2018 throughout the OCARTS area by various local governments. The improvements included signalization and channelization projects, ITS projects, bridge improvements, and railroad crossing projects. These improvements will contribute to more efficient traffic flow and increased network safety throughout the OCARTS area. A detailed list of the TSM improvements is included in Tables 1 through 5.

### Intermodal Improvements

#### *Bicycle/Pedestrian Improvements*

[Table 4](#) lists the pedestrian improvements implemented in 2018. Approximately 3.119 miles of trails and walkways were added to the OCARTS area during this year. Some bicycle improvements were reported for 2018, including adding on-street bicycle lanes and adding green painted bicycle lanes at four sites.

#### *Public Transit Improvements*

A complete summary of public transit improvements implemented by COTPA and CART in 2018 can be found in [Attachment 1](#).

Figure 1: Network Monitoring Updates 2018

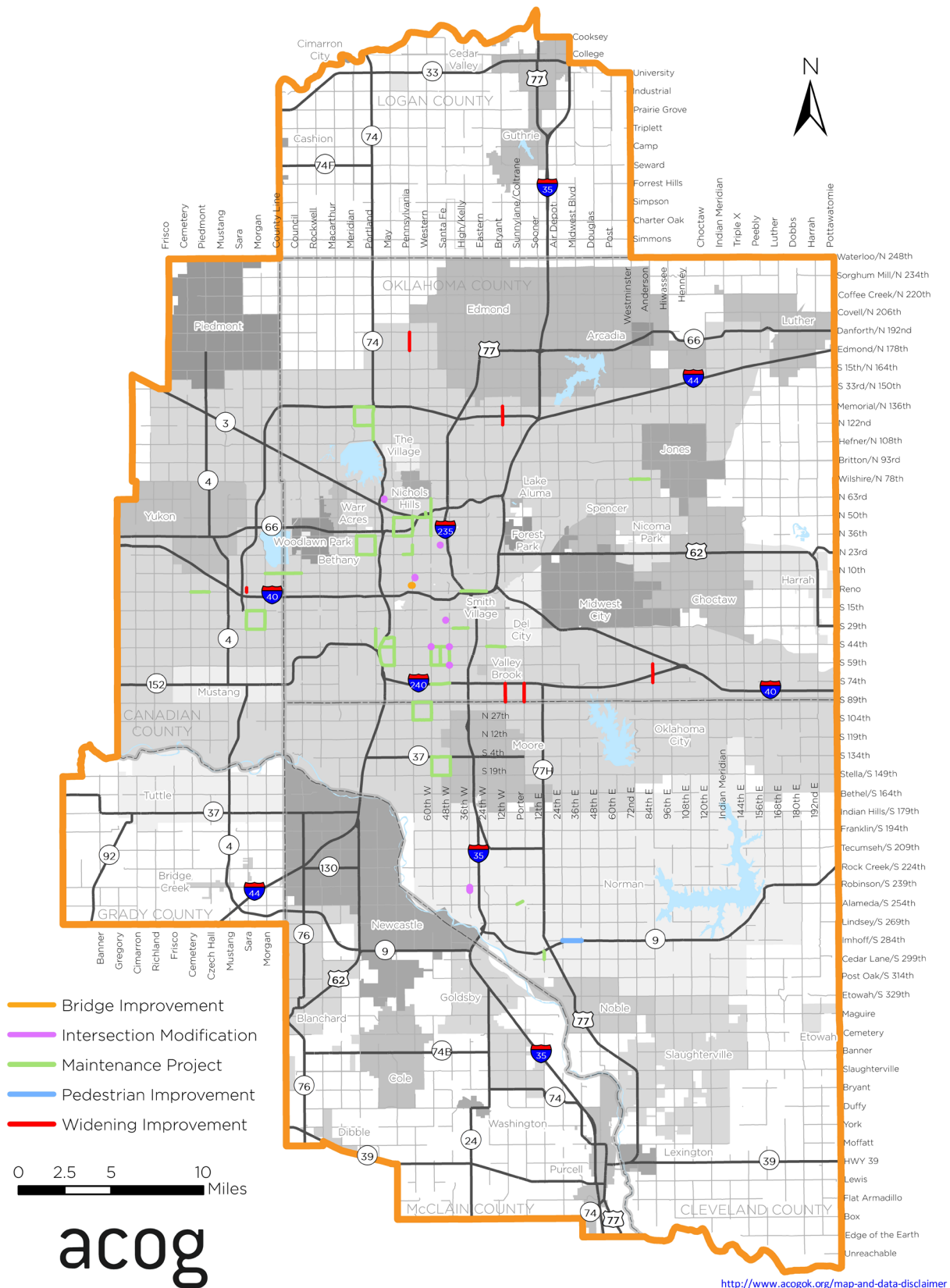




Table 1: Widening Improvements – Major Streets, Highways, Interstates, Turnpikes  
January 1, 2018 – December 31, 2018

City	Job Number	Street	From	To	Lanes Before	Lanes After	Approx. Length (Miles)	Increase in Lane Miles	Cost	Date Complete
OKLAHOMA CITY	PC-0413	S Anderson Rd	SE 59 <sup>th</sup> St	SE 74 <sup>th</sup> St	2	4	1.00	2.00	\$6,224,173	Jan-18
OKLAHOMA CITY	PC-0415/ TC-0437	N Bryant Ave	NE 122 <sup>nd</sup> St	E Memorial Rd	2	4	0.65	1.30	\$4,653,806	Feb-18
OKLAHOMA CITY	PC-0415-I	N Bryant Ave	NE 122 <sup>nd</sup> St	John Kilpatrick Turnpike	2	2	0.40	0.00	\$222,412	May-18
OKLAHOMA CITY	PC-0504	S Sara Rd	W Reno Ave	NW 10 <sup>th</sup> St	2	4	0.23	0.46	\$442,889	Jul-18
OKLAHOMA CITY	PC-0433	S Bryant Ave	I-240	SE 89 <sup>th</sup> St	2	4	0.95	1.90	\$3,579,016	Oct-18
OKLAHOMA CITY	PC-0435/ WC-0921	N Penn Ave	NW 178 <sup>th</sup> St	NW 192 <sup>nd</sup> St	4	4	0.89	0.00	\$2,742,803	Nov-18
Total							4.12	5.66	\$17,865,098	

Table 2: Intersection Modification Projects (Widening and Signals)  
January 1, 2018 – December 31, 2018

City	Job Number	North/South Street	East/West Street	Type of Improvement	Cost	Date Complete
NORMAN	30501(04)	36 <sup>th</sup> Ave NW	Havenbrook St	LT lanes, Intersection improvements, widening, fiber optics	\$1,396,000	Jan-18
OKLAHOMA CITY	TC-0452	S Robinson Ave	SW 23 <sup>rd</sup> St	Traffic Control System Intersection Improvements	\$185,000	Jul-18
OKLAHOMA CITY	TC-0453	N Walker Ave	NW 30 <sup>th</sup> St	Traffic Control System Intersection Improvements	\$185,000	Jul-18
OKLAHOMA CITY	TC-0455	N Virginia Ave	Linwood Blvd	Traffic Control System Intersection Improvements	\$185,000	Jul-18
OKLAHOMA CITY	TC-0441/ WC-0907	N Independence Ave and NW 63 <sup>rd</sup> St	485' E of N Independence Ave	Traffic Control System Intersection Improvements	\$841,699	Aug-18
OKLAHOMA CITY	PR-8-15/ 16-I	S Western Ave and S Santa Fe Ave	SW 44 <sup>th</sup> St and SW 59 <sup>th</sup> St E 1/2	Traffic Control System	\$11,593	Dec-18
Total					\$2,804,292	



Table 3: Bridge Improvements – Replacement and Rehabilitation  
January 1, 2018 – December 31, 2018

City	Job Number	Bridge Location	Intersecting Element	Type of Improvement	Cost	Date Complete
OKLAHOMA CITY	BC-0214	NW 1 <sup>st</sup> Terrace	N May Ave	Bridge Replacement	\$966,769	Mar-18
Total					\$966,769	

Table 4: Pedestrian Improvements  
January 1, 2018 – December 31, 2018

City	Job Number	Location	From	To	Distance (Miles)	Type of Improvement	Cost	Date Complete
NORMAN	30484(04)	Various Intersections	-	-	-	Pedestrian control signal upgrades	\$537,880	Jul-18
NORMAN	26879(04)	Parallel to SH-9 (N side)	24 <sup>th</sup> Ave SE	36 <sup>th</sup> Ave SE	1.061	10' wide concrete sidewalks	\$800,000	Dec-18
OKLAHOMA CITY	PC-0505 WO#1	NW 16 <sup>th</sup> St	N Independence Ave	N Grand Blvd	0.010	ADA Improvements for Bus Stop	\$75,060	Jul-18
OKLAHOMA CITY	PC-0505 WO#2	NW 63 <sup>rd</sup> St	Ann Arbor Terrace	-	0.010	ADA Improvements for Bus Stop	\$2,462	Jul-18
OKLAHOMA CITY	PC-0505 WO#3	W Wilshire Blvd	Lyrewood Ln	-	0.010	ADA Improvements for Bus Stop	\$2,848	Jul-18
OKLAHOMA CITY	PC-0505 WO#4	N Classen Blvd	NW 42 <sup>nd</sup> St	-	0.010	ADA Improvements for Bus Stop	\$5,484	Jul-18
OKLAHOMA CITY	PC-0505 WO#5	N Classen Blvd	NW 30 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$3,210	Jul-18
OKLAHOMA CITY	PC-0505 WO#6	N May Ave	NW 28 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$4,822	Jul-18
OKLAHOMA CITY	PC-0505 WO#7	N Douglas Blvd	NW 23 <sup>rd</sup> St	-	0.010	ADA Improvements for Bus Stop	\$2,989	Jul-18
OKLAHOMA CITY	PC-0505 WO#8	N Classen Blvd	NW 23 <sup>rd</sup> St	-	0.010	ADA Improvements for Bus Stop	\$3,516	Jul-18
OKLAHOMA CITY	PC-0505 WO#13	S Penn Ave	SW 74 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$4,324	Jul-18
OKLAHOMA CITY	PC-0505 WO#14	S Western Ave	SW 70 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$3,833	Jul-18
OKLAHOMA CITY	PC-0505 WO#15	S Western Ave	SW 60 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$9,492	Jul-18

Table 4: Pedestrian Improvements (Cont.)  
January 1, 2018 – December 31, 2018

City	Job Number	Location	From	To	Distance (Miles)	Type of Improvement	Cost	Date Complete
OKLAHOMA CITY	PC-0505 WO#16	N Western Ave	NW 104 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$3,075	Jul-18
OKLAHOMA CITY	PC-0505 WO#17	NW 59 <sup>th</sup> St	N Brookline Ave	-	0.010	ADA Improvements for Bus Stop	\$4,604	Jul-18
OKLAHOMA CITY	PC-0505 WO#18	N May Ave	NW 38 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$4,159	Jul-18
OKLAHOMA CITY	PC-0505 WO#19	N MacArthur Blvd	NW 23 <sup>rd</sup> St	-	0.010	ADA Improvements for Bus Stop	\$12,246	Jul-18
OKLAHOMA CITY	PC-0505 WO#11	General Pershing Blvd	N Villa Ave	-	0.010	ADA Improvements for Bus Stop	\$101,149	Sep-18
OKLAHOMA CITY	PC-0505 WO#12	N Virginia Ave	NW 4 <sup>th</sup> St	Linwood Blvd	0.010	ADA Improvements for Bus Stop	\$33,609	Sep-18
OKLAHOMA CITY	PC-0505 WO#21	NW 10 <sup>th</sup> St	Gardner Ave	-	0.010	ADA Improvements for Bus Stop	\$1,595	Sep-18
OKLAHOMA CITY	PC-0505 WO#22	NW 10 <sup>th</sup> St	N Purdue Ave	-	0.010	ADA Improvements for Bus Stop	\$1,667	Sep-18
OKLAHOMA CITY	PC-0505 WO#23	W Reno Ave	S Meridian Ave	-	0.010	ADA Improvements for Bus Stop	\$18,396	Sep-18
OKLAHOMA CITY	PC-0505 WO#26	S Sunnyslane Rd	SE 46 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$12,397	Sep-18
OKLAHOMA CITY	PC-0505 WO#27	SE 44 <sup>th</sup> St	S High Ave	-	0.010	ADA Improvements for Bus Stop	\$5,244	Sep-18
OKLAHOMA CITY	PC-0505 WO#28	SW 29 <sup>th</sup> St	S May Ave	-	0.010	ADA Improvements for Bus Stop	\$4,857	Sep-18
OKLAHOMA CITY	PC-0505 WO#29	SE 15 <sup>th</sup> St	S High Ave	-	0.010	ADA Improvements for Bus Stop	\$11,175	Sep-18
OKLAHOMA CITY	PC-0505 WO#30	S High Ave	SE 29 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$14,645	Sep-18
OKLAHOMA CITY	PC-0505 WO#31	NW 10 <sup>th</sup> St	N May Ave	-	0.010	ADA Improvements for Bus Stop	\$7,884	Sep-18
OKLAHOMA CITY	PC-0505 WO#33	NW 10 <sup>th</sup> St	N Western Ave	-	0.010	ADA Improvements for Bus Stop	\$2,051	Sep-18
OKLAHOMA CITY	PC-0505 WO#35	Exchange Ave	S Youngs Blvd	-	0.010	ADA Improvements for Bus Stop	\$14,652	Sep-18
OKLAHOMA CITY	PC-0505 WO#37	NW 23 <sup>rd</sup> St	N Robinson Ave	-	0.010	ADA Improvements for Bus Stop	\$11,834	Sep-18
OKLAHOMA CITY	PC-0505 WO#38	Westwood Blvd	S Rotary Dr	-	0.010	ADA Improvements for Bus Stop	\$3,729	Sep-18

Table 4: Pedestrian Improvements (Cont.)  
January 1, 2018 – December 31, 2018

City	Job Number	Location	From	To	Distance (Miles)	Type of Improvement	Cost	Date Complete
OKLAHOMA CITY	PC-0505 WO#40	N Western Ave	NW 90 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$6,040	Sep-18
OKLAHOMA CITY	PC-0505 WO#42	N Western Ave	NW 91 <sup>st</sup> St	-	0.010	ADA Improvements for Bus Stop	\$2,765	Sep-18
OKLAHOMA CITY	PC-0505 WO#43	NW 10 <sup>th</sup> St	N Indiana Ave	-	0.010	ADA Improvements for Bus Stop	\$6,421	Sep-18
OKLAHOMA CITY	PC-0505 WO#45	SE 44 <sup>th</sup> St	I-35	-	0.010	ADA Improvements for Bus Stop	\$3,179	Sep-18
OKLAHOMA CITY	PC-0505 WO#48	S Western Ave	SW 44 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$41,090	Sep-18
OKLAHOMA CITY	PC-0505 WO#49	SW 44 <sup>th</sup> St	S Bryant Ave	-	0.010	ADA Improvements for Bus Stop	\$30,379	Sep-18
OKLAHOMA CITY	PC-0505 WO#20	N Rockwell Ave	NW 16 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$37,321	Nov-18
OKLAHOMA CITY	PC-0505 WO#34	W Main St	N Brauer Ave	-	0.010	ADA Improvements for Bus Stop	\$1,418	Nov-18
OKLAHOMA CITY	PC-0505 WO#36	W Main St	N Shartel Ave	-	0.010	ADA Improvements for Bus Stop	\$2,989	Nov-18
OKLAHOMA CITY	PC-0505 WO#41	N Kelley Ave	NW 20 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$4,310	Nov-18
OKLAHOMA CITY	PC-0505 WO#46	N Martin Luther King Ave	Remington Pl (NE Corner)	-	0.010	ADA Improvements for Bus Stop	\$3,668	Nov-18
OKLAHOMA CITY	PC-0505 WO#47	N Martin Luther King Ave	Remington Dr (SW Corner)	-	0.010	ADA Improvements for Bus Stop	\$2,722	Nov-18
OKLAHOMA CITY	PC-0505 WO#50	N Lincoln Blvd	NE 33 <sup>rd</sup> St	-	0.010	ADA Improvements for Bus Stop	\$4,061	Nov-18
OKLAHOMA CITY	PC-0505 WO#51	N Lincoln Blvd	NE 35 <sup>th</sup> St	-	0.010	ADA Improvements for Bus Stop	\$23,830	Nov-18
OKLAHOMA CITY	PC-0459	N Western Ave	NW 18 <sup>th</sup> St	NW 23 <sup>rd</sup> St	0.360	Streetscape Improvements	\$1,153,272	Dec-18
Total					1.861		\$3,048,353	

Table 5: Maintenance Projects – Major Streets, Highways, Interstates, Turnpikes  
January 1, 2018 – December 31, 2018

City	Job Number	Street	From	To	Type of Improvement	Approx. Length (Miles)	Number of Lanes	Cost	Date Complete
NORMAN	29289(04)	12 <sup>th</sup> Ave SE	E Cedar Lane Rd	SH-9	Reconstruction	0.38	4	\$3,000,000	Oct-18
NORMAN	28810(04) & 22139(04) (TIED)	W Main St	Park Dr	S James Garner Ave	Rehabilitation Streetscape	0.37	3-one-way street	\$4,614,000	Sep-18
NORMAN	33127(04)	Various streets city wide	-	-	Striping	-	-	\$419,000	Nov-18
OKLAHOMA CITY	PR-12-14/15	S Western Ave and S Santa Fe Ave	SW 134 <sup>th</sup> St	SW 149 <sup>th</sup> St	Resurfacing	13.76	-	\$2,268,644	Jan-18
OKLAHOMA CITY	PR-9-13/14	S Pennsylvania Ave and S Western Ave	SW 89 <sup>th</sup> St (NW and NE Quadrants)	SW 104 <sup>th</sup> St (NW and NE Quadrants)	Resurfacing	7.63	-	\$4,249,764	Jan-18
OKLAHOMA CITY	PC-0349	N Western Ave	NW 36 <sup>th</sup> St	NW 63 <sup>rd</sup> St	Reconstruction	2.00	-	\$5,498,225	Mar-18
OKLAHOMA CITY	PC-0432-I	W Reno Ave	S Cemetery Rd	S Czech Hall Rd	Resurfacing	1.00	2	\$3,864,494	Jun-18
OKLAHOMA CITY	PR-1-17/18-I	N Penn Ave and N Western Ave	NW 53 <sup>rd</sup> St	NW 50 <sup>th</sup> St	Resurfacing	1.26	Varies (2-4)	\$2,996,952	Jun-18
OKLAHOMA CITY	PC-0484	NW 10 <sup>th</sup> St	N Council Rd	N Morgan Rd	Reconstruction	1.90	4	\$2,000,000	Jul-18
OKLAHOMA CITY	PR-9-15/16	S Pennsylvania Ave and S Western Ave	SW 89 <sup>th</sup> St	SW 104 <sup>th</sup> St	Resurfacing	3.72	-	\$820,415	Jul-18
OKLAHOMA CITY	PC-0522	SW 44 <sup>th</sup> St	I-44	S May Ave	Resurfacing	0.85	4	\$659,433	Jul-18
OKLAHOMA CITY	PC-0498	E Reno Ave	N Lincoln Blvd	N Martin Luther King Blvd	Resurfacing	1.38	4	\$834,184	Sep-18
OKLAHOMA CITY	PR-13-16/17-I	S May Ave and I-44	SW 36 <sup>th</sup> St	SW 59 <sup>th</sup> St	Resurfacing	4.33	2	\$855,762	Sep-18
OKLAHOMA CITY	PR-2-17/18-I	N May and Penn Ave	NW 50 <sup>th</sup> St	NW 36 <sup>th</sup> St (NE Quadrant)	Resurfacing	5.65	2	\$714,844	Sep-18
OKLAHOMA CITY	PR-15-14/15 & PR-16-14/15	N Meridian Ave and N Portland Ave	W Memorial Rd	NW 122 <sup>nd</sup> (E ½ and W ½)	Resurfacing	11.46	2	\$3,814,134	Oct-18
OKLAHOMA CITY	PR-3-17/18	S Sara Rd and S Morgan Rd	SW 15 <sup>th</sup> St	SW 29 <sup>th</sup> St	Resurfacing	6.42	2	\$1,198,660	Oct-18

Table 5: Maintenance Projects – Major Streets, Highways, Interstates, Turnpikes (Cont.)  
January 1, 2018 – December 31, 2018

City	Job Number	Street	From	To	Type of Improvement	Approx. Length (Miles)	Number of Lanes	Cost	Date Complete
OKLAHOMA CITY	PR-8-15/16	S Western Ave and S Santa Fe Ave	SW 44 <sup>th</sup> St	SW 59 <sup>th</sup> St (E ½)	Resurfacing	5.59	2	\$2,480,427	Nov-18
OKLAHOMA CITY	PC-0521	S Walker Ave	SW 44 <sup>th</sup> St	SW 59 <sup>th</sup> St	Resurfacing	1.00	4	-	Nov-18
OKLAHOMA CITY	PR-15-16/17	N Meridian Ave	NW 122 <sup>nd</sup> St	W Memorial Rd	Resurfacing	1.00	4	\$591,203	Nov-18
OKLAHOMA CITY	PR-5-16/17	I-240 Service Rd (Westbound), I-240 Service Rd, SE 29 <sup>th</sup> St, SE 29 <sup>th</sup> St, and SE 44 <sup>th</sup> St	S Western Ave (Westbound), S Western Ave, S Shields Blvd, High Intersection, and S Eastern	S Santa Fe Ave (Westbound), S Santa Fe Ave, and S Bryant	Resurfacing	4.25	4	\$2,182,273	Nov-18
OKLAHOMA CITY	PC-0531	S Portland Ave	SW 29 <sup>th</sup> St	SW 44 <sup>th</sup> St	Resurfacing	1.20	4	\$735,411	Nov-18
OKLAHOMA CITY	PR-4-16/17 WO#1	N Penn Ave, N Portland Ave, and NW 23 <sup>rd</sup> St	NW 23 <sup>rd</sup> , N Hefner Rd, and NW 122 <sup>nd</sup> St	NW 30 <sup>th</sup> St, NW 122 <sup>nd</sup> St, and N Penn Ave	Streets Thin Overlay	1.89	4	\$591,203	Dec-18
OKLAHOMA CITY	PR-13-17/18-I	N Meridian and N Portland Ave	NW 36 <sup>th</sup> St	NW 23 <sup>rd</sup> St	Resurfacing	0.64	-	\$74,243	Dec-18
OKLAHOMA CITY	PC-0589	E Wilshire Blvd	Spencer/Jones Rd	City Limits	Arterial Street Resurfacing	1.00	2	\$578,233	Dec-18
OKLAHOMA CITY	PC-0544	NW 50 <sup>th</sup> St	N May Ave	N Penn Ave	Arterial Street Resurfacing	1.00	2	\$414,869	Dec-18
Total						79.68		\$45,456,372	

## ATTACHMENT 1: 2018 TRANSIT SYSTEMS CHANGES

The following information offers a comprehensive list of improvements made to the public transit system in the Central Oklahoma area in 2018.

### COTPA

#### Route/Schedule Improvements

New route 050/Circ in July.

Added route 022 to the night routes in July.

#### Other Improvements

Started streetcar operations in December.

Started mobile ticket service in partnership with TokenTransit.

#### New Transit Vehicles

Purchased 3 new CNG paratransit vans.

### CART

#### New Transit Vehicles

Obtained 2 new trolley buses. \$841,028.00.