



Together, Investing in Municipal Excellence

TRANSPORTATION PROJECT ADVISORY COMMITTEE MEETING AGENDA
JANUARY 23, 2025

723 S Lewis Street
Room 1112B
Stillwater, OK 74074
4:00 PM

1. Call Meeting to Order

2. General Orders

The Transportation Project Advisory Committee will hear a staff presentation, discuss, and take action including a vote or series of votes on each item listed as presented or as amended or revised by the Transportation Project Advisory Committee unless the agenda entry specifically states that no action will be taken. The requested action is indicated in each agenda entry but may be amended or revised prior to action by the Transportation Project Advisory Committee.

a. Approval of December 19, 2024, regular meeting summary.

b. Transportation Sales Tax Fund financial report
(No action will be taken on this item)

Christy Cluck, Jared
Thulin

c. Discussion and possible action to make recommendations to the City Council regarding the proposed sequence or timing of commencement, continuance, and/or completion of transportation projects for which revenues from the 2022 Transportation Sales Tax are to be used, including 25TR06 Full Depth Repair construction contract award and discussion and possible action to make a recommendation to City Council for improvements to the traffic signal system:

Candy Staring, Bill
Millis, Mark White

- Paradigm quote for connectivity at 67 intersections;
- Centracs mobility for 67 intersections;
- Replacement of traffic control at Boomer, Eskridge, and Duck;
- Replacement of back-up system batteries at intersections.

- d. Discussion, consideration, and possible action regarding sidewalks, including sidewalk maintenance and improvements currently included and budgeted for in the TR25 plan and other sidewalk projects that may be funded from the Transportation Sales Tax Fund. Candy Staring, Bill Millis
- e. Discussion, consideration, and possible direction to staff on proposed projects to be funded from the revenues generated by the 2022 Transportation Sales Tax. Candy Staring, Bill Millis

3. Public Comment on Items not Scheduled for Public Hearings

Stillwater City Code, Section 2-53(a) & (b), provides that taxpayers or residents of the city, or their authorized legal representatives, may address the Council at a regularly scheduled meeting on **any item of business listed on the meeting agenda** provided they have submitted a written request prior to the meeting either online at Request to speak form or via the form found in the lobby outside Council chambers.

4. Reports from Committee Members or Staff

a.	Next regular meeting is February 27, 2025.
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5. Adjourn

On _____ at _____, a true and correct copy of this agenda was posted on the kiosk outside City Hall, 723 S. Lewis Street, Stillwater, OK.

The City of Stillwater encourages participation from all citizens. If participation at any public meeting is not possible due to a disability, please notify the City Manager's office at least 48 hours prior to the meeting by calling 405.742.8243.

- Meetings are televised on AT&T U-verse channel 99 and Suddenlink channel 14.
- Find meeting agendas and minutes online at [Agendas and Minutes](#)
- Official minutes are archived in the City Clerk's office.

**TRANSPORTATION PROJECT ADVISORY
COMMITTEE MEETING MINUTES
THURSDAY, DECEMBER 19, 2024**

Members present: Brad Rickelman, Steve Whitworth, Tammy Brown, Gary Clark, and Roger Gose

Others present: City Attorney Kimberly Carnley, Assistant City Attorney Ashlyn Garis, Assistant City Manager Christy Cluck, Accounting Manager Jared Thulin, Director of Engineering Candy Staring, Deputy Director of Engineering Bill Millis, Transportation & Drainage Manager Travis Small, Project Manager Ethan Mattox, City Councilor Tim Hardin, Administrative Manager Cindy Gibson, Administrative Assistant Casi Jackson as Recording Secretary

1. Call Meeting to Order

Chair Brad Rickelman called the meeting to order at 4:00 pm and asked for roll call.

Roll Call:	Whitworth	Rickelman	Clark	Brown	Gose
	Present	Present	Present	Present	Present

Quorum established.

2a. Review and approval of November 21, 2024, regular meeting summary.

Mr. Clark moved to approve schedule; Mr. Whitworth seconded.

Roll Call:	Whitworth	Rickelman	Clark	Brown	Gose
	Yes	Yes	Yes	Yes	Yes

Motion passed 5-0.

2e. Discussion and consideration of adding a standing agenda item for discussion...

- City Attorney Kimberly Carnley requested to discuss agenda item 2e first since she would not be able to stay for entire meeting, and City Manager Brady Moore (not in attendance) had asked that she explain this new agenda item.
- The new agenda item (2e) would be a standing agenda item for discussion and consideration of proposed projects funded by the 2020 transportation sales tax. Kimberly explained the intent behind 2e, emphasizing the need for open discussion and brainstorming, noting that she had received some feedback that there are times when Committee feels like they cannot talk about everything they want to talk about. She explained that the City is trying to find the balance between providing proper notice on the agenda and opportunity for Committee to provide advisory role to Council of things it might identify for possible funding.

- She further suggested that 2e would be a no-action item, allowing for open discussion and potential direction to staff; any items identified could then be added to the next month's agenda as action items to make recommendations to Council.
- Director of Engineering Candy Staring asked for an example of a Council recommendation that could be made a month after initial discussion. Kimberly replied that in a previous meeting, Mr. Gose had asked about using Public Works staff to do sidewalk repairs, and that led to a Council recommendation.
No action is necessary.

2b. Transportation Sales Tax Fund financial report – Jared Thulin

- Accounting Manager Jared Thulin reported that sales tax is at 42% of budget for the year, which is right where it should be.
- Major payments in November included \$601,000 for Airport/Park/Harned improvements and \$234,000 for Block 34.
- A Budget Amendment amounting to \$294,000 for FY 25 Pavement Management Plan was approved on November 18, and that has been removed from the bottom of the report.
- Funds were encumbered from Monticello project to Ellsworth Construction in the amount of \$2,035,930.
- Roger Gose asked what the placeholder for Monticello was, and Transportation and Drainage Manager Travis Small replied that it was a little over \$3,000,000, which included water and sewer.
- Mr. Gose asked for status of closing out Third Avenue Bridge and Husband Street Bridge. Travis replied that Third Avenue Bridge is not completed yet, and he estimates that City will have approximately \$48,000 left after it is completed. Leftover balances there can be returned to 260 fund to be allocated to other projects.
- Travis discussed the need for additional funds for the diamond grinding project, projecting a total cost of \$1,255,189.
No action is necessary.

2c. Discussion and possible action to make recommendations to the City Council regarding...

- Referring to the attached spreadsheet, Travis presented the bid for the diamond grinding project (25TR05) on McElroy, Manning, and Hall of Fame, with the apparent low bidder being Rudy Construction for \$1,887,172.75, which is a base bid only. To include construction, costs, testing, and contingency, Travis recommended requesting \$2,119,900 to allocate for this project.
- Travis recommended taking this to Council in January and recommending award to Rudy Construction.
- Next, Travis presented the bid for the joint and crack sealing project (25TR07) in various locations, with the apparent low bidder being Scodeller Construction for a base bid of \$720,400 with testing and contingency bringing the recommended cost to just under \$800,000, which is what City was projecting.
- Travis recommended an additional \$300,000 from 260 fund and awarding this project at first Council meeting in January.
- Mr. Clark inquired whether the 25TR07 apparent low bidder's bid was in line with engineer's estimate and whether City felt comfortable that the low bid would not affect the quality of construction. Travis reported that the bid was only about \$80,000 higher than engineer's

estimate. Candy added that the contract package contains a qualification statement for City to check references, and contractors put up insurance and bonding.

- Mr. Gose asked whether City staff could do this project, and Candy said she would need to check with Operations Director Mark White.
- Mr. Clark moved to recommend approval of 25TR05 bid to Council; Mr. Gose seconded.

Roll Call:	Whitworth	Rickelman	Clark	Brown	Gose
	Yes	Yes	Yes	Yes	Yes

Motion passed 5-0.

- Mr. Clark moved to recommend approval of 25TR07 bid to Council as recommended, subject to staff checking references of Scodeller Construction; Mrs. Brown seconded.

Roll Call:	Whitworth	Rickelman	Clark	Brown	Gose
	Yes	Yes	Yes	Yes	No

Motion passed 4-1.

- Travis provided the following updates:
 - Airport/Park/Harned (20TR06-B) – Airport is 100% open, and he anticipated that Park would be open before Christmas, and Harned would be complete by the end of January.
 - Monticello (20TR08) – The actual start date will be January 2.
 - Block 34 (23TR03) – It is on schedule to be completed this summer.
 - Full-depth repairs (25TR06) – Will be opening bids next month.
 - Knoblock and 4th (25TR04 and 25WL04) – Design is underway.
 - Deferred maintenance (22TR07) – Design was submitted back to City; Engineering is reviewing and hopes to get it advertised for bid soon.
 - Rails to Trails Phase II (24TR08) – Council approved agreement with ODOT. City will work with ODOT to put a selection committee together to interview engineering firms and select one to provide design; then ODOT will work with City to negotiate a contract.
 - Task Order 1 (25TR01) – Currently under design.
 - Mr. Clark, referring to Planning/Miscellaneous section at bottom of report, inquired about a timeline for identifying and prioritizing sidewalk and trail projects throughout the city. Travis replied that, while he does not have a good timeline, he does have a rudimentary list of locations and costs that he and his team are beginning to put together. He estimated almost \$3,000,000 for the sidewalks project.
 - Mr. Clark requested a report on the sidewalks project be presented at the March meeting.
 - Travis announced his departure from the City, expressing gratitude for the support and collaboration from his colleagues. Candy described the upcoming shifts in the Engineering department.
- No action is necessary.

2d. Discussion, consideration, and possible action regarding sidewalks...

- Travis mentioned that the Deferred Maintenance project (22TR07) includes several sidewalk projects. This led to group discussion about specific sidewalk requests, including those along Washington and McElroy, and the challenges of these projects.
- Travis suggested that these projects might qualify for TAP (Transportation Alternatives Program) grant funding. Rails-to-Trails is a TAP grant, and he does not think the City can get

more than one TAP grant per year. There was brief discussion about the potential for a consultant to manage the grant application and project oversight.
No action is necessary.

3. Public Comment on Items not Scheduled for Public Hearings

No comments at this time.

4. Reports from Committee Members and Staff

- Mr. Gose commented that the Airport Road crossing is awesome, and the Engineering team did a great job. Travis deferred praise to his team, specifically Construction Inspector Kevin Crew and Project Manager Ethan Mattox.

5. Questions and Inquiries

No questions or inquiries at this time.

6. Adjourn

Chairman Rickelman asked if there were any further comments or questions; none responded. Mr. Gose moved to adjourn; Mr. Clark seconded.

Roll Call:	Whitworth	Rickelman	Clark	Brown	Gose
	Yes	Yes	Yes	Yes	Yes

Motion passed 5-0.

- Meeting adjourned at 4:57 pm.

City of Stillwater - Transportation Sales Tax Fund

For the period ending December 31, 2024

	FY24	FY25			
	Actual	Actual	Budget	Encumbrances	Unencumbered Balance
SOURCES OF FUNDS					
Sales Tax	\$ 10,038,770.33	\$ 5,194,125.10	\$ 10,000,000.00	\$ -	\$ 4,805,874.90
Interest	834,680.32	-	-	-	-
Rent	4,000.00	1,200.00	-	-	(1,200.00)
Misc Revenue (house removal)	-	10,350.00	-	-	(10,350.00)
TOTAL SOURCES OF FUNDS	10,877,450.65	5,205,675.10	10,000,000.00	-	4,794,324.90
USES OF FUNDS					
Street Marking Materials	18,034.88	-	-	-	-
Concrete/Sand/Asphalt	-	6,926.25	200,000.00	37,437.83	155,635.92
Aspen Heights Sewer Development	79,960.00	-	-	-	-
3rd Street Bridge	1,051,596.69	-	467,419.00	307,072.72	160,346.28
Husband Street Bridge	598,690.76	-	406,730.00	12,941.32	393,788.68
FY20 Pavement Management	1,715,247.16	1,621,033.68	3,679,381.00	1,340,681.74	717,665.58
Duncan to Duck (CDBG)	118,711.44	-	-	-	-
FY21 Pavement Management	-	-	1,733,376.00	24,988.50	1,708,387.50
Deferred Maintenance Management	-	18,326.25	682,016.00	12,588.19	651,101.56
6th Street Land Acquisition	192,413.52	-	10,102.00	-	10,102.00
Pavement Assessment	17,829.00	-	23,470.00	23,470.00	-
Block 34 Area Improvements	2,465,531.87	1,538,190.12	2,239,133.00	686,028.28	14,914.60
Maple & West Street Replacement	8,548.75	2,453.75	53,050.00	50,595.00	1.25
Transportation Program Manager	173,300.26	45,755.34	132,085.00	86,329.08	0.58
3rd/Hester Paving	25,630.00	-	-	-	-
Monroe/Scott Sidewalk	3,432.00	-	-	-	-
6th/Perkins Stonework	24,634.00	-	-	-	-
4th Ave Improvements	15,795.29	-	-	-	-
Wright Drive ROW	17,686.00	-	-	-	-
12th Ave Health Corridor Study	48,395.00	9,940.00	39,105.00	29,165.00	-
Rails to Trails Grant Ph II	-	-	300,000.00	-	300,000.00
Paint Machine	35,000.00	-	-	-	-
FY25 Pavement Management	-	-	794,420.00	294,420.00	500,000.00
Airport & Perkins Traffic Analysis	-	7,154.21	29,000.00	21,845.79	-
Knoblock, 4th Avenue, and Lincoln	-	33,104.00	664,510.00	631,406.00	-
Monticello	-	-	2,201,930.00	2,201,930.00	-
Perkins: McElroy - Lakeview	-	56,057.82	170,610.00	4,976.00	109,576.18
Airport: Lakeview - Washington	85,782.50	-	1,033,998.00	82,128.40	951,869.60
TOTAL USES OF FUNDS	6,696,219.12	3,338,941.42	14,860,335.00	5,848,003.85	5,673,389.73
RESOURCES OVER (UNDER) USES	\$ 4,181,231.53	\$ 1,866,733.68	\$ (4,860,335.00)	\$ (5,848,003.85)	\$ (879,064.83)
Beginning Cash Balance	20,562,230.89	26,725,912.25			
Change in Interest Receivable	40,298.26	-			
Change in Accounts Receivable	200.00	(600.00)			
Change in Due from General Fund	(18,223.62)	-			
Change in Accounts Payable	1,960,175.19	(2,159,250.25)			
Change in Due to (from) Self Insurance Fund	-	-			
Ending Cash Balance	<u>\$ 26,725,912.25</u>	<u>26,432,795.68</u>			
Plus: Uncollected Sales Tax Revenues		4,805,874.90			
Less: Unspent Budget Appropriations		(11,521,393.58)			
Balance Available to Appropriate		<u>\$ 19,717,277.00</u>			
Future Projects/Funding Needs:					
Diamond Grinding (FY20 & FY21 PM)		1,100,000.00			
Patching/Deferred Maintenance (FY21 PM)		1,400,000.00			
6th Street Land Acquisition		3,500,000.00			
Knoblock/4th Ave. (FY21 PM)		2,000,000.00			
FY25 Pavement Management Plan		9,705,580.00			
TOTAL		<u>\$ 17,705,580.00</u>			

*** INTERIM REPORT IS UNAUDITED AND PROVIDED FOR MANAGEMENT PURPOSES ONLY ***

STATUS OF VARIOUS TRANSPORTATION PROJECTS					
Status	Project #	Location	Description of Work	Estimated Cost	Update
Complete	19TR05	Husband St. & Franklin Ln.	Bridge & roadway improvements	\$2,373,400.00	Construction complete (\$1,273,400 for bridge project and \$1,100,000 for drilled piers project)
	21DS05	12th Ave. & Duncan St.	Drainage improvements	\$435,000.00	Construction complete
	24TR02	Monroe/Scott Sidewalk	Repairs to sidewalk	\$4,750.00	Construction complete
	24TR03	6th Ave. & Perkins Rd.	Repairs to decorative walls at intersection	\$31,750.00	Construction complete
	24TR04	4th Ave. & Lincoln pavement repairs	Repairs to pavement	\$20,000.00	Construction complete
	20TR06-A	7th Ave. from Main to Lewis	Full depth reconstruction	\$1,200,000.00	Construction complete.
In Construction	19TR04	3rd Ave. & Perkins Rd.	Bridge & roadway improvements	\$3,200,000.00	Sent Final Change Order #'s to contractor, awaiting response. Working on final punch list items. To be complete ASAP.
	20TR06-B	Airport Rd. from Railroad Crossing to Perkins Park Dr. from Harned to Airport Harned Ave. from Park to Perkins	Full depth reconstruction	\$3,100,000.00	Airport Road and Park are 100% open to traffic. Project is anticipated to be completed by end of January 2025. Working with Contractor to include additional sidewalk along Airport Road using remaining project contingency.
	25TR08 / 20TR06C	Monticello from University to Admiral	Full depth reconstruction (with utility work)	\$2,300,000.00	NTP issued on 1/16/2025; contracted final completion 12/11/2025.
	23TR03	Block 34 (9th to 8th/Duncan to Husband)	Infrastructure improvements and community facility	\$4,500,000.00	All streets around the project are open to traffic (except Duncan between 9th & 8th). Vertical construction is currently underway for the pavillion while roof construction is on-going for the stage. Work on the water feature and rain gardens is also underway.
Advertise for Bid (Fall 2024)	25TR05 (20TR07/21TR06)	McElroy Rd. from Main to Jardot Manning St. from McElroy to Sunrise HOF Ave. from Washington to Knoblock	Patching, diamond grinding, joint & crack sealing Patching & joint & crack sealing Patching, diamond grinding, joint & crack sealing	\$2,119,900.00	Awarded on 1/13/2025 by Stillwater City Council to Rudy Construction for a total construction cost of \$2,119,900. Anticipated work start for February 2025.
	25TR06 (21TR09)	Full Depth Repairs (40+ locations)	Full depth pavement patching/panel replacement	\$1,900,000.00	On City Council agenda for possible award at 1/27/2025 meeting
	25TR07 (20TR01/21TR05)	Joint & Crack Sealing (various locations)	Pavement joint & crack sealing (various locations)	\$800,000.00	Awarded on 1/13/2025 by Stillwater City Council to Scodeller Construction Inc. for a total construction cost of \$800,000. Anticipated work start for June 2025.
In Design	25TR04 (21TR14) & 25WL04	Knoblock St. from 4th to University 4th Ave. from Hester to Duck 4th Ave. from Orchard to Walnut 4th Ave. from Garfield to Lincoln Lincoln St. from 6th to 4th	Full depth reconstruction w/ waterline Partial or Full depth reconstruction w/ waterline Full depth reconstruction Patching and/or partial/full depth reconstruction Full depth reconstruction	\$6,500,000.00	Currently in design with survey underway.
	23TR06	Maple Avenue & West Street	Full depth reconstruction	\$2,200,000.00	Awaiting 60% plans from consultant.
	22TR07	Deferred Maintenance (13+ locations)	Misc. (i.e. storm sewer, sidewalks, bridges, etc.)	TBD	Plans submitted & currently under review by staff. (Includes sidewalks: University Circle, Miller & Lowry)
	25TR02	400 S. Villa Dr.	Repairs to existing drainage structure and roadway	TBD	Plans submitted and currently under review by staff.
		Drury St., approx. 1800 feet north of 6th Ave. (SH51)	Repairs to existing drainage structure and roadway	\$400,000.00	Survey rec'd, currently in design.
	22TR10	Orchard St. & 5th Ave.	Repairs to existing drainage structure	TBD	Survey rec'd, currently in design.
	25TR02	Knoblock St., approx. 160 feet south of 6th Ave.	Repairs to existing drainage Inlet	\$35,000.00	Final plans received. Intend to package with other projects for bidding to get best "bang for the buck".
	TBD	7th Ave. in Pecan Hill Addition	Repairs to sidewalks	TBD	Working on design. Video of sanitary sewer inconclusive. Potholing to be scheduled.
	24TR06	12th Ave. Health Corridor Study	Traffic study on 12th Ave. between Western & Duck	\$87,500.00	Final report has been submitted and is under review.
	25TR03	Airport & Perkins Traffic Impact Analysis (TIA)	Traffic study at Airport & Perkins	\$29,000.00	The preliminary report delivered 12/11/24 and currently under review.
	25TR01 25TR09/10	Task Order 1 (under FY25 PMP, 25TR09/10)	Mill & Overlay/Full Reconstruction/Surface Treatments	\$2,400,000.00 *	NTP given and currently in design.
	24TR08260	Rails-to-Trails (Phase II)	Trail design from 6th Ave. to McElroy	\$300,000.00	ODOT agreement on 12/16/24 CC for approval. Working on consultant selection. TA Grant, City 20% match.
FY25 Projects	25TR01 (Task Orders 2 & 3)	Sidewalks (various locations)	Sidewalks (various locations)	\$200,000.00	Consultant beginning development of Task Orders 2 & 3 for future City Council action.
		Various Surface Treatments (various locations)	Various Surface Treatments (various locations)	\$1,300,000.00	
		Patching (various locations)	Pavement patching/panel replacement	\$400,000.00	
		Mill & Overlay (various locations)	Mill & Overlay (various locations)	\$300,000.00 *	
		Full Reconstruction (various locations)	Full Reconstruction (various locations)	\$2,400,000.00 *	
Planning/ Miscellaneous	N/A	Citywide	Sidewalk/trail connectivity (& requests from citizens)	N/A	Staff is working to identify and prioritize sidewalk and trail gaps throughout the City.
	N/A	Citywide	Functional Classification Maps	N/A	Comparing 2007 STEP/ODOT/IMS Functional Classification Maps and compiling revisions
	N/A	Citywide	Miscellaneous traffic requests from citizens	N/A	Addressing requests for: striping, signing, signals, speed bumps, etc.

25TR06 Full Depth Repair (FDR) Bids Opened 1/8/2025						Rudy Construction Co.		JMB Concrete Construction Inc.		Engineers-Estimate		Ellsworth Construction OKC, LLC		J Lee Enterprises		
						Total Price	\$425,675.00	Total Price	\$432,350.00	Total Price	\$492,400.00	Total Price	\$541,417.50	Total Price	\$801,325.00	
Line #	Description	Mfgr	Mfgno	QTY	UOM	Estimated	Unit	Extended	Unit	Extended	Unit	Extended	Unit	Extended	Unit	Extended
1	DOWEL JOINTED PC PAVEMENT (PLACEMENT			1575	SY		\$95.00	\$149,625.00	\$75.00	\$118,125.00	\$120.00	\$189,000.00	\$136.50	\$214,987.50	\$143.00	\$225,225.00
2	P.C. CONCRETE FOR PAVEMENT			265	CY		\$350.00	\$92,750.00	\$225.00	\$59,625.00	\$240.00	\$63,600.00	\$235.00	\$62,275.00	\$250.00	\$66,250.00
3	HOT MIX ASPHALT			65	TON		\$350.00	\$22,750.00	\$650.00	\$42,250.00	\$300.00	\$19,500.00	\$450.00	\$29,250.00	\$350.00	\$22,750.00
4	ADDITIONAL DEPTH 6" COMPACTED SUBGRA			1000	SY		\$10.00	\$10,000.00	\$15.00	\$15,000.00	\$20.00	\$20,000.00	\$26.50	\$26,500.00	\$25.00	\$25,000.00
5	AGGREGATE BASE TYPE A (PLANT MIXED)			100	CY		\$150.00	\$15,000.00	\$135.00	\$13,500.00	\$80.00	\$8,000.00	\$160.00	\$16,000.00	\$125.00	\$12,500.00
6	TYPE II GEOGRID			200	SY		\$5.00	\$1,000.00	\$11.00	\$2,200.00	\$10.00	\$2,000.00	\$14.00	\$2,800.00	\$10.00	\$2,000.00
7	COMBINED CURB AND GUTTER (6" BARRIER)			50	LF		\$75.00	\$3,750.00	\$55.00	\$2,750.00	\$50.00	\$2,500.00	\$26.30	\$1,315.00	\$100.00	\$5,000.00
8	COLD MILLING PAVEMENT			1000	SY		\$4.00	\$4,000.00	\$25.00	\$25,000.00	\$10.00	\$10,000.00	\$12.00	\$12,000.00	\$26.00	\$26,000.00
9	4" CONCRETE SIDEWALK			100	SY		\$225.00	\$22,500.00	\$95.00	\$9,500.00	\$90.00	\$9,000.00	\$107.00	\$10,700.00	\$125.00	\$12,500.00
10	TACTILE WARNING DEVICE			40	SF		\$50.00	\$2,000.00	\$65.00	\$2,600.00	\$50.00	\$2,000.00	\$61.00	\$2,440.00	\$100.00	\$4,000.00
11	6" CONCRETE DRIVEWAY			100	SY		\$225.00	\$22,500.00	\$135.00	\$13,500.00	\$100.00	\$10,000.00	\$152.00	\$15,200.00	\$160.00	\$16,000.00
12	CLASS C CONCRETE			20	CY		\$500.00	\$10,000.00	\$225.00	\$4,500.00	\$500.00	\$10,000.00	\$700.00	\$14,000.00	\$475.00	\$9,500.00
13	REINFORCING STEEL			1000	LBS		\$5.00	\$5,000.00	\$4.50	\$4,500.00	\$5.00	\$5,000.00	\$6.40	\$6,400.00	\$6.00	\$6,000.00
14	CONTROLLED LOW STRENGTH MATERIAL			40	CY		\$300.00	\$12,000.00	\$200.00	\$8,000.00	\$200.00	\$8,000.00	\$236.00	\$9,440.00	\$350.00	\$14,000.00
15	HIGH EARLY STRENGTH CONCRETE (HES) SUR			40	CY		\$35.00	\$1,400.00	\$10.00	\$400.00	\$50.00	\$2,000.00	\$16.00	\$640.00	\$20.00	\$800.00
16	ADJUST INLET FRAME AND GRATE TO GRADE			4	EA		\$2,500.00	\$10,000.00	\$550.00	\$2,200.00	\$1,500.00	\$6,000.00	\$2,200.00	\$8,800.00	\$2,000.00	\$8,000.00
17	ADJUST MANHOLE FRAME AND RING TO GRA			4	EA		\$2,000.00	\$8,000.00	\$500.00	\$2,000.00	\$2,000.00	\$8,000.00	\$1,600.00	\$6,400.00	\$2,000.00	\$8,000.00
18	ADJUST VALVE BOX TO GRADE			4	EA		\$400.00	\$1,600.00	\$250.00	\$1,000.00	\$350.00	\$1,400.00	\$1,100.00	\$4,400.00	\$1,500.00	\$6,000.00
19	ADJUST PULL BOX TO GRADE			4	EA		\$400.00	\$1,600.00	\$250.00	\$1,000.00	\$300.00	\$1,200.00	\$1,250.00	\$5,000.00	\$1,500.00	\$6,000.00
20	ADJUST METER BOX TO GRADE			4	EA		\$400.00	\$1,600.00	\$250.00	\$1,000.00	\$300.00	\$1,200.00	\$1,250.00	\$5,000.00	\$1,500.00	\$6,000.00
21	CAST IRON STORM WATER CURB OPENING			4	EA		\$400.00	\$1,600.00	\$3,250.00	\$13,000.00	\$1,500.00	\$6,000.00	\$900.00	\$3,600.00	\$2,500.00	\$10,000.00
22	REMOVE/RESET MAILBOX			4	EA		\$1,500.00	\$6,000.00	\$350.00	\$1,400.00	\$2,000.00	\$8,000.00	\$650.00	\$2,600.00	\$3,500.00	\$14,000.00
23	IRRIGATION SYSTEM REPAIR			4	EA		\$1,500.00	\$6,000.00	\$450.00	\$1,800.00	\$1,500.00	\$6,000.00	\$2,100.00	\$8,400.00	\$3,500.00	\$14,000.00
24	SOLID SLAB SOD			500	SY		\$10.00	\$5,000.00	\$11.00	\$5,500.00	\$20.00	\$10,000.00	\$25.00	\$12,500.00	\$18.00	\$9,000.00
25	24HR RESPONSE			2	WO		\$3,000.00	\$6,000.00	\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00	\$7,525.00	\$15,050.00	\$10,000.00	\$20,000.00
26	CONSTRUCTION TRAFFIC CONTROL - LANE CL			16	EA		\$100.00	\$1,600.00	\$1,500.00	\$24,000.00	\$1,500.00	\$24,000.00	\$750.00	\$12,000.00	\$5,000.00	\$80,000.00
27	CONSTRUCTION TRAFFIC CONTROL - FULL STI			12	EA		\$100.00	\$1,200.00	\$2,000.00	\$24,000.00	\$2,000.00	\$24,000.00	\$1,250.00	\$15,000.00	\$7,200.00	\$86,400.00
28	CONSTRUCTION TRAFFIC CONTROL - INTERSE			12	EA		\$100.00	\$1,200.00	\$2,000.00	\$24,000.00	\$2,500.00	\$30,000.00	\$1,560.00	\$18,720.00	\$7,200.00	\$86,400.00

Traffic Signal System Improvements:

- **Paradigm quote for cellular connectivity at 67 intersections.** Provides a 10-year connectivity plan that notifies our team if the signal goes into flash mode, dark mode, and provides alerts for battery backup status. Operates via GPS, cellular, and radio communication, eliminating the need for traditional line-of-sight systems. It has the capability to replace our Emtrac vehicle prevention for fire trucks, ambulances, and other emergency vehicles.

Cost: \$340,280.00

- **Centracs Mobility for 67 intersections.** This software provides real-time traffic optimization and data collection. This allows traffic corridors to be adjusted based on traffic flow and congestion. Allows for remote monitoring of traffic signals for status, alerts, and alarms for quick issue identification. Requires a Cobalt EOS controller with video or radar detection, no loops. Based on these restrictions, we don't recommend considering Mobility software at this time.
- **Replacement of traffic control at Boomer, Eskridge, and Duck.** This is an aging intersection that is not upgradable. One of the pull boxes is in the street and wiring can not be pulled through the existing conduit. A wiring issue at this intersection would lead to considerable down time. We have reached out to Traffic Lighting Systems (TLS) and Traffic Signal, Inc. to provide pricing for a rewire, conduit, cabinet, cameras, signal heads, and junction/pull boxes.

Estimated Cost: \$100,000

- **Replacement and addition of battery back-up systems.** We currently have back-up systems at 55 intersections. Due to battery failures, hardware failures, and the addition of new equipment we need to upgrade some intersections. This will provide up to 8 hours of full color operation and 2 hours of flashing mode at a standard intersection during power outages.

Cost: \$204,546.00