APPENDIX C

Cost Estimate for Project



Rural Opportunity to Advance Development (ROAD) Project Cost Estimate Documentation

City of Wagoner BUILD 2019

Includes:

- Water and sewer
 - Source: Infrastructure Solutions Group LLC. Figures used for final costs estimates do not completely align with cost estimates from Infrastructure Solutions. Due to City of Wagoner providing labor costs for local match, labor costs were removed from the final cost for this line item. Additionally, design and the contingency were also moved to the to be moved to a line item for the entire project.
- Hardscape, amenities, bridges, and railroad crossing
 - o Source: Robert Shears, PE (Licensed Professional Engineer)
- Stormwater (PDF and excel)
 - Source: This is provided by Bill Smith, PE. This was provided with the project total as well as the material costs. Due to City of Wagoner providing labor costs for local match, labor costs were removed from the final the two figures. Again, design and the contingency were also moved to the to be moved to a line item for the entire project.

Notes:

Electric relocation figure was based on an industry standard of \$1m per mile

CITY OF WAGONER BUILD GRANT APPLICATION ESTIMATE OF PROBABLE COST

US 69 TO EAST RAILROAD IMPROVEMENTS				
ITEM	UNIT	QUAN.	UNIT\$	EXTENDED
HARDSCAPE (SIDEWALKS, DRIVEWAYS, CURB RAMPS, RETAINING WALLS, ETC.)	LF	8500	\$85	\$722,500
STORM DRAINAGE IMPROVEMENTS	LSUM	1	\$2,457,160	\$2,457,160
PEDESTRIAN BRIDGE (CREEK CROSSING, LINCOLN STREET)	EA	2	\$900,000	\$1,800,000
LANDSCAPING AND BEAUTIFICATION	LSUM	1	\$215,000	\$215,000
STREET TREES	EA	114	\$900	\$102,600
ORNAMENTAL TREES	EA	193	\$500	\$96,500
IRRIGATION	LSUM	1	\$200,000	\$200,000
GATEWAY MONUMENT (SH51 AND US69 INTERSECTION)	LSUM	1	\$225,000	\$225,000
ROADWAY AND PEDESTRIAN LIGHTING	EA	70	\$12,000	\$840,000
STREETSCAPE AMENITIES (BENCHES, LITTER RECEPTICLES, AND BIKE RACKS)	LSUM	1	\$61,200	\$61,200
RAILROAD CROSSING	EA	4	\$20,000	\$80,000
DEMOLITION	LSUM	1	\$175,000	\$175,000
SIGNAGE	LSUM	1	\$25,000	\$25,000
PAVING AND MILLING	LSUM	1	\$500,000	\$500,000
INTERSECTION MODIFICATION (SH51 AND US69)	LSUM	1	\$545,000	\$545,000
			SUBTOTAL	\$8,044,960

ITEM A Sub-total \$8,044,960

UTI	LITY IMPE	ROVEMEN	TS		\$8,044,96
ITEM	UNIT	QUAN.	UNIT\$	EXTENDED	
WATER/SEWER RELOCATION	LSUM	1	\$438,225	\$438,225	
ELECTRIC RELOCATION	LSUM	1	\$1,000,000	\$1,000,000	
FIBER INSTALLATION	LSUM	1	\$70,000	\$70,000	ITEM B Sub-
			SUBTOTAL	\$1,508,225	

ITEM B Sub-total

SOUTH TRAIL	IMPROVE	MENTS		
ITEM	UNIT	QUAN.	UNIT\$	EXTENDED
HARDSCAPE (TRAIL, RETAINING WALLS, ETC.)	LF	2500	\$85	\$212,500
STREET TREES	EA	33	\$900	\$29,700
ORNAMENTAL TREES	EA	57	\$500	\$28,500
ROADWAY AND PEDESTRIAN LIGHTING	EA	20	\$12,000	\$240,000
US69 CULVERT/ACCESS IMPROVEMENTS	LSUM	1	\$165,000	\$165,000
GRADING	LSUM	1	\$17,000	\$17,000
			SUBTOTAL	\$692,700

ITEM C Sub-total \$692,700

BUILD GRANT ESTIMATE OF PROBAB	LE COST TO	OTAL		
ITEM	UNIT	QUAN.	UNIT\$	EXTENDED
HARDSCAPE (SIDEWALKS, DRIVEWAYS, CURB RAMPS, RETAINING WALLS, ETC.)	LF	11,000	\$85	\$935,000
STORM DRAINAGE IMPROVEMENTS	LSUM	1	\$2,457,160	\$2,457,160
PEDESTRIAN BRIDGE (CREEK CROSSING, LINCOLN STREET)	EA	2	\$900,000	\$1,800,000
LANDSCAPING AND BEAUTIFICATION	LSUM	1	\$215,000	\$215,000
STREET TREES	EA	147	\$900	\$132,300
ORNAMENTAL TREES	EA	250	\$500	\$125,000
IRRIGATION	LSUM	1	\$200,000	\$200,000
GATEWAY MONUMENT (SH51 AND US69 INTERSECTION)	LSUM	1	\$225,000	\$225,000
WATER/SEWER RELOCATION	LSUM	1	\$438,225	\$438,225
ELECTRIC RELOCATION	LSUM	1	\$1,000,000	\$1,000,000
ROADWAY AND PEDESTRIAN LIGHTING	EA	90	\$12,000	\$1,080,000
STREETSCAPE AMENITIES (BENCHES, LITTER RECEPTICLES, AND BIKE RACKS)	LSUM	1	\$61,200	\$61,200
RAILROAD CROSSING	EA	4	\$20,000	\$80,000
DEMOLITION	LSUM	1	\$175,000	\$175,000
SIGNAGE	LSUM	1	\$25,000	\$25,000
FIBER INSTALLATION	LSUM	1	\$70,000	\$70,000
PAVING AND MILLING	LSUM	1	\$500,000	\$500,000
INTERSECTION MODIFICATION (SH51 AND US69)	LSUM	1	\$545,000	\$545,000
US69 CULVERT/ACCESS IMPROVEMENTS	LSUM	1	\$165,000	\$165,000
GRADING	LSUM	1	\$17,000	\$17,000
			SUBTOTAL	\$10,245,885.00
		20% (CONTINGENCY	\$2,049,177.00
		CONSTRU	JCTION TOTAL	\$12,295,062.00
		TOPOGRA	APHIC SURVEY	\$30,000
		DE	SIGN FEE (8%)	\$983,604.96
	CONTRAC	TADMINIS	TRATION (5%)	\$614,753.10
			TOTAL	\$13,923,420.06

ITEM D Sub-total \$10,245,885 is the sum of previous subtotals for ITEMs A, B, and C

Non-Federal Match	
STORM DRAINAGE IMPROVEMENTS (CITY)	\$1,407,695
WATER/SEWER RELOCATION (CITY)	\$154,000
ELECTRIC RELOCATION (CITY)	\$1,000,000
INTERSECTION MODIFICATION (ODOT)	\$545,000
PAVING AND MILLING (ODOT)	\$500,000
SUBTOTAL	\$3,606,695



W. CHEROKEE WATER /SEWER REPLACEMENT 2019 BUILD GRANT - WAGONER, OK.

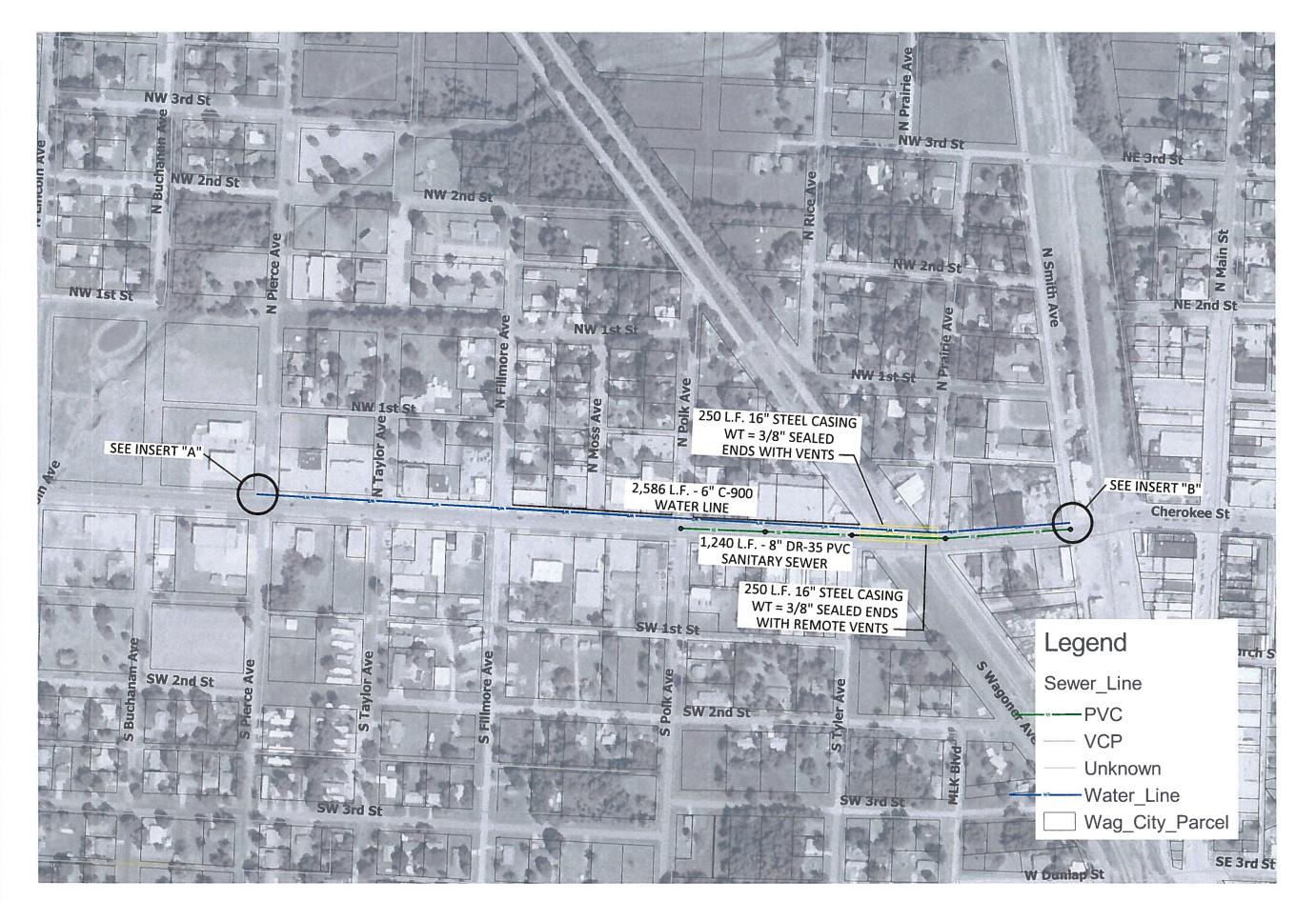
Date: JUNE 2019

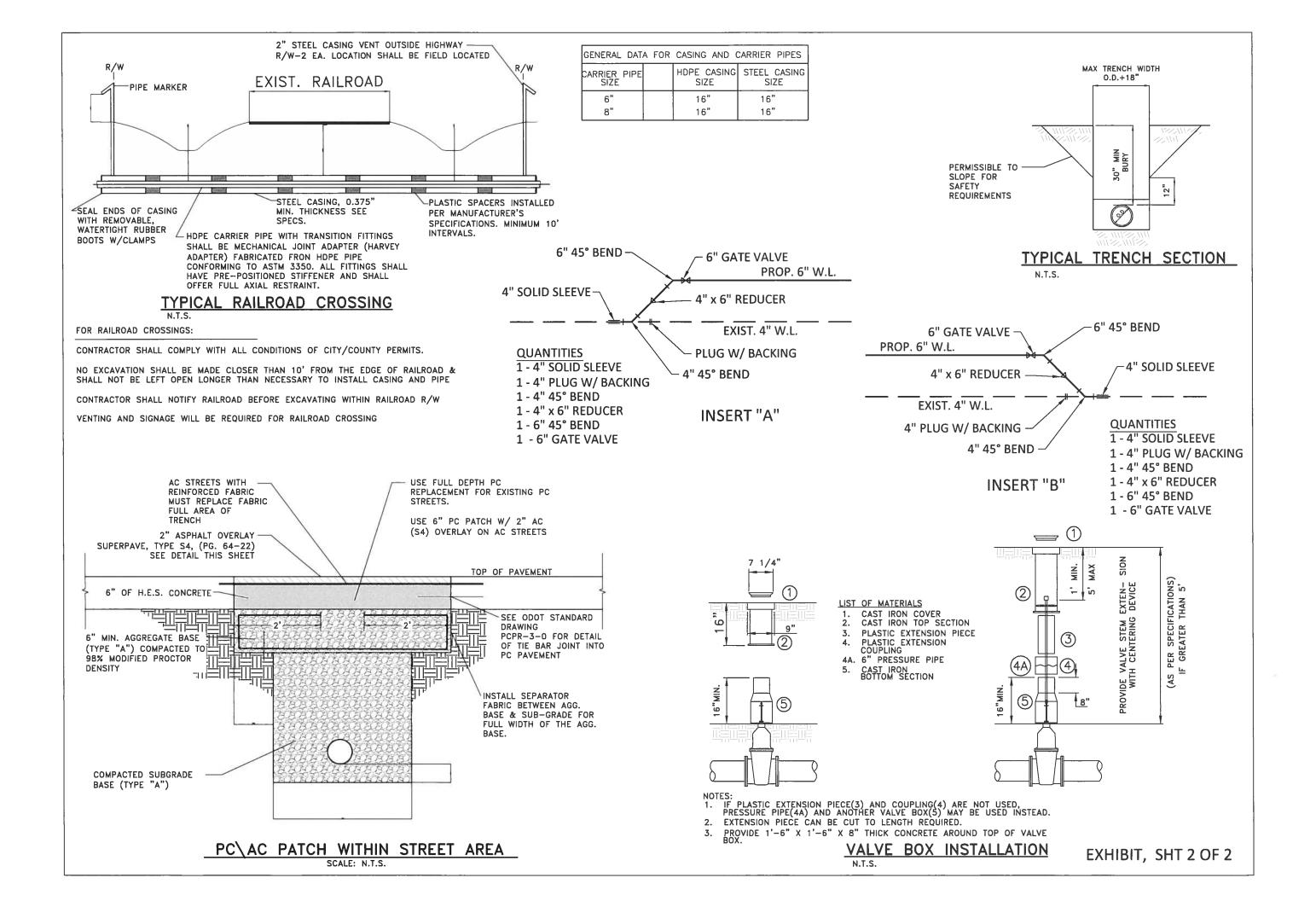
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Project #WAG 19-04

	Consum g engineers	Page 1 o)T 1		Project #WAG 19-04		
	Project Title -Grading,	drainage, utility	, and Acc	ess.			
Item	Description - WATER LINE REPLACEMENT	Unit	Qty		Unit Price		Total Price
1	6" c-900 PVC LINE W/ GASKETS AND INSTALL KITS	LF	2,586	\$	15.50	\$	40,083.00
2	6" GATE VALVES W/ KITS, RJ,	EA	10	\$	375.00		3,750.00
3	4" SOLID SLEEVES, RJ	EA	10	\$	225.00		2,250.00
4	4" X 6" REDUCERS, RJ	EA	8	\$	200.00		1,600.00
5	6" 45 BENDS, RJ	EA	16	\$	200.00		3,200.00
6	4" PLUG	EA	10	\$	200.00		2,000.00
7	Street Crossings, Full Depth Bedding, materials only	CY	1,535	\$	10.00		15,350.00
						\$	68,233.00
Item	Description - SANITARY SEWER REPLACEMENT	Unit	Qty		Unit Price		Total Price
1	8 inch PVC DR 35 Sewer, materials only	FT	1,286	\$	22.00	\$	28,292.00
2	4' Dia. MH, Ring/Cover, materials only	EA	2	\$	1,800.00		3,600.00
3	R&R Pavement, materials only	SY	580	\$	30.00		17,400.00
4	Connection to Exist. MH w. A-Lock Gaskets	LS	2	\$	500.00		1,000.00
5	Full Depth Agg. Bedding, materials only	CY	1,334	\$	10.00	\$	13,340.00
6	Filter Seperator Fabric, materials only	SY	580	\$	3.00		1,740.00
7	Pressure and Mandrel Testing	EA	1	\$	5,000.00	\$	5,000.00
						\$	70,372.00
Item	Description - BORING AND CASING (CONTRACT)	Unit	Qty		Unit Price		Total Price
1	16" Steel Casing, in place for Sewer	FT	250	\$	160.00	\$	40,000.00
2	16" Steel Casing, in place for Water	FT	250	\$	160.00		40,000.00
3	Remote Vents for Sewer Casing	EA	2	\$	2,500.00	-	5,000.00
4	Vents for Water Casing	EA	2	\$	1,500.00	\$	3,000.00
5	Plug and Fill Sand Both Casings	CY	30	\$	10.00	\$	300.00
						\$	88,300.00
	TO A STATE OF THE PARTY TO A STATE OF THE PARTY OF THE PA	Unit	Qty		Unit Price		Total Price
Item	Description - HIGHWAY KAFFIC CONTROL	Unit	4.7				
	Description - HIGHWAY TRAFFIC CONTROL ADVANCE SIGNAGE	SY	586	\$	15.00	\$	8,790.00
1	ADVANCE SIGNAGE			\$	15.00 2.50	\$	280.00
1 2	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112	SY	586		2.50 5.00	\$ \$	280.00 2,500.00
1 2 3	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE	SY EA	586 112	\$	2.50	\$ \$	280.00 2,500.00 2,000.00
1 2	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS	SY EA SD EA LF	586 112 500	\$ \$ \$	2.50 5.00 100.00 4.00	\$ \$ \$	280.00 2,500.00 2,000.00 12,000.00
1 2 3 4	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE	SY EA SD EA LF SD	586 112 500 20	\$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50	\$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00
1 2 3 4 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS	SY EA SD EA LF	586 112 500 20 3,000	\$ \$ \$	2.50 5.00 100.00 4.00	\$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00
1 2 3 4 5 6	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS	SY EA SD EA LF SD	586 112 500 20 3,000 500	\$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50	\$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS	SY EA SD EA LF SD	586 112 500 20 3,000 500	\$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00	\$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES)	SY EA SD EA LF SD MD	586 112 500 20 3,000 500 20	\$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00	\$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days)	SY EA SD EA LF SD MD	586 112 500 20 3,000 500 20 Qty	\$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00	\$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES)	SY EA SD EA LF SD MD Unit MD *	586 112 500 20 3,000 500 20 Qty 128	\$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00	\$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days)	SY EA SD EA LF SD MD Unit MD *	586 112 500 20 3,000 500 20 Qty 128	\$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00	\$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip.	SY EA SD EA LF SD MD Unit MD *	586 112 500 20 3,000 500 20 Qty 128	\$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10%	SY EA SD EA LF SD MD Unit MD * MD *	586 112 500 20 3,000 500 20 Qty 128 180	\$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15%	SY EA SD EA LF SD MD Unit MD* MD*	586 112 500 20 3,000 500 20 Qty 128 180	\$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10%	SY EA SD EA LF SD MD Unit MD* MD*	586 112 500 20 3,000 500 20 Qty 128 180	\$ \$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 49,100.00 23,100.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15% UPRR PERMIT FEES	SY EA SD EA LF SD MD Wnit MD* MD*	586 112 500 20 3,000 500 20 Qty 128 180	\$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00 10,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 17,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 49,100.00 23,100.00 10,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15% UPRR PERMIT FEES	SY EA SD EA LF SD MD Unit MD * MD *	586 112 500 20 3,000 500 20 Qty 128 180	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00 10,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 23,100.00 10,000.00 500,425.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15% UPRR PERMIT FEES	SY EA SD EA LF SD MD Unit MD* MD* \$ 491,130.00 \$ 154,000.00 coordinate Traffic on Design Fee Pl	586 112 500 20 3,000 500 20 Qty 128 180 1 1 1 Control Place	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00 10,000.00 ith ODOT, UPRR PROVED TABLE	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 23,100.00 10,000.00 500,425.00 10,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15% UPRR PERMIT FEES	SY EA SD EA LF SD MD Unit MD* MD* \$ 491,130.00 \$ 154,000.00 coordinate Traffic on Design Fee Pl	586 112 500 20 3,000 500 20 Qty 128 180 1 1 1 Control Place	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00 10,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 17,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 23,100.00 10,000.00 500,425.00 10,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15% UPRR PERMIT FEES	SY EA SD EA LF SD MD Unit MD* MD* \$ 491,130.00 \$ 154,000.00 coordinate Traffic on Design Fee Pl	586 112 500 20 3,000 500 20 Qty 128 180 1 1 1 Control Place	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00 10,000.00 ith ODOT, UPRR PROVED TABLE NG WORK ONLY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 23,100.00 10,000.00 500,425.00 10,000.00 45,000.00
1 2 3 4 5 6 5	ADVANCE SIGNAGE BARRELS @ 1/25FT = 112 CLOSED / LANE SHIFT / SPEED/ SGINAGE BARRICADES, TYPE 3 AND 1 W. LIGHTS TEMP. STRIPING & PYLONS WARNING LIGHTS FLAGMEN @ 2 MEN / DAY 10 DAYS Description - LABOR (IN KIND SERVICES) Water Line Labor / Equp. Cost (32 const. days) Sanitary Sewer Labor / Equp. Cost (45 const. days) *1 MD = I Man + 1 Piece Equip. Cont. on Materials / Contract Construction @ 10% Cont. on Labor / Equip @ 15% UPRR PERMIT FEES	SY EA SD EA LF SD MD Unit MD* MD* \$ 491,130.00 \$ 154,000.00 coordinate Traffic on Design Fee Pl	586 112 500 20 3,000 500 20 Qty 128 180 1 1 1 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.50 5.00 100.00 4.00 3.50 500.00 Unit Price 500.00 500.00 49,113.00 23,100.00 10,000.00 ith ODOT, UPRR PROVED TABLE NG WORK ONLY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	280.00 2,500.00 2,000.00 12,000.00 1,750.00 10,000.00 37,320.00 Total Price 64,000.00 90,000.00 154,000.00 23,100.00 10,000.00 500,425.00 10,000.00 45,000.00

^{***} Estimated Labor costs, design, surveying, and contingency shown here are not included in the cost estimates for water and sewer category. The labor costs are included in the City of Wagoner local match and ithe surveying, desing, and contingency costs are included separately in the final proejct budget.





CITY OF WAGONER

BUILD GRANT APPLICATION

STREETSCAPE AND BEAUTICATION PROJECT INTERSECTION OF SH 51 AND 69 TO EAST SIDEW OF RAILROAD TRACKS Estimate of Probable Cost

June 27, 2018

ITEM	UNIT	QUAN.	UNIT \$	EXTENDED
HARDSCAPE (SIDEWALKS, DRIVEWAYS, CURB RAMPS, RETAINING WALLS ETC.)	LF	11,000	\$85	\$935,000
STORM DRAINAGE IMPROVEMENTS	LSUM	1	\$2,877,604	\$2,877,604
PEDESTIAN BRIDGE	EA	2	\$90,000	\$180,000
LANDSCAPING AND BEAUTIFICATION	LSUM	1	\$215,000	\$215,000
STREET TREES	EA	147	\$900	\$132,300
ORNAMENTAL TREES	EA	250	\$500	\$125,000
IRRIGATION	LSUM	1	\$200,000	\$200,000
GATEWAY MONUMENT (SH 51 AND 69 INTERSECTION)	LSUM	1	\$225,000	\$225,000
UTILITY RELOCATION (OVERHEAD ELECTRICAL UNDERGROUND)	LSUM	1	\$1,000,000	\$1,000,000
ROADWAY AND PEDESTRIAN LIGHTING	EA	90	\$12,000	\$1,080,000
STREETSCAPE AMENITIES (BENCHES, LITTER RECEPTICLES, AND BIKE RACKS)	LSUM	1	\$61,200	\$61,200
RAILROAD CROSSINGS	EA	2	\$20,000	\$40,000
DEMOLITION	LSUM	1	\$175,000	\$175,000
SIGNAGE	LSUM	1	\$25,000	\$25,000

SUBTOTAL\$7,271,104.0020% CONTINGENCY\$1,454,220.80CONSTRUCTION TOTAL\$8,725,324.80TOPOGRAPHIC SURVEY\$30,000.00DESIGN FEE (8%)\$698,025.98CONTRACT ADMINISTRATION (5%)\$436,266.24TOTAL\$9,889,617.02

CITY OF WAGONER	Estimates provided by Robert Shears, PE
BUILD GRANT - STORM DRAINAGE ESTIMATE	

LOCATION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
US 69 TO S GRANT AVE US 69 TO S GRANT AVE (SOUTH SIDE)	5X3 RCB (INCLUDING EXCAVATION AND BACKFILL)	865	LF	425 \$	367,625.00
DROP INLETS	CURB OPENING GRATES (TRIPLE)	4	SETS	4500	18,000.00
DRIVEWAY REPAIR (SOUTH SIDE)	CONCRETE PAVING	233	SY	65	
US 69 TO S GRANT AVE (NORTH SIDE)	5X3 RCB (9INCLUDING EXCAVATION AND BACKFILL)	502	LF	425	213,350.00
CURB OPENING - GRATE INLETS DRIVEWAY REPAIR (NORTH SIDE)	CURB OPENING GRATES (TRIPLE) CONCRETE PAVING	4 78	SETS SY	4500 65	18,000.00
UTILITY RELOCATION - POWER AND LIGHT POLES	RELOCATION OF LIGHT/POWER POLES	4	EA	2500	
S HAYES AVE					
CHEROKEE TO UN-NAMED TRIBUTARY	6X3 RCB (INCLUDING EXCAVATION AND BACKFILL)	800	LF	425	340,000.00
STREET REPAIR	ASPHALT PAVING	1,333	SY	45	-
S GRANT TO LINCOLN					-
S GRANT AVE TO LINCOLN (SOUTH SIDE) CURB OPENING - GRATE INLETS	24-INCH RCP (INCLUDING EXCAVATION AND BACKFILL) CURB OPENING GRATES (DOUBLE)	865 4	LF SETS	55 4500	47,575.00 18,000.00
DRIVEWAY REPAIR (SOUTH SIDE)	CONCRETE PAVING	233	SY	4500 65	18,000.00
US 69 TO S GRANT AVE (NORTH SIDE)	24-INCH RCP (9INCLUDING EXCAVATION AND BACKFILL)	502	LF	55	27,610.00
CURB OPENING - GRATE INLETS	CURB OPENING GRATES (DOUBLE)	4	SETS	4500	18,000.00
DRIVEWAY REPAIR (NORTH SIDE)	CONCRETE PAVING	78	SY	65	
UTILITY RELOCATION - POWER AND LIGHT POLES	RELOCATION OF LIGHT/POWER POLES	4	EA	2500	-
NORTH TRIBUTARY UNDER CHEROKEE STREET	NEW BOX CULVERT (DOUBLE 6X10)	80	LF	800	64,000.00
LINCOLN TO RR					-
LINCOLN TO RAILROAD (SOUTH SIDE)	24-INCH RCP (INCLUDING EXCAVATION AND BACKFILL)	2,900	LF	55	159,500.00
CURB OPENING - GRATE INLETS	CURB OPENING GRATES (DOUBLE)	15	SETS	4500	67,500.00
DRIVEWAY REPAIR (SOUTH SIDE) LINCOLN TO RAILROAD (NORTH SIDE)	CONCRETE PAVING 24-INCH RCP (9INCLUDING EXCAVATION AND BACKFILL)	1,089 2,900	SY LF	65 55	159,500.00
CURB OPENING - GRATE INLETS	CURB OPENING GRATES (DOUBLE)	15	SETS	4500	67,500.00
DRIVEWAY REPAIR (NORTH SIDE)	CONCRETE PAVING	1,011	SY	65	
MAJOR STORM DRAINS TO NORTH TRIBUTARY					- - -
POLK AVE (POLK TO SECOND TO NORTH TRIB)	DOUBLE 24-INCH RCP (INCLUDING EXCAVATION AND BACKFILL)	4,000	LF	55	220,000.00
CURB OPENING - GRATE INLETS DRIVEWAY REPAIR (SOUTH SIDE)	CURB OPENING GRATES (DOUBLE) CONCRETE PAVING	10 233	SETS SY	4500 65	45,000.00
PIERCE AVE (PIERCE TO SECOND TO POLK AVE)	DOUBLE 24-INCH RCP (INCLUDING EXCAVATION AND BACKFILL)	4,000	LF	55	220,000.00
CURB OPENING - GRATE INLETS	CURB OPENING GRATES (DOUBLE)	10	SETS	4500	45,000.00
DRIVEWAY REPAIR (SOUTH SIDE)	CONCRETE PAVING	233	SY	65	
TYLER AVE (TYLER TO SECOND TO PIERCE)	DOUBLE 24-INCH RCP (INCLUDING EXCAVATION AND BACKFILL)	2,400	LF	55	132,000.00
CURB OPENING - GRATE INLETS DRIVEWAY REPAIR (SOUTH SIDE)	CURB OPENING GRATES (DOUBLE) CONCRETE PAVING	6 233	SETS SY	4500 65	27,000.00
CULVERT & ACCESSWAY UNDER HWY 69					-
ADD RCB FOR 1% FLOW	10 X6	100	LF	1000	100,000.00
ADD RCB FOR PED ACCESS	8X5	100	LF	650	65,000.00
RE-GRADING CHANNEL AND ACCESS RAMPS	GRADING	200	LF	85	17,000.00
UTILITY RELOCATION	ABOVE AND BELOW GROUND UTILTIES	12,000	LF	25	
SUBTOTAL				\$	2,457,160.00
CONTINGENCY (15%)				\$	368,574.00
SUBTOTAL				\$	2,825,734.00
G&A CONTRACTOR				\$	226,058.72
INSURANCE AND BONDS				\$	226,058.72
SUBTOTAL				\$	3,277,851.44
DESIGN FEE (8%)				\$	226,058.72
ENGINEERING SERVICES DURING BIDDING & CONST	FRUCTION (10%)			\$	282,573.40
ESTIMATE OF DESIGN AND CONSTRUCTION				\$	3,786,483.56

CITY OF WAGONER	Estimates provided by Robert Shears, PE
BUILD GRANT - STORM DRAINAGE ESTIMATE - Material Only	

LOCATION ITEM QUANTITY UNIT UNIT PRICE US 69 TO S GRANT AVE US 69 TO S GRANT AVE (SOUTH SIDE) 5X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 865 LF 16: DROP INLETS CURB OPENING GRATES (TRIPLE) 4 SETS 2500 DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 3: US 69 TO S GRANT AVE (NORTH SIDE) 5X3 RCB (9INCLUDING EXCAVATION AND BACKFILL) 502 LF 16: CURB OPENING - GRATE INLETS CURB OPENING GRATES (TRIPLE) 4 SETS 2000 DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 78 SY 3: UTILITY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES 4 EA 1200 S HAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY 6X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 800 LF 20: STREET REPAIR ASPHALT PAVING 1,333 SY 3: S GRANT TO LINCOLN S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 3: CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2000 DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 3: DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 3:	3 82,8 5 82,8 0 8,0 3 0
US 69 TO S GRANT AVE (SOUTH SIDE) SX3 RCB (INCLUDING EXCAVATION AND BACKFILL) ROPE INLETS CURB OPENING GRATES (TRIPLE) CONCRETE PAVING CONCRETE PAVING CURB OPENING GRATE (TRIPLE) 4 SETS 2500 CONCRETE PAVING CURB OPENING GRANT AVE (NORTH SIDE) SX3 RCB (9INCLUDING EXCAVATION AND BACKFILL) LEF 1610 CURB OPENING - GRATE INLETS CURB OPENING GRATES (TRIPLE) A SETS 2000 DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING CONCRETE PAVING CONCRETE PAVING TRIPLE SHAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY ASPHALT PAVING SGRANT AVE TO LINCOLN S GRANT TO LINCOLN S GRANT TO LINCOLN S GRANT TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 1610 161	10,0 3 5 82,8 0 8,0 3 0
DROP INLETS CURB OPENING GRATES (TRIPLE) 4 SETS 2500 DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 33 US 69 TO S GRANT AVE (NORTH SIDE) 5X3 RCB (9INCLUDING EXCAVATION AND BACKFILL) CURB OPENING - GRATE INLETS CURB OPENING GRATES (TRIPLE) 4 SETS 2000 DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 78 SY 33 UTILITY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES S HAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY 6X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 800 LF 200 STREET REPAIR ASPHALT PAVING 1,333 SY 30 S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 361 CURB OPENING - GRATE INLETS 200 CURB OPENING GRATES (DOUBLE) 4 SETS 200 CURB OPENING GRATES (DOUBLE) 4 SETS 200 CONCRETE PAVING 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 361 361 362 363 363 364 365 365 366 366 366 366 366 366 366 366	10,0 3 5 82,8 0 8,0 3 0
DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 33 US 69 TO S GRANT AVE (NORTH SIDE) 5X3 RCB (9INCLUDING EXCAVATION AND BACKFILL) 502 LF 163 CURB OPENING - GRATE (INLETS CURB OPENING GRATES (TRIPLE) A SETS 200 DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 78 SY 33 UTILITY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES 4 EA 120 S HAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY 6X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 800 LF 203 STREET REPAIR ASPHALT PAVING 1,333 SY 30 S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 36 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 200 CONCRETE PAVING 78 SY 79 33 CONCRETE PAVING 78 SY 79 33 CONCRETE PAVING 79 STREET REPAIR 800 LF 200 CONCRETE PAVING 801 LF 802 CONCRETE PAVING 803 LF 804 CONCRETE PAVING 805 LF 805 CONCRETE PAVING 806 LF 807 CONCRETE PAVING 807 CURB OPENING GRATES (DOUBLE) 4 SETS 200 CONCRETE PAVING 807 CONCRETE PAVING 807 CONCRETE PAVING 808 CONCRETE PAVING 809 CURB OPENING GRATES (DOUBLE) 809 CONCRETE PAVING 809 CURB OPENING GRATES (DOUBLE)	3 82,8 5 82,8 0 8,0 3 0
US 69 TO S GRANT AVE (NORTH SIDE) 5X3 RCB (9INCLUDING EXCAVATION AND BACKFILL) 5URB OPENING - GRATE INLETS CURB OPENING GRATES (TRIPLE) 4 SETS 2006 DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 78 SY 33 UTILITY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES 4 EA 1206 S HAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY 5 STREET REPAIR 6 X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 8 SGRANT FOLINCOLN S GRANT AVE TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 8 65 LF 3 3 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2006 2007	5 82,8 0 8,0 3 0
CURB OPENING - GRATE INLETS CURB OPENING GRATES (TRIPLE) CONCRETE PAVING CONCRETE PAVING TRIBUTARY REPAIR (NORTH SIDE) CONCRETE PAVING TRIBUTARY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES SHAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY STREET REPAIR SERANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) S GRANT AVE TO LINCOLN (SOUTH SIDE) CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2000	0 8,0 3 0 167,7
DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 78 SY 33 UTILITY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES 4 EA 120 S HAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY 6X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 800 LF 200 STREET REPAIR ASPHALT PAVING 1,333 SY 30 S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 36 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2006	3 0 9 167,2
S HAYES AVE CHEROKEE TO UN-NAMED TRIBUTARY 6X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 800 LF 200 STREET REPAIR ASPHALT PAVING 1,333 SY 36 S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 360 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2006	9 167,2
CHEROKEE TO UN-NAMED TRIBUTARY 6X3 RCB (INCLUDING EXCAVATION AND BACKFILL) 800 LF 2005 STREET REPAIR ASPHALT PAVING 1,333 SY 36 S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 36 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2006	,
STREET REPAIR ASPHALT PAVING 1,333 SY 30 S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 30 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2000	,
S GRANT TO LINCOLN S GRANT AVE TO LINCOLN (SOUTH SIDE) CURB OPENING - GRATE INLETS 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 36 CURB OPENING - GRATE INLETS 2006 2007 2008 2008 2008 2008 2008 2008 2008	
S GRANT AVE TO LINCOLN (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 865 LF 30 CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2000)
CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2001	25.
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	,
US 69 TO S GRANT AVE (NORTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 502 LF 30	
CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 4 SETS 2001	,
DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 78 SY 33	3
UTILITY RELOCATION - POWER AND LIGHT POLES RELOCATION OF LIGHT/POWER POLES 4 EA 1201)
NORTH TRIBUTARY	
UNDER CHEROKEE STREET NEW BOX CULVERT (DOUBLE 6X10) 80 LF 43:	5 34,8
LINCOLN TO RR	
LINCOLN TO RAILROAD (SOUTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 2,900 LF 2	2 63,8
CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 15 SETS 200	
DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 1,089 SY 3:	
LINCOLN TO RAILROAD (NORTH SIDE) 24-INCH RCP (EXCLUDING EXCAVATION AND BACKFILL) 2,900 LF 2:	,
CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 15 SETS 2001 DRIVEWAY REPAIR (NORTH SIDE) CONCRETE PAVING 1,011 SY 3:	,
MAJOR STORM DRAINS TO NORTH TRIBUTARY	
POLK AVE (POLK TO SECOND TO NORTH TRIB) DOUBLE 24-INCH RCP (INCLUDING EXCAVATION AND BACKF 4,000 LF 2:	2 88,0
CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 10 SETS 2001	20,0
DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 3:	3
PIERCE AVE (PIERCE TO SECOND TO POLK AVE) DOUBLE 24-INCH RCP (EXCLUDING EXCAVATION AND BACKF 4,000 LF 2	,
CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 10 SETS 200	,
DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 33	}
TYLER AVE (TYLER TO SECOND TO PIERCE) DOUBLE 24-INCH RCP (EXCLUDING EXCAVATION AND BACKF 2,400 LF 2: CURB OPENING - GRATE INLETS CURB OPENING GRATES (DOUBLE) 6 SETS 200	,
DRIVEWAY REPAIR (SOUTH SIDE) CONCRETE PAVING 233 SY 3:	,
CULVERT & ACCESSWAY UNDER HWY 69	
ADD RCB FOR 1% FLOW 10 X6 100 LF 450	0 45,0
ADD RCB FOR PED ACCESS 8X5 100 LF 279	5 27,5
RE-GRADING CHANNEL AND ACCESS RAMPS GRADING 200 LF 30	0 6,0
UTILITY RELOCATION ABOVE AND BELOW GROUND UTILITIES 12,000 LF 26)
SUBTOTAL	\$ 1,049,4
CONTINGENCY (15%)	\$ 157,4
TOTAL MATERIALS	\$ 1,206,8
DESIGN FEE (8%)	\$ 226,0
	\$ 282,5
ENGINEERING SERVICES DURING BIDDING & CONSTRUCTION (10%)	