



STAFF REPORT

DATE: May 16, 2017

REGULAR

ITEM #: 21

AGENDA ITEM: CSAH 13 (Ideal Avenue/Olson Lake Trail) – Approve Concurrence to Award a Construction Contract and Approve Cooperative Agreement No. 10904 with Washington County for Engineering and Construction Costs

SUBMITTED BY: Jack Griffin, City Engineer

REVIEWED BY: Kristina Handt, City Administrator
Rob Weldon, Public Works Director
Chad Isakson, Assistance City Engineer

ISSUE BEFORE COUNCIL: Should the City Council concur with Washington County to award a construction contract and approve Cooperative Agreement No. 10904 with Washington County for Design and Construction for the CSAH 13 (Ideal Avenue/Olson Lake Trail) Improvements?

BACKGROUND: In 2017, Washington County will be reconstructing CSAH 13 (Ideal Avenue/Olson Lake Trail) from 44th Street North to 50th Street North including street, drainage, and trail improvements. At the request of the Cities of Lake Elmo and Oakdale the project also includes the Phase 2 extension of sanitary sewer for the Olson Lake Trail municipal urban service area. The Phase 1 sanitary sewer extension project was constructed in 2013 with Phase 2 intended to be constructed in coordination with Washington County's street reconstruction along CSAH 13. Washington County has programmed the CSAH 13 street improvements to be constructed in 2017 and initiated the planning and preliminary design work accordingly. The Lake Elmo City Council provided municipal consent for the CSAH 13 Improvements as presented by Washington County on July 19, 2016. The street is owned and operated by Washington County and the City boundary between Oakdale and Lake Elmo is along the center of the street.

PROPOSAL DETAILS/ANALYSIS: The CSAH 13 (Ideal Avenue/Olson Lake Trail) Street, Drainage, Trail and Sanitary Sewer Improvements will be implemented as a joint effort between Washington County, the City of Lake Elmo, and the City of Oakdale, coordinated through Cooperative and Joint Powers Agreements. Washington County is the lead agency for the project design and construction. In accordance with the County Cost Participation Policy, the County is requesting City cost participation for these improvements, as outlined in the agreement, in the amount of \$548,394.40. The City's cost share includes permanent and temporary right-of-way acquisition, pedestrian trail improvements, curb and gutter, retaining walls, sanitary sewer and storm water pond construction costs.

Cooperative Agreement No. 10904 sets forth the provisions that authorizes the County to implement the improvements including engineering design, construction administration, and testing, right-of-way and easement acquisition, including the use of eminent domain, and retaining a contractor for project construction. The Agreement also outlines the City's obligations for cost participation including payment terms and schedule. The costs are estimated for the purpose of the Cooperative Agreement, however the actual cost participation by the City will be determined using the City's share of the actual project costs for each respective cost participation item.

The County has finalized the project design and contractor bids were obtained on May 2, 2017. The County received 5 bids with the low bid in the amount of \$2,924,191.21 from Arnt Construction, Inc. The engineer's construction cost estimate was in the amount of \$3,612,835.60. The Cooperative Agreement has not been updated with the Post-Bid project costs.

FISCAL IMPACT: Post-bid Estimated City Cost Share is \$611,000.

The estimated total project cost is \$4,820,800 with the City cost share estimated to be \$611,000. The City share of the street, drainage, and trail improvements is estimated at \$383,000 and City share of the sanitary sewer improvements estimated at \$228,000. The improvements are proposed to be assessed against the benefitting properties consistent with the City's Special Assessment Policy including proposed assessments in the amount of \$128,800 for the street, drainage and trail improvements and \$230,500 for the sanitary sewer improvements.

RECOMMENDATION: Staff is recommending that the City Council concur with Washington County to award a construction contract and approve Cooperative Agreement No. 10904 with Washington County for Design and Construction for the CSAH 13 (Ideal Avenue/Olson Lake Trail) Improvements. The recommended motion for the action is as follows:

“Move to approve Resolution No. 2017-053 concurring with Washington County to award a construction contract and approving Cooperative Agreement 10904 with Washington County for the Design and Construction for the CSAH 13 (Ideal Avenue/Olson Lake Trail) Street, Drainage, Trail and Sanitary Sewer Improvements.”

ATTACHMENTS:

1. Resolution No. 2017-053 Concurring with Washington County to Award a Construction Contract and Approving Cooperative Agreement 10904.
2. Cooperative Agreement 10904.

**CITY OF LAKE ELMO
WASHINGTON COUNTY
STATE OF MINNESOTA**

**RESOLUTION NO. 2017-053
A RESOLUTION CONCURRING WITH WASHINGTON COUNTY TO
AWARD A CONSTRUCTION CONTRACT AND APPROVING
COOPERATIVE AGREEMENT 10904 FOR THE
COUNTY STATE AID HIGHWAY (CSAH 13) IMPROVEMENTS**

WHEREAS, the County intends to reconstruct County State Aid Highway (CSAH) 13 from CSAH 14 (34th Street) to CSAH 35 (50th Street) in the City of Lake Elmo; and

WHEREAS, items included in the project require City cost participation in accordance with “Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects”; and

WHEREAS, the City desires to use local funds for these improvements; and

WHEREAS, the County desires to use State Aid funds and State Grants for these improvements; and

WHEREAS, Washington County received, opened, and tabulated bids, and is recommending the award of a construction contract; and

WHEREAS, a cooperative effort between the City and County is the appropriate method to facilitate the construction of these transportation improvements; and

WHEREAS, this Agreement is made pursuant to statutory authority contained in Minnesota Statute 162.17 sub.1 and Minnesota Statute 471.59.

NOW, THEREFORE, BE IT RESOLVED,

1. The City Council hereby concurs with Washington County to award a construction contract.
2. That Cooperative Agreement 10904 between the City of Lake Elmo and Washington County are hereby approved and the Mayor and City Administrator are hereby authorized execute the agreements on behalf of the City of Lake Elmo.

ADOPTED BY THE LAKE ELMO CITY COUNCIL ON THE SIXTEENTH DAY OF MAY, 2017.

CITY OF LAKE ELMO

By: _____
Mike Pearson
Mayor

(Seal)
ATTEST:

Julie Johnson
City Clerk

**COOPERATIVE AGREEMENT BETWEEN THE CITY OF
LAKE ELMO AND WASHINGTON COUNTY FOR
CONSTRUCTION COST OF COUNTY STATE AID HIGHWAY
(CSAH) 13**

WASHINGTON COUNTY	
CONTRACT NO.	10904
DEPT.	PUBLIC WORKS
DIVISION	TRANSPORTATION
TERM	SIGNATURE – END OF PROJECT

THIS AGREEMENT, by and between the City of Lake Elmo, a municipal corporation, herein after referred to as the "City", and Washington County, a political subdivision of the State of Minnesota, hereinafter referred to as the "County."

WITNESSETH:

WHEREAS, the County intends to reconstruct County State Aid Highway (CSAH) 13 from CSAH 14 (34th Street) to CSAH 35 (50th Street) in the City of Lake Elmo; and

WHEREAS, items included in the project require City cost participation in accordance with "Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects"; and

WHEREAS, the City desires to use local funds for these improvements; and

WHEREAS, the County desires to use State Aid funds and State Grants for these improvements; and

WHEREAS, a cooperative effort between the City and County is the appropriate method to facilitate the construction of these transportation improvements; and

WHEREAS, this Agreement is made pursuant to statutory authority contained in Minnesota Statute 162.17 sub.1 and Minnesota Statute 471.59.

NOW THEREFORE, IT IS HEREBY MUTUALLY AGREED AS FOLLOWS:

A. PURPOSE

The purpose of this agreement is set forth in the above whereas clauses which are all incorporated by reference as if fully set forth herein and shall consist of this agreement, Exhibit A (Location Map) and Exhibit B (Estimated Cost and Cost Splits).

B. PLANS AND SPECIFICATION PREPARATION

1. The County shall be responsible for the preparation of all the plans and specifications for the project, including but not limited to, compliance with all applicable standards and policies and obtaining all approvals required in formulating the bid specifications for all County and City components of this Project.
2. The following County project number has been assigned to the project: SAP 082-613-033 (CSAH 13).

C. RIGHT OF WAY AND EASEMENTS

1. The County shall acquire all permanent rights-of-way, permanent easements, and temporary slope easements. All permanent rights-of-way, permanent easements, and temporary easements will be acquired in the name of the County.
2. Any rights-of-way, permanent easements, and temporary slope easements that cannot be obtained through negotiation will be acquired by the County through eminent domain proceedings.

D. ADVERTISEMENT AND AWARD OF CONTRACT

After plans and specifications have been approved by the County, all permits and approvals obtained, and acquisition of necessary rights-of-way and easements, the County shall advertise

for construction bids and with City concurrence, the County shall award the contract to the lowest responsible bidder.

E. CONSTRUCTION ADMINISTRATION, OBSERVATION, AND TESTING

The County shall be responsible for the construction administration, inspection, and for the observation and testing for all construction items.

F. COST PARTICIPATION ITEMS AND ESTIMATED COSTS

Items included in the project require City cost participation in accordance with “Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects”, which is incorporated into this agreement by reference. The City’s cost participation, as set forth in Table 1, is broken down into four categories which are: 1.) Construction; 2) Design Engineering; 3) Construction Engineering/Contract Administration; 4) Right of Way.

1. Construction

Construction costs include the cost to construct the project. The County has prepared a projection cost and cost splits hereto attached as Exhibit B. The total project cost for construction is estimated to be \$3,790,266.40 as indicated in Exhibit B. The City shall pay to the County its share of the total cost as shown in Exhibit B and summarized in Table 1. After the County has awarded the construction contract, Exhibit B will be updated to reflect the actual contractor’s unit prices.

2. Design Engineering

Design engineering costs include the cost for professional design engineering services, project coordination, preparation of plans and specification, stake holder engagement, geotechnical studies and other administrative functions necessary for the project. The City shall pay \$38,999.17 for design engineering. The City share is 5.7% of the preliminary and final design cost of \$684,196.00 and is based on the City’s cost share of the total construction cost.

3. Construction Engineering/Contract Administration

Construction Engineering/Contract Administration cost includes the cost of construction observation, construction testing, construction administration, staking, conducting and recording the pre-bid, pre-construction and weekly construction meetings, reviewing monthly pay estimates, labor compliance, and other administrative functions necessary for the project. The City shall pay \$16,419.42 for construction engineering/contract administration. The City share is 5.7% of the total estimated cost for construction engineering/construction administration of \$288,060.07 and is based on the City’s cost share of the total construction cost.

4. Right of Way

Right of Way cost includes the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, and condemnation commissioner costs. The estimated purchase cost for right of way is \$96,855.00 and is 36.1% of the total estimated cost of \$268,000.00. In addition, the estimated purchase cost for the storm pond right of way is \$68,000.00 and is 20% of the estimated total cost of \$340,000.00 as summarized in Table 1.

Table 1 City of Lake Elmo Cost Summary	
ITEM	COST
1. Construction	\$328,120.80
2. Design Engineering	\$38,999.17
3. Construction Engineering / Contract Administration	\$16,419.42
4. Right of Way	
Total Cost- Road Improvements: \$268,000.00 City Cost: 36.1%	\$96,855.00
Total Cost- Storm Pond: \$340,000.00 City Cost: 20%	\$68,000.00
TOTAL ESTIMATED COST	\$548,394.40

5. The construction costs and right of way costs attributable to the City and payable to the County in section F are merely estimated costs. Actual construction costs will be based on the contractor's unit prices and quantities, and a reconciliation of actual costs to the estimated costs will be made pursuant to section G of this agreement. Actual costs associated with right of way shall be determined at the end of the project.
6. Costs associated with design engineering and construction engineering/contract administration will not vary based on actual construction costs and shall be as stipulated in Table 1.

G. PAYMENT

1. Construction
 - a. After the County has awarded the construction contract, Exhibit B will be updated to reflect the actual contractor's unit prices and will submit a copy of the revised summary to the City. Upon receipt of the revised summary and invoice, the City shall pay Washington County an amount equal to 10 percent of the City's estimated construction cost.
 - b. During construction the County shall submit to the City an estimated cost of the partial work performed by the Contractor. Upon receipt of this estimated cost, the City shall pay to the County its share of the cost of the partial work performed as determined in Section F of this Agreement.
 - c. Upon substantial completion of the work the County shall prepare a final cost participation summary which will be based upon the contract unit prices and the actual units of work performed and shall submit a copy of this summary to the City. The County shall submit to the City a final reconciliation of costs, which will add or subtract contract amendments to the City's Project components; adjustments for liquidated damages pursuant to Section I. and previous Project cost payments made by the City to the County. If the amount of the total of the payments made by the City pursuant to Section G.2 is less than the actual cost to the City of its portion of the Project, the City agrees to pay the difference between the estimated amount paid by the City and the actual cost of the City's portion of the project.
2. Costs associated with design engineering, construction engineering/contract administration, and right of way shall be invoiced by the County and paid by the City on a reimbursable basis.
3. In the event that the City paid more in advance than the actual cost of the City's portion of the project, the County shall refund without interest the amount to the City.
4. The City shall pay 100 percent of an invoice amount within 30 days of receipt.

H. CONTRACT CHANGES

1. Any modifications or additions to the final approved plans and/or specifications of the City's portion of the project shall be made part of the construction contract through a written amendment to the construction contract, but only after concurrence by the City Engineer, and the cost for such changes shall be appropriated as set forth in Section F of this Agreement.
2. Any utility or facility which is subsequently modified or added to the final approved plans and/or specifications shall become part of the construction contract and shall be paid for in accordance with the County Cost Participation Policy as summarized in Section F of this Agreement.

I. LIQUIDATED DAMAGES

Any liquidated damage assessed the contractor in connection with the work performed on the project shall be shared by the City and the County in the following proportion: The respective total share of construction work to the total construction cost without any deduction for liquidated damages.

J. CONDITIONS

The City shall not assess or otherwise recover any portion of its cost for this project through levy on County-owned property.

K. CIVIL RIGHTS AND NON-DISCRIMINATION

The provisions of Minn. Stat. 181.59 and of any applicable ordinance relating to civil rights and discrimination shall be considered part of this Agreement as if fully set further herein, and shall be part of any Agreement entered into by the parties with any contractor subcontractor, or material suppliers.

L. WORKERS COMPENSATION

It is hereby understood and agreed that any and all employees of the City and all other persons employed by the City in the performance of construction and/or construction engineering work or services required or provided for under this agreement shall not be considered employees of the County and that any and all claims that may or might arise under the Worker's Compensation Act of the State of Minnesota on behalf of said employees while so engaged and any and all claims made by any third parties as a consequence of any act or omission on the part of said City employees while so engaged on any of the construction and/or construction engineering work or services to be rendered herein shall in no way be the obligation or responsibility of the County.

M. INDEMNIFICATION

1. The City agrees that it will defend, indemnify and hold harmless the County against any and all liability, loss, damages, costs and expenses which the County may hereafter sustain, incur or be required to pay by reason of any negligent act by the City, its agents, officers or employees during the performance of this agreement.
2. The County agrees that it will defend, indemnify and hold harmless the City against any and all liability, loss, damages, costs and expenses which the City may hereafter sustain, incur or be required to pay by reason of any negligent act by the County, its agents, officers or employees during the performance of this agreement.
3. To the fullest extent permitted by law, actions by the parties to this Agreement are intended to be and shall be construed as a "cooperative activity" and it is the intent of the parties that they shall be deemed a "single governmental unit" for the purposes of liability, as set forth in Minnesota Statutes, Section 471.59, subd. 1a(b). The parties to this Agreement are not liable for the acts or omissions of another party to this Agreement except to the extent they have agreed in writing to be responsible for the acts or omissions of the other parties as provided for in Section 471.59, subd. 1a.

4. Each party's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 and other applicable law. The parties agree that liability under this Agreement is controlled by Minnesota Statute 471.59, subdivision 1a and that the total liability for the parties shall not exceed the limits on governmental liability for a single unit of government as specified in 466.04, subdivision 1(a).

N. DATA PRIVACY

All data collected, created, received, maintained, or disseminated, or used for any purposes in the course of this Agreement is governed by the Minnesota Government Data Practices Act, Minnesota Statutes 1984, Section 13.01, et seq. or any other applicable state statutes and state rules adopted to implement the Act, as well as state statutes and federal regulations on data privacy.

IN TESTIMONY WHEREOF the parties have duly executed this agreement by their duly authorized officers.

WASHINGTON COUNTY

CITY OF LAKE ELMO

Chair Date
Board of Commissioners

Mayor Date

Molly O'Rourke Date
County Administrator

City Administrator Date

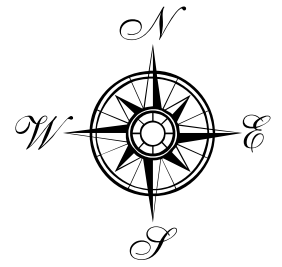
Approved as to form:

Approved as to form:

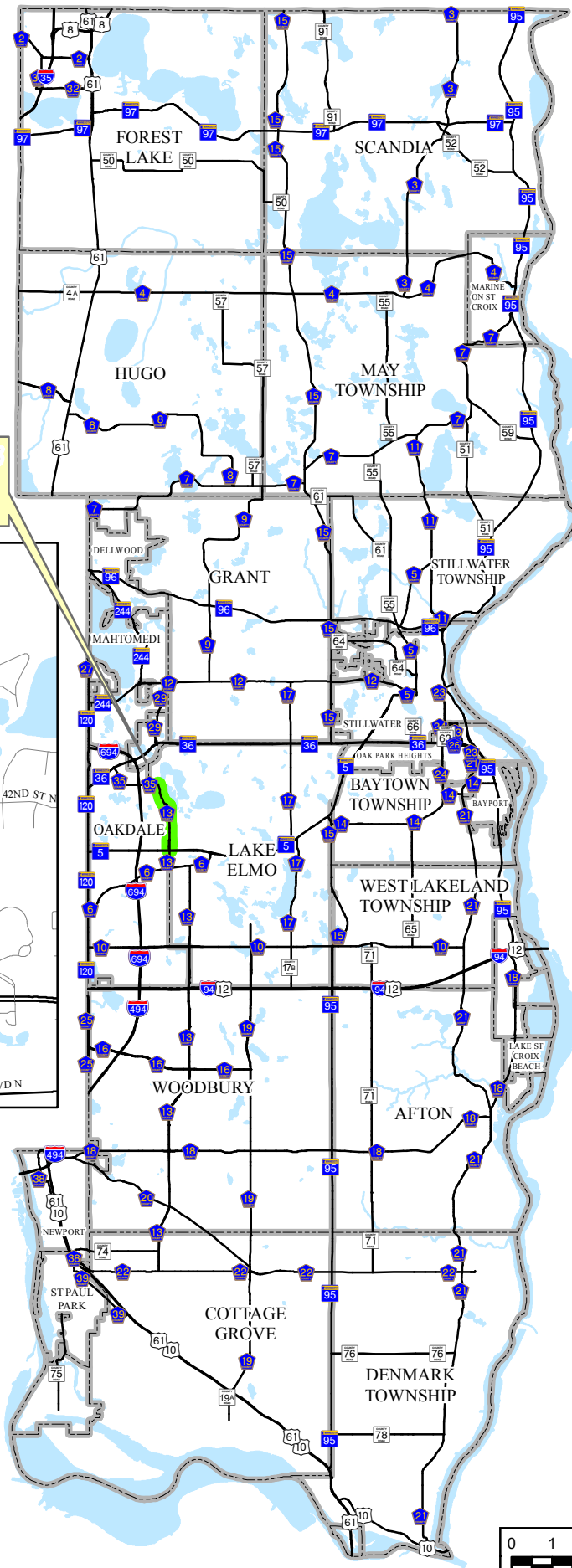
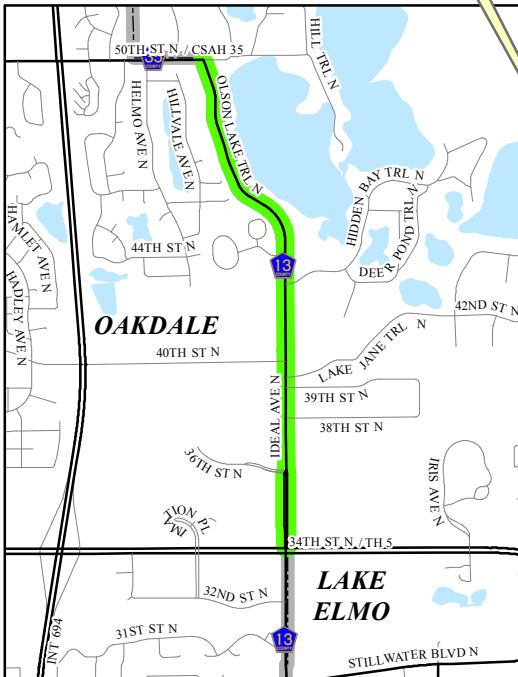
Assistant County Attorney Date

City Attorney Date

Exhibit A- Location Map



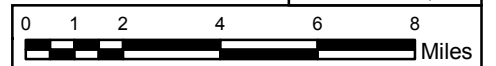
CSAH 13 - From TH 5 to CSAH 35
Oakdale & Lake Elmo
Project # SAP 82-613-033



Road Classification

- INTERSTATE HIGHWAY
- U.S. TRUNK HIGHWAY
- STATE TRUNK HIGHWAY
- COUNTY STATE AID HIGHWAY
- COUNTY ROAD

Scale 1:250,000



This map is the result of a compilation and reproduction of land records as they appear in various Washington County offices. This map should be used for reference purposes only. Washington County is not responsible for any inaccuracies.

**Exhibit B-
Estimated Costs and Cost Splits**

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL PROJECT QUANTITIES	S.A.P. 082-613-033			CITY OF LAKE ELMO		CITY OF OAKDALE			
					WASHINGTON COUNTY			NON-PART	SHARE	S.A.P. 185-020-003			
					ESTIMATED	ROADWAY	STORM			SHARE	PART	SHARE	NON-PART
2021.501	MOBILIZATION	LUMP SUM	\$200,000.00	1	0.88		\$176,000.00	0.06	\$12,000.00	0.06	\$12,000.00		
2031.501	FIELD OFFICE TYPE D	EACH	\$20,000.00	1	1		\$20,000.00						
2101.501	CLEARING	ACRE	\$6,000.00	9.2	9.2		\$55,200.00						
2101.506	GRUBBING	ACRE	\$6,000.00	9.2	9.2		\$55,200.00						
2104.501	REMOVE PIPE CULVERTS	LIN FT	\$15.00	647	647		\$9,705.00						
2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	\$20.00	164	164		\$3,280.00						
2104.501	REMOVE CURB & GUTTER	LIN FT	\$8.00	140	140		\$1,120.00						
2104.501	REMOVE STONE RETAINING WALL	LIN FT	\$6.00	160	160		\$960.00						
2104.501	REMOVE FENCE	LIN FT	\$6.00	220	220		\$1,320.00						
2104.503	REMOVE BITUMINOUS WALK	SQ FT	\$1.50	9770	9770		\$14,655.00						
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$8.00	770	770		\$6,160.00						
2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$8.00	2150	2150		\$17,200.00						
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$3.00	14400	14400		\$43,200.00						
2104.507	REMOVE RIPRAP	CU YD	\$30.00	6	6		\$180.00						
2104.509	REMOVE DRAINAGE STRUCTURE	EACH	\$500.00	1	1		\$500.00						
2104.509	REMOVE MARKER	EACH	\$35.00	2	2		\$70.00						
2104.509	REMOVE SIGN TYPE C	EACH	\$35.00	36	36		\$1,260.00						
2104.509	REMOVE MAIL BOX SUPPORT	EACH	\$65.00	40	40		\$2,600.00						
2104.509	REMOVE BOULDER	EACH	\$100.00	14	14		\$1,400.00						
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$5.00	190	190		\$950.00						
2104.513	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$5.00	660	660		\$3,300.00						
2104.521	SALVAGE WOODEN FENCE	LIN FT	\$25.00	55	55		\$1,375.00						
2104.523	SALVAGE MARKER	EACH	\$80.00	7		7	\$560.00						
2104.523	SALVAGE LIGHTING UNIT	EACH	\$500.00	2	2		\$1,000.00						
2104.523	SALVAGE SIGN TYPE C	EACH	\$80.00	2	2		\$160.00						
2104.523	SALVAGE SIGN TYPE D	EACH	\$80.00	1	1		\$80.00						
2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	\$50.00	2	2		\$100.00						
2104.618	SALVAGE BRICK PAVERS	SQ FT	\$5.00	490	490		\$2,450.00						
2104.618	REMOVE BRICK PAVERS	SQ FT	\$4.00	180	180		\$720.00						
2105.604	PLASTIC LINER	SQ YD	\$15.00	594		356	\$5,340.00	119	\$1,785.00	119	\$1,785.00		
2106.501	EXCAVATION - COMMON (P)	CU YD	\$12.00	20406	16196		\$194,352.00	2105	\$25,260.00	2105	\$25,260.00		
2106.507	EXCAVATION - SUBGRADE (P)	CU YD	\$14.00	7873	7873		\$110,222.00						
2106.522	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	\$19.00	8076	8076		\$153,444.00						
2106.523	COMMON EMBANKMENT (CV) (P)	CU YD	\$10.00	11655	11121		\$111,210.00	267	\$2,670.00	267	\$2,670.00		
2118.607	AGGREGATE SURFACING (CV) CLASS 2	CU YD	\$40.00	140	140		\$5,600.00						
2130.501	WATER	M GALLON	\$50.00	10	10		\$500.00						
2131.502	CALCIUM CHLORIDE SOLUTION	GALLON	\$1.25	2890	2890		\$3,612.50						
2211.503	AGGREGATE BASE (CV) CLASS 5 (P)	CU YD	\$25.00	4950	4538		\$113,450.00	206	\$5,150.00	206	\$5,150.00		
2232.501	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$1.50	27800	27800		\$41,700.00						
2301.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	\$20.00	11	5		\$100.00	3	\$60.00	3	\$60.00		
2360.501	TYPE SP 12.5 WEARING COURSE MIX (3,B)	TON	\$75.00	240	240		\$18,000.00						
2360.501	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	\$80.00	6930	6930		\$554,400.00						
2360.502	TYPE SP 12.5 NON WEAR COURSE MIX (3,B)	TON	\$60.00	1730	1730		\$103,800.00						
2401.501	STRUCTURAL CONCRETE (3B52)	CU YD	\$700.00	65	33		\$22,820.00	16.2	\$11,340.00	16.2	\$11,340.00		
2401.541	REINFORCEMENT BARS (EPOXY COATED)	POUND	\$1.20	3180	1590		\$1,908.00	795	\$954.00	795	\$954.00		
2402.583	ORNAMENTAL METAL RAILING TYPE SPECIAL 1	LIN FT	\$140.00	196	98		\$13,720.00	49	\$6,860.00	49	\$6,860.00		
2411.521	GRANULAR BACKFILL MOD (CV)	CU YD	\$40.00	600				390	\$15,600.00			210	\$8,400.00
2411.618	SPECIAL SURFACE FINISH (MULTI-COLOR) (P)	SQ FT	\$7.00	1500	750		\$5,250.00	375	\$2,625.00	375	\$2,625.00		
2411.618	ARCH CONC TEXTURE (ASHLAR STONE)	SQ FT	\$14.00	1500	750		\$10,500.00	375	\$5,250.00	375	\$5,250.00		
2451.507	GRANULAR BEDDING (CV)	CU YD	\$25.00	1	1		\$25.00						

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL PROJECT QUANTITIES	S.A.P. 082-613-033			CITY OF LAKE ELMO		CITY OF OAKDALE				
					WASHINGTON COUNTY			NON-PART	SHARE	S.A.P. 185-020-003				
					ESTIMATED	ROADWAY	STORM			SHARE	PART	SHARE	NON-PART	SHARE
2451.515	COARSE AGGREGATE BEDDING (CV)	CU YD	\$29.00	547			247	\$7,160.10	195	\$5,655.00			105	\$3,045.00
2451.607	MEDIUM FILTER AGGREGATE (CV)	CU YD	\$70.00	21			12	\$861.00	4.1	\$287.00	4.1	\$287.00		
2452.618	STEEL SHEET PILING (PERMANENT)	SQ FT	\$45.00	3908	1954			\$87,930.00	977	\$43,965.00	977	\$43,965.00		
2501.515	18" GS PIPE APRON	EACH	\$400.00	2	2			\$800.00						
2501.515	18" RC PIPE APRON	EACH	\$600.00	2		2		\$1,200.00						
2501.515	24" RC PIPE APRON	EACH	\$700.00	3		3		\$2,100.00						
2501.515	42" RC PIPE APRON	EACH	\$1,300.00	1		1		\$1,300.00						
2501.602	TRASH GUARD FOR 18" PIPE APRON	EACH	\$300.00	3	1	2		\$900.00						
2501.602	TRASH GUARD FOR 24" PIPE APRON	EACH	\$500.00	1		1		\$500.00						
2502.541	4" PERF TP PIPE DRAIN	LIN FT	\$15.00	200	200			\$3,000.00						
2502.541	6" PERF TP PIPE DRAIN	LIN FT	\$14.00	476		286		\$4,004.00	95	\$1,330.00	95	\$1,330.00		
2503.511	18" CS PIPE SEWER	LIN FT	\$40.00	136	36	100		\$5,440.00						
2503.511	6" PVC PIPE SEWER	LIN FT	\$60.00	32		19		\$1,152.00	6.4	\$384.00	6.4	\$384.00		
2503.541	15" RC PIPE SEWER DES 3006 CL V	LIN FT	\$65.00	1400		1400		\$91,000.00						
2503.541	18" RC PIPE SEWER DES 3006	LIN FT	\$36.00	1253		1253		\$45,108.00						
2503.541	24" RC PIPE SEWER DES 3006	LIN FT	\$45.00	707		707		\$31,815.00						
2503.541	30" RC PIPE SEWER DES 3006	LIN FT	\$55.00	273		273		\$15,015.00						
2503.541	36" RC PIPE SEWER DES 3006	LIN FT	\$70.00	280		280		\$19,600.00						
2503.541	36" RC PIPE SEWER DES 3006 CL IV	LIN FT	\$135.00	207		207		\$27,945.00						
2503.541	36" RC PIPE SEWER DES 3006 CL V	LIN FT	\$100.00	538		538		\$53,800.00						
2503.541	42" RC PIPE SEWER DES 3006 CL IV	LIN FT	\$120.00	37		37		\$4,440.00						
2503.541	42" RC PIPE SEWER DES 3006 CL V	LIN FT	\$140.00	171		171		\$23,940.00						
2503.602	CONSTRUCT BULKHEAD	EACH	\$600.00	1		1		\$600.00						
2503.602	CONNECT TO EXISTING MANHOLES (SAN)	EACH	\$1,500.00	2					1.3	\$1,950.00			0.7	\$1,050.00
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	\$800.00	1		1		\$800.00						
2503.602	SADDLE TAP FOR 1.25" HDPE TO 8" PVC	EACH	\$1,000.00	12					7.8	\$7,800.00			4.2	\$4,200.00
2503.602	8"x4" PVC WYE	EACH	\$750.00	8					5.2	\$3,900.00			2.8	\$2,100.00
2503.603	4" PVC PIPE SEWER	LIN FT	\$30.00	395					256.7	\$7,701.00			138.3	\$4,149.00
2503.603	8" PVC PIPE SEWER	LIN FT	\$35.00	1897					1233	\$43,155.00			664	\$23,240.00
2503.603	TELEWISE 8" SANITARY SEWER	LIN FT	\$1.50	1897					1233	\$1,849.50			664	\$996.00
2503.603	1.25" HDPE PIPE SEWER	LIN FT	\$30.00	680					442	\$13,260.00			238	\$7,140.00
2503.604	4" INSULATION	SQ YD	\$30.00	25					16.3	\$489.00			8.7	\$261.00
2504.604	4" POLYSTYRENE INSULATION	SQ YD	\$30.00	7		7		\$213.00						
2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	\$400.00	28.5		28.5		\$11,400.00						
2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	\$500.00	20.4		20.4		\$10,200.00						
2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	\$650.00	6		6.0		\$3,900.00						
2506.501	CONST DRAINAGE STRUCTURE DESIGN SPECIAL	LIN FT	\$250.00	108.3					70.4	\$17,600.00			37.9	\$9,475.00
2506.501	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	\$300.00	160.4		160.4		\$48,120.00						
2506.501	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	\$425.00	56.1		56.1		\$23,842.50						
2506.501	CONST DRAINAGE STRUCTURE DES 66-4020	LIN FT	\$500.00	35.7		35.7		\$17,850.00						
2506.501	CONST DRAINAGE STRUCTURE DES 78-4020	LIN FT	\$700.00	7.4		7.4		\$5,180.00						
2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 1	EACH	\$9,000.00	1		0.6		\$5,400.00	0.2	\$1,800.00	0.2	\$1,800.00		
2506.503	RECONSTRUCT DRAINAGE STRUCTURE	LIN FT	\$500.00	66.8	66.8			\$33,400.00						
2506.516	CASTING ASSEMBLY	EACH	\$700.00	61		52		\$36,400.00	5.9	\$4,130.00			3.1	\$2,170.00
2506.521	INSTALL CASTING	EACH	\$400.00	10	10			\$4,000.00						
2506.522	ADJUST FRAME & RING CASTING	EACH	\$500.00	2	2			\$1,000.00						
2511.501	RANDOM RIPRAP CLASS II	CU YD	\$70.00	112.2	4.9	71.3		\$5,334.00	18	\$1,260.00	18	\$1,260.00		
2511.501	RANDOM RIPRAP CLASS III	CU YD	\$70.00	17.4		17.4		\$1,218.00						
2511.515	GEOTEXTILE FILTER TYPE IV	SQ YD	\$3.00	441	22.9	294.5		\$952.20	61.6	\$184.80	61.6	\$184.80		
2521.501	6" CONCRETE WALK	SQ FT	\$10.00	630	314			\$3,140.00	158	\$1,580.00	158	\$1,580.00		
2521.511	3" BITUMINOUS WALK	SQ FT	\$2.00	39050	24030			\$48,060.00	7510	\$15,020.00	7510	\$15,020.00		
2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	\$16.00	8090	4044			\$64,704.00	2023	\$32,368.00	2023	\$32,368.00		
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$50.00	620	620			\$31,000.00						
2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$55.00	540	540			\$29,700.00						
2531.618	TRUNCATED DOMES	SQ FT	\$50.00	48	24			\$1,200.00	12	\$600.00	12	\$600.00		

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL PROJECT QUANTITIES	S.A.P. 082-613-033			CITY OF LAKE ELMO		CITY OF OAKDALE			
					WASHINGTON COUNTY			NON-PART	SHARE	S.A.P. 185-020-003			
					ESTIMATED	ROADWAY	STORM			SHARE	PART	SHARE	NON-PART
2540.602	MAIL BOX SUPPORT	EACH	\$150.00	40	40		\$6,000.00						
2540.618	INSTALL BRICK PAVERS	SQ FT	\$20.00	150	150		\$3,000.00						
2545.602	INSTALL LIGHTING UNIT	EACH	\$1,000.00	2	2		\$2,000.00						
2554.501	TRAFFIC BARRIER DESIGN B8338	LIN FT	\$30.00	100	50		\$1,500.00	25	\$750.00	25	\$750.00		
2554.509	GUIDE POST TYPE B	EACH	\$55.00	14	2	9.6	\$638.00	1.2	\$66.00	1.2	\$66.00		
2554.523	END TREATMENT-TANGENT TERMINAL	EACH	\$3,000.00	2	1		\$3,000.00	0.5	\$1,500.00	0.5	\$1,500.00		
2557.603	INSTALL WOODEN FENCE	LIN FT	\$50.00	55	55		\$2,750.00						
2563.601	TRAFFIC CONTROL	LUMP SUM	\$100,000.00	1	0.9		\$88,000.00	0.06	\$6,000.00	0.06	\$6,000.00		
2563.610	FLAGGER	HOURL	\$70.00	1200	1056		\$73,920.00	72	\$5,040.00	72	\$5,040.00		
2564.531	SIGN PANELS TYPE C	SQ FT	\$40.00	247.700	247.7		\$9,908.00						
2564.537	INSTALL SIGN TYPE C	EACH	\$200.00	2	2		\$400.00						
2564.537	INSTALL SIGN TYPE D	EACH	\$200.00	1	1		\$200.00						
2564.537	INSTALL SIGN TYPE SPECIAL	EACH	\$200.00	2	2		\$400.00						
2564.552	OBJECT MARKER TYPE X4-5	EACH	\$100.00	4	1		\$100.00	1.8	\$180.00	0.5	\$50.00	0.7	\$70.00
2564.602	INSTALL MARKER	EACH	\$200.00	7		7	\$1,400.00						
2564.602	INFILTRATION AREA MARKER X3-6A	EACH	\$100.00	3		1.8	\$180.00	0.6	\$60.00	0.6	\$60.00		
2564.618	CONSTRUCTION SIGNS-SPECIAL	SQ FT	\$44.00	100	88		\$3,872.00	6	\$264.00	6	\$264.00		
2572.501	TEMPORARY FENCE	LIN FT	\$10.00	500	500		\$5,000.00						
2572.502	CLEAN ROOT CUTTING	LIN FT	\$5.00	500	500		\$2,500.00						
2573.502	SILT FENCE, TYPE MS	LIN FT	\$2.50	6330	5612		\$14,030.00	359	\$897.50	359	\$897.50		
2573.530	STORM DRAIN INLET PROTECTION	EACH	\$200.00	51	45		\$9,000.00	3	\$600.00	3	\$600.00		
2573.533	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$3.50	1010	894		\$3,129.00	58	\$203.00	58	\$203.00		
2573.535	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$2,500.00	1	1		\$2,200.00	0.06	\$150.00	0.06	\$150.00		
2573.560	CULVERT END CONTROLS	EACH	\$300.00	5	4		\$1,200.00	0.5	\$150.00	0.5	\$150.00		
2574.508	FERTILIZER TYPE 3	POUND	\$1.50	970	970		\$1,455.00						
2574.508	FERTILIZER TYPE 4	POUND	\$5.00	170	170		\$850.00						
2574.525	FILTER TOPSOIL BORROW	CU YD	\$60.00	1050		630	\$37,800.00	210	\$12,600.00	210	\$12,600.00		
2574.575	SUBSOILING	ACRE	\$1,500.00	0.3		0.2	\$270.00	0.06	\$90.00	0.06	\$90.00		
2574.578	SOIL BED PREPARATION	ACRE	\$1,000.00	5	5		\$4,800.00						
2575.501	SEEDING	ACRE	\$400.00	2	2		\$880.00						
2575.502	SEED MIXTURE 25-151	POUND	\$20.00	160	160		\$3,200.00						
2575.502	SEED MIXTURE 33-261	POUND	\$50.00	20	12		\$600.00	4	\$200.00	4	\$200.00		
2575.502	SEED MIXTURE 35-221	POUND	\$50.00	20	20		\$1,000.00						
2575.505	SODDING TYPE LAWN	SQ YD	\$20.00	33	10	23	\$660.00						
2575.505	SODDING TYPE SALT TOLERANT	SQ YD	\$8.00	12670	12670		\$101,360.00						
2575.523	EROSION CONTROL BLANKETS CATEGORY 0	SQ YD	\$6.00	1270	762		\$4,572.00	254	\$1,524.00	254	\$1,524.00		
2575.523	EROSION CONTROL BLANKETS CATEGORY 3N	SQ YD	\$2.00	8740	8216		\$16,432.00	262	\$524.00	262	\$524.00		
2575.571	RAPID STABILIZATION METHOD 3	M GALLON	\$250.00	100	88		\$22,000.00	6	\$1,500.00	6	\$1,500.00		
2582.501	PAVT MSSG PREF TAPE GR IN	SQ FT	\$50.00	170	170		\$8,500.00						
2582.502	4" SOLID LINE PAINT	LIN FT	\$0.50	60	60		\$30.00						
2582.502	4" DBLE SOLID LINE PAINT	LIN FT	\$1.00	70	70		\$70.00						
2582.502	4" SOLID LINE EPOXY GR IN (WR)	LIN FT	\$1.00	23290	23290		\$23,290.00						
2582.502	24" SOLID LINE EPOXY GR IN (WR)	LIN FT	\$15.00	180	180		\$2,700.00						
2582.502	4" BROKEN LINE EPOXY GR IN (WR)	LIN FT	\$1.00	620	620		\$620.00						
2582.502	8" DOTTED LINE EPOXY GR IN (WR)	LIN FT	\$2.50	230	230		\$575.00						
2582.502	4" DBLE SOLID LINE EPOXY GR IN (WR)	LIN FT	\$2.50	6510	6510		\$16,275.00						
2582.502	24" SOLID LINE PREF THERMO GR IN	LIN FT	\$20.00	70	70		\$1,400.00						
ESTIMATED TOTAL CONSTRUCTION COST				\$3,790,266.40	\$3,190,948.30			\$328,120.80	\$204,901.30		\$66,296.00		