

STAFF REPORT

DATE: December 4, 2018

CONSENT

ITEM #: 11

AGENDA ITEM: Lake Elmo Avenue (CSAH17) Phase 3 Pavement and Drainage Improvements –

Approve Concurrence to Award a Construction Contract and Approve a Revised

Cooperative Cost Share Agreement No. 11802

SUBMITTED BY: Jack Griffin, City Engineer

REVIEWED BY: Kristina Handt, City Administrator

Rob Weldon, Public Works Director Chad Isakson, Assistance City Engineer

<u>ISSUE BEFORE COUNCIL</u>: Should the City Council concur with Washington County to award a construction contract and approve a revised Cooperative Agreement No. 11802 with Washington County for the Design and Construction for the Lake Elmo Avenue (CSAH17) Phase 3 Pavement and Drainage Improvements?

<u>BACKGROUND</u>: The Lake Elmo Avenue (CSAH17) Phase 3 Pavement and Drainage Improvements includes a full-depth reclaim pavement rehabilitation from I-94 to 20th Street, including the construction of new turn lanes at 5th Street North (Hunters Crossing & Southwind developments), at 24th Street North (new entrance for Royal Golf), and along CSAH 10 at the new Royal Golf entrance. Between 20th Street North and 30th Street North, the improvements will also include a full-depth reclaim pavement rehabilitation, however new concrete curb and gutter will be installed to replace existing bituminous curb along the east side and to replace a rural section shoulder along the west side. Stormwater runoff will be captured and conveyed by the new concrete cub and gutter to various sump manholes to pretreat the storm water runoff prior to discharging to Lake Elmo.

At the April 3, 2018 council meeting the City Council approved Resolution No. 2018-035 providing City support for the preliminary design layout for the Lake Elmo Avenue (CSAH17) Phase 3 Pavement and Drainage Improvements. With this approval the County proceeded with the final project design and property acquisition, and received contractor bids with the intention to construct the improvements in 2018. However, bids received were deemed too high at the time and the bids were rejected.

PROPOSAL DETAILS/ANALYSIS: Washington County rebid the project on November 27, 2018 and is recommending an award of contract to the lowest responsible bidder in the amount of \$3,820,315.

On June 19, 2018 the City Council approved the Cost Share and Maintenance Cooperative Agreements with Washington County for the project and approved a Resolution establishing No On-Street Parking Zones to meet State Aid design requirements. The purpose for the Cooperative Agreements are to outline the cost participation requirements by the City and to address the respective ownership and maintenance responsibilities for the new improvements. Key elements of the agreements are as follows:

- The County shall be responsible for implementing the project including design and construction.
- The estimated cost share participation by Lake Elmo is \$672,230. These costs are based on estimated quantities. See cost breakdown below under Fiscal Impacts.

- The agreement includes a payment schedule with three City payments. 1) 10% of City cost share due upon the bid award (December 2018). 2) 50% of City cost share due August 1, 2019. 3) 50% of City cost share due February 1, 2020.
- There are no new maintenance responsibilities for the City. The City currently owns and operates a trunk watermain, gravity sanitary sewer main and sanitary sewer forcemain within County right-of-way. The Cooperative Maintenance Agreement specifies that the City shall own and maintain, under this project, the municipal utilities, including sanitary sewer, forcemain, and water main, and all permanent roadway signing on City roads.
- The County will be responsible for the maintenance for all other improvements including the storm sewer trunk line, catch basins and sump manholes.

The Cooperative Agreement has been revised to address an updated payment schedule due to the delayed construction from 2018 to 2019 and has been updated with the Post-Bid project costs.

FISCAL IMPACT: The estimated total project cost is \$4,487,200 with the City post-bid cost share participation estimated to be \$672,230. Because the agreement is based on estimated quantities, the actual cost share is determined once the project is complete and the final quantities and costs are known. The City estimated costs are shown below for the various related improvements.

CSAH 10 Turn Lane (Royal Golf Club): \$342,200	To be reimbursed by Royal Golf.
CSAH 17 Turn Lane (Royal Golf Club): \$208,100	To be reimbursed by Royal Golf.
CSAH 17 Turn Lane at 5 th Street: \$ 50,000	\$50,000 received Southwind/Hunters Crossing.
CSAH 17 Street & Drainage Cost Share: \$ 56,800	Includes 10% VBWD grant contribution.
City Utilities Cost Share: \$ 15,130	Watermain/Sewer Forcemain Adjustments

City cost participation is based on 50% cost share for the west side concrete curb and gutter between 20th Street and 30th Street, miscellaneous project overhead costs, and 55% cost share for right-of-way costs. In addition, the County will require cost reimbursement from the City for turn lanes at 5th Street North (Hunters Crossing/Southwind), 24th Street North (Royal Golf), and along CSAH 10 (Royal Golf). The City has included language in the respective development agreements to obtain turn lane cost reimbursement.

RECOMMENDATION: Staff is recommending that the City Council, as part of the Consent Agenda, concur with Washington County to award a construction contract and approve the revised Cooperative Agreement No. 11802 with Washington County for Design and Construction for the Lake Elmo Avenue (CSAH17) Phase 3 Pavement and Drainage Improvements. If removed from the consent agenda, the recommended motion for the action is as follows:

"Move to approve Resolution No. 2018-133 concurring with Washington County to award a construction contract and approving the revised Cooperative Agreement 11802 with Washington County for the Design and Construction for the Lake Elmo Avenue (CSAH17) Phase 3 Pavement and Drainage Improvements."

ATTACHMENTS:

- 1. Resolution Concurring with Washington County to Award a Construction Contract and Approving a Revised Cooperative Agreement 11802.
- 2. Revised Cooperative Agreement 11802 for Cost Sharing.

CITY OF LAKE ELMO WASHINGTON COUNTY STATE OF MINNESOTA

RESOLUTION NO. 2018-133 A RESOLUTION CONCURRING WITH WASHINGTON COUNTY TO AWARD A CONSTRUCTION CONTRACT AND APPROVING COOPERATIVE AGREEMENT 11802 FOR THE LAKE ELMO AVENUE (CSAH 17) PHASE 3 PAVEMENT AND DRAINAGE IMPROVEMENTS

WHEREAS, the County intends to construct County State Aid Highway (CSAH) 17 from I-94 to 300' south of 30th Street in the City of Lake Elmo; and

WHEREAS, the County intends to construct County State Aid Highway (CSAH) 10 from 2200' east of County State Aid Highway (CSAH) 15 to 700' east of County State Aid Highway (CSAH) 15 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 County desires to use local funds and State Aid funds 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 the revised Cooperative Agreement 11802 between the City of Lake Elmo and Washington County is hereby approved, and the Mayor and City Administrator are hereby authorized to execute the revised agreement on behalf of the City of Lake Elmo.

CITY OF LAKE ELMO

ADOPTED BY THE LAKE ELMO CITY COUNCIL ON THE FOURTH DAY OF DECEMBER, 2018.

	By: Mike Pearson
(Seal)	Mayor
ATTEST:	Mayor
Julie Johnson City Clerk	

COOPERATIVE AGREEMENT BETWEEN THE CITY OF LAKE ELMO AND WASHINGTON COUNTY FOR CONSTRUCTION COST OF COUNTY STATE AID HIGHWAY (CSAH) 17 FROM I-94 TO 300' SOUTH OF 30TH STREET AND COUNTY STATE AID HIGHWAY (CSAH) 10 FROM to 2200' EAST OF CSAH 15 TO 700' EAST OF CSAH 15

WASHINGTON COUNTY												
CONTRACT NO.	11802											
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 construct County State Aid Highway (CSAH) 17 from I-94 to 300' south of 30th Street; and

WHEREAS, the County intends to construct County State Aid Highway (CSAH) 10 from 2200' east of County State Aid Highway (CSAH) 15 to 700' east of County State Aid Highway (CSAH) 15; 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 County desires to use local funds and State Aid 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 Construction Cost and Cost Splits).

B. PLANS AND SPECIFICATION PREPARATION

- 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 numbers have been assigned to the project: SAP 082-617-011 (CSAH 17) AND 082-610-016 (CSAH 10).

C. RIGHT OF WAY AND EASEMENTS

1. The County shall acquire all permanent rights of way, permanent easements, and temporary slope easements, which will be acquired in the name of the County.

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

Once bids are received, the City will be given the opportunity to review and evaluate the bid and provide City Council concurrence on the approval of the bids. Once City concurrence is provided, 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

The City's cost participation is set forth in Table 1 and is broken down into four categories which are: 1) Construction; 2) Design Engineering; 3) Construction Engineering/Contract Administration; 4) Right of Way. The cost participation breakdown is based on "Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects".

1. Construction

Construction costs shall be the cost to construct the project. The County has prepared a statement of estimated quantities and cost splits hereto attached as Exhibit B. The City shall pay to the County its share of the total cost as shown in Exhibit B and set forth 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 shall be professional design engineering services, project coordination, preparation of plans and specification, stakeholder engagement, geotechnical studies, and other administrative functions necessary for the project. Based on the City's share of the construction cost, the City shall pay the prorated cost of design engineering for the entire project as set forth in Table 1.

3. Construction Engineering/Contract Administration

Construction engineering/contract administration costs shall be 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. Construction engineering/contract administration is 8% of the construction cost. Based on the City's share of the construction cost, the City shall pay the prorated cost of construction engineering/contract administration as set forth in Table 1.

4. Right of Way

Right of Way costs shall be 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. If applicable, the City shall pay their share of the final right of way cost. The estimated amount is set forth in Table 1.

	TABLE 1 – ESTIMATED COSTS City of Lake Elmo Cost Summary														
ITEM	TOTAL COST	CITY SHARE	CITY COST												
Construction	\$3,870,315	14.66%	\$567,491												
Design Engineering	\$357,500	17.95%	\$64,158												
Construction Engineering/Contract Administration	\$305,625	13.47%	\$41,399												
Right of Way	\$10,000	55%	\$5,500												
VBWD Grant	(\$6,240)	100%	(\$6,318)												
TOTAL ESTIMATED COST	\$4,537,200		\$672,230												

- 5. The costs and shares attributable to the City and payable to the County as shown in Table 1 are merely estimated and a final reconciliation of costs as set forth in Section G below shall be done at the end of the project. Actual City costs and shares are based on the following:
 - a. Construction shall be based on the contractor's unit prices and final quantities at project completion including all contract changes.
 - b. Design engineering shall be based on the contractor's unit prices at the time of contract award.
 - c. Construction engineering/contract administration shall be based on the contractor's unit prices at the time of contract award.
 - d. Right of way shall be based on the final costs to acquire right of way.

G. PAYMENT

1. Right of way, preliminary design, final design, construction inspection/administration and construction costs for the City's cost share shall be invoiced by the County to the City with no interest. The payment due dates are presented on Table 2.

TABLE 2 – PAYMENT DUE DATES													
Date	Percentage	Estimated Payment											
Bid Award	10% of Estimated Total City Cost	\$67,223											
August 1, 2019	50% of Estimated Total City Cost	\$336,115											
February 1, 2020	Remaining Estimated Total City Cost	\$268,892											

- 2. 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.
- 3. The City shall pay 100 percent of an undisputed invoice amount within thirty (30) days of receipt.

H. CONTRACT CHANGES

Any modifications or additions to the final approved plans and/or specifications of the project shall be made part of the construction contract through a written amendment to the construction contract and the cost for such changes shall be appropriated as set forth in Section F. of this Agreement.

I. LIQUIDATED DAMAGES

Any liquidated damages 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 special assessment of County property 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

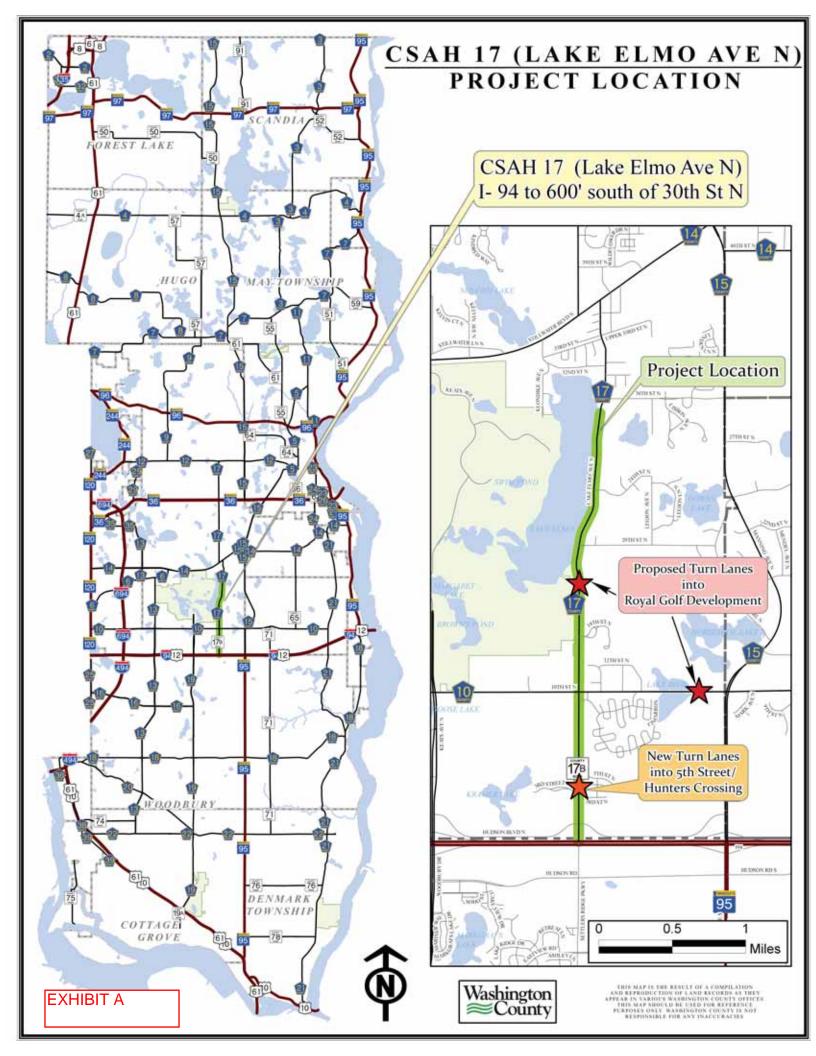
- 1. The City agrees that it will defend, indemnify and hold harmless the County against any and all liability, loss, damages, costs and expenses which the County may hereafter sustain, incur or be required to pay by reason of any negligent act by the City, its agents, officers or employees during the performance of this agreement.
- 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 PRACTICES

All data collected, created, received, maintained, 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.

oard of Commissioners olly O'Rourke ounty Administrator pproved as to form:		CITY OF LAKE ELMO	
Chair Board of Commissioners	Date	Mayor	Date
Molly O'Rourke County Administrator	Date	City Administrator	Date
Approved as to form:		Approved as to form:	
Assistant County Attorney	 Date	City Attorney	Date



11/27/2018		1																									
					RECONSTRUCTION RECONDITIONING												RECONDITIONING										
ITEM NO.	ITEM DESCRIPTION	UNIT	p	TOTAL ESTIMATED	D TOTAL	S.A.P. 08		2-617-011			CITY F	PW-010				S.A.P. 08	32-617-011			S.A.P. 0	82-610-016			CP ·	18-31706		
1	TEM DESCRIPTION	ONIT	UNIT COST	QUANTITY	ESTIMATED COST	ROA	DWAY	DRAINAGE		ROADWAY		UTILITES		ROADWAY		DRAINAGE		CSAH17 TURN LANE		LANE CSAH10 TURN LANE		C.R. 17B		CITY UTILITIES			LANE TO 50TH ST N
						EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST E	EST. QUANT.	EST. COST	EST. QUANT	. EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST
2011.601 2016.601	VIBRATION MONITORING QUALITY MANAGEMENT SPECIAL - PAVER MOUNTED THERMAL PROFILE (PMTP) METHOD	LUMP SUM	\$17,000.00 \$8,000.00	1	\$17,000.00 \$8,000.00	0.35 0.24	\$5,950.00 \$1,920.00		\$2,550.00 \$880.00	0.02	\$340.00 \$160.00			0.29	\$4,930.00 \$1,680.00			0.08	\$1,360.00 \$480.00	0.11	\$1,870.00 \$560.00	0.29	\$2.320.00				
2016.601	QUALITY MANAGEMENT SPECIAL - INTELLIGENT COMPACTION	LUMP SUM	\$10,000.00	1	\$10,000.00	0.24	\$2,400.00	0.11	\$1,100.00	0.02	\$200.00			0.21	\$2,100.00			0.06	\$600.00	0.07	\$700.00	0.29	\$2,900.00				
2021.501 2031.502	MOBILIZATION FIELD OFFICE TYPE D	LUMP SUM LUMP SUM	\$165,000.00 \$18,500.00	1	\$165,000.00 \$18,500.00	0.24 0.24	\$39,600.00 \$4,440.00		\$18,150.00 \$2,035.00	0.02	\$3,300.00 \$370.00			0.21	\$34,650.00 \$3,885.00		-	0.06	\$9,900.00 \$1,110.00	0.07	\$11,550.00 \$1,295.00	0.29	\$47,850.00 \$5,365.00		\longrightarrow	\vdash	
2101.505	CLEARING	ACRE	\$4,250.00	0.26	\$1,105.00	0.11	\$467.50							0.05	\$212.50			0.05	\$212.50			0.05	\$212.50				
2101.505 2101.524	GRUBBING CLEARING	ACRE TREE	\$4,250.00 \$266.00	0.26 15	\$1,105.00 \$3,990.00	0.11 8	\$467.50 \$2,128.00							0.05	\$212.50			0.05	\$212.50 \$266.00			0.05 6	\$212.50 \$1,596.00			\vdash	
2101.524	GRUBBING PAVEMENT MARKING REMOVAL	TREE LIN FT	\$133.00	15	\$1,995.00 \$39,132.00	8 33950	\$1,064.00 \$24,444.00							20400	\$14.688.00			1	\$133.00			6	\$798.00				
2102.503 2104.502	REMOVE MANHOLE OR CATCH BASIN	EACH	\$0.72 \$685.00	54350 3	\$39,132.00	3	\$2,055.00							20400	\$14,000.00												
2104.502 2104.502	REMOVE PIPE APRON REMOVE SIGN TYPE C	EACH EACH	\$450.00 \$41.20	2 87	\$900.00 \$3,584.40	29	\$1,194.80							26	\$1,071.20					3	\$123.60	2 29	\$900.00 \$1,194.80				
2104.502	REMOVE SIGN TYPE D	EACH	\$200.00	2	\$400.00	23	\$1,134.00							1	\$200.00					J	\$123.00	1	\$200.00				
2104.502 2104.502	REMOVE SIGN TYPE SPECIAL REMOVE ENERGY ABSORBING TERMINAL	EACH EACH	\$105.00 \$285.00	3 4	\$315.00 \$1,140.00					3	\$315.00			4	\$1,140.00											\longrightarrow	
2104.502	SALVAGE SIGN PANEL TYPE C	EACH	\$41.20	2	\$82.40									2	\$82.40												
2104.502 2105.502	SALVAGE PIPE APRON SALVAGE METAL APRON	EACH EACH	\$325.00 \$450.00	2	\$1,300.00 \$900.00											2	\$900.00					4	\$1,300.00				
2104.502	SALVAGE SIGN TYPE C	EACH	\$41.20	3	\$123.60																	3	\$123.60				
2104.502 2104.503	SALVAGE SIGN TYPE D REMOVE BITUMINOUS CURB	EACH LIN FT	\$200.00 \$0.80	2 4998	\$400.00 \$3,998.40	4998	\$3,998.40															2	\$400.00				
2104.503 2104.503	REMOVE GUARDRAIL REMOVE PIPE CULVERTS	LIN FT LIN FT	\$3.35 \$12.75	551 1248	\$1,845.85 \$15,912.00	351	\$4,475.25							551 391	\$1,845.85 \$4,985.25							506	\$6,451.50				
2104.503	SALVAGE PIPE CULVERTS SALVAGE PIPE CULVERTS	LIN FT	\$17.00	70	\$15,912.00	351	\$4,475.25							391	\$4,905.25							70	\$1,190.00				
2104.503 2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT LIN FT	\$10.00 \$1.95	75 5350	\$750.00 \$10,432.50	75 473	\$750.00 \$922.35							210	\$409.50			1913	\$3,730.35	2640	\$5,148.00	114	\$222.30			-	
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$20.00	52	\$1,040.00	52	\$1,040.00							210	\$403.50			1313	ψ0,700.00	2040	\$5,140.00	114	ΨΖΖΣ.50				
2104.504 2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT REMOVE BITUMINOUS PAVEMENT	SQ YD SQ YD	\$10.50 \$4.05	243 26038	\$2,551.50 \$105,453.90	243 21911	\$2,551.50 \$88,739.55											1212	\$4,908.60	2580	\$10,449.00	335	\$1,356.75			\longrightarrow	
2104.601	HAUL SALVAGED MATERIAL	LUMP SUM	\$2,500.00	1	\$2,500.00	2.0	\$00,700.00							1	\$2,500.00			12.12	ψ1,000.00	2000	ψ10,110.00	555	ψ1,000.70				
2401.601 2105.507	REMOVE AND HAUL TREATED WOOD COMMON EXCAVATION (P)	LUMP SUM CU YD	\$310.00 \$19.25	1 1781	\$310.00 \$34,284.25									1	\$310.00							1781	\$34,284.25			\vdash	
2105.507	COMMON BORROW (CV) (P)	CU YD	\$22.50	1484	\$33,390.00	1100	********							1010					A10.000.00		*********	1484	\$33,390.00				
2106.507 2106.507	EXCAVATION - COMMON (P) EXCAVATION - SUBGRADE (P)	CU YD CU YD	\$16.50 \$17.50	7795 2237	\$128,617.50 \$39,147.50	4173	\$68,854.50							1212	\$19,998.00			1147 654	\$18,925.50 \$11,445.00		\$20,839.50 \$27,702.50				\longrightarrow		
2106.507 2106.507	GRANULAR EMBANKMENT (CV) SELECT GRANULAR EMBANKMENT (P)	CU YD CU YD	\$36.25 \$17.00	88 3296	\$3,190.00 \$56,032.00	44	\$1,595.00											44 1408	\$1,595.00 \$23,936.00	1000	\$32,096.00						
2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	\$3.10	6476	\$20,075.60	1037	\$3,214.70							2796	\$8,667.60			1639	\$5,080.90	1004	\$3,112.40						
2106.607 2118.507	EXCAVATION - SUBGRADE CORRECTION AGGREGATE SURFACING (CV) CLASS 1 MOD (P)	CU YD CU YD	\$53.00 \$65.00	88 1066	\$4,664.00 \$69,290.00	44 11	\$2,332.00 \$715.00							611	\$39.715.00			44	\$2,332.00	151	\$9.815.00	293	\$19.045.00			\longrightarrow	
2118.509	AGGREGATE SURFACING CLASS 2 (LIME ROCK)	TON	\$50.00	34	\$1,700.00		ψ/ 10.00							0	ψου, 10.00					.0.	\$0,010.00	34	\$1,700.00				
2118.509 2118.609	AGGREGATE SURFACING CLASS 5 AGGREGATE SURFACING SPECIAL	TON TON	\$32.25 \$38.00	109 49	\$3,515.25 \$1,862.00	49	\$1,862.00															109	\$3,515.25		\longrightarrow		
2123.601	UTILITY PROTECTION	HOUR	\$290.00	15	\$4,350.00	8 20	\$2,320.00							5	\$1,450.00					2	\$580.00						
2123.610 2123.610	TRACTOR MOUNTED BACKHOE STREET SWEEPER (WITH PICKUP BROOM)	HOUR HOUR	\$175.00 \$100.00	20 250	\$3,500.00 \$25,000.00	125	\$3,500.00 \$12,500.00							75	\$7,500.00			25	\$2,500.00	25	\$2,500.00						
2130.523 2131.604	WATER DUST PALLIATIVE	MGAL SQ YD	\$10.00 \$0.50	700 17895	\$7,000.00 \$8,947.50	350 17895	\$3,500.00 \$8,947.50							210	\$2,100.00			70	\$700.00	70	\$700.00					-	
2211.507	AGGREGATE BASE (CV) CLASS 5 (P)	CU YD	\$23.50	8979	\$211,006.50		\$130,613.00							6	\$141.00			716	\$16,826.00	1139	\$26,766.50		\$36,660.00				
2215.604 2231.509	FULL DEPTH RECLAMATION BITUMINOUS PATCHING MIXTURE	SQ YD TON	\$1.70 \$150.00	39216 100	\$66,667.20 \$15,000.00	50	\$7,500.00							21298	\$36,206.60							17918 50	\$30,460.60 \$7,500.00			\longrightarrow	
2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$3.05	4431	\$13,514.55		41,000.00													3505	\$10,690.25	926	\$2,824.30				
2233.504 2301.602	MILL BITUMINOUS SURFACE (3.0") DRILL & GROUT REINF BAR (EPOXY COATED)	SQ YD EACH	\$1.80 \$10.30	38404 8	\$69,127.20 \$82.40	8	\$82.40							21298	\$38,336.40							17106	\$30,790.80				
2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3;B)	TON	\$58.80	1814	\$106,663.20	4404	6000 445 50							0070	6444.007.00			000	640,000,05	4405	670 544 05	1814	\$106,663.20				
2360.509 2411.607	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C) CONCRETE STEPS	TON CU YD	\$68.25 \$927.00	17248 5	\$1,177,176.00 \$4,635.00	4134 5	\$282,145.50 \$4,635.00							6076	\$414,687.00			629	\$4Z,9Z9.Z5	1165	\$79,511.25	5244	\$357,903.00				
2451.507 2451.507	FINE AGGREGATE BEDDING (LV) FINE AGGREGATE BEDDING (CV)	CU YD CU YD	\$42.50 \$65.00	265 303	\$11,262.50 \$19,695.00				\$10,667.50 \$18,590.00							14 17	\$595.00 \$1,105.00										
2501.502	15" CS SAFETY APRON	EACH	\$545.00	4	\$2,180.00			200	\$10,000.00								ψ1,100.00					4	\$2,180.00				
2501.502 2501.502	17" SPAN CS SAFETY APRON 15" RC PIPE APRON	EACH EACH	\$578.00 \$1,730.00	6 3	\$3,468.00 \$5,190.00			3	\$5,190.00													6	\$3,468.00				
2501.502	18" RC PIPE APRON	EACH	\$1,780.00	10	\$17,800.00			2	\$3,560.00							2	\$3,560.00					·	\$10,680.00				
2501.502 2501.502	18" RC SAFETY APRON 21" RC PIPE APRON	EACH EACH	\$1,810.00 \$2,060.00	2 2	\$3,620.00 \$4,120.00			2	\$4,120.00													2	\$3,620.00				
2501.502 2501.502	24" RC PIPE APRON 15" CAS SAFETY APRON	EACH EACH	\$2,110.00 \$675.00	1 2	\$2,110.00 \$1,350.00			1	\$2,110.00							2	\$1,350.00										
2501.502	18" CAS SAFETY APRON	EACH	\$735.00	4	\$2,940.00											4	\$1,350.00 \$2,940.00										
2501.502 2501.502	INSTALL PIPE APRON INSTALL METAL APRON	EACH EACH	\$460.00 \$460.00	4 2	\$1,840.00 \$920.00											2	\$920.00					4	\$1,840.00				
2501.503	15" CS PIPE CULVERT	LIN FT	\$59.50	113	\$6,723.50																	113	\$6,723.50				
2500.503 2501.503	15" CAS PIPE CULVERT 18" CAS PIPE CULVERT	LIN FT LIN FT	\$85.75 \$57.85	16 70	\$1,372.00 \$4,049.50											16 70	\$1,372.00 \$4,049.50										
2501.503	18" RC PIPE CULVERT	LIN FT	\$85.30	261	\$22,263.30												,,,,,,,,,,,					261	\$22,263.30				
2501.503 2501.503	17" SPAN CS PIPE-ARCH CULVERT INSTALL PIPE CULVERT	LIN FT LIN FT	\$60.86 \$28.70	104 70	\$6,329.44 \$2,009.00																	104 70	\$6,329.44 \$2,009.00				
2501.502	21" SPAN CAS SAFETY APRON	EACH	\$771.00	1	\$771.00									02	\$0.404.0F	1	\$771.00										
2501.503 2503.503	18" RC PIPE CULVERT DESIGN 3006 CLASS IV 15" RC PIPE SEWER DES 3006 CL V	LIN FT LIN FT	\$66.25 \$49.50	93 1690	\$6,161.25 \$83,655.00			1690	\$83,655.00					93	\$6,161.25												
2503.503 2503.503	18" RC PIPE SEWER DES 3006 CL III 18" RC PIPE SEWER DES 3006 CL IV	LIN FT LIN FT	\$53.50 \$199.00	1407 10	\$75,274.50 \$1,990.00			1407 10	\$75,274.50 \$1,990.00																		
2503.503	21" RC PIPE SEWER DES 3006 CL III	LIN FT	\$61.40	380	\$23,332.00			380	\$23,332.00																		
2503.503 2503.503	21* RC PIPE SEWER DES 3006 CL IV 24* RC PIPE SEWER DES 3006 CL III	LIN FT LIN FT	\$205.00 \$81.35	5 39	\$1,025.00 \$3,172.65			5 39	\$1,025.00 \$3,172.65																		
2503.503	24" RC PIPE SEWER DES 3006 CL IV	LIN FT	\$110.00	14	\$1,540.00				\$1,540.00																		
2503.602 2503.602	CONNECT TO INPLACE CULVERT CONNECT TO EXISTING STORM SEWER	EACH EACH	\$1,000.00 \$1,000.00	3	\$3,000.00 \$3,000.00			3	\$3,000.00							3	\$3,000.00										
2503.603	CLEAN PIPE SEWER	LIN FT	\$61.80	53	\$3,275.40											53	\$3,275.40										

BID RESULTS CSAH 17 / CSAH 10 S.A.P. 082-617-011, S.A.P. 082-610-016 11/27/2018

11/27/2018																												
				RECONSTRUCTION									RECONDITIONING									RECONDITIONING						
ITEM NO.	ITEM DESCRIPTION	11607		TOTAL ESTIMATED	D TOTAL	S.A.P. 082-617-01					CITY P	W-010				S.A.P. 08	2-617-011			S.A.P. 0	82-610-016			СР	18-31706			
HEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	ESTIMATED COST	ROADWAY		DRAI	INAGE	ROAL	DWAY	UTILITES		ROADWAY		DRAINAGE		CSAH17	TURN LANE	IRN LANE CSAH10 TURN		С	.R. 17B	CITY	UTILITIES		ANE TO 50TH	
					EST		EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT	. EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	EST. QUANT.	EST. COST	
2503.604	4" INSULATION ADJUST HYDRANT	SQ YD EACH	\$37.00 \$2,800.00	125	\$4,625.00 \$11,200.00			118	\$4,366.00			1	60,000,00	•	\$5,600.00	7	\$259.00							1	\$2,800.00			
2504.602 2405.602	FURNISH AND INSTALL GATE VALUE BOX	EACH	\$2,800.00	4	\$6,000.00							-	\$2,800.00 \$6.000.00		\$5,600.00									1	\$2,800.00			
2504.602	ADJUST GATE VALVE	EACH	\$450.00	29	\$13,050.00	14	\$6,300.00						\$0,000.00	11	\$4,950.00			4	\$1,800.00									
2506.502	CASTING ASSEMBLY	EACH	\$950.00	62	\$58,900.00			62	\$58,900.00																			
2506.502 2506.503	ADJUST FRAME & RING CASTING	EACH LIN FT	\$975.00 \$506.00	8 56	\$7,800.00 \$28,336.00			3 56	\$2,925.00 \$28,336.00			1	\$975.00	2	\$1,950.00			1	\$975.00			1	\$975.00					
2506.503	CONST DRAINAGE STRUCTURE DESIGN H CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	\$455.00	231	\$105,105.00			231	\$28,336.00												1							
2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	\$760.00	32	\$24,320.00			32	\$24,320.00																			
2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	\$1,600.00	5	\$8,000.00			5	\$8,000.00																			
2506.602 2511.504	CONSTRUCT CONTROL STRUCTURE GEOTEXTILE FILTER TYPE 4	EACH	\$5,400.00	7	\$37,800.00			7	\$37,800.00							100	©E04.00											
2511.504	RANDOM RIPRAP CLASS II	SQ YD CU YD	\$3.00 \$118.00	333 21	\$999.00 \$2,478.00			135	\$405.00							198	\$594.00				1	21	\$2,478.00					
2511.507	RANDOM RIPRAP CLASS III	CU YD	\$118.00	86	\$10,148.00			35	\$4,130.00							51	\$6,018.00						42,					
2512.507	RANDOM RIPRAP CLASS IV	CU YD	\$118.00	38	\$4,484.00		\$3,540.00							8	\$944.00													
2531.503 2531.503	CONCRETE CURB & GUTTER DESIGN B424 CONCRETE CURB & GUTTER - MANUAL PLACEMENT	LIN FT LIN FT	\$14.95 \$30.90	9608 108	\$143,639.60 \$3,337.20	7206 108	\$107,729.70 \$3.337.20			2402	\$35,909.90																	
2531.503 2531.504	CONCRETE CURB & GUTTER - MANUAL PLACEMENT 6" CONCRETE DRIVEWAY PAVEMENT	LIN FT SQ YD	\$30.90 \$61.15	108 270	\$3,337.20 \$16,510.50	108 270	11111																					
2540.602	MAIL BOX SUPPORT	EACH	\$120.00	35	\$4,200.00	25	\$3,000.00															10	\$1,200.00					
2554.502	GUIDE POST TYPE B	EACH	\$77.25	8	\$618.00																	8						
2554.502 2554.502	ANCHORAGE ASSEMBLY - PLATE BEAM END TREATMENT- TANGENT TERMINAL	EACH EACH	\$824.00 \$2,884.00	3 5	\$2,472.00 \$14,420.00									4	\$11,536.00							3	\$2,472.00 \$2,884.00					
2554.503	TRAFFIC BARRIER DESIGN TYPE 31	LIN FT	\$2,004.00	1646	\$37,364.20									525	\$11,536.00							1121						
2554.503	TRAFFIC BARRIER DESIGN B8307	LIN FT	\$27.30	88	\$2,402.40																	88	,					
2554.503	PERMANENT BARRICADES	EACH	\$567.00	1	\$567.00		20.01.11				2107.77			1	\$567.00				0.00									
2563.601 2563.601	TRAFFIC CONTROL SUPERVISOR TRAFFIC CONTROL	LUMP SUM LUMP SUM	\$9,270.00 \$115.000.00	1	\$9,270.00 \$115.000.00	0.24	\$2,224.80 \$27.600.00		\$1,019.70 \$12.650.00		\$185.40 \$2.300.00			0.21	\$1,946.70 \$24.150.00			0.06	\$556.20 \$6.900.00	0.07	\$648.90 \$8.050.00		\$2,688.30 \$33,350.00					
2563.601	ALTERNATE PEDESTRAIN ROUTE	LUMP SUM	\$6,700.00	1	\$6,700.00	0.24	\$27,600.00	0.11	\$12,650.00	0.02	\$2,300.00			0.21	\$1,943.00			0.08	\$536.00	0.07	\$8,050.00	0.29	ψυυ,ου0.00					
2563.602	FLEXIBLE DELINEATOR TYPE A	EACH	\$36.00	17	\$612.00			8	\$288.00							9	\$324.00											
2563.610	FLAGGER	HOUR	\$76.00	600	\$45,600.00	200																400.00	\$30,400.00					
2563.610 2363.613	POLICE OFFICER DODTABLE CHANGEARI E MESSAGE SIGN	HOUR UDAY	\$125.00 \$128.75	20 41	\$2,500.00 \$5,278.75	20 21	\$2,500.00 \$2,703.75															20.00	\$2,575.00					
2363.613 2563.618	PORTABLE CHANGEABLE MESSAGE SIGN CONSTRUCTION SIGN - SPECIAL	SQ FT	\$128.75 \$21.65	41 641	\$5,278.75 \$13,877.65		\$2,703.75							491	\$10.630.15							20.00	\$2,575.00					
2564.502	INSTALL SIGN PANEL TYPE C	EACH	\$140.00	5	\$700.00		\$3,E11.00							2	\$280.00							3	\$420.00					
2564.502	INSTALL SIGN PANEL TYPE D	EACH	\$170.00	2	\$340.00																	2	\$340.00					
2564.518	SIGN PANELS TYPE C	SQ FT	\$37.60	673	\$25,304.80	236	\$8,873.60							216	\$8,121.60			13	\$488.80	74	\$2,782.40	134	\$5,038.40					
2564.518 2564.518	SIGN PANELS TYPE D SIGN PANELS TYPE SPECIAL	SQ FT SQ FT	\$43.80 \$41.00	107 48	\$4,686.60 \$1,968.00					48	\$1,968.00			48	\$2,102.40					43	\$1,883.40	16	\$700.80					
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$2,000.00	1	\$2,000.00	1	\$2,000.00			70	\$1,300.00																	
2573.502	STORM DRAIN INLET PROTECTION	EACH	\$135.00	58	\$7,830.00	58	\$7,830.00																					
2573.502	CULVERT END CONTROLS	EACH	\$250.00	8	\$2,000.00	3	\$750.00							5	\$1,250.00					0500	60 (00 75	47.10	60.000 75					
2573.503 2573.503	SILT FENCE, TYPE MS SEDIMENT CONTROL LOG TYPE COMPOST	LIN FT LIN FT	\$1.75 \$2.15	14294 9382	\$25,014.50 \$20,171.30	4381 4892	\$7,666.75 \$10,517.80							4631 2431	\$8,104.25 \$5,226.65			2059	\$4,426.85	3533	\$6,182.75	1/49	\$3,060.75					
2573.503	SEDIMENT CONTROL LOG TYPE COMPOST SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$2.50	200	\$500.00	7032	\$10,017.00							2401	QU,ZZU.UJ			2005	ψ 1,720.00			200	\$500.00					
2573.503	SEDIMENT CONTROL LOG TYPE BLANKET SYSTEM	LIN FT	\$3.35	100	\$335.00																	100						
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	\$3,500.00	1	\$3,500.00	0.24	\$840.00	0.11	\$385.00	0.02	\$70.00			0.21	\$735.00			0.06	\$210.00	0.07	\$245.00	0.29						
2574.508 2574.508	FERTILIZER TYPE 3 FERTILIZER TYPE 4	POUND POUND	\$0.57 \$0.57	576 495	\$328.32 \$282.15	151 53	\$86.07 \$30.21							16 229	\$9.12 \$130.53			11 81	\$6.27 \$46.17	132	\$75.24	398	\$226.86					
2575.504	EROSION CONTROL BLANKETS CATEGORY 0	SQ YD	\$1.43	8591	\$12,285.13	827	\$1,182.61							4480	\$6,406.40			3284	\$4,696.12	.02	ψ. O. Σ4							
2575.504	EROSION CONTROL BLANKETS CATEGORY 3N	SQ YD	\$1.26	17504	\$22,055.04		\$6,181.56							4759	\$5,996.34			266	\$335.16	4664	\$5,876.64		\$3,665.34					
2576.504	EROSION CONTROL BLANKETS CATEGORY 4N	SQ YD	\$1.46	3439	\$5,020.94									183	\$267.18					668	\$975.28	2588						
2575.504 2575.505	RAPID STABILIZATION METHOD 4 SEEDING	SQ YD ACRE	\$1.55 \$87.55	2588 6.1	\$4,011.40 \$534.06	1.2	\$105.06							2.0	\$175.10			0.7	\$61.29	1.1	\$96.31	2588 1.1	\$4,011.40 \$96.31					
2575.508	SEED MIXTURE 25-121	POUND	\$3.54	53	\$187.62	46								4	\$175.10			3	\$10.62	1.1	φ30.31	1.1	ψου.ο ι					
2575.508	SEED MIXTURE 33-261	POUND	\$28.07	146	\$4,098.22	16	\$449.12							67	\$1,880.69			24	\$673.68	39	\$1,094.73							
2575.508	SEED MIXTURE 25-141	POUND	\$3.22	67	\$215.74																	67	4=10111					
2575.508 2575.523	SEED MIXTURE 33-361 RAPID STABILIZATION METHOD 3	POUND MGAL	\$29.98 \$437.75	0.5 33	\$14.99 \$14,445.75	11	\$4,815.25			6	\$2,626.50			6	\$2,626.50					6	\$2,626.50	0.5 4	\$14.99 \$1,751.00					
2580.603	INTERIM PAVEMENT MARKING	LIN FT	\$0.23	5209	\$1,198.07		\$22.54				QL,020.00			105	\$24.15					Ü	ψ2,020.00	_	\$1,751.00					
2582.503	4" SOLID LINE PAINT	LIN FT	\$0.23	27605	\$6,349.15		\$4,462.00							8205	\$1,887.15													
2582.503	4" DOUBLE SOLID LINE PAINT	LINFT	\$0.45	4665	\$2,099.25	40000	6E 000 00							4665	\$2,099.25			1000	\$5.40.00	2000	64 700 00	1/55	£705.70					
2582.503 2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR) 6" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT LIN FT	\$0.54 \$0.80	27760 12967	\$14,990.40 \$10,373.60	10900	\$5,886.00							11205 1295	\$6,050.70 \$1,036.00			1000	\$540.00	3200	\$1,728.00	1455 11672						
2582.503	24" SOLID MULTI-COMPONENT GROUND IN (WR)	LIN FT	\$0.76	2715	\$2,063.40									1230	\$1,036.00					1275	\$969.00	210						
2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	\$0.54	1983	\$1,070.82		\$345.60							420	\$226.80					100.00	\$54.00	823.00						
2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LINFT	\$1.07	10281	\$11,000.67	1625	\$1,738.75							4100	\$4,387.00					2950	\$3,156.50	1606						
2582.503 2582.518	24" SOLID LINE PREF THERMO GR IN PAVT MSSG PREF TAPE GR IN	LIN FT SQ FT	\$21.02 \$31.47	29 135	\$609.58 \$4,248.45																	29 135	\$609.58 \$4,248.45					
2582.518	PAVE MISSIGNEE THE FORM THERMOPLASTIC GROUND IN	SQ FT	\$22.87	165	\$3,773.55									60	\$1,372.20			60	\$1,372.20	45	\$1,029.15	100	ψ 1,270.40					
2582.603	PAVEMENT MARKING SPECIAL	LIN FT	\$5.15	40	\$206.00									40	\$206.00													
			·																									
1	TOTAL ESTIMATED CONSTRUCTION COST			\$3,820,31	15.04	\$983	,108.66	\$551,	576.35	\$47,8	78.80	\$9,77	75.00	\$787,	549.37	\$31,0	32.90	\$172	,816.96	\$284	,219.80	\$94	9,557.21	\$2	,800.00			
	CR 17 TURN LANE TO 50TH STREET N				\$50,000.00																					1	\$50,000.00	
	DESIGN ENGINEERING			1.00	\$357,500.00	0.34	\$122,547.60	0.19	\$68,755.73	0.02	\$5,968.24	0.00	\$1,218.48	0.27	\$98,170.52	0.01	\$3,868.35	0.06	\$21,542.18	0.10	\$35,428.89							
	CONSTRUCTION ENGINEERING		0.08	1.00	\$305,625.20	0.26	\$78,648.69	0.14	\$44,126.11	0.01	\$3,830.30	0.00	\$782.00	0.21	\$63,003.95	0.01	\$2,482.63	0.05	\$13,825.36	0.07	\$22,737.58	0.25	\$75,964.58	0.00	\$224.00			
	RIGHT OF WAY - 55% CITY, 45% COUNTY			1.00	\$10,000.00	0.45	\$4,500.00			0.55	\$5,500.00																	
	VBWD GRANT TOTAL ESTIMATED COST			1.00	-\$6,317.73	\$ 1.10	3,804.95	\$664	458.19	1.00	-\$6,317.73 59.61	¢44.7	75.48	\$0.49	723.84	\$27.2	83.88	\$200	,184.49	\$342,386.27		\$1,025,521.78		62	,024.00	\$50.0	00.00	
TOTAL ESTIMATED COST			\$4,557,12	\$4,537,122.50		5,004.50	\$004 ,	-30.19	\$30,8	\$56,859.61 \$11,775.48		13.40	\$948 ,	123.04	Φ37,3	03.00	\$208	,104.43	\$342	,500.27	\$1,0	20,021.70	\$3	024.00	\$3U,U	.00.00		