### RAMSEY COUNTY COOPERATIVE AGREEMENT WITH THE CITY OF ST. PAUL

Concrete Rehabilitation S.A.P. 062-630-013, S.A.P. 164-232-023, S.A.P. 164-178-003, S.A.P. 160-221-008, S.A.P. 138-596-001, North Oaks Local Funds Attachments: Engineers Estimate-Exhibit A Location Map

THIS AGREEMENT is between the City of St. Paul, Minnesota ("City") or ("City of St. Paul"), and Ramsey County, Minnesota ("County") or ("Ramsey County");

### WITNESSETH:

WHEREAS, the Cities of White Bear Lake, St. Paul, Roseville, New Brighton, Maplewood, Arden Hills, Shoreview, Vadnais Heights, North Oaks and Ramsey County desire to perform concrete rehabilitation, concrete grinding, pedestrian ramps and traffic signal systems at various locations in Ramsey County; and

WHEREAS, Larpenteur Avenue (CSAH 30), Old Highway 8 (CSAH 77, Parkway Drive (CSAH 27), White Bear Avenue (CSAH 65) and County Highway 96 (CSAH 96); and all are designated as Ramsey County State Aid Highway roads; and

WHEREAS, the Project is designated as eligible for STP funds in an amount up to \$2,678,502.00, the STP funds will be applied as a ratio of STP funds to total project cost and applied to the federally eligible pay items; and

WHEREAS, this project has been designated as eligible for County State Aid Highway funds (CSAH) and Municipal State Aid Funds (MSA), reimbursement as S.A.P. 062-630-013, S.A.P. 164-232-023, S.A.P. 164-178-003, S.A.P. 160-221-008, S.A.P. 138-596-001 and North Oaks Local Funds; and

WHEREAS, Larpenteur Avenue at the intersections of Victoria Street, Parkway Drive and Fernwood Street is in the City of St. Paul in Ramsey County; and

WHEREAS, preliminary study reports indicate it is feasible, practical and technically proper to provide for the concrete rehabilitation concrete grinding, pedestrian ramps and updating of traffic signal systems; and the Plans have been presented to the City of St. Paul; and

WHEREAS, a preliminary estimate of project costs has been prepared and attached to this agreement as Exhibit A "Cost Participation Summary";

NOW, THEREFORE, IT IS HEREBY MUTUALLY AGREED AS FOLLOWS:

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- 1. Ramsey County shall prepare the necessary plans, specifications, estimates and proposals in accordance with funding requirements to take bids for this project. Costs of project revisions after the completion of plans and specifications; will be paid for by the party requesting the revisions. Revisions must be consistent with State Aid requirements and are subject to Ramsey County approval.
- 2. All City of St. Paul owned rights of way and easements within the limits of the project for roads, utilities and storm water are hereby granted to Ramsey County for the project use during construction.
- 3. Ramsey County shall take bids, prepare an abstract of bids and cost participation summary and award a contract for the project. Prior to Ramsey County award of a contract, Ramsey County shall first receive concurrence from the City of St. Paul for award of the contract to the lowest responsible bidder.
- 4. Upon award of a construction contract Ramsey County shall perform or contract the performance of construction inspection.
- 5. Ramsey County and City of St. Paul shall participate, in principle, on the basis of construction costs and shares identified in accordance with Exhibit A, "Estimated Cost Participation Summary", attached and incorporated herein except as modified below. It is understood actual costs will be adjusted to reflect final construction elements as submitted to the City of St. Paul for approval at the time of final project completion.
- 6. The estimated construction cost of items is \$5,828,025.76. The costs will be paid by a combination of CSAH and City of St. Paul MSA, City of Roseville MSA funds, a City of Maplewood MSA funds and North Oaks Local funds.
- 7. Any utilities or facilities modified or added to those provisions presently made in the plans and specifications may be incorporated in the construction contract by supplemental agreement and shall be paid for as specified in the supplemental agreement. Design and construction engineering fees shall be negotiated at the time of supplemental agreement preparation.
- 8. The City of St. Paul shall pay to Ramsey County 33.33% of the cost of the traffic control signal system with APS and EVP on Larpenteur Ave at Victoria Street after the application of STP funds; the balance will be paid by Ramsey County. The traffic signals on Larpenteur Ave at the intersection at Victoria shall be maintained in accordance with a separate Agreement for Maintenance of Traffic Control Signals and EVP System PW2013-15.
- 9. The City of St. Paul shall pay to Ramsey County 37.50% of the cost of the traffic control signal system with APS and EVP on Larpenteur Ave at Parkway Drive; the City of Maplewood will pay 12.5% of the cost and the balance will be paid by Ramsey County after the application of STP funds. The traffic signals on Larpenteur Ave at the intersection at Parkway Drive shall be maintained in accordance with a separate Agreement for Maintenance of Traffic Control Signals and EVP System PW2013-14.

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- 10. The City of St. Paul shall pay to Ramsey County County 25% of the cost of the addition of APS to traffic control signal system located on Larpenteur Ave at Fernwood Street; the City of Roseville will pay 25% of the cost and the balance will be paid by Ramsey County after the application of STP funds. The signals on Larpenteur Ave at the intersection of Fernwood Street shall be maintained in accordance with the existing Agreement #89002 for Maintenance of Traffic Control Signals and EVP System.
- 11. The County and City shall cost-share for the pay items: Mobilization; Field Office; Traffic Control; and Erosion Control Supervisor. Participation will be determined based on a ratio of construction costs which will be distributed to the City and County as shown in the Engineer's Estimate Exhibit A attached
- 12. The City of St. Paul shall reimburse Ramsey County for engineering costs incurred on its share of project design and administration, as set forth in Exhibit A, as a design engineering fee. Said fee shall be 12% of item costs for which the City of St. Paul is responsible for, as determined at the time of contract award.
- 13. The City of St. Paul shall reimburse Ramsey County for engineering costs incurred on its share of project construction, as set forth in Exhibit A, as a construction engineering fee. Said fee shall be 12% of item costs for which the City of St. Paul is responsible for, as determined upon completion of the project.
- 14. Quantity distributions identified above are shown in Exhibit A. Actual Cost shall be based on the contractor's unit prices and the quantities constructed. Maplewood's, North Oak's and Roseville's concurrence to their respective responsibilities are provided for in separate agreements -- Ramsey County Agreement No. PW2013-11, PW2013-12 and PW2013-13; respectively.
- 15. All liquidated damages assessed to the contractor in connection with the work performed on the project shall result in a credit shared by the Cities of St. Paul, North Oaks, Roseville and Maplewood and by Ramsey County in the same proportion as their responsibility for the cost of the element of the project for with the liquidated damages were assessed.
- 16. The City of St. Paul shall not specially assess or otherwise recover any portion of its cost for this project through levy or special assessments on Ramsey County-owned property.
- 17. Throughout project design and construction, Ramsey County shall prepare partial cost and payment estimates for preliminary engineering fees, construction costs, and construction engineering fees and, at appropriate intervals, notify the City of St. Paul of its share of the costs for the City of St. Paul's items of work. City of St. Paul shall pay its share of engineering fees and construction costs within twenty-one calendar days of receipt of Ramsey County invoice.
- 18. The City of St. Paul shall pay to Ramsey County all additional remaining costs for its share of the work upon notification by Ramsey County of the final amounts due to the contractor.
- 19. All payments by the City of St. Paul shall be to the Treasurer of Ramsey County, Minnesota.

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- 20. The City of St. Paul and Ramsey County shall indemnify, defend and hold each other harmless against any and all liability, losses, costs, damages, expenses, claims, or actions, including attorney's fees, which the indemnified party, its officials, agents, or employees may hereafter sustain, incur, or be required to pay, arising out of or by reason of any act or omission of the indemnifying party, its officials, agents or employees, in the execution, performance, or failure to adequately perform the indemnifying party's obligation pursuant to this Agreement.

  Nothing in this Agreement shall constitute a waiver by Ramsey County or the City of St. Paul of any statutory or common law immunities, limits, or exceptions on liability.
- 21. This Agreement shall remain in full force and effect until terminated by mutual agreement of the City of St. Paul and Ramsey County.

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IN WITNESS WHEREOF, the parties have caused this Agreement to be executed.

WHEREFORE, this Agreement is duly executed on the last date written below.

### CITY OF ST. PAUL, MINNESOTA

By:	Date:
Mayor	
By Director of Public Works	Date:
Approved by the Office of Financial Services	
By:	
Approved as to Form	
City Attorney	

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### RAMSEY COUNTY

Julie Kleinschmidt, County Manager	
Date:	
Approval recommended:	
James E. Tolaas, Director Public Works Department	
Approved as to form and insurance:	
Assistant County Attorney	

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# INNESOTA DEPARTMENT OF TRANSPORTATION STATE PROJECT NO. 062-696-029

SYMBOLS

PLAN

THE SUBSURFACE BRIDGE LENGTH GROSS LENGTH EXCEPTIONS NET LENGTH 83 0 CONCRETE OR METAL) HEIGE RAILROAD COSSING SIGN RAILROAD CATE MEANDER CORNER SLOPE EASEMENT (CONST. LIMITS) STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTERN LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPERTY LINE
CORPORATE OR CITY LIMITS RAILROAD
RIGHT-OF-WAY WOOD FENCE BARBED WRE FENCE WOVEN WRE FENCE CHAIN LINK FENCE TIMBER WALL STONE WALL MONUMENT (STONE, C CONIFEROUS TREE RIVER OF CREEK CULVERT DECIDIOUS TREE BUSH OR SHRUB CATCH BASIN GUARDRAII WOODS MARSH

### UTILITY SYMBOL

88 R EXISTING HYDRANT CABLE TELEVISION—BURIED FIBER OPTIC CABLE TRAFFIC SIGNAL LINE TRAFFIC SIGNAL HAND HOLE UTILITY POLE
GUY OR ANCHOR
STREET LIGHT
TELEPHONE PEDESTAL
GAS MAIN
WATER MAIN
WATER MAIN
TELEPHONE CABLE
ELECTRIC CABLE
STORM SEWER
SEWER
SEWER
SEWER
SEWER
SEWER
CONTROLLER
CO

FOR PLANS AND UTILITIES SYMBOLS SEE MN/DOT TECHNICAL MANUAL.

## -GOVERNING SPECIFICATIONS-

THE 2005 EDITION OF MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL PARKWAY DRIVE STA. 98+50 CONFORM TO THE MMUTCD, INCLUDING FIELD MANUAL DESIGN
SEE HTTP://www.DOT.STATE.MN.US/TRAFFICENG/

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.





SCALES IN FEET 180.00 FEET 0.034 MILES 180.00 FEET 0.034 MILES 0.325 MILES 6572.00 FEET 1.245 MILES LARPENTEUR AVENUE

4855.00 FEET 0.920 MILES UTILITY INFORMATION IN 1717.00 FEET

THIS PLAN IS UTILITY QUALITY LEVEL "D".
THIS UTILITY QUALITY LEVEL WAS DETERMINED
ACCORDING TO THE GUIDELINES OF CI/ASCE
38-02, ENTITLED "STANDARD GUIDELINES FOR
THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
BEGIN SP. 062-696-029
C.S.A.H. 96 STATION 300+00



. 062-677-027) 8 STATION 800+00 8 STATION 801+80 362-677-027 OLD HIGHWAY OLD HIGHWAY

SP. 160-221-0 LARPENTEUR /

END EXCEPTION SP. 062-630-058 SP. 160-221-008, 164-232-023 — LARPENTEUR AVENUE STA. 21+00 SP. 160-221-008, LARPENTEUR AVE

END SP. 062-630-058 SP. 160-221-008, 164-232-023 LARPENTEUR AVENUE STA. 68+41

PRESENT ADT (2013) PROJECTED ADT (203 FUNCTIONAL CLASS

OLD HIGHWAY 8

841.00 FEET 0.159 MILES PARKWAY DRIVE

5,370.00 FEET 1.017 MILES WHITE BEAR AVENUE

5,370.00 FEET 1.017 MILES

0.159 MILES

841.00 FEET

PLAN REMSIONS

29,787.00 FEET 5.641 MILES COUNTY HIGHWAY 96

CONSTRUCTION PLAN FOR CONCRETE REHABILITATION, CONCRETE GRINDING, PEDESTRIAN RAMPS AND TRAFFIC SIGNAL SYSTEMS FOR: RAMSEY COUNTY 29,787.00 FEET 5.641 MILES

S.P. No. 062-696-029

Minnesota Project No. SPT

RAMSEY

S.P. No. 062-665-0507 WHITE BEAR AVENUE (CSAH 65) S.P. No. 062-630-058 LARPENTEUR AVENUE (CSAH 30) S.P. No. 062-696-029 COUNTY HIGHWAY 96 (CSAH 96) S.P. No. 164-232-023 LARPENTEUR AVENUE (CSAH 30) S.P. No. 160-221-008 LARPENTEUR AVENUE (CSAH 30) S.P. No. 062-677-027 OLD HIGHWAY 8 CSAH 77) S.P. No. 062-627-006 PARKWAY DRIVE (CSAH 27) S.P. No. 164-178-003 PARKWAY DRIVE (CSAH 27) S.P. No. 138-596-001 PARKWAY DRIVE (CSAH 27)

C.S.A.H. 96 STATION 597+87 WHITE BEAR AVE. STA. 208+20 WHITE BEAR AVE. STA. 154+50
AT VARIOUS LOCATIONS ON RAMSEY
COUNTY ROADS IN THE CITIES OF WHITE BEAR LAKE, ST, PAUL,
ROSEVILLE, NEW BRIGHTON,
MAPLEWOOD, ARDEN HILLS,
SHOREVIEW WHITE BEAR TOWNSHIP,
NORTH OAKS, AND VADNAIS HEIGHTS. BEGIN SP. 062-665-050 END SP. 062-665-050

SIGNAL DETAILS AND EXISTING LAYOUTS

SIGNAL SYSTEM C SIGNAL INTERCONNECT

SYSTEM B SIGNAL SYSTEM A

SIGNAL

77-81 82-86 87-91 92-95

INTERSECTION DETAIL SWPPP

DETAILS CONSTRUCTION LAYOUT

SIGNING & STRIPING

ESTIMATED QUANTITIES

DESCRIPTION

CONSTRUCTION NOTES

PPICAL SECTIONS

TABULATIONS

SP. 138-596-001, 164-178-003

PLAN CONTAINS 109 SHEETS I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGNEER UNDER THE LAWS OF THE STATE OF MINNESOTA. THIS PARKWAY DRIVE STA. 106+91

REG. NO. GERALD J AUGE JR RECOMMENDED FOR APPROVAL

CITY OF ST. PAUL

CITY OF NEW BRIGHTON APPROVED APPROVED APPROVED

CITY OF WHITE BEAR LAKE CITY OF ARDEN HILLS APPROVED

DATE CITY OF VADNAIS HEIGHTS APPROVED APPROVED MINNESOTA DEPARTMENT OF TRANSPORTATION

STATE AID ENGINEER

138-596-001, 160-221-008, 164-178-003, 164-232-023

1 of 109 Sheets

STRIPING PLAN INDEX MAP PLAN

008, 164-232-023 AVENUE STA. 3+83

BEGIN EXCEPTION SP. 062-630-058

08, 164-232-023 VENUE STA. 2+69 BEGIN SP. 062-630-058

13,500 20,250 MINOR ARTERIAL BASED ON STOPPING DISTANCE HEIGHT OF EYE: 3.50 FEET HEIGHT OF OBJECT: 2.00 FEET TRAFFIC LANES PARKING LANES

DESIGN SPEED NOT ACHIEVED AT STA NA TO STA NA

A. MEIDL, ORANN BY D. BODELSON, J. KAPOUN DATE 5-9-13 CHECKED BY B. ESSLER

999

DISTRICT STATE AID ENGINEER
REVIEWED FOR COMPLANCE WITH STATE—AID AND FEDERAL AID RULES/POLICY

TO CENTERVILLE RD.

US 10

36,075 MINOR ARTERIAL

MINOR ARTERIAL

13,875

12,075 MINOR ARTERIAL

10,725 MINOR ARTERIAL

COUNTY HIGHWAY 96

WHITE BEAR AVENUE

COUNTY RD F

LARPENTEUR AVE

PARKWAY DRIVE

OLD HIGHWAY 8 SOUTH OF

JARPENTEUR AVENUE FERNWOOD STREET TO 700' NORTH

COUNTY ROAD E

TO US 61

Sheet No.

			ENGINE	ER'S EST	IMATE																	F	EXHIBIT A		
2013 CONCRETE DEHABII	013 CONCRETE REHABILITATION PROJECTS								S.A.P. 062	020.042		PART	TICIPATING: MATCH AS DEFINED		222 222	C A D 464	170.000	C A D 400	224 000	C A D 420	E00 004		NON-PARTICIPATING		
ITEM	I	TOTAL	T		LARPENTEUR		OLD	1	PARKWAY	2-030-013	WHITE		COUNTY	S.A.P. 164-		S.A.P. 164-		S.A.P. 160- CITY OF		S.A.P. 138- CITY OF		NORTHO			
NUMBER         ITEM           2021.501         MOBILIZATION	UNIT L.S.	QUANTITY	\$280,000,00	AMOUNT \$280,000,00	AVE. 0.39	AMOUNT \$109.200.00	0.01	\$2,800.00	DRIVE 0.08	\$22,400.00	BEAR AVE. 0.28	\$78,400.00	0.19 \$53,200.00	ST PAUL	AMOUNT \$2,800,00	ST PAUL	\$2,800.00	ROSEVILLE	\$2,800.00	MAPLEWOOD	\$2,800.00	0.01	AMOUNT \$2,800.0		
2021:301 MOBILIZATION 2031:501 FIELD OFFICE TYPE D- MODIFIED	EACH	1	\$12,000.00	\$280,000.00	0.39	\$4,680.00	0.01	\$2,800.00	0.08	\$960.00	0.28	\$3,360.00	0.19 \$53,200.00	0.01		0.01	\$2,800.00	0.01	\$2,800.00	0.01	\$2,800.00	0.01	\$2,800.0 \$120.0		
2102.501 PAVEMENT MARKING REMOVAL 2102.502 PAVEMENT MARKING REMOVAL	S.F. L.F.	120 27825	\$1.75 \$0.75	\$210.00 \$20,868.75	120 8208	\$210.00 \$6,156.00			1158	\$868.50	18459	\$13,844.25													
2104.501 REMOVE CURB AND GUTTER	L.F.	3204	\$4.75	\$15,219.00	1270	\$6,032.50	110	\$522.50	199	\$945.25	358	\$1,700.50	1267 \$6,018.25												
2104.503 REMOVE BITUMINOUS WALK 2104.503 REMOVE CONCRETE SIDEWALK	S.F.	120 8883	\$1.65 \$1.65	\$198.00 \$14.656.95	40 3577	\$66.00 \$5,902.05			634	\$1,046.10	80 1830	\$132.00 \$3,019.50	2842 \$4,689.30												
2104.505 REMOVE CONCRETE DRIVEWAY PAVEMENT	S.Y.	27	\$9.00	\$243.00	27	\$243.00							2012 \$1,007.50												
2104.505 REMOVE BITUMINOUS PAVEMENT 2104.509 REMOVE MANHOLE OR CATCH BASIN	S.Y. EACH	673	\$9.00 \$400.00	\$6,057.00 \$800.00	159	\$1,431.00 \$400.00	100	\$900.00	224	\$2,016.00	190	\$1,710.00	1 \$400.00												
2104.501 REMOVE SEWER PIPE (STORM)	L.F.	26	\$8.00	\$208.00									26 \$208.00												
2104.511 SAWING CONCRETE PAVEMENT (FULL DEPTH) 2104.513 SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	L.F.	4498 502	\$5.00 \$2.25	\$22,490.00 \$1,129.50	1720 213	\$8,600.00 \$479.25	366 80	\$1,830.00 \$180.00	235 109	\$1,175.00 \$245.25	999 100	\$4,995.00 \$225.00	1178 \$5,890.00												
2104.602 SALVAGE AND INSTALL SIGN PANEL TYPE C 2104.618 SALVAGE BRICK PAVERS	EACH SF	36 921	\$200.00 \$7.00	\$7,200.00 \$6,447.00	18 221	\$3,600.00 \$1,547.00			4	\$800.00	14	\$2,800.00						700	\$4.900.00						
2105.501 COMMON EXCAVATION (EV)	C.Y.	3351	\$20.00	\$67,020.00	295	\$5,900.00	248	\$4,960.00	29	\$580.00	68	\$1,360.00	2711 \$54,220.00					700	\$4,900.00						
2105.521 SELECT GRANULAR BORROW (CV) (P) 2105.525 TOPSOIL BORROW (LV)	C.Y.	1139 253	\$10.00 \$50.00	\$11,390.00 \$12,650.00	54	\$2,700.00	36	\$1,800,00	10	\$500,00	41	\$2,050.00	1139 \$11,390.00 112 \$5,600.00												
2123.610 STREET SWEEPER (WITH VACUUM PICKUP)	HOUR	175	\$180.00	\$31,500.00	75	\$13,500.00	25	\$4,500.00	25	\$4,500.00	25	\$4,500.00	25 \$4,500.00												
2123.610 TRACTOR MOUNTED BACKHOE 2130.501 WATER	HOUR MGAL	75 100	\$150.00 \$50.00	\$11,250.00 \$5,000.00	15 20	\$2,250.00 \$1,000.00	15 20	\$2,250.00 \$1,000.00	15 20	\$2,250.00 \$1,000.00	15 20	\$2,250.00 \$1,000.00	15 \$2,250.00 20 \$1,000.00												
2211.503 AGGREGATE BASE CLASS 6 (CV) (P)	C.Y.	448	\$25.00	\$11,200.00	128	\$3,200.00	105	\$2,625.00	16	\$400.00	37	\$925.00	162 \$4,050.00												
2301.529 REINFORCEMENT BARS (EPOXY COATED) 2301.538   1 1/4" DOWEL BAR	LB EACH	5409 1670	\$3.00 \$9.00	\$16,227.00 \$15,030.00	500 650	\$1,500.00 \$5,850.00	2932 308	\$8,796.00 \$2,772.00	500 122	\$1,500.00 \$1,098.00	500 110	\$1,500.00 \$990.00	977 \$2,931.00 480 \$4,320.00												
2301.602 DRILL & GROUT REINFORCEMENT BAR (EPOXY COATED)	EACH	2211	\$15.00	\$33,165.00	1198	\$17,970.00	85	\$1,275.00	225	\$3,375.00	100	\$1,500.00	603 \$9,045.00												
2301.603 STRUCTURAL SEALING JOINT SYSTEM 2302.603 JOINT REPAIR (TYPE A1)	L.F.	148 19083	\$50.00 \$3.00	\$7,400.00 \$57,249.00	8171	\$24,513.00			1667	\$5,001.00	9245	\$27,735.00	148 \$7,400.00		+ +										
2302.603 JOINT REPAIR (TYPE A2)	L.F.	9371	\$3.00	\$28,113.00	8171	\$24,513.00	150	\$450.00	200	\$600.00	300	\$900.00	550 \$1,650.00												
2302.603 JOINT & CRACK REPAIR (TYPE B3) 2303.603 JOINT & CRACK REPAIR (TYPE B3) (SPECIAL RED)	L.F.	944 100	\$32.00 \$40.00	\$30,208.00 \$4,000.00	350	\$11,200.00			44	\$1,408.00	220	\$7,040.00	330 \$10,560.00 100 \$4,000.00		1										
2302.603 FULL DEPTH JOINT REPAIR (TYPE CD-LV)	L.F.	32010	\$70.00	\$2,240,700.00	13147	\$920,290.00			2178	\$152,460.00	15418	\$1,079,260.00	1267 \$88,690.00												
2302.603 FULL DEPTH JOINT REPAIR (TYPE CD-LV) (SPECIAL RED) 2302.604 CONCRETE GRINDING	L.F. S.Y.	2075 77033	\$100.00 \$5.00	\$207,500.00 \$385,165.00	37995	\$189,975.00			3684	\$18,420.00	31504	\$157,520.00	2075 \$207,500.00									3850	\$19,250.0		
2302.604 PAVEMENT REPLACEMENT (TYPE CX) 2302.604 PAVEMENT REPLACEMENT (TYPE CX) (SPECIAL RED)	S.Y.	6079 1479	\$91.00 \$136.00	\$553,189.00 \$201,144.00	2356	\$214,396.00	531	\$48,321.00	528	\$48,048.00	864	\$78,624.00	1800 \$163,800.00 1479 \$201,144.00												
2302.618 PARTIAL DEPTH REPAIR (TYPE BA)	S.F.	1929	\$35.00	\$67,515.00	880	\$30,800.00			220	\$7,700.00	242	\$8,470.00	587 \$20,545.00												
2303.618 PARTIAL DEPTH REPAIR (TYPE BA) (SPECIAL RED) 2302.618 PARTIAL DEPTH REPAIR SPECIAL (TYPE BE)	S.F.	100 444	\$50.00 \$55.00	\$5,000.00 \$24,420.00	187	\$10,285.00			55	\$3,025.00	66	\$3,630,00	100 \$5,000.00 136 \$7,480.00												
2303.618 PARTIAL DEPTH REPAIR SPECIAL (TYPE BE) (SPECIAL RED)		100	\$75.00	\$7,500.00	187	\$10,285.00			33	\$3,023.00	00	,	100 \$7,500.00												
2357.502 BITUMINOUS MATERIAL FOR TACK COAT 2360.501 TYPE SP 12.5 WEARING COURSE MIXTURE (4,B)	GALLON TON	38 235	\$5.00 \$75.00	\$190.00 \$17,625.00	8 46	\$40.00 \$3,450.00	8 36	\$40.00 \$2,700.00	14 100	\$70.00 \$7,500.00	8 53	\$40.00 \$3,975.00													
2402.603 FURNISH AND INSTALL WATERPROOF GLAND	L.F.	148	\$25.00	\$3,700.00		\$3,130.00	30	\$2,700.00	100	ψ7,500.00	- 55	ψ3,773.00	148 \$3,700.00												
2433.606 SEAL BRIDGE DECK CRACKS 2503.511 15' RCP CLASS V PIPE	GALLON L.F.	12 26	\$853.33 \$34.00	\$10,239.96 \$884.00									26 \$884.00									12	\$10,239.9		
2503.602 CONNECT TO EXISTING STORM SEWER	EACH	2	\$600.00	\$1,200.00	1	\$600.00							1 \$600.00												
2504.602 ADJUST VALVE BOX 2506.501 CONSTRUCT DRAINAGE STRUCTURE DES G or H	EACH EACH	7.6	\$350.00 \$300.00	\$2,450.00 \$2,280.00	5 3.1	\$1,750.00 \$930.00			2	\$700.00			4.5 \$1,350.00												
2506.503 RECONSTRUCT DRAINAGE STRUCTURE	LF	7	\$300.00	\$2,100.00	7	\$2,100.00																			
2506.516 CASTING ASSEMBLY 2506.522 ADJUST FRAME RING AND CASTING	EACH EACH	4 115	\$600.00 \$350.00	\$2,400.00 \$40,250.00	3 54	\$1,800.00 \$18,900.00	6	\$2,100,00	7	\$2,450,00	33	\$11,550,00	1 \$600.00 15 \$5,250.00												
2506.602 CONSTRUCT SURVEY CONTROL STRUCTURE	EACH	3	\$500.00	\$1,500.00	2	\$1,000.00				. , ,	1	\$500.00													
2519.607 CELLULAR CONCRETE CLSM LOW DENSITY 2521.501 4" CONCRETE WALK	C.Y. S.F.	1185 1542	\$100.00 \$4.00	\$118,500.00 \$6,168.00									1185 \$118,500.00 1542 \$6,168.00												
2521.501 4" CONCRETE WALK (SPECIAL RED) 2521.501 6" CONCRETE WALK	S.F. S.F.	500 5835	\$8.00 \$6.00	\$4,000.00 \$35,010.00	3679	\$22,074.00			604	\$4,104.00	1300	\$7.800.00	500 \$4,000.00 172 \$1,032.00												
2521.501 6" CONCRETE WALK (SPECIAL RED)	S.F.	187	\$10.00	\$1,870.00	112	\$1,120.00			684	\$4,104.00	1300	\$7,800.00	1/2 \$1,032.00					75	\$750.00				-		
2531.501 CONCRETE CURB AND GUTTER DESIGN B424 2531.501 CONCRETE CURB AND GUTTER DESIGN B6	L.F.	1267 281	\$25.00 \$25.00	\$31,675.00 \$7,025.00	281	\$7,025.00							1267 \$31,675.00												
2531.501 CONCRETE CURB AND GUTTER DESIGN B612	L.F.	28	\$25.00	\$700.00	28	\$700.00																			
2531.501 CONCRETE CURB AND GUTTER DESIGN B618 2531.501 CONCRETE CURB AND GUTTER DESIGN B624	L.F.	659 923	\$25.00 \$25.00	\$16,475.00 \$23,075.00	168 813	\$4,200.00 \$20,325.00	110	\$2,750.00	133	\$3,325.00	358	\$8,950.00													
2531.502 CONCRETE CURB DESIGN V (ADA)	L.F.	270	\$18.50	\$4,995.00	170	\$3,145.00	110	\$2,730.00	100	\$1,850.00															
2531.507 6" CONCRETE DRIVEWAY PAVEMENT 2531.602 CONCRETE MEDIAN NOSE DESIGN 7113	S.Y. EACH	20 48	\$50.00 \$300.00	\$1,000.00 \$14,400.00	20 16	\$1,000.00 \$4,800.00			4	\$1,200.00	14	\$4,200,00	14 \$4,200,00												
2531.618 TRUNCATED DOMES	S.F.	610	\$36.00	\$21,960.00	316	\$11,376.00			110	\$3,960.00	184	\$6,624.00	71 91,200.00												
2540.602 TEMPORARY MAILBOXES 2540.602 RELOCATE MAILBOXES	EACH EACH	103	\$75.00 \$150.00	\$7,725.00 \$300.00	72	\$5,400.00 \$300.00			3	\$225.00	28	\$2,100.00													
2540.618 INSTALL CONCRETE PAVERS	S.F.	733	\$8.00	\$5,864.00	550	\$4,400.00							500 #2 500 0°					183	\$1,464.00						
2550.523 2" NON-METALLIC CONDUIT (INTERCONNECT) 2550.534 FIBEROPTIC CABLE 12MM-12SM (INTERCONNECT)	LF LF	5223 6527	\$5.00 \$2.00	\$26,115.00 \$13,054.00	4723 6027	\$23,615.00 \$12,054.00							500 \$2,500.00 500 \$1,000.00		+ +										
2563.601 TRAFFIC CONTROL	L.S.	1	\$125,000.00	\$125,000.00	0.39	\$48,750.00	0.01	\$1,250.00		\$10,000.00	0.28	\$35,000.00	0.19 \$23,750.00	0.01	\$1,250.00	0.01	\$1,250.00	0.01	\$1,250.00	0.01	\$1,250.00	0.01	\$1,250.0		
2564.531 SIGN PANELS TYPE D 2564.533 FURNISH & INSTALL SIGN PANEL TYPE C	SF SF	193 25	\$27.00 \$25.00	\$5,211.00 \$625.00	119 12.5	\$3,213.00 \$312.50		<u> </u>	74 12.5	\$1,998.00 \$312.50									<u> </u>						
2565.511 TRAFFIC CONTROL SIGNAL SYSTEM A 2565.511 TRAFFIC CONTROL SIGNAL SYSTEM B	SYS SYS	1	\$200,000.00 \$225,000.00	\$200,000.00 \$225,000.00	0.67	\$134,000.00 \$225,000.00								0.33	\$66,000.00										
2565.511 TRAFFIC CONTROL SIGNAL SYSTEM C	SYS	1	\$225,000.00	\$225,000.00					0.50	\$112,500.00						0.375	\$84,375.00			0.125	\$28,125.00				
2565.602 PVC HANDHOLE (INTERCONNECT) 2565.602 PEDESTRIAN PUSH BUTTON STATION	EACH EACH		\$800.00 \$925.00	\$15,200.00 \$23,125.00	14 14	\$11,200.00 \$12,950.00			7	\$6,475.00			5 \$4,000.00	2	\$1,850.00			2	\$1,850.00						
2565.602 NMC LOOP DETECTOR 6' x 6'	EACH	8	\$1,200.00	\$9,600.00	14	φ12,73U.UU			,	φυ,+/J.00	8	\$9,600.00		2	φ1,030.00			2	91,030.00						
2565.602 SAW CUT LOOP DETECTOR 6' x 6' 2565.602 PEDESTRIAN HEAD	EACH EACH	5 8	\$950.00 \$750.00	\$4,750.00 \$6,000.00	4	\$3,000.00					5	\$4,750.00		າ	\$1.500.00		-	2	\$1,500.00						
2565.616 APS SYSTEM	SYS	1	\$10,000.00	\$10,000.00	0.5	\$5,000.00								0.25	\$2,500.00			0.25	\$2,500.00						
2573.530 STORM DRAIN INLET PROTECTION 2573.550 EROSION CONTROL SUPERVISOR	EACH L.S.	134	\$95.00 \$10,000.00	\$12,730.00 \$10,000.00	55 0.39	\$5,225.00 \$3,900.00	6 0.01	\$570.00 \$100.00	7 0.08	\$665.00 \$800.00	33 0.28	\$3,135.00 \$2,800.00	33 \$3,135.00 0.19 \$1,900.00	0.01	\$100.00	0.01	\$100.00	0.01	\$100.00	0.01	\$100.00	0.01	\$100.		
2575.505 SODDING TYPE LAWN	S.Y.	1688	\$10.00	\$16,880.00	404	\$4,040.00	216	\$2,160.00	50	\$500.00	230	\$2,300.00	788 \$7,880.00	0.01	φ	0.01	φ.00.00	0.01	\$100.00	0.01	Ψ100.00	0.01	φ100.		
2575.532 FERTILIZER TYPE 3 ANALYSIS 22-5-10 2582.501 PAVT MSSG (LT ARROW) POLY PREF-GR IN	POUND EACH	113	\$5.00 \$560.00	\$565.00 \$3,360.00	27 3	\$135.00 \$1,680.00	13	\$65.00	5	\$25.00	21	\$105.00 \$1,680.00	47 \$235.00		+ +						<del>                                     </del>	-			
2582.501 PAVT MSSG (RT ARROW) POLY PREF-GR IN	EACH		\$560.00	\$5,040.00	2	\$1,120.00			2	\$1,120.00	3	\$1,680.00	2 \$1,120.00												
2582.501 PAVT MSSG (ONLY) POLY PREF-GR IN 2582.502 7" BROKEN LINE WHITE-POLY PREFORM (GR IN)	EACH LF	1 3830	\$560.00 \$6.50	\$560.00 \$24,895.00	1750	\$11,375.00			120	\$780.00	1 1960	\$560.00 \$12,740.00													
2582.502 11" BROKEN LINE WHITE-POLY PREFORM (GR IN)	LF	159	\$13.00	\$2,067.00	-750	,575.00			60	\$780.00	99	\$1,287.00													
2582.502 11" SOLID LINE WHITE-POLY PREFORM (GR IN) 2585.502 4" BROKEN LINE WHITE- EPOXY	L.F.	400 580	\$11.00 \$0.30	\$4,400.00 \$174.00					200	\$2,200.00	200	\$2,200.00	580 \$174.00		+ +										
2582.502 4" BROKEN LINE YELLOW- EPOXY	L.F.	380	\$0.25	\$95.00	80	\$20.00		607.5	520	6210.5-			300 \$75.00												
2582.502 4" DOUBLE SOLID LINE YELLOW- EPOXY 2582.502 4" SOLID LINE WHITE- EPOXY	L.F.	1734 23222	\$0.50 \$0.25	\$867.00 \$5,805.50	921 9180	\$460.50 \$2,295.00	175 350	\$87.50 \$87.50	638 1053	\$319.00 \$263.25	10389	\$2,597.25	2250 \$562.50												
2582.502 4" SOLID LINE YELLOW- EPOXY	L.F.	19555	\$0.25	\$4,888.75	7472	\$1,868.00			101	\$25.25	9732	\$2,433.00	2250 \$562.50												
2582.502   12" SOLID YELLOW EPOXY 2582.503   CROSSWALK MARKING - POLY PREFORM (GR IN)	L.F. S.F.	242 2052	\$7.00 \$15.00	\$1,694.00 \$30,780.00	242 1098	\$1,694.00 \$16,470.00			432	\$6,480.00	522	\$7,830.00													
2582.503 CROSSWALK MARKING - EPOXY	S.F.	576	\$7.00	\$4,032.00	144	\$1,008.00			432	\$3,024.00				-											
1	,	j		\$0.00	1	\$2,275,208.80	l .	\$97,011.50		\$455,972.10	1	\$1,625,876.50	\$1,122,113.55		\$76,120.00		\$88,645.00	J	\$17,234.00	J	\$32,395.00		\$33,759		

\$32,395.00 \$3,887.40 \$3,887.40 \$76,120.00 \$9,134.40 \$9,134.40 \$88,645.00 \$10,637.40 \$10,637.40 \$17,234.00 \$2,068.08 \$2,068.08 SUBTOTAL \$2,275,208.80 \$97,011.50 \$455,972.10 \$1,625,876.50 \$1,122,113.55 \$33,759.96 12% Engineering Cost 12% Construction Cost North Oaks Lump Sum E, A & Const. Eng. TOTAL

\$3,000.00 **\$33,759.96** \$21,370.16 \$40,169.80 \$94,388.80 \$109,919.80