

**RAMSEY COUNTY
COOPERATIVE AGREEMENT
WITH CITY OF SAINT PAUL FOR
Maryland Avenue at Payne Avenue Intersection Reconstruction
S.P. 062-631-009, M.S.A.P. 164-020-124, S.A.P. 062-631-016(ROW)
Minn. Proj. HSIP 6214 (108)**

This Agreement is between the City of Saint Paul, a municipal corporation ("City") and Ramsey County, a political subdivision of the State of Minnesota, ("County") for the reconstruction of the Maryland Avenue and Payne Avenue Intersection Project ("Project");

WITNESSETH:

WHEREAS, the City and the County desire to reconstruct and rebuild the intersection on Maryland Avenue from Edgerton Street to Greenbrier Street; and

WHEREAS, Maryland Avenue, in the area affected by reconstruction, is designated County State Aid Highway 31 and Payne Avenue, in the area affected by reconstruction, is designated Municipal State Aid Route 179, and both are in the City; and

WHEREAS, preliminary studies and reports conducted by the City and County indicate that it is feasible to reconstruct the Maryland Avenue at the Payne Avenue intersection to provide for left turn lanes both in the east and west bound direction on Maryland Avenue, including reconstruction of the signal system at the intersection and reconstruction of a new sidewalk throughout the Project limits for the safety of the motorists and pedestrians; and

WHEREAS, the County has prepared the necessary designs, plans, specifications, estimates, proposals, and approvals in accordance with funding requirements to take bids for the Project and will incorporate agreed-upon city-prepared items into the plans and specifications; and

WHEREAS, the City has prepared or will prepare those sections of the plans relating to street lighting and traffic signals for incorporation into the plan set; and

WHEREAS, the intersection reconstruction of Maryland Avenue at Payne Avenue is designated as eligible for a grant of Federal Funds as Minn. Proj. HSIP 6214 (108), Ramsey County State Aid Highway (CSAH) S.P. 062-631-009, S.A.P. 062-631-016 (ROW) and St. Paul Municipal State Aid (MSA) 164-020-124; and

WHEREAS, construction of storm sewer systems(s) and storm water treatment/infiltration basin will be done as part of this Project in accordance with local watershed rules; and

WHEREAS, plans for the Project showing proposed intersection reconstruction, alignment, profiles, grades, and cross-sections for the improvement of Maryland Avenue from Edgerton Street to Greenbrier Street within the limits of the City as a Federally Assisted, County State Aid Highway, and Municipal State Aid project, have been presented to the City and are on file at Ramsey County Public Works Department; and

WHEREAS, the grading and widening provisions require acquisition of certain right-of-way and temporary construction and slope easements prior to construction and as designed in the approved right-of-way plan for the Project; and

WHEREAS, the County is utilizing the consultant staff of Ulteig Engineering, Surveying, and Consulting Services in acquiring necessary easements and right-of-way, as determined by the construction project grading limits, under a separate right-of-way project, S.A.P. 062-631-016. All right-of-way costs are County State Aid Highway and Municipal State Aid reimbursable costs; and

WHEREAS, a preliminary estimate of Project costs has been prepared, Engineer's Estimate & Cost Participation, attached as Exhibit A; and

WHEREAS, the County will take bids for the Project, prepare an abstract of bids and cost participation summary, request the City's concurrence to award a contract, award a contract and pay the contractor from Federal Aid, County State Aid Highway and Municipal State Aid Highway, and local funds identified for the Project.

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

1. The Whereas recitals set forth in this Agreement are hereby made a part of this Agreement as set out in full.
2. The County will prepare all plans, specifications, estimates, and proposals for the Project, will include, among other things, the proposed reconstruction, alignment, profiles, grades, cross sections, impacts, and costs for the improvements including paving, concrete curb and gutter, storm sewer, concrete sidewalk, boulevard, utility replacement and adjustments. The City will prepare plans and specifications, estimates, and proposals for street lighting and traffic control signals. The County will insert the City plans sheets into the County's plans and specifications for bidding. Any costs associated with 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 approval by the County.
3. Prior to County award of a contract, the County shall first receive concurrence from the City for award of the contract to the lowest responsible bidder.
4. The County and City shall participate in the costs of construction in accordance with the Cost Participation Policy, attached as Exhibit B. If there is a conflict between Exhibit B and this Agreement, this Agreement shall prevail.

5. Upon award of a construction contract the County shall perform or contract the performance of the construction administration for all elements of the Project except for street lighting and traffic signal systems. The City will provide inspection for street lighting and traffic signal systems.
6. The County will be the lead agency for the acquisition of the Permanent Highway Easements and Temporary Construction Easements (hereinafter "Easement(s)") required for the Project in accordance with the Right-of-Way plan approved by the parties and MnDOT, Exhibit C, incorporated herein by reference.
7. The City grants the County Temporary Construction Easements over all City owned Rights-of-Way and property within the limits of the Project for use during construction.
8. Any Easement that cannot be negotiated will be acquired through eminent domain proceedings. The County will utilize Ramsey County Attorney's Office, or outside counsel in its sole discretion.
9. The City and County shall each pay 50% of all costs of acquisition of all properties and easements including but not limited to: all court ordered acquisition costs, even if those costs exceed estimates; parcel appraisal costs; acquisition consultants' fees; relocation costs; building demolition, utility disconnect, site grading, and turf establishment costs; services of the County Attorney's Office or outside counsel; and any required fees. This cost share excludes sale of vacant property.
10. Notwithstanding any other provision of this Agreement to the contrary, the cost share for Parcel #215 is addressed in Ramsey County Cooperative Agreement with the City of Saint Paul, Agreement PW 2010-20A Exhibit D, incorporated herein by reference.
11. The City and County shall each pay 50% of all costs of new sanitary sewer and water services to parcels 201, 202, 203, 204, 205, 206, 207, 208, and 209.
12. At the request of the City, the County will provide periodic updates of the costs of acquisition of Easements, including costs for parcels that have been successfully negotiated and any remaining parcels to be settled.
13. Regardless of whether the fee title is in the County or the City each party will pay 50% of the cost of securing buildings, removing buildings, or complying with code violation orders issued by the City.
14. The City shall pay the County a 12% fee for design services and a 12% fee for construction administration, except, that the fees will be 2% for design services and 2% for construction administration fees for street lighting constructed as elements of the Project. Design service fees shall be paid before the application of Federal Funds. Construction administration fees shall be paid at the completion of the Project.

15. After the application of Federal Funds, the costs of storm sewer construction needed for Project drainage (catch basins and leads) will be split in accordance with the MnDOT Hydraulics Memorandum, Exhibit E, incorporated herein by reference. Any costs for storm sewer construction not eligible for County State Aid Highway funding are the sole responsibility of the City.
16. Upon completion of the Project, the County shall own the storm sewer catch basins and leads on County roads and the City shall own and maintain the storm sewer trunk lines within the City. County owned storm sewer catch basins and laterals will be maintained by the City in accordance with Joint Powers Agreement between Ramsey County and the City of St. Paul, Council File 93-1974, Exhibit F, incorporated herein by reference. Storm sewer laterals and drains servicing property within the City outside the Project Right of Way shall also be owned and maintained by the City. Exhibit G attached, references ownership responsibility of the storm water manholes, catch basins, and piping system.
17. All construction costs related to water mains, water services, and hydrants shall be covered under a separate agreement between the County and with the City of St. Paul Board of Water Commissioners, Exhibit H incorporated herein by reference.
18. The City shall replace or repair sanitary sewers over 80 years old that run through or upon the Project at 100% City cost prior to or during construction. The City shall also review redevelopment potential in the area and adequately provide improved sanitary sewer service upgrades to properties along the Project limits to prevent unnecessary roadway excavation of the newly constructed roadway.
19. The City shall provide written notice to the owners of all property in the Project construction limits that have sanitary sewer connections to the mainline that there will be an opportunity to address sanitary sewer service deficiencies. The City shall provide owners a minimum of three options to replace, repair, or decline sanitary sewer service improvements within the Project construction limits. The City shall provide to the County all property owner responses for the County's files prior to Project construction. The City shall receive 100% response from all property owners.
20. The City shall pay 100% of the cost of the sanitary sewer service improvements requested by property owners on the Project. The City will reimburse the County for all costs for sanitary sewer service improvements. The City shall continue to own and maintain the sanitary sewer.
21. There is a traffic signal system located at the intersection of Maryland Avenue and Payne Avenue. After the application of Federal Funds, the City shall be responsible for the cost of the City legs of the traffic signal system on Payne Avenue (2 legs). The County shall be responsible for the traffic signal system legs on Maryland Avenue (2 legs). The City continues to be responsible for maintenance of this traffic signal system in accordance with the Traffic and Lighting Infrastructure Maintenance Agreement between the Cities of Saint Paul and Ramsey County (County Resolution 2005-232), Exhibit I, incorporated herein by reference.

22. After the application of Federal Funds, the County will pay the City, proportional to the jurisdiction of the signal legs the cost of the County share of the signal system cabinet build up for the intersection signal system. The signal system cabinet will be supplied by the City and paid for under force account agreement.
23. The County will pay the City 10% of the cost of the County's legs of the traffic signal system for design services. The County will pay the City 10% of the cost of the County's legs of the traffic signal system for construction administration before the application of Federal Funds. The City will be responsible for the 100% of the cost of design and construction administration services for the City's signal legs. All costs shall be paid at the completion of the project.
24. After the application of Federal Funds, the City shall pay to the County 100% of the cost of streetlight construction in the Project. Upon completion of the Project, the City shall own and maintain street lights.
25. The cost for the Emergency Vehicle Preemption ("EVP") equipment and installation will be included in the signal system cost. Each party will be responsible for Costs for EVP equipment and installation for its legs of the traffic signal system.
26. After the application of Federal Funds, the City shall pay the County 50% of the cost of ADA access to the Arlington Hills Community Center. The City shall pay the County 12% fee for design administration and a 12% fee for construction administration services for the City's portion. The administration fees are calculated before the application of the Federal Funds, identified in Exhibit A.
27. The costs of contractor mobilization, field office operation, erosion control supervisor, and traffic control will be allocated based upon cost participation percentages for the entire Project, which will be determined when Bids are received. No adjustments in this allocation will be made after Bids are taken.
28. After the application of Federal Funds the City shall pay 100% of the cost of construction of any betterments requested by the City. The City will pay to the County a 2% fee for design administration and a 2% fee for construction administration services for betterments. These fees will be calculated before the application of Federal Funds, if applicable.
29. Quantity distributions and costs in Exhibit A are estimates. Actual costs shall be based on the contractor's unit prices and the quantities constructed.
30. The County will invoice the City for costs incurred for easement acquisition at the time of Bid opening. This invoice will include all fees and costs to date. Unsettled parcels after the bid date will be billed on an as needed basis. Payment will be made within 30 days of receipt of an invoice.

31. The City shall provide the County with a Declaration of Right-of-Way for Parcel #215, formally Kendall's Ace Hardware and Arlington Park. The County shall be responsible for recording the right-of-way plat and Declaration of Right-of-Way.
32. The City shall determine the development of the vacant parcels located along the south side of Maryland Avenue between Edgerton Street and Payne Avenue. The City will assume responsibility for the sale of the vacant parcels. Upon the sale of the vacated parcel(s), the City shall pay the County 50% of the total sale price. The County shall pay the City \$3000.00 for the sale of vacant property. This payment shall include all fees for the sale of the property.
33. The City and 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 the County or the City of any statutory or common law immunities, limits, or exceptions on liability.
34. This Agreement shall remain in full force and effect until terminated by mutual agreement of the parties.

CITY OF ST. PAUL, MINNESOTA

By: _____
Mayor

Date: _____

By: _____
Rich Lallier
Director of Public Works

Date: _____

Approved by the Office of Financial Services:

By: _____

Approved as to Form:

By: _____
City Attorney

RAMSEY COUNTY, MINNESOTA

Julie Kleinschmidt, County Manager

Date: _____

Approval recommended:

James E. Tolaas, Director
Public Works Department

Approved as to form:

Assistant County Attorney

GROUP 1 - ENGINEERS ESTIMATE & COST PARTICIPATION					GROUP 1 - ROADWAY	
PROJECT: CSAH-31 - Maryland Avenue @ Payne, S.P. 62-631-009					S.P. 62-631-009	
DATE: 23-Apr-14					90% Federal Participating 10% Ramsey County CSAH	
ITEM NO.	ITEM	UNIT	UNIT PRICE	TOTAL QUANTITY	GROUP 1 QUANTITY	AMOUNT
2021.501	MOBILIZATION	LS	\$150,000.00	1.00	0.73	\$109,500.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	\$15,000.00	1.00	0.73	\$10,950.00
2101.502	CLEARING	TREE	\$240.00	23.00	23.00	\$5,520.00
2101.507	GRUBBING	TREE	\$110.00	23.00	23.00	\$2,530.00
2102.502	PAVEMENT MARKING REMOVAL	LF	\$1.00	100.000	100.000	\$100.00
2103.501	BUILDING REMOVAL 1199	LS	\$30,000.00	1.00	0.50	\$15,000.00
2103.501	BUILDING REMOVAL 606	LS	\$45,000.00	1.00	0.50	\$22,500.00
2103.501	BUILDING REMOVAL 608	LS	\$25,000.00	1.00	0.50	\$12,500.00
2103.501	BUILDING REMOVAL 612	LS	\$30,000.00	1.00	0.50	\$15,000.00
2104.501	REMOVE SEWER PIPE (STORM)	LF	\$12.00	176.000	176.000	\$2,112.00
2104.501	REMOVE CURB AND GUTTER	LF	\$3.00	2345.00	2345.00	\$7,035.00
2104.501	REMOVE FENCE	LF	\$5.00	488.000	488.00	\$2,440.00
2104.501	REMOVE SANITARY SERVICE PIPE	LF	\$5.00	297.00	297.00	\$1,485.00
2104.503	REMOVE RETAINING WALL	SF	\$8.00	110.00	110.00	\$880.00
2104.503	REMOVE BITUMINOUS WALK	SF	\$2.00	1207.00	1207.00	\$2,414.00
2104.503	REMOVE CONCRETE WALK	SF	\$2.00	16034.00	16034.00	\$32,068.00
2104.505	REMOVE CONCRETE SLAB	SY	\$4.50	110.00	110.00	\$495.00
2104.505	REMOVE PAVEMENT SPECIAL	SY	\$8.00	6342.00	6342.00	\$50,736.00
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SY	\$7.00	263.00	263.00	\$1,841.00
2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SY	\$5.00	748.00	748.00	\$3,740.00
2104.509	REMOVE CONCRETE STEPS	EACH	\$100.00	4.00	4.00	\$400.00
2104.509	REMOVE MANHOLE OR CATCHBASIN	EACH	\$500.00	6.00	6.00	\$3,000.00
2104.509	REMOVE SIGN TYPE C	EACH	\$35.00	14.00	14.00	\$490.00
2104.509	REMOVE SIGNAL SYSTEM	EACH	\$10,000.00	1.00	0.50	\$5,000.00
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LF	\$10.00	463.00	463.00	\$4,630.00
2104.513	SAWING BIT PAVEMENT (FULL DEPTH)	LF	\$5.00	349.00	349.00	\$1,745.00
2105.501	COMMON EXCAVATION (EV) (P)	CY	\$15.00	9005.00	8591.00	\$128,865.00
2105.522	SELECT GRANULAR BORROW (CV) (P)	CY	\$24.00	6400.00	5986.00	\$143,664.00
2105.523	COMMON BORROW (CV) (P)	CY	\$8.50	565.00	565.00	\$4,802.50
2105.601	SITE GRADING	LS	\$5,000.00	1.00	1.00	\$5,000.00
2123.610	TRACTOR MOUNTED BACKHOE	HOURL	\$100.00	50.00	50.00	\$5,000.00
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOURL	\$100.00	50.00	50.00	\$5,000.00
2130.501	WATER	MGAL	\$30.00	100.00	100.00	\$3,000.00
2211.503	AGGREGATE BASE, CLASS 6 (CV) (P)	CY	\$32.00	1831.00	1831.00	\$58,592.00
2232.501	MILL BITUMINOUS SURFACE (2")	SY	\$10.30	351.00	351.00	\$3,615.30
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	\$2.25	824.00	824.00	\$1,854.00
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,B)	TON	\$65.00	58.00	58.00	\$3,770.00
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	\$70.75	1884.00	1884.00	\$133,293.00
2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	\$59.95	1367.00	1367.00	\$81,951.65
2411.507	CONCRETE STEP	EACH	\$350.00	4.00	4.00	\$1,400.00
2411.601	CONCRETE STRUCTURE SPECIAL	LS	\$10,000.00	1.00	0.50	\$5,000.00
2503.602	CONNECT INTO EXISTING SANITARY SEWER	EACH	\$5,000.00	11.00	3.00	\$15,000.00
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LF	\$35.00	557.00	171.00	\$5,985.00
2504.602	ADJUST VALVE BOX	EACH	\$100.00	9.00	9.00	\$900.00
2504.603	WATER SERVICE EXCAVATION	LF	\$35.00	510.00	219.00	\$7,665.00
2506.522	ADJUST FRAME & RING CASTING	EACH	\$500.00	1.00	1.00	\$500.00
2506.603	RECONSTRUCT DRAINAGE STRUCTURE	LF	\$500.00	6.00	6.00	\$3,000.00
2521.501	4" CONCRETE WALK	SF	\$3.00	13805.00	13805.00	\$41,415.00
2521.501	6" CONCRETE WALK	SF	\$6.00	870.00	870.00	\$5,220.00
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LF	\$18.00	2571.00	2571.00	\$46,278.00
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SY	\$13.00	13.00	13.00	\$169.00
2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SY	\$21.00	20.00	20.00	\$420.00
2531.603	CONCRETE CURB DESIGN V	LF	\$15.00	100.00	100.00	\$1,500.00
2531.618	TRUNCATED DOMES	SF	\$45.00	140.00	140.00	\$6,300.00
2540.602	BOLLARD	EACH	\$600.00	15.00	15.00	\$9,000.00
2557.501	WIRE FENCE DESIGN 48-9322	LF	\$20.00	98.00	98.00	\$1,960.00
2563.601	TRAFFIC CONTROL	LS	\$20,000.00	1.00	0.73	\$14,600.00
2564.531	SIGN PANELS TYPE D	SF	\$30.00	45.00	45.00	\$1,350.00
2564.618	F & I SIGN PANEL TYPE C	SF	\$35.00	51.00	51.00	\$1,785.00
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	\$172,500.00	1.00	0.50	\$86,250.00
2565.601	TRAFFIC CONTROL INTERCONNECTION	LS	\$22,150.00	1.00	0.50	\$11,075.00
2572.501	TEMPORARY FENCE (48" HIGH ORANGE PLASTIC)	LF	\$3.00	200.00	200.00	\$600.00
2573.530	STORM DRAIN INLET PROTECTION	EACH	\$250.00	22.00	22.00	\$5,500.00
2573.533	SEDIMENT CONTROL LOG TYPE COMPOST	LF	\$3.00	800.00	800.00	\$2,400.00

Exhibit A

2573.535	STABILIZED CONSTRUCTION EXIT	LS	\$2,500.00	1.00	1.00	\$2,500.00
2573.550	EROSION CONTROL SUPERVISOR	LS	\$5,000.00	1.00	0.73	\$3,650.00
2573.601	STORM WATER MANAGEMENT	LS	\$67,500.00	1.00	1.00	\$67,500.00
2574.508	FERTILIZER TYPE 3	LB	\$1.50	457.00	457.00	\$685.50
2574.525	COMMON TOPSOIL BORROW (LV)	CY	\$15.00	702.00	702.00	\$10,530.00
2575.501	SEEDING	ACRE	\$100.00	0.89	0.89	\$89.00
2575.502	SEED MIXTURE 25-131	LB	\$2.75	196.00	196.00	\$539.00
2575.505	SODDING TYPE LAWN	SY	\$3.50	2012.00	2012.00	\$7,042.00
2575.523	EROSION CONTROL BLANKETS CATEGORY 1	SY	\$1.00	4304.00	4304.00	\$4,304.00
2575.562	HYDRAULIC MATRIX TYPE MULCH	LB	\$1.50	9786.00	9786.00	\$14,679.00
2581.501	REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LF	\$2.00	500.00	500.00	\$1,000.00
2582.501	PAVEMENT MESSAGE (LT ARROW) EPOXY	EACH	\$120.00	2.00	2.00	\$240.00
2582.502	4" SOLID LINE WHITE- EPOXY	LF	\$1.00	200.00	200.00	\$200.00
2582.502	4" BROKEN LINE WHITE - EPOXY	LF	\$1.00	480.00	480.00	\$480.00
2582.502	12" SOLID LINE WHITE - EPOXY	LF	\$11.00	258.00	258.00	\$2,838.00
2582.502	24" SOLID LINE YELLOW - EPOXY	LF	\$8.50	240.00	240.00	\$2,040.00
2582.502	4" BROKEN LINE YELLOW - EPOXY	LF	\$2.00	40.00	40.00	\$80.00
2582.502	4" DOUBLE SOLID LINE YELLOW - EPOXY	LF	\$1.00	1826.00	1826.00	\$1,826.00
2582.502	4" DOUBLE SOLID LINE YELLOW- LATEX	LF	\$1.00	500.00	500.00	\$500.00
2582.502	4" SOLID LINE WHITE- LATEX	LF	\$1.00	500.00	500.00	\$500.00
TOTAL GROUP 1						\$1,289,012.95
90% FEDERAL PARTICIPATING =						\$1,160,111.66
10% RAMSEY COUNTY CSAH FUNDS =						\$128,901.30
TOTAL GROUP 1 =						\$1,289,012.95

GROUP 2 - ENGINEERS ESTIMATE & COST PARTICIPATION				GROUP 2 - STORM SEWER	
PROJECT: CSAH-31 - Maryland Avenue @ Payne, S.P. 62-631-009				S.P. 62-631-009	
DATE: 23-Apr-14				80% Federal Participating 20% Ramsey County CSAH	
ITEM NO.	ITEM	UNIT	UNIT PRICE	TOTAL QUANTITY	GROUP2 QUANTITY AMOUNT
2021.501	MOBILIZATION	LS	\$150,000.00	1.00	0.07 \$10,500.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	\$15,000.00	1.00	0.07 \$1,050.00
2503.541	12" RC PIPE SEWER DES 3006 CL V	LF	\$35.00	134.00	134.00 \$4,690.00
2503.541	15" RC PIPE SEWER DES 3006 CL V	LF	\$50.00	973.00	973.00 \$48,650.00
2503.602	CONNECT INTO EXISTING STORM SEWER	EACH	\$1,000.00	1.00	1.00 \$1,000.00
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	\$1,000.00	1.00	1.00 \$1,000.00
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 7A	LF	\$300.00	73.90	73.90 \$22,170.00
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LF	\$300.00	48.10	48.10 \$14,430.00
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LF	\$380.00	5.30	5.30 \$2,014.00
2506.516	CASTING ASSEMBLY	EACH	\$600.00	27.00	21.00 \$12,600.00
2563.601	TRAFFIC CONTROL	LS	\$20,000.00	1.00	0.07 \$1,400.00
2573.550	EROSION CONTROL SUPERVISOR	LS	\$5,000.00	1.00	0.07 \$350.00
				TOTAL GROUP 2	
				\$119,854.00	
				90% FEDERAL PARTICIPATING =	
				\$107,868.60	
				10% RAMSEY COUNTY CSAH FUNDS =	
				\$11,985.40	
				TOTAL GROUP 2 =	
				\$119,854.00	

GROUP 3 - ENGINEERS ESTIMATE & COST PARTICIPATION					GROUP 3	
PROJECT:	CSAH-31 - Maryland Avenue @ Payne, S.P. 62-631-009				S.P. 164-020-126	
DATE:	23-Apr-14				90% Federal Participating 10% City of St. Paul, MSAP	
ITEM NO.	ITEM	UNIT	UNIT PRICE	TOTAL QUANTITY	GROUP3 QUANTITY	AMOUNT
2021.501	MOBILIZATION	LS	\$150,000.00	1.00	0.14	\$21,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	\$15,000.00	1.00	0.14	\$2,100.00
2103.501	BUILDING REMOVAL 1199	LS	\$30,000.00	1.00	0.50	\$15,000.00
2103.501	BUILDING REMOVAL 606	LS	\$45,000.00	1.00	0.50	\$22,500.00
2103.501	BUILDING REMOVAL 608	LS	\$25,000.00	1.00	0.50	\$12,500.00
2103.501	BUILDING REMOVAL 612	LS	\$30,000.00	1.00	0.50	\$15,000.00
2104.501	REMOVE LIGHTING CONDUCTORS	LF	\$2.00	1610.00	1610.00	\$3,220.00
2104.509	REMOVE LIGHTING UNIT	EACH	\$450.00	10.00	10.00	\$4,500.00
2104.509	REMOVE CASTING	EACH	\$185.00	7.00	7.00	\$1,295.00
2104.509	REMOVE LIGHT BASE FOUNDATION	EACH	\$450.00	10.00	10.00	\$4,500.00
2104.509	REMOVE SIGNAL SYSTEM	EACH	\$10,000.00	1.00	0.50	\$5,000.00
2104.509	REMOVE PULLBOX	EACH	\$300.00	3.00	3.00	\$900.00
2104.509	REMOVE SERVICE CABINET	EACH	\$450.00	2.00	2.00	\$900.00
2411.601	CONCRETE STRUCTURE SPECIAL	LS	\$10,000.00	1.00	0.50	\$5,000.00
2503.601	TELEWISE PROJECT SANITARY SEWER	LS	\$1,500.00	1.00	1.00	\$1,500.00
2503.602	CONNECT INTO EXISTING SANITARY SEWER	EACH	\$5,000.00	11.00	3.00	\$15,000.00
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LF	\$35.00	557.00	171.00	\$5,985.00
2504.603	WATER SERVICE EXCAVATION	LF	\$35.00	510.00	219.00	\$7,665.00
2504.603	RECONSTRUCT SANITARY MANHOLE	LF	\$500.00	36.00	36.00	\$18,000.00
2506.516	CASTING ASSEMBLY	EACH	\$600.00	27.00	6.00	\$3,600.00
2545.511	LIGHTING UNIT TYPE L14	EACH	\$2,450.00	9.00	9.00	\$22,050.00
2545.513	LUMINAIRE HPS (R100)	EACH	\$1,300.00	9.00	9.00	\$11,700.00
2545.515	LIGHT BASE DESIGN TYPE STANDARD	EACH	\$675.00	9.00	9.00	\$6,075.00
2545.523	2" NON METALLIC CONDUIT	LF	\$3.00	2250.00	2250.00	\$6,750.00
2545.523	2" NON METALLIC CONDUIT(DIRECTIONAL BORE)	LF	\$16.50	100.00	100.00	\$1,650.00
2545.531	1 C #4 AWG	LF	\$2.80	7100.00	7100.00	\$19,880.00
2545.531	1 C #8 AWG INSULATED GROUND	LF	\$2.20	2350.00	2350.00	\$5,170.00
2545.541	METERED SERVICE CABINET	EACH	\$2,000.00	2.00	2.00	\$4,000.00
2545.553	HANDHOLE TYPE SPECIAL	EACH	\$650.00	5.00	5.00	\$3,250.00
2563.601	TRAFFIC CONTROL	LS	\$20,000.00	1.00	0.14	\$2,800.00
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	\$172,500.00	1.00	0.50	\$86,250.00
2565.601	TRAFFIC CONTROL INTERCONNECTION	LS	\$22,150.00	1.00	0.50	\$11,075.00
2573.550	EROSION CONTROL SUPERVISOR	LS	\$5,000.00	1.00	0.14	\$700.00
				TOTAL GROUP 3		\$346,515.00
				90% FEDERAL PARTICIPATING =		\$311,863.50
				10% CITY OF ST. PAUL MSAP FUNDS =		\$34,651.50
				TOTAL GROUP 3 =		\$346,515.00

GROUP 4 - ENGINEERS ESTIMATE & COST PARTICIPATION				GROUP 4		
PROJECT: CSAH-31 - Maryland Avenue @ Payne, S.P. 62-631-009				CITY OF ST. PAUL		
DATE: 23-Apr-14				NON-PARTICIPATING		
ITEM NO.	ITEM	UNIT	UNIT PRICE	TOTAL QUANTITY	GROUP4 QUANTITY	AMOUNT
2021.501	MOBILIZATION	LS	\$150,000.00	1.00	0.02	\$3,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	\$15,000.00	1.00	0.02	\$300.00
2503.602	CONNECT INTO EXISTING SANITARY SEWER	EACH	\$5,000.00	11.00	5.00	\$25,000.00
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LF	\$35.00	557.00	165.00	\$5,775.00
2563.601	TRAFFIC CONTROL	LS	\$20,000.00	1.00	0.02	\$400.00
2573.550	EROSION CONTROL SUPERVISOR	LS	\$5,000.00	1.00	0.02	\$100.00
				TOTAL GROUP 4		\$34,575.00

GROUP 5 - ENGINEERS ESTIMATE & COST PARTICIPATION				GROUP 5		
PROJECT:	CSAH-31 - Maryland Avenue @ Payne, S.P. 62-631-009			S.A.P.62-649-03		
DATE:	23-Apr-14			ST. PAUL WATER DEPARTMENT NON-PARTICIPATING		
ITEM NO.	ITEM	UNIT	UNIT PRICE	TOTAL QUANTITY	GROUP 5 QUANTITY	AMOUNT
2021.501	MOBILIZATION	LS	\$150,000.00	1.00	0.04	\$6,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	\$15,000.00	1.00	0.04	\$600.00
2105.501	COMMON EXCAVATION (EV) (P)	CY	\$15.00	9005.00	414.00	\$6,210.00
2105.522	SELECT GRANULAR BORROW (CV) (P)	CY	\$24.00	6400.00	414.00	\$9,936.00
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LF	\$35.00	557.00	50.00	\$1,750.00
2504.602	SERVICE STOP BOX	EACH	\$300.00	6.00	6.00	\$1,800.00
2504.602	ADJUST SERVICE STOP BOX	EACH	\$100.00	2.00	2.00	\$200.00
2504.602	REPAIR VALVE BOX	EACH	\$300.00	1.00	1.00	\$300.00
2504.602	REPLACE VALVE BOX	EACH	\$400.00	2.00	2.00	\$800.00
2504.602	WATER UTILITY HOLE	EACH	\$1,250.00	4.00	4.00	\$5,000.00
2504.602	EXCAV FOR WATER MAIN OFFSET TRENCH/REPLACEMENT TRENCH	EACH	\$1,000.00	1.00	1.00	\$1,000.00
2504.603	WATER MAIN TRENCH	LF	\$35.00	1318.00	1318.00	\$46,130.00
2504.603	WATER SERVICE EXCAVATION	LF	\$35.00	510.00	72.00	\$2,520.00
2504.604	2" INSULATION	SY	\$10.00	14.00	14.00	\$140.00
2563.601	TRAFFIC CONTROL	LS	\$20,000.00	1.00	0.04	\$800.00
2573.550	EROSION CONTROL SUPERVISOR	LS	\$5,000.00	1.00	0.04	\$200.00
				TOTAL GROUP 5 =		\$83,386.00

SUMMARY - ENGINEERS ESTIMATE & COST PARTICIPATION

PROJECT: CSAH-31 - Maryland Avenue @ Payne, S.P. 62-631-009

DATE: 23-Apr-14

GROUPS	S.P. 62-631-009 FEDERAL PARTICIPATING	S.P. 62-631-009 COUNTY PARTICIPATING	S.P. 164-020-126 FEDERAL PARTICIPATING	S.P. 164-020-126 CITY OF ST. PAUL PARTICIPATING	CITY OF ST. PAUL NON-PARTICIPATING	ST. PAUL WATER DEPT. NON-PARTICIPATING	GROUP TOTALS
GROUP 1 - S.P. 62-631-009, Roadway Participating Federal funds Ramsey County	\$1,160,111.66	\$128,901.30					\$1,289,012.95
GROUP 2 - S.A.P. 62-631-009, Storm Sewer Participating Federal funds Ramsey County	\$107,868.60	\$11,985.40					\$119,854.00
GROUP 3 - S.P. 164-020-126, Participating Federal funds City of St. Paul			\$311,863.50	\$34,651.50			\$346,515.00
GROUP 4 - NON-PARTICIPATING City of St. Paul					\$34,575.00		\$34,575.00
GROUP 5 - NON-PARTICIPATING St. Paul Water Department						\$83,386.00	\$83,386.00
TOTAL	\$1,267,980.26	\$140,886.70	\$311,863.50	\$34,651.50	\$34,575.00	\$83,386.00	\$1,873,342.95

PROJECT TOTAL = \$1,873,342.95

EXHIBIT A - COST PARTICIPATION

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
COST PARTICIPATION - CITY OF ST. PAUL					
Items subject to 12 % design costs and 12 % construction costs.					
2021.501	MOBILIZATION	LS	0.16	\$150,000.00	\$24,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	0.16	\$15,000.00	\$2,400.00
2103.501	BUILDING REMOVAL 1199	LS	0.50	\$30,000.00	\$15,000.00
2103.501	BUILDING REMOVAL 606	LS	0.50	\$45,000.00	\$22,500.00
2103.501	BUILDING REMOVAL 608	LS	0.50	\$25,000.00	\$12,500.00
2103.501	BUILDING REMOVAL 612	LS	0.50	\$30,000.00	\$15,000.00
2411.601	CONCRETE STRUCTURE SPECIAL	LS	0.50	\$10,000.00	\$5,000.00
2503.602	CONNECT INTO EXISTING SANITARY SEWER	EACH	8.00	\$5,000.00	\$40,000.00
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LF	336.00	\$35.00	\$11,760.00
2504.603	WATER SERVICE EXCAVATION	LF	219.00	\$35.00	\$7,665.00
2563.601	TRAFFIC CONTROL	LS	0.16	\$20,000.00	\$3,200.00
2573.550	EROSION CONTROL SUPERVISOR	LS	0.16	\$5,000.00	\$800.00
SPEC	NEW WATER SERVICE	EACH	4.50	\$800.00	\$3,600.00
Subtotal =					\$163,425.00
90 % Federal =					\$147,082.50
10 % City of St Paul =					\$16,342.50
12% Design Costs =					\$19,611.00
12% Construction Costs =					\$19,611.00
City of St Paul Subtotal =					\$55,564.50
Items subject to 10 % design costs and 10 % construction costs.					
2104.523	REMOVE SIGNAL SYSTEM	EACH	0.50	\$10,000.00	\$5,000.00
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	0.50	\$172,500.00	\$86,250.00
2565.601	TRAFFIC CONTROL INTERCONNECTION	LS	0.50	\$22,150.00	\$11,075.00
Subtotal =					\$102,325.00
90 % Federal =					\$92,092.50
10 % City of St Paul =					\$10,232.50
County Payment to the City at 10% Design Costs =					\$10,232.50
County Payment to the City at 10% Construction Costs =					\$10,232.50
City of St Paul Subtotal =					\$10,232.50
Items subject to 2 % design costs and 2 % construction costs.					
2104.501	REMOVE LIGHTING CONDUCTORS	LF	1,610	\$2.00	\$3,220.00
2104.509	REMOVE LIGHTING UNIT	EACH	10	\$450.00	\$4,500.00
2104.509	REMOVE CASTING	EACH	7	\$185.00	\$1,295.00
2104.509	REMOVE LIGHT BASE FOUNDATION	EACH	10	\$450.00	\$4,500.00
2104.509	REMOVE PULLBOX	EACH	3	\$300.00	\$900.00
2104.509	REMOVE SERVICE CABINET	EACH	2	\$450.00	\$900.00
2503.601	TELEWISE PROJECT SANITARY SEWER	LS	1	\$1,500.00	\$1,500.00
2504.603	RECONSTRUCT SANITARY MANHOLE	LF	36	\$500.00	\$18,000.00
2506.516	CASTING ASSEMBLY	EACH	6	\$600.00	\$3,600.00
2545.511	LIGHTING UNIT TYPE L-14	EACH	9	\$2,450.00	\$22,050.00
2545.513	LUMINAIRE HPS (R100)	EACH	9	\$1,300.00	\$11,700.00
2545.515	LIGHT BASE DESIGN TYPE STANDARD	EACH	9	\$675.00	\$6,075.00
2545.523	2" NON METALLIC CONDUIT	LF	2250	\$3.00	\$6,750.00
2545.523	2" NON METALLIC CONDUIT (DIRECTIONAL BORE)	LF	100	\$16.50	\$1,650.00
2545.531	1 C #4 AWG	LF	7100	\$2.80	\$19,880.00
2545.531	1 C #8 AWG INSULATED GROUND	LF	2350	\$2.20	\$5,170.00
2545.541	METERED SERVICE CABINET	EACH	2	\$2,000.00	\$4,000.00
2545.553	HANDHOLE TYPE SPECIAL	EACH	5	\$650.00	\$3,250.00
Subtotal =					\$118,940.00
90 % Federal =					\$107,046.00
10 % City of St Paul =					\$11,894.00
2% Design Costs =					\$2,378.80
2% Construction Costs =					\$2,378.80
City of St Paul Subtotal =					\$16,651.60
City of St Paul Subtotal=					\$82,448.60
County Payment for Signal Design/Construction=					\$20,465.00
CITY OF ST. PAUL PARTICIPATION TOTAL =					\$61,983.60

Right of Way Costs

Acquisition + Relocation + Consultants
 Building Demolition

Current ROW costs	\$1,785,689
Demolition	\$107,440
	\$1,893,129
50% St. Paul ROW total	\$946,564

Total Cost estimated cost for St. Paul= **\$ 1,008,547.89**