Anoka County Contract No. C0004155

JOINT POWERS AGREEMENT
FOR THE RECONSTRUCTION OF COUNTY STATE AID HIGHWAY 116
(BUNKER LAKE BOULEVARD) BETWEEN CRANE STREET NW AND
2230 FEET EAST OF JEFFERSON STREET NE
IN THE CITIES OF ANDOVER, MN AND HAM LAKE, MN
(SP 002-716-015, SAP 197-020-005)

THIS AGREEMENT is made and entered into this 5th day of December, 2015 by and between the County of Anoka, a political subdivision of the State of Minnesota, 2100 Third Avenue, Anoka, Minnesota 55303, hereinafter referred to as "County", and the City of Ham Lake, 15544 Central Avenue, Ham Lake, MN 55304, hereinafter referred to as "City".

WITNESSETH

WHEREAS, the parties to this agreement agree it is in the best interest of the traveling public to reconstruct County State Aid Highway 116 (Bunker Lake Boulevard) from Crane Street NW to 2230 feet east of Jefferson Street NE and,

WHEREAS, said parties mutually agree that County State Aid Highway 116 between Crane Street NW and 2230 feet east of Jefferson Street NE is in need of reconstruction; and,

WHEREAS, the County has prepared preliminary design plans for the reconstruction of County State Aid Highway 116 between Crane Street NW and 2230 feet east of Jefferson Street NE in accordance with Anoka County and the Minnesota Department of Transportation standards to a staff approved layout condition; and,

WHEREAS, Anoka County has jurisdiction over County State Aid Highway 116 between Crane Street NW and 2230 feet east of Jefferson Street NW and,

WHEREAS, the parties agree that it is in their best interest that the cost of said project be shared; and,

WHEREAS, Minn. Stat. § 471.59 authorizes political subdivisions of the state to enter into joint powers agreements for the joint exercise of powers common to each.

NOW, THEREFORE, IT IS MUTUALLY STIPULATED AND AGREED:

I. PURPOSE

The parties have joined together for the purpose of reconstructing the roadway, drainage, trail, pedestrian underpass and traffic control systems as well as other utilities on CSAH 116 (Bunker Lake Boulevard) between Crane Street NW and 2230 feet east of Jefferson Street NE; as described in the preliminary design plans. The County project number for the reconstruction is SP 002-716-015 and the City project number is SAP 197-020-005. Said engineering plans are filed in the office of the Anoka County Highway Department and incorporated herein by reference.

The parties to this Joint Powers Agreement (JPA) agree in principle that construction of County State Aid Project No. 002-716-015 between Crane Street NW and 2230 east of Jefferson Street NE is in the best interest of the traveling public and that the Preliminary Layout as shown in Exhibit "A" defines the preliminary design of the Project.

It is agreed that the Exhibit "A" Layout dated July 14, 2015 has been reviewed and accepted by the parties and is suitable for preparation of final construction documents. Any significant changes made hereafter to the design as presented in the Exhibit "A" Layout will require approval by the parties as an amendment to this JPA. These same changes will require a change in the cost share to include any additional design engineering costs that may occur.

II. METHOD

The County shall cause the construction of Anoka County Project SP 002-716-015, City project number SAP 197-020-005.

IMPROVEMENTS:

It is agreed by the parties that in late 2015/2016, CSAH 116 will be reconstructed to a four-lane section with concrete median to the extent shown in "Exhibit A". Improvements include, but are not limited to: traffic signal reconstruction at Jefferson St. NE, right- and left-turn lanes, through lanes, shoulders, concrete curb and gutter, storm sewer with associated ponding, bituminous trail, retaining walls and noise walls based upon the findings of the noise study and voting.

INTERSECTIONS:

As agreed by the parties, improvements to the following intersections have been incorporated in the Exhibit "A" Layout design:

CSAH 116 near County Ditch #23: Full Access Intersection
CSAH 116 / Terrace Rd. NE: Right In/Right Out
CSAH 116 / Jefferson St.NE: Full Access Intersection with traffic signal

RIGHT OF WAY:

The parties agree that the County will acquire all necessary right-of-way and easements for the Project. Acquisition of any additional right-of-way and/or easements needed for improvements to the City street intersections beyond what is defined in the Exhibit "A" Layout will be the responsibility of the City. It is agreed by the parties that all necessary right of way and easements will be in legal possession of the County prior to acceptance of bids for the project. Any City owned property or easements required for the construction will be conveyed to the County at no cost.

All City owned easements located within the boundaries of the new right-of-way acquisition shall continue to exist in favor of both the City and the County, although the County shall have the exclusive custodianship of such easements during the construction period. For any parcel upon which there is an existing residence, garage or other building, the County shall measure the distance between the nearest point of the structure nearest the new right-of-way line, and report such distances to the City for the purpose of identifying any future non-conforming uses resulting from the project.

TRAFFIC SIGNALS:

The parties agree that the existing traffic control signal system at the CSAH 116 and Jefferson St. NE intersection will be reconstructed with this project. The parties agree that the cost of the reconstruction of this signal pending the availability of Federal funding shall be standard County cost share; with 100% of the EVP reconstruction costs and 75% of the traffic signal cost to the City of Ham Lake, and 25% of the traffic signal cost to the County. The parties agree that the County shall furnish the signal controller cabinet for the signal system and the cost of the controller cabinet shall be standard County cost share with 75% of the cost to the City of Ham Lake and 25% of the cost to the County.

DRAINAGE:

The City shall pay for a percentage of the cost of the storm sewer system, including the detention basins and their outlet structures. The City portion of the cost is based on contributing flow through the storm sewer system to the detention basin determined by the product of contributing area and runoff coefficient.

ENVIRONMENTAL ISSUES:

A noise analysis has been performed as part of the Environmental Assessment process. It was concluded that noise walls were not feasible at any location in the City of Ham Lake. The County has met individually with these property owners at their request. A meeting was held on December 18th, 2014 at the Anoka County Highway Department to discuss the noise walls and impacts with the affected property owners.

Should the City request a noise wall to be built where not required by the applicable federal or state standard, the City shall be responsible for the entire cost of the wall.

BITUMINOUS TRAIL:

The parties agree that the construction of the bituminous trail along the north side of the roadway is eligible for federal funds and that the City will be responsible for the local match in areas where no trail exists and the County will be responsible for the local match where a trail currently exists. This trail location has been agreed to by the City. If this location changes in the future, the additional costs associated with this change will be the responsibility of the City. This trail is part of the County Regional Trail System and is eligible for potential funding through the Metropolitan Council's Regional Parks Capital Improvement Program after the project has been constructed and a request has been received from the City. If the Anoka County Parks and Recreation Department receives a letter of request from the City, the Anoka County Parks and Recreation Department will seek reimbursement for one-half of the City's share for this trail construction. If funds are secured, the Anoka County Parks and Recreation Department will reimburse the City with the additional funds received.

The parties understand that the cost for the trail includes: bituminous surfacing, aggregate base, excavation (including muck excavation), borrow material (granular and topsoil), and turf establishment. The parties agree that the County will pay for the design of the trail, wetland mitigation required by impacts caused by the trail, the additional right of way and easements required to construct the trail at the proper location, and any removal items, with the exception of any soils correction in areas of existing trails, required to construct the trail.

TRAFFIC CONTROL:

The parties understand and agree that portions of CSAH 116 will be closed to thru traffic during construction, but access for local traffic will be maintained during construction. The parties agree and understand the cost share for traffic control for the city shall be a prorated share based on the city project cost divided by the total project cost.

DRIVEWAYS:

The parties agree that all driveways affected (excluding those identified for removal) by the Project will be reconstructed in kind at 100% project cost with the cost of any upgrades requested by the City, including concrete aprons, to be the sole responsibility of the City.

LANDSCAPING/STREETSCAPING:

The parties agree that if the City wishes to include landscaping or streetscape features in the project, they shall be designed in accordance with Anoka County Highway Department Landscape/Streetscape Guidelines. The City shall supply the signed plan sheets and specifications for the proposed landscape/streetscape. The total cost of the design as well as the construction cost above standard median cost will be at the expense of the requesting City or split between the requesting Cities. All construction documents must be submitted to the County by October 1, 2015. Future maintenance of any landscaping/streetscaping will be the sole responsibility of the city.

RETAINING WALLS:

The parties agree that if the City wishes to include aesthetic treatment to any retaining walls, any construction cost above standard retaining wall cost will be at the expense of the requesting City.

UTILITIES:

The parties agree that the Exhibit "A" Layout does not include specific proposed utility locations, as those will be determined during later stages of the design process. The City will be responsible for the design of any sanitary sewer and water main improvements and/or relocations due to road reconstruction, which will be incorporated into the project bid documents. The cost of the design of these features shall be the responsibility of the City. In areas where relocations are solely due to the road reconstruction federal funds shall be applied.

The City's design of the sanitary sewer and water main utilities are to include signed plans, specifications, and estimated quantities and cost. All construction documents must be submitted to the County by October 1, 2015.

PERMITS:

The parties agree that the County will secure all necessary permits for this Project. The City agrees to coordinate with the County in securing the permits required by the Coon Creek Watershed District, city permits, as well as any other permits that may be required. The County also requests that the City inform the County of any ordinances or city regulations that affect construction at the time of the signing of this JPA. (e.g. setbacks, tree clearing ordinances, or any other city ordinances.)

III. COSTS

The contract costs of the work, or if the work is not contracted, the cost of all labor, materials, normal engineering costs and equipment rental required to complete the work, shall constitute the "actual construction costs" and shall be so referred to herein. "Estimated construction costs" are good faith projections of the costs, which will be incurred for this project. Actual costs will vary and those will be the costs for which the relevant parties will be responsible.

The estimated construction cost of the total project is $11,798,964.34. Federal funds available for the Project are capped at $7,840,000. The federal funds shall be split based on the ratio of eligible cost incurred by each party to the total eligible project cost. Eligible costs are the costs of items that can participate in federal funding as shown on Exhibit B.

The total estimated construction cost to the City is $367,333.84 (prior to application of federal funds available). After federal funding percentage is applied, the cost to the City for their share of the construction items of the Project is $135,712.04 ($367,333.94 minus $231,621.80, the federal funds available to the City).

The City participation in construction engineering will be at a rate of eight percent (8%) of their designated construction share of $367,333.84. The estimated cost to the City for construction engineering is $29,386.71. In summary, the total City share of this project is $389,970.54 (includes construction and construction engineering costs). The total cost to the city after federal funds have been applied including construction engineering is *** $165,098.75 (see summary below).**

*($367,333.84 – $231,621.80 + $29,386.71 = **$165,098.75** note: construction engineering costs are not federally eligible)

Upon award of the contract, the City shall pay to the County, upon written demand by the County, ninety five percent (95%) of its portion of the cost of the project estimated at $156,843.81. Prior to billing, this estimate will be updated by the County to reflect the actual bid prices as awarded. An updated cost estimate shall be provided to the City at the time of billing. The City's share of the cost of the project shall include only construction and construction engineering expense and does not include engineering design and administrative expenses incurred by the County.

Upon final completion of the project, the City's share of the construction cost will be based upon actual construction costs. If necessary, adjustments to the initial ninety five percent (95%) charged will be made in the form of credit or additional charges to the City's share. Also, the remaining five percent (5%) of the City's portion of the construction costs shall be paid.

The County agrees to submit to the City for review final quantities and cost within one year of project substantial completion.

IV. TERM

This Agreement shall continue until terminated as provided hereinafter.

V. DISBURSEMENT OF FUNDS

All funds disbursed by the County or City pursuant to this Agreement shall be disbursed by each entity pursuant to the method provided by law.

VI. CONTRACTS AND PURCHASES

All contracts let and purchases made pursuant to this Agreement shall be made by the County in conformance to the State laws.

VII. STRICT ACCOUNTABILITY

A strict accounting shall be made of all funds and report of all receipts and shall be made upon request by either party. Prior to city payment to the County, Anoka County shall provide the City a copy of all cost participation documents submitted to MnDOT State Aid to assist the city in their application for MSA funding.

VIII. TERMINATION

This Agreement may be terminated by either party at any time, with or without cause, upon not less than thirty (30) days written notice delivered by mail or in person to the other party. If notice is delivered by mail, it shall be deemed to be received two days after mailing. Such termination shall not be effective with respect to any solicitation of bids or any purchases of services or goods which occurred prior to such notice of termination. The City shall pay its pro rata share of costs which the County incurred prior to such notice of termination.

IX. SIGNALIZATION POWER

The City shall at their sole expense, install and cause the installation of an adequate electrical power source to the service cabinet for all the previously mentioned CSAH 116 traffic control signal systems including any necessary extension of power lines. The City shall be the lead agency in this matter. Upon completion of said traffic control signal installation, the ongoing cost of the electrical power to the signal shall be the sole cost and expense of the City.

X. MAINTENANCE

A. Maintenance of the completed storm sewer (except catch basins and catch basin leads), and detention basins (including ponds and their outlet structures and grit chambers/collectors) shall be the sole obligation of the City.

B. Maintenance of the bituminous trail shall be the responsibility of the City and Anoka County Parks and Recreation Department. The City shall be responsible for general routine maintenance, such as sweeping, clearing, trash removal, any plowing the City may require, trash removal and other incidental items. The County Parks and Recreation Department shall be responsible for long-term maintenance, such as bituminous overlays, crack sealing and replacement. Trail signage will be provided by and maintained by the County Parks and Recreation Department.

C. Maintenance of crosswalk pavement markings shall be the responsibility of the City and the County. The County will be responsible for the maintenance of the crosswalk pavement marking for the crossings at the signalized intersections. The City will be responsible for all crosswalk pavement markings for any trail/sidewalk crossings at all city streets.

D. Maintenance of streetlights and cost of electrical power to the streetlights shall be the sole

obligation of the City.

E. Maintenance of the completed traffic control signal and signal equipment at the intersection of CSAH 116/Jefferson St. NE shall be the sole obligation of the County.

F. The County shall maintain the said traffic signal controllers, traffic signal and pedestrian indications, loop detectors and associated wiring of the said traffic control signal at the sole obligation of the County.

G. Painting of the traffic signal shall be the sole obligation of the County. Any variation of painting color standards will be billed to the City.

H. Timing of the completed traffic control signal shall be determined by the County.

I. Only the County shall have access to the controller cabinets.

J. The traffic control signal shall be the property of the County.

K. The City shall be responsible for maintenance of the luminaries, luminaire relamping, and luminaire painting.

L. All maintenance of the EVP System shall be completed by the County. The City shall be billed by the County on a quarterly basis for all incurred costs.

M. EVP Emitter Units may be installed on and used only by Emergency Vehicles responding to an emergency as defined in Minnesota Statutes §169.01, Subdivision 5, and §169.03. The City shall provide a list to the County Engineer, or the County's duly appointed representative, of all such vehicles with emitter units on an annual basis.

N. Malfunctions of the EVP System shall be immediately reported to the County.

O. All timing of said EVP System shall be determined by the County.

P. In the event said EVP System or components are, in the opinion of the County, being misused, or the conditions set forth are violated, and such misuse or violation continues after receipt by the City, written notice thereof from the County, the County shall remove the EVP System. Upon removal of the EVP System pursuant to this paragraph, the field wiring, cabinet wiring, detector receiver, infrared detector heads and indicator lamps and all other components shall become the property of the County.

XI. NOTICE

For purposes of delivery of any notices herein, the notice shall be effective if delivered to the County Administrator of Anoka County, 2100 Third Avenue, Anoka, Minnesota 55303, on behalf of the County, and to the City Administrator of Ham Lake, 15544 Central Avenue NE, Ham Lake, MN 55304, on behalf of the City.

XII. INDEMNIFICATION

The City and County mutually agree to indemnify and hold harmless each other from any claims, losses, costs, expenses or damages resulting from the acts or omissions of the respective officers, agents, or employees relating to activities conducted by either party under this Agreement.

XIII. ENTIRE AGREEMENT REQUIREMENT OF A WRITING

It is understood and agreed that the entire agreement of the parties is contained herein and that this Agreement supersedes all oral agreements and all negotiations between the parties relating to the subject matter thereof, as well as any previous agreement presently in effect between the parties to the subject matter thereof. Any alterations, variations, or modifications of the provisions of this Agreement shall be valid only when they have been reduced to writing and duly signed by the parties.

IN WITNESS WHEREOF, the parties to this Agreement have hereunto set their hands on the dates written below.

COUNTY OF ANOKA

By: _____
Rhonda Sivarajah, Chair
Board of Commissioners

Dated: 12-5-15

ATTEST

By: _____
Jerry Soma
County Administrator

Dated: 12-5-15

RECOMMENDED FOR APPROVAL

By: _____
Douglas W. Fischer, P.E.
County Engineer

Dated: 11/23/15

APPROVED AS TO FORM

By: _____
Dan Klint
Assistant County Attorney

12/9/15

CITY OF HAM LAKE

By: _____
Michael G Van Kirk
Mayor

Dated: 11/2/15

By: _____
Denise Webster
City Clerk

Dated: 11/2/15

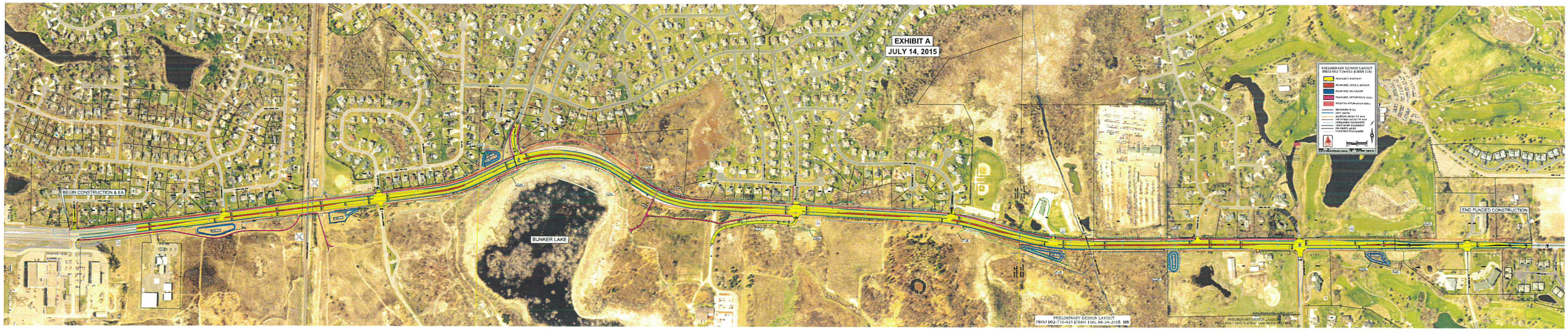
EXHIBIT A
JULY 14, 2015
BEGIN CONSTRUCTION & EA
BUNKER LAKE
END FUNDED CONSTRUCTION
PRELIMINARY DESIGN LAYOUT
PROJ 002-716-015 (CSAH 116) 06-24-2015 MK

EXHIBIT "A" = Project Layout
EXHIBIT "B" = Estimated Cost Share
EXHIBIT "C"= Cost Sharing Agreement
by MARIO 07-15-2015

EXHIBIT B
07-15-2015

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS
CSAH 116 (BUNKER LAKE BLVD) FROM CRANE STREET TO EAST OF JEFFERSON STREET

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL PROJECT QUANTITY		FEDERAL PARTICIPATING						STORM SEWER (D)		FEDERAL NON-PARTICIPATING											
														STATE AID PARTICIPATING						LOCAL					
						COUNTY OF ANOKA SP 002-716-015 (A)		CITY OF ANDOVER SP 198-020-034 (B)		CITY OF HAM LAKE SP 197-020-005 (C)		COUNTY=69.2% SP 002-716-015 CITY ANDOVER=23.9% SP 198-020-034 CITY HAM LAKE= 6.9% SP 197-020-005		COUNTY OF ANOKA SP 002-716-015 (E)		CITY OF ANDOVER SP 198-020-034 (F)		CITY OF HAM LAKE SP 197-020-005 (G)		COUNTY OF ANOKA CP 00-00 (H)		CITY OF ANDOVER CP 00-00 (I)		CITY OF HAM LAKE CP 00-00 (J)	
				QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	$550,000.00	1	$550,000.00	0.775	$426,250.00	0.128	$70,400.00	0.025	$13,750.00	0.072	$39,600.00												
2031.501	FIELD OFFICE TYPE D	EACH	$20,000.00	1	$20,000.00	0.775	$15,500.00	0.128	$2,560.00	0.025	$500.00	0.072	$1,440.00												
2041.610	TRAINEES	HOUR	$1.00	1,800	$1,800.00	1,800	$1,800.00																		
2101.501	CLEARING	ACRE	$3,000.00	10.15	$30,450.00	10.15	$30,450.00																		
2101.502	CLEARING	TREE	$150.00	515	$77,250.00	515	$77,250.00																		
2101.506	GRUBBING	ACRE	$3,000.00	10.15	$30,450.00	10	$30,450.00																		
2101.507	GRUBBING	TREE	$100.00	433	$43,300.00	433	$43,300.00																		
2104.501	REMOVE PIPE CULVERTS	LIN FT	$9.00	1	$9.00	1	$9.00																		
2104.501	REMOVE WATER MAIN	LIN FT	$10.00	300	$3,000.00			300	$3,000.00																
2104.501	REMOVE PIPE SEWERS	LIN FT	$12.00	940	$11,280.00	940	$11,280.00																		
2104.501	REMOVE CURB AND GUTTER	LIN FT	$2.75	9,964	$27,401.00	9,964	$27,401.00																		
2104.501	REMOVE BITUMINOUS CURB	LIN FT	$3.00	237	$711.00	237	$711.00																		
2104.501	REMOVE RETAINING WALL	LIN FT	$20.00	526	$10,520.00	526	$10,520.00																		
2104.501	REMOVE FENCE	LIN FT	$2.50	50	$125.00	50	$125.00																		
2104.503	REMOVE BITUMINOUS WALK	SQ FT	$0.50	59,726	$29,863.00	59,726	$29,863.00																		
2104.503	REMOVE CONCRETE WALK	SQ FT	$0.90	849	$764.10	849	$764.10																		
2104.503	REMOVE CONCRETE MEDIAN	SQ FT	$1.00	16,603	$16,603.00	16,603	$16,603.00																		
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	$8.00	15	$120.00	15	$120.00																		
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	$2.80	75,893	$212,500.40	75,893	$212,500.40																		
2104.509	REMOVE PIPE APRON	EACH	$350.00	8	$2,800.00	8	$2,800.00																		
2104.509	REMOVE MANHOLE OR CATCH BASIN	EACH	$350.00	10	$3,500.00	10	$3,500.00																		
2104.509	REMOVE BITUMINOUS FLUME	EACH	$300.00	3	$900.00	3	$900.00																		
2104.509	REMOVE CONCRETE FLUME	EACH	$500.00	2	$1,000.00	2	$1,000.00																		
2104.509	REMOVE SIGNAL SYSTEM	EACH	$6,500.00	2	$13,000.00	2	$13,000.00																		
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	$6.00	153	$918.00	153	$918.00																		
2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	$3.00	1,048	$3,144.00	1,048	$3,144.00																		
2104.523	SALVAGE GATE VALVE & BOX	EACH	$280.00	1	$280.00			1	$280.00																
2104.523	SALVAGE HYDRANT & VALVE	EACH	$750.00	4	$3,000.00			4	$3,000.00																
2104.523	SALVAGE SIGN TYPE C	EACH	$50.00	1	$50.00	1	$50.00																		
2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	$75.00	1	$75.00	1	$75.00																		
2104.523	SALVAGE MAIL BOX SUPPORT	EACH	$40.00	3	$120.00	3	$120.00																		
2104.601	HAUL SALVAGED MATERIAL	LUMP SUM	$1,000.00	1	$1,000.00	1	$1,000.00																		
2104.603	ABANDON WATER MAIN	LIN FT	$2.00	22	$44.00	22	$44.00																		
2105.501	COMMON EXCAVATION (EV) (P)	CU YD	$6.50	78,266	$508,729.00	78,266	$508,729.00																		
2105.501	COMMON EXCAVATION (EV) (PONDS)	CU YD	$7.00	26,120	$182,840.00	26,120	$182,840.00																		
2105.505	MUCK EXCAVATION	CU YD	$8.00	65,309	$522,472.00	62,397	$499,176.00			2,912	$23,296.00														
2105.507	SUBGRADE EXCAVATION (EV) (P)	CU YD	$6.50	32,593	$211,854.50	32,593	$211,854.50																		
2105.522	SELECT GRANULAR BORROW (LV)	CU YD	$11.00	36,283	$399,113.00	29,938	$329,314.35			6,345	$69,798.65														
2105.607	COMMON BORROW SPECIAL (CV)	CU YD	$30.00	78	$2,340.00	78	$2,340.00																		
2106.607	SELECT GRANULAR EMBANKMENT (CV) (TEMPORARY)	CU YD	$20.00	859	$17,180.00	859	$17,180.00																		
2123.509	DOZER	HOUR	$45.00	10	$450.00	10	$450.00																		
2130.501	WATER	M GALLON	$25.00	180	$4,500.00	180	$4,500.00																		
2211.501	AGGREGATE BASE CLASS 5	TON	$17.00	95	$1,615.00	95	$1,615.00																		
2211.503	AGGREGATE BASE (CV) CLASS 5 (P)	CU YD	$23.00	24,815	$570,745.00	24,815	$570,745.00																		
2221.503	SHOULDER BASE AGGREGATE (CV) CLASS 5	CU YD	$17.00	444	$7,548.00	444	$7,548.00																		
2232.501	MILL BITUMINOUS SURFACE	SQ YD	$2.00	679	$1,358.00	679	$1,358.00																		
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	$3.00	10,798	$32,394.00	10,798	$32,394.00																		
2360.501	TYPE SP 9.5 WEARING COURSE MIX (2B)	TON	$71.00	2,576	$182,896.00	1,648	$117,008.00	521	$36,991.00	407	$28,897.00														
2360.501	TYPE SP 12.5 WEARING COURSE MIX (2,B)	TON	$80.00	59	$4,720.00	59	$4,720.00																		
2360.501	TYPE SP 12.5 WEARING COURSE MIX (3,F)	TON	$70.00	25,599	$1,791,930.00	25,599	$1,791,930.00																		
2360.502	TYPE SP 12.5 NON WEAR COURSE MIX (3,B)	TON	$60.00	14,228	$853,680.00	14,228	$853,680.00																		
2360.505	TYPE SP 12.5 BITUMINOUS MIXTURE FOR PATCHING	TON	$85.00	29	$2,465.00	29	$2,465.00																		
2401.513	TYPE P-1 (TL-2) RAILING CONCRETE (3Y46)	LIN FT	$80.00	440	$35,200.00			440	$35,200.00																
2411.618	MODULAR BLOCK RETAINING WALL	SQ FT	$28.00	4,117	$115,276.00	2,559	$71,652.00	1,558	$43,624.00																
2411.618	ARCH CONC TEXTURE (SPLIT STONE)	SQ FT	$140.00	6,270.0	$877,800.00	1,491.0	$208,740.00	4,779	$669,060.00																
2412.511	14 x10 PRECAST CONCRETE BOX CULVERT	LIN FT	$1,050.00	105	$110,250.00			105	$110,250.00																
2412.512	14 x10 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	$19,000.00	1	$19,000.00			1	$19,000.00																
2422.618	WOOD NOISE BARRIER	SQ FT	$24.00	36,013	$864,300.00	36,013	$864,300.00																		
2451.501	STRUCTURE EXCAVATION CLASS U (P)	CU YD	$10.00	3,472	$34,720.00			3,472	$34,720.00																
2451.509	AGGREGATE BEDDING (CV)	CU YD	$30.00	62	$1,860.00	62	$1,860.00																		
2451.511	COARSE FILTER AGGREGATE	CU YD	$65.00	77	$5,005.00			77	$5,005.00																
2451.513	FINE FILTER AGGREGATE (LV)	CU YD	$100.00	101	$10,100.00	85	$8,500.00	16	$1,600.00																
2501.511	12" RC PIPE CULVERT CLASS III	LIN FT	$35.00	17	$595.00	17	$595.00																		
2501.511	15" RC PIPE CULVERT CLASS III	LIN FT	$25.00	59	$1,475.00	59	$1,475.00																		
2501.515	12" RC PIPE APRON	EACH	$625.00	4	$2,500.00	2	$1,250.00					2	$1,250.00												
2501.515	15" RC PIPE APRON	EACH	$650.00	19	$12,350.00	6	$3,900.00					13	$8,450.00												
2501.515	18" RC PIPE APRON	EACH	$675.00	7	$4,725.00							7	$4,725.00												
2501.515	21" RC PIPE APRON	EACH	$700.00	1	$700.00							1	$700.00												
2501.515	24" RC PIPE APRON	EACH	$750.00	4	$3,000.00							4	$3,000.00												
2501.515	33" RC PIPE APRON	EACH	$1,000.00	1	$1,000.00							1	$1,000.00												
2501.515	36" RC PIPE APRON	EACH	$1,200.00																						
2501.521	28" SPAN RC PIPE-ARCH CULVERT CLASS IIA	LIN FT	$80.00	125	$10,000.00	125	$10,000.00																		
2501.521	44" SPAN RC PIPE-ARCH CULVERT CLASS IIA	LIN FT	$180.00	146	$26,280.00	146	$26,280.00																		
2501.525	28" SPAN RC PIPE-ARCH APRON	EACH	$780.00	4	$3,120.00	2	$1,560.00					2	$1,560.00												
2501.525	44" SPAN RC PIPE-ARCH APRON	EACH	$1,200.00	2	$2,400.00	2	$2,400.00																		
2501.602	TRASH GUARD FOR 12" PIPE APRON	EACH	$320.00	3	$960.00	1	$320.00					2	$640.00												
2501.602	TRASH GUARD FOR 15" PIPE APRON	EACH	$380.00	11	$4,180.00	3	$1,140.00					8	$3,040.00												
2501.602	TRASH GUARD FOR 18" PIPE APRON	EACH	$450.00	1	$450.00							1	$450.00												
2501.602	TRASH GUARD FOR 28" SPAN PIPE APRON	EACH	$600.00	2	$1,200.00	2	$1,200.00																		
2501.602	TRASH GUARD FOR 44" SPAN PIPE APRON	EACH	$800.00	1	$800.00	1	$800.00																		
2502.541	4" PERF TP PIPE DRAIN (MOD)	LIN FT	$6.00	3,028	$18,168.00	2,548	$15,288.00					480	$2,880.00												
2503.521	28" SPAN RC PIPE-ARCH SEWER CL IIA	LIN FT	$80.00	560	$44,800.00							560	$44,800.00												
2503.541	12" RC PIPE SEWER DESIGN 3006 CL V	LIN FT	$32.00	40	$1,280.00							40	$1,280.00												

EXHIBIT "A" = Project Layout
EXHIBIT "B" = Estimated Cost Share
EXHIBIT "C"= Cost Sharing Agreement
by MARIO 07-15-2015

EXHIBIT B
07-15-2015

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS
CSAH 116 (BUNKER LAKE BLVD) FROM CRANE STREET TO EAST OF JEFFERSON STREET

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL PROJECT QUANTITY		FEDERAL PARTICIPATING						STORM SEWER (D)		FEDERAL NON-PARTICIPATING											
														STATE AID PARTICIPATING						LOCAL					
						COUNTY OF ANOKA SP 002-716-015 (A)		CITY OF ANDOVER SP 198-020-034 (B)		CITY OF HAM LAKE SP 197-020-005 (C)		COUNTY=69.2% SP 002-716-015 CITY ANDOVER=23.9% SP 198-020-034 CITY HAM LAKE= 6.9% SP 197-020-005		COUNTY OF ANOKA SP 002-716-015 (E)		CITY OF ANDOVER SP 198-020-034 (F)		CITY OF HAM LAKE SP 197-020-005 (G)		COUNTY OF ANOKA CP 00-00 (H)		CITY OF ANDOVER CP 00-00 (I)		CITY OF HAM LAKE CP 00-00 (J)	
				QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2503.541	15" RC PIPE SEWER DESIGN 3006 CL V	LIN FT	$30.00	6,762	$202,860.00							6,762	$202,860.00												
2503.541	18" RC PIPE SEWER DESIGN 3006 CL III	LIN FT	$32.00	1,972	$63,104.00							1,972	$63,104.00												
2503.541	21" RC PIPE SEWER DESIGN 3006 CL III	LIN FT	$35.00	702	$24,570.00							702	$24,570.00												
2503.541	24" RC PIPE SEWER DESIGN 3006 CL III	LIN FT	$40.00	951	$38,040.00							951	$38,040.00												
2503.541	30" RC PIPE SEWER DESIGN 3006 CL III	LIN FT	$50.00	579	$28,950.00							579	$28,950.00												
2503.541	33" RC PIPE SEWER DESIGN 3006 CL III	LIN FT	$60.00	782	$46,920.00							782	$46,920.00												
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	$600.00	1	$600.00							1	$600.00												
2503.602	PLUG AND ABANDON PIPE SEWER	EACH	$2,500.00	1	$2,500.00							1	$2,500.00												
2504.602	CONNECT TO EXISTING WATER MAIN	EACH	$1,000.00	2	$2,000.00			2	$2,000.00																
2504.602	6" GATE VALVE & BOX	EACH	$1,300.00	4	$5,200.00			4	$5,200.00																
2504.602	12" BUTTERFLY VALVE & BOX	EACH	$2,750.00	2	$5,500.00			2	$5,500.00																
2504.602	HYDRANT	EACH	$4,500.00	4	$18,000.00			4	$18,000.00																
2504.602	ADJUST HYDRANT & GATE VALVE	EACH	$1,000.00	2	$2,000.00			2	$2,000.00																
2504.602	ADJUST GATE VALVE & BOX	EACH	$300.00	2	$600.00			2	$600.00																
2504.603	6" WATERMAIN DUCTILE IRON CL 52	LIN FT	$35.00	15	$525.00			15	$525.00																
2504.603	12" WATERMAIN DUTILE IRON CL 52	LIN FT	$60.00	300	$18,000.00			300	$18,000.00																
2504.604	4" POLYSTYRENE INSULATION	SQ YD	$40.00	21	$840.00			21	$840.00																
2504.608	DUCTILE IRON FITTINGS	POUND	$6.00	900	$5,400.00			900	$5,400.00																
2506.501	CONST. DRAINAGE STRUCTURE DESIGN H	LIN FT	$250.00	138.8	$34,695.00							138.8	$34,695.00												
2506.501	CONST. DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	$290.00	456.1	$132,259.34							456.1	$132,259.34												
2506.501	CONST. DRAINAGE STRUCTURE DESIGN 54-4020	LIN FT	$350.00	32.6	$11,406.50							32.6	$11,406.50												
2506.501	CONST. DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	$350.00	44.4	$15,547.00							44.4	$15,547.00												
2506.501	CONST. DRAINAGE STRUCTURE DESIGN 66-4021	LIN FT	$470.00	5.8	$2,702.50							5.8	$2,702.50												
2506.501	CONST. DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	$510.00	24.5	$12,495.00							24.50	$12,495.00												
2506.516	CASTING ASSEMBLY	EACH	$650.00	172	$111,800.00							172.0	$111,800.00												
2506.522	ADJUST FRAME & RING CASTING	EACH	$610.00	2	$1,220.00	2	$1,220.00																		
2511.501	RANDOM RIPRAP CLASS II	CU YD	$100.00	826	$82,600.00	826	$82,600.00																		
2511.515	GEOTEXTILE FILTER TYPE III	SQ YD	$3.50	2,011	$7,038.50	2,011	$7,038.50																		
2521.501	4" CONCRETE WALK	SQ FT	$3.30	95,076	$313,750.80	92,361	$304,791.30	2,715	$8,959.50																
2521.501	6" CONCRETE WALK	SQ FT	$5.50	1,763	$9,696.50	1,763	$9,696.50																		
2531.501	CONCRETE CURB & GUTTER DESIGN B418 (MOD)	LIN FT	$11.00	22,821	$251,031.00	22,821	$251,031.00																		
2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	$12.50	20,014	$250,175.00	10,884	$136,050.00	6,934	$86,675.00	2,196	$27,450.00														
2531.501	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	$14.00	173	$2,422.00	105	$1,463.00	69	$959.00																
2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	$13.50	370	$4,995.00	185	$2,497.50	185	$2,497.50																
2531.501	CONCRETE CURB & GUTTER DESIGN B618 (MOD)	LIN FT	$15.00	856	$12,840.00	856	$12,840.00																		
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	$16.00	496	$7,936.00	248	$3,968.00	248	$3,968.00																
2531.503	CONCRETE MEDIAN (NOSE)	SQ YD	$50.00	71	$3,550.00	71	$3,550.00																		
2531.604	CONCRETE DRAINAGE FLUME	SQ YD	$65.00	90	$5,850.00	90	$5,850.00																		
2531.618	TRUNCATED DOMES	SQ FT	$28.00	500	$14,000.00			380	$10,640.00	120	$3,360.00														
2533.507	PORTABLE PRECAST CONC BARRIER DES 8337	LIN FT	$22.00	1,560	$34,320.00	1,560	$34,320.00																		
2535.501	BITUMINOUS CURB	LIN FT	$4.00	26	$104.00	26	$104.00																		
2540.602	INSTALL MAIL BOX SUPPORT	EACH	$150.00	3	$450.00	3	$450.00																		
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	$75.00	3	$225.00	3	$225.00																		
2557.501	WIRE FENCE DESIGN SPECIAL VINYL COATED	LIN FT	$50.00	1,861	$93,050.00	1,136	$56,800.00	725	$36,250.00																
2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	$15,000.00	1	$15,000.00	0.775	$11,625.00	0.128	$1,920.00	0.025	$375.00	0.072	$1,080.00												
2563.601	TRAFFIC CONTROL	LUMP SUM	$80,000.00	1	$80,000.00	0.775	$62,000.00	0.128	$10,240.00	0.025	$2,000.00	0.072	$5,760.00												
2563.610	POLICE OFFICER	HOUR	$125.00	30	$3,750.00	30	$3,750.00																		
2564.531	SIGN PANELS TYPE C	SQ FT	$50.00	134	$6,700.00	134	$6,700.00																		
2564.552	HAZARD MARKER X4-3	EACH	$150.00	22	$3,300.00	22	$3,300.00																		
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM A	SIG SYS	$180,000.00	1	$180,000.00	0.33	$59,400.00	0.67	$120,600.00																
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM B	SIG SYS	$150,000.00	1	$150,000.00	0.25	$37,500.00			0.75	$112,500.00														
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM C	SIG SYS	$180,000.00	1	$180,000.00	0.375	$67,500.00	0.625	$112,500.00																
2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM A	LUMP SUM	$12,000.00	1	$12,000.00			1.0	$12,000.00																
2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM B	LUMP SUM	$8,000.00	1	$8,000.00					1.0	$8,000.00														
2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM C	LUMP SUM	$12,000.00	1	$12,000.00			1	$12,000.00																
2565.601	TRAFFIC CONTROL INTERCONNECTION	LUMP SUM	$100,000.00	1	$100,000.00	1	$100,000.00																		
2565.601	COUNTY FURNISHED MATERIAL (CONTROLLER CABINET)	LUMP SUM	$25,000.00	3	$75,000.00									0.96	$24,000.00	1.29	$32,250.00	0.75	$18,750.00						
2565.602	SIGNAL SERVICE CABINET	EACH	$10,000.00	2	$20,000.00	2	$20,000.00																		
2573.502	SILT FENCE, TYPE MS	LIN FT	$2.50	30,130	$75,325.00	30,130	$75,325.00																		
2573.530	STORM DRAIN INLET PROTECTION	EACH	$160.00	200	$32,000.00	200	$32,000.00																		
2573.533	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	$5.00	736	$3,680.00	736	$3,680.00																		
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	$12,000.00	1	$12,000.00	1	$12,000.00																		
2575.501	SEEDING (P)	ACRE	$400.00	16.5	$6,600.00	16.5	$6,600.00																		
2575.502	SEED MIXTURE 25-121	POUND	$5.00	569	$2,845.00	569	$2,845.00																		
2575.502	SEED MIXTURE 25-131	POUND	$4.00	696	$2,784.00	696	$2,784.00																		
2575.502	SEED MIXTURE 33-261	POUND	$22.00	68	$1,496.00	68	$1,496.00																		
2575.502	SEED MIXTURE 35-241	POUND	$15.00	67	$1,005.00	67	$1,005.00																		
2575.505	SODDING TYPE SALT TOLERANT	SQ YD	$9.00	18,028	$162,253.80	18,028	$162,253.80																		
2575.511	MULCH MATERIAL TYPE 1	TON	$160.00	18.4	$2,944.00	18.4	$2,944.00																		
2576.511	MULCH MATERIAL TYPE 3	TON	$500.00	3.5	$1,750.00	3.5	$1,750.00																		
2575.519	DISK ANCHORING (P)	ACRE	$60.00	11.2	$672.00	11.2	$672.00																		
2575.523	EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	$2.50	18,954	$47,385.00	18,954	$47,385.00																		
2575.532	FERTILIZER TYPE 3	POUND	$1.25	3,466	$4,332.50	3,466	$4,332.50																		
2575.532	FERTILIZER TYPE 4	POUND	$1.25	505	$631.25	505	$631.25																		
2575.571	RAPID STABILIZATION METHOD 3	M GALLON	$425.00	108.7	$46,197.50	108.7	$46,197.50																		
2582.501	PAVEMENT MESSAGE (LT ARROW) PREFORMED THERMOPLASTIC	EACH	$500.00	6	$3,000.00	6	$3,000.00																		
2582.501	PAVEMENT MESSAGE (RT ARROW) PREFORMED THERMOPLASTIC	EACH	$500.00	6	$3,000.00	6	$3,000.00																		

EXHIBIT "A" = Project Layout
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EXHIBIT "C"= Cost Sharing Agreement
by MARIO 07-15-2015

EXHIBIT B
07-15-2015

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS
CSAH 116 (BUNKER LAKE BLVD) FROM CRANE STREET TO EAST OF JEFFERSON STREET

ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL PROJECT QUANTITY		FEDERAL PARTICIPATING						STORM SEWER (D)		FEDERAL NON-PARTICIPATING											
						COUNTY OF ANOKA SP 002-716-015 (A)		CITY OF ANDOVER SP 198-020-034 (B)		CITY OF HAM LAKE SP 197-020-005 (C)		COUNTY=69.2% SP 002-716-015 CITY ANDOVER=23.9% SP 198-020-034 CITY HAM LAKE= 6.9% SP 197-020-005		STATE AID PARTICIPATING						LOCAL					
														COUNTY OF ANOKA SP 002-716-015 (E)		CITY OF ANDOVER SP 198-020-034 (F)		CITY OF HAM LAKE SP 197-020-005 (G)		COUNTY OF ANOKA CP 00-00 (H)		CITY OF ANDOVER CP 00-00 (I)		CITY OF HAM LAKE CP 00-00 (J)	
				QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2582.502	24" SOLID LINE WHITE - PREFORMED THERMOPLASTIC	LIN FT	$18.00	263	$4,734.00	263	$4,734.00																		
2582.502	24" SOLID LINE YELLOW - PREFORMED THERMOPLASTIC	LIN FT	$18.00	555	$9,990.00	555	$9,990.00																		
2582.502	4" SOLID LINE WHITE - EPOXY	LIN FT	$0.30	32,510	$9,753.00	32,510	$9,753.00																		
2582.502	4" BROKEN LINE WHITE - EPOXY	LIN FT	$0.40	5,021	$2,008.40	5,021	$2,008.40																		
2582.502	8" BROKEN LINE WHITE - EPOXY	LIN FT	$4.20	160	$672.00	160	$672.00																		
2582.502	4" SOLID LINE YELLOW - EPOXY	LIN FT	$0.60	25,215	$15,129.00	25,215	$15,129.00																		
2582.502	4" DOUBLE SOLID LINE YELLOW - EPOXY	LIN FT	$0.65	3,455	$2,245.75	3,455	$2,245.75																		
2582.503	CROSSWALK MARKING - WHITE PREFORMED THERMOPLASTIC	SQ FT	11.00	792	$8,712.00	792	$8,712.00																		
	SUBTOTAL				$11,798,964.34		$9,071,969.35		$1,511,964.00		$289,926.65		$850,104.34		$24,000.00		$32,250.00		$18,750.00						
					11,798,964.34		A		B		C		D		E		F		G		H		I		J

Federal Funds Available SP 002-716-012	$7,840,000.00
Match Amount (Anoka County)	
Total Federal Funds Available	$7,840,000.00
% Federal Funding	66.45%

Funding Group:		Group A	Group B	Group C	Group D	Group E	Group F	Group G	Group H	Group I	Group J
Totals:	$11,798,964.34	$9,071,969.35	$1,511,964.00	$289,926.65	$850,104.34	$24,000.00	$32,250.00	$18,750.00			
Total Federal Eligible Items:	$11,798,964.34	$9,071,969.35	$1,511,964.00	$289,926.65	$850,104.34	$24,000.00	$32,250.00	$18,750.00			
Federal Funds Available	$7,840,000.00	$6,077,841.88	$1,004,647.31	$192,646.14	$564,864.67						

SP 002-716-015, CSAH 116 (From Crane St. to East of Jefferson St.) Improvement Project - FUNDING SPLITS

	PROJECT TOTALS	ANOKA COUNTY				CITY OF ANDOVER				CITY OF HAM LAKE			
		TOTALS	FEDERAL FUNDS	STATE AID FUNDS	LOCAL FUNDS (H)	TOTALS	FEDERAL FUNDS	STATE AID FUNDS	LOCAL FUNDS (I)	TOTALS	FEDERAL FUNDS	STATE AID FUNDS	LOCAL FUNDS (J)
ROADWAY	10,948,860.00	9,095,969.35	6,077,841.88	3,018,127.47		1,544,214.00	1,004,647.31	539,566.69		308,676.65	192,646.14	116,030.51	
DRAINAGE (69.2% County, 23.9% Andover, 6.9% Ham Lake)	850,104.34	588,272.20	390,886.35	197,385.85		203,174.93	135,002.65	68,172.28		58,657.19	38,975.66	19,681.53	
CONSTRUCTION TOTAL	11,798,964.34	9,684,241.55	6,468,728.23	3,215,513.33		1,747,388.93	1,139,649.96	607,738.97		367,333.84	231,621.80	135,712.04	
8% CONSTRUCTION ENGINEERING	943,917.15	774,739.32		774,739.32		139,791.11		139,791.11		29,386.71		29,386.71	
DESIGN ENGINEERING													
RIGHT OF WAY													
UTILITY RELOCATION													
PROJECT TOTAL	12,742,881.49	10,458,980.88	6,468,728.23	3,990,252.65		1,887,180.04	1,139,649.96	747,530.08		396,720.54	231,621.80	165,098.75	

Dated:_____

EXHIBIT "C"

COST-SHARING AGREEMENT
FOR PROJECTS CONSTRUCTED IN ANOKA COUNTY
USING COUNTY STATE AID FUNDS OR LOCAL TAX LEVY DOLLARS

ITEMS	COUNTY SHARE	CITY SHARE
Concrete Curb & Gutter	50%	50%
Concrete Curb & Gutter for Median Construction	100%	0%
Concrete Median	100%	0*1
Concrete Sidewalk	0%	100%
Concrete Sidewalk Replacement	100%	0%
Bikeways	0%	100%
Bikeway Replacement	100%, Unless existing trail not placed at edge of R/W	0%
Construction or Adjustment of Local Utilities	0%	100%
Grading, Base and Bituminous	100%	0%
Storm Sewer	based on state aid letter*2	based on state aid letter*2
Driveway Upgrades	100%, in-kind	100%, of up-grades
Traffic Signals, new & replacements (communities larger than 5,000) w/ State Aid approved SJR	½ the cost of its legs of the intersection	the cost of its legs of the intersection plus ½ the cost of the County legs of the intersection
Traffic Signals, new & replacements (communities less than 5,000) w/ State Aid approved SJR	100%	0%
Traffic Signal, w/o State Aid approved SJR	0%	100%
EVP	0%	100%
Engineering Services	*3	*3
Right-of-Way	100%*4	0%
Street Lights	0%	100%
Noise Walls	100%, if not previously notified*5	100%, if previously notified*5

*1 The County pays for 100% of Standard Median Design such as plain concrete. If a local unit of government requests decorative median such as brick, stamped concrete, or landscaping, the local unit will pay the additional cost above the cost of standard median.

*2 In the event no State Aid is being used, or in the event the state aid letter does not determine cost split percentages, drainage cost shares will be computed by the proportion of contributing flow outside the County right of way to the total contributing flow.

*3 Engineering shall be paid by the Lead Agency except that any participating agency will pay construction engineering in the amount of 8% of the construction costs paid by that agency.

*4 In the event that the Township or City requests purchase of right-of-way in excess of those right-of-ways required by County construction, the Township or City participates to the extent an agreement can be reached in these properties. For instance, a Township or City may request a sidewalk be constructed alongside a County roadway which would require additional right-of-way, in which case the Township or City may pay for that portion of the right-of-way. Acquisition of right-of-way for new alignments shall be the responsibility of the Township or City in which the alignment is located. This provision may be waived by agreement with the County Board if the roadway replaces an existing alignment and the local unit of government takes jurisdiction of that existing alignment. In addition, any costs, including right-of-way costs, incurred by the County because a Township or City did not acquire sufficient right-of-way during the platting process or redevelopment process as requested by the County shall be paid by the Township or City.

*5 Notification includes any letter to the agency indicating that noise will potentially be an issue in the future, likely received during the Plat Review Process. Maintenance shall be the responsibility of the agency paying for the initial installation. When the County is the

responsible agency, it shall pay 100% of Standard Noise Wall Cost. If a local agency requests decorative noise walls, the requesting agency will pay the additional cost above the cost of standard noise wall.