

**JOINT POWERS AGREEMENT  
FOR THE IMPROVEMENTS OF CSAH 78 (HANSON BOULEVARD)  
FROM CR 18 (CROSTOWN BOULEVARD) TO 155<sup>th</sup> LANE  
PROJECT NO. S.A.P. 02-678-18**

THIS AGREEMENT is made and entered into this \_\_\_ day of \_\_\_\_\_, 2005 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 Andover, 1685 Crosstown Blvd., NW, Andover, MN, 55304, hereinafter referred to as the "City".

WITNESSETH

WHEREAS, the parties to this agreement consider it mutually desirable to reconstruct County State Aid Highway No. 78 (Hanson Blvd) from CR 18 (Crosstown Blvd) to 155<sup>th</sup> Lane including a traffic control signal at 154<sup>th</sup> Avenue to improve the safety of the intersection; and,

WHEREAS, the parties agree that the County shall cause the reconstruction of County State Aid Highway No. 78 (Hanson Blvd) from CSAH 18 (Crosstown Blvd) to 155<sup>th</sup> Lane; and,

WHEREAS, the County prepared plans and specifications for S.A.P. 02-678-18 which plans and specifications are on file in the office of the County Engineer; and,

WHEREAS, the County has received State funds through the Local Road Improvement Program to improve the intersection at CSAH 78 (Hanson Blvd) at 154<sup>th</sup> Avenue; 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, and traffic control system on a portion of County State Aid Highway No. 78 (Hanson Blvd) from approximately 0.08 mile north of CR 18 to approximately 0.05 miles south of 155<sup>th</sup> Lane; as described in the plans and specifications numbered SAP 02-678-18 on file in the office of the Anoka County Highway Department (hereinafter collectively referred to as "Project").

The Project consists of three (3) parts as shown in Exhibit A, the plan layout for the project. The first part of the project includes reconstruction of CSAH 78 from 0.08 miles north of CR 18 to 0.1 miles north of Bluebird Street which includes construction of a raised median on CSAH 78 with a south bound only left turn lane into Bluebird Street as well as a raised median on Bluebird Street either on the east side of Hanson Blvd. to prohibit left turn out access. This part of the Project is hereinafter collectively referred to as the "Bluebird Improvements". The second part of the Project is within the limits of the Bluebird Improvements on Hanson Blvd and includes the construction of the south bound Hanson Blvd right turn lane into Bluebird Street as well as all approach construction on Bluebird west

of Hanson Blvd. This part of the Project is hereinafter collectively referred to as the "Community Center Turn Lane Improvements" with a project number SAP 198-020-026. The third part of the Project includes reconstruction of CSAH 78 from 0.1 miles north of Bluebird Street to 0.05 miles south of 155<sup>th</sup> Lane including channelization and signalization of 154<sup>th</sup> Lane at CSAH 78. This part of the Project is hereinafter collectively referred to as the "154<sup>th</sup> Improvements".

## II. METHOD

The County shall provide all engineering services and shall cause the construction of Anoka County Project S.A.P. 02-678-18 in conformance with said engineering plans and specifications. The County shall do the calling for all bids and acceptance of all bid proposals.

## III. COSTS

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

B. The estimated cost of the Project is \$1,353,116.35 shown on Exhibit B. Participation in the Project cost is as follows:

1. The City shall pay ninety four percent (94%) of the cost of Bluebird Improvements including construction and engineering. The total estimated cost of the Bluebird Improvements is \$303,041.14 of which the City's estimated share is \$284,858.67
2. The City shall pay one hundred percent (100%) of the cost of Community Center Turn Lane Improvements including construction and engineering. The City's estimated share is \$75,292.64
3. The City agrees to contribute \$100,000.00 to the 154th Improvements. The City is responsible for obtaining portions of its share from other parties.
4. The County shall pay six percent (6%) of the cost of the Bluebird Improvements including construction and engineering. This represents the cost of the extra widening of Hanson Boulevard to construct 12-foot shoulders (instead of 8-foot shoulders) to account for the future 4-lane section. The percentage is based on the ratio of area of the widening to the total Bluebird Improvements area as shown in Exhibit C. The total estimated cost of the Bluebird Improvements is \$303,041.14 of which the County's estimated share is \$18,182.47.
5. The County shall pay zero percent (0%) of the cost of the Community Center Turn Lane Improvements.
6. The County shall be responsible for all remaining construction and engineering costs.
7. The County shall enter into a separate agreement with the Anoka-Hennepin School District #11 for cost share of the 154<sup>th</sup> Improvements

The Cost participation is summarized below:

City of Andover	\$460,151.31
Anoka County	All remaining Costs

The total estimated cost to the City for the Project is \$460,151.13

C. Upon final execution of the joint powers agreement and award of the contract, the City shall pay to the County, upon written demand by the County, ninety-five (95%) of its portion of the cost of the Bluebird Improvements and Community Center Turn Lane Improvements estimated at \$342,143.74 and 100% of its portion of the 154<sup>th</sup> Improvements at \$100,000 for a total of \$442,143.74. The City's share for the project shall include only construction and engineering expense and shall not include administration expenses incurred by the County.

D. Upon final completing of the project, the City's share of the construction cost of the Bluebird Improvements and Community Center Turn Lane Improvements will be based upon actual construction costs. If necessary, adjustments to the initial Ninety-Five (95%) charged will be made in the form of credit or additional charges to the City's share. The remaining Five (5)% of the City's portion of the Bluebird Improvements and Community Center Turn Lane Improvements shall be paid upon written demand by the County.

#### 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.

#### 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 or cause the installation of an adequate electrical power source to the service cabinet for the intersection of Hanson Blvd and 154<sup>th</sup> Avenue, 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 watermain, sanitary sewer, storm sewer (except catch basins and catch basin leads), detention basins (including ponds and their outlet structures and grit chambers/collectors) shall be the sole obligation of the City.

B. Maintenance of all trails and sidewalks, including snow plowing, shall be the sole responsibility of the City.

C. Maintenance of streetlights and cost of electrical power to the streetlights shall be the sole obligation of the City.

D. Painting of the traffic signal system at Hanson Blvd and 154<sup>th</sup> Avenue shall be the sole obligation of the County.

E. Timing of the traffic signal at Hanson Blvd and 154<sup>th</sup> Avenue shall be determined by the County.

F. Only the County shall have access to the controller cabinet.

G. The traffic control signal at Hanson Blvd and 154<sup>th</sup> Avenue shall be the property of the County.

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

I. 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.

J. 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.

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

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

M. 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.

IX. 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 Andover, 1685 Crosstown Blvd., NW, Andover, MN, 55304, on behalf of the City.

X. 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.

XI. ENTIRE AGREEMENT REQUIREMENT OF 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**

**CITY OF ANDOVER**

By: \_\_\_\_\_  
Margaret Langfeld, Chair  
Anoka County Board of Commissioners

By: \_\_\_\_\_  
Mike Gamache  
Mayor

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

**ATTEST**

By: \_\_\_\_\_  
John "Jay" McLinden  
Anoka County Administrator

By: \_\_\_\_\_  
Jim Dickinson  
City Administrator

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

**RECOMMENDED FOR APPROVAL**

By: \_\_\_\_\_  
Douglas W. Fischer, P.E.  
Anoka County Engineer

By: \_\_\_\_\_  
Dave Berkowitz, P.E.  
City Engineer

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

**APPROVED AS TO FORM**

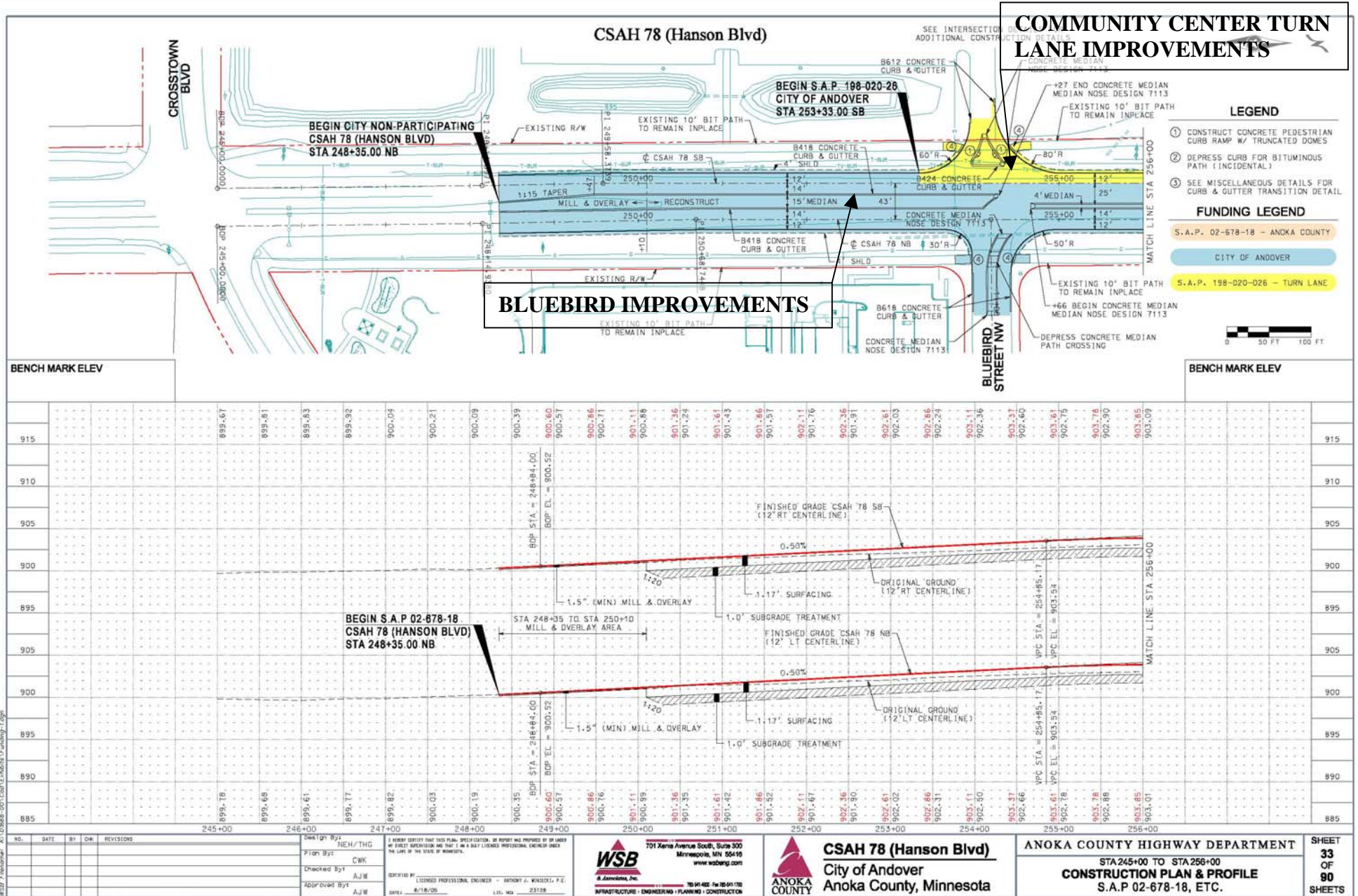
By: \_\_\_\_\_  
Dan Klint  
Assistant Anoka County Attorney

By: \_\_\_\_\_  
City Attorney

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

# EXHIBIT A



8/18/09  
 WSB  
 A. CRISER, DOR, Coor. Exhibit Funding - Log

NO.	DATE	BY	CHK	REVISIONS

Design By: NEH/THG  
 Plott By: CWK  
 Checked By: AJW  
 Approved By: AJW

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER THE DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

CERTIFIED BY: LICENSED PROFESSIONAL ENGINEER - MATTHEW J. WENZEL, P.E.  
 DATE: 8/18/09 LIT. NO. 23128

**WSB**  
 A. Anderson, Inc.  
 701 Xenia Avenue South, Suite 300  
 Minneapolis, MN 55416  
 www.wsbeng.com

**CSAH 78 (Hanson Blvd)**  
 City of Andover  
 Anoka County, Minnesota

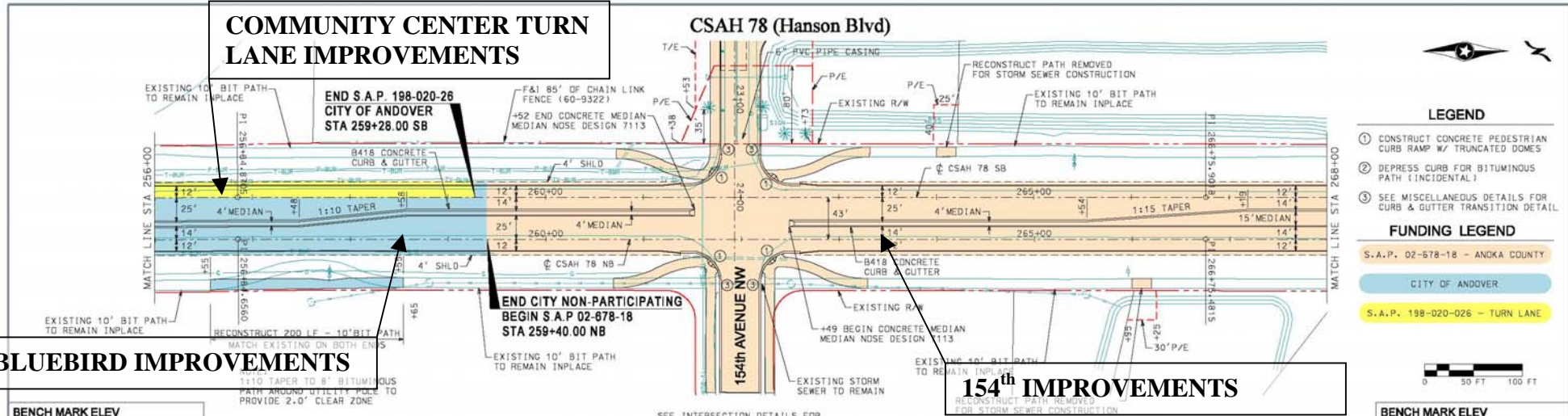
**ANOKA COUNTY HIGHWAY DEPARTMENT**  
 STA 245+00 TO STA 256+00  
**CONSTRUCTION PLAN & PROFILE**  
 S.A.P. 02-678-18, ETC.

SHEET  
**33**  
 OF  
**90**  
 SHEETS

# EXHIBIT A

## COMMUNITY CENTER TURN LANE IMPROVEMENTS

## CSAH 78 (Hanson Blvd)



### LEGEND

- ① CONSTRUCT CONCRETE PEDESTRIAN CURB RAMP W/ TRUNCATED DOMES
- ② DEPRESS CURB FOR BITUMINOUS PATH (INCIDENTAL)
- ③ SEE MISCELLANEOUS DETAILS FOR CURB & GUTTER TRANSITION DETAIL

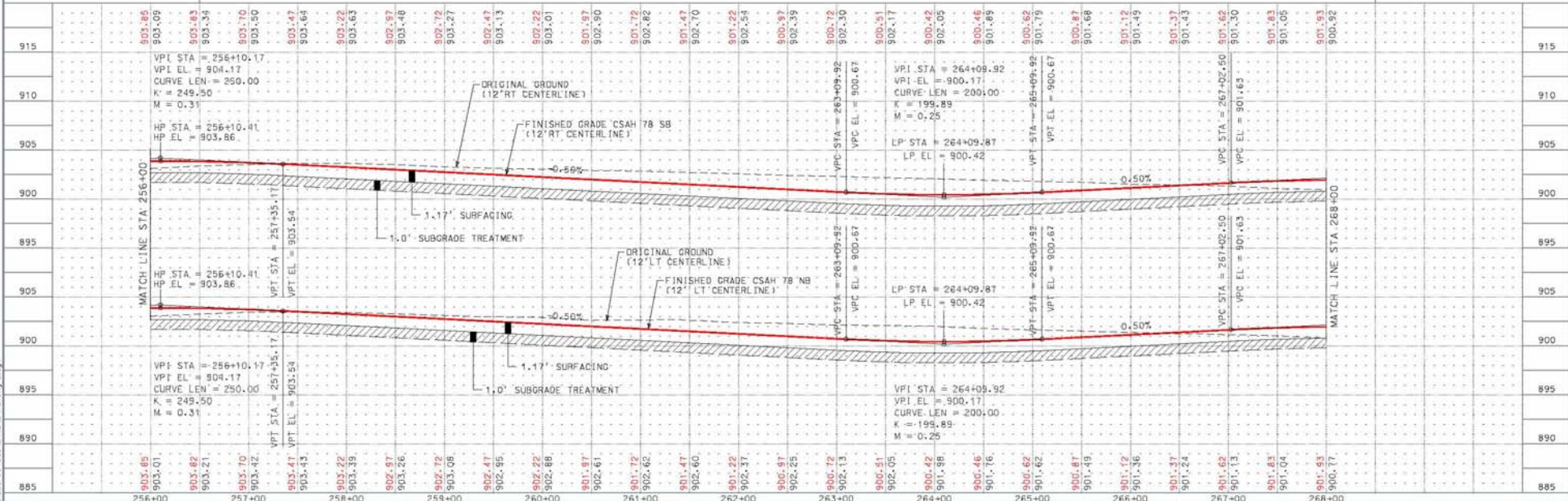
### FUNDING LEGEND

- S.A.P. 02-678-18 - ANOKA COUNTY
- CITY OF ANDOVER
- S.A.P. 198-020-026 - TURN LANE

## BLUEBIRD IMPROVEMENTS

## 154th IMPROVEMENTS

### BENCH MARK ELEV



### BENCH MARK ELEV

Date Plotted: 8/29/2005  
 WSB - Con/Cont/Exhibits/Utility/2.dwg

NO.	DATE	BY	CHK	REVISIONS

Drawn by: NEH/THG	<b>WSB</b> 701 Xenia Avenue South, Suite 300 Minneapolis, MN 55416 www.wsb.org 763-414-0000 Fax 763-414-1700 INFRASTRUCTURE • ENGINEERING • PLANNING • CONSTRUCTION
Plotted by: CWK	
Checked by: AJW	
Approved by: AJW	

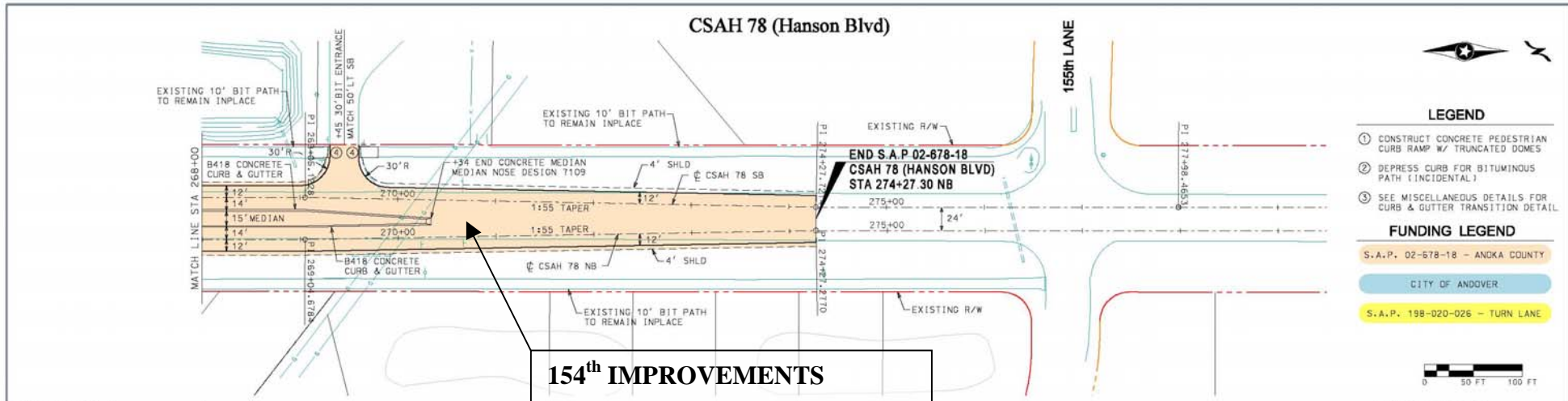
CERTIFIED BY: LEONARD PROFESSIONAL ENGINEER - ANTHONY J. WITKICKI, P.E.	<b>ANOKA COUNTY</b> CSAH 78 (Hanson Blvd) City of Andover Anoka County, Minnesota
DATE: 8/18/05 L.S. NO.: 23128	

<b>ANOKA COUNTY HIGHWAY DEPARTMENT</b> STA 256+00 TO STA 268+00 <b>CONSTRUCTION PLAN &amp; PROFILE</b> S.A.P. 02-678-18, ETC.	<b>SHEET 34 OF 90 SHEETS</b>
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# EXHIBIT A



### LEGEND

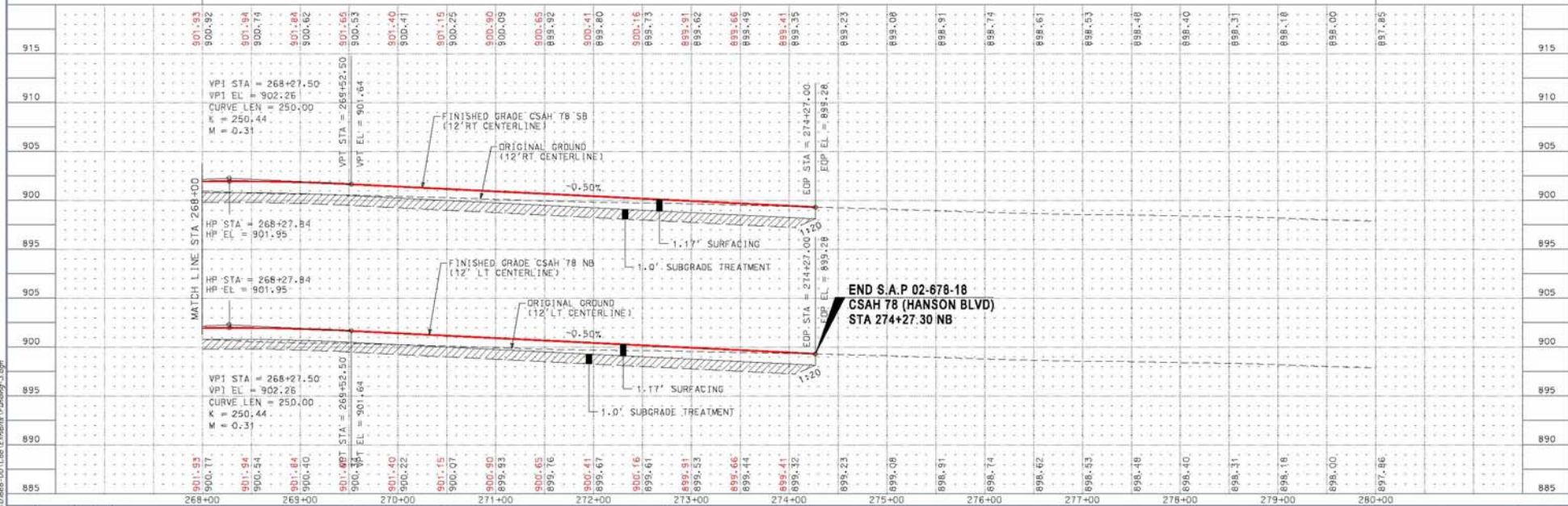
- ① CONSTRUCT CONCRETE PEDESTRIAN CURB RAMP W/ TRUNCATED DOME'S
- ② DEPRESS CURB FOR BITUMINOUS PATH (INCIDENTAL)
- ③ SEE MISCELLANEOUS DETAILS FOR CURB & GUTTER TRANSITION DETAIL

### FUNDING LEGEND

- S.A.P. 02-678-18 - ANOKA COUNTY
- CITY OF ANDOVER
- S.A.P. 198-020-026 - TURN LANE



### BENCH MARK ELEV



### BENCH MARK ELEV

Date Plotted: 8/29/2005  
 WSP Filename: C:\2688-Cont\Exh154\154FundProf.dwg

NO.	DATE	BY	CHK	REVISIONS

Drawn By: NEH/THG  
 Plotted By: CWK  
 Checked By: AJW  
 Approved By: AJW

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

CERTIFIED BY: LICENSED PROFESSIONAL ENGINEER - ANTHONY J. WENTZEL, P.E.  
 DATE: 8/18/05 L.S. NO. 23128

**701 Xena Avenue South, Suite 300**  
 Minneapolis, MN 55416  
[www.wsb.org](http://www.wsb.org)  
 INFRASTRUCTURE • ENGINEERING • PLANNING • CONSTRUCTION

**CSAH 78 (Hanson Blvd)**  
 City of Andover  
 Anoka County, Minnesota

**ANOKA COUNTY HIGHWAY DEPARTMENT**  
 STA 268+00 TO STA 280+00  
**CONSTRUCTION PLAN & PROFILE**  
 S.A.P. 02-678-18, ETC.

**SHEET 35 OF 90 SHEETS**

# EXHIBIT B

WSB Project: CSAH 78 (Hanson Boulevard)  
 Project Location: Anoka County, MN  
 WSB Project No: 1666-00

Design by: NEH / THG  
 Checked by: AJW / CTR  
 Date: 8/18/05

## Opinion of Probable Cost

TAB	SHEET No.	Item Number	Description	Notes	Unit	Unit Price	Project Total		City of Andover Non-Participating CSAH 78 Roadway		Anoka County S.A.P. 02-678-18 CSAH 78 Roadway		City of Andover S.A.P. 198-020-26 CSAH 78 Turn Lane	
							Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost
		2021.501	MOBILIZATION		LUMP SUM	\$50,000.00	1.00	\$50,000.00	0.22	\$11,000.00	0.72	\$36,000.00	0.06	\$3,000.00
		2031.501	FIELD OFFICE TYPE D-MODIFIED		EACH	\$7,500.00	1.00	\$7,500.00	0.22	\$1,650.00	0.72	\$5,400.00	0.06	\$450.00
		2101.502	CLEARING		TREE	\$200.00	4	\$800.00			4	\$800.00		
		2101.507	GRUBBING		TREE	\$200.00	4	\$800.00			4	\$800.00		
H	20	2102.502	PAVEMENT MARKING REMOVAL	12	LIN FT	\$0.35	4420	\$1,547.00			4420	\$1,547.00		
		2104.501	REMOVE PIPE CULVERTS	10	LIN FT	\$6.50	332	\$2,158.00	190	\$1,235.00	142	\$923.00		
		2104.501	REMOVE SEWER PIPE (STORM)		LIN FT	\$12.00	70	\$840.00			70	\$840.00		
A	6	2104.501	REMOVE CURB AND GUTTER		LIN FT	\$3.00	1091	\$3,273.00	516	\$1,548.00	575	\$1,725.00		
		2104.501	REMOVE CHAIN LINK FENCE		LIN FT	\$3.50	85	\$297.50			85	\$297.50		
A	6	2104.503	REMOVE CONCRETE WALK		SQ FT	\$1.50	2240	\$3,360.00	2240	\$3,360.00				
A	6	2104.505	REMOVE BITUMINOUS PAVEMENT		SQ YD	\$1.75	17105	\$29,933.75	5583	\$9,770.25	10928	\$19,124.00	594	\$1,039.50
		2104.509	REMOVE CONCRETE APRON		EACH	\$100.00	2	\$200.00			2	\$200.00		
		2104.509	REMOVE MANHOLE OR CATCH BASIN		EACH	\$200.00	2	\$400.00			2	\$400.00		
B	6	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	\$6.00	24	\$144.00	6	\$36.00	18	\$108.00		
B	6	2104.513	SAWING BIT PAVEMENT (FULL DEPTH)		LIN FT	\$3.00	4076	\$12,228.00	1614	\$4,842.00	2346	\$7,038.00	116	\$348.00
M,P	54	2104.523	SALVAGE SIGN TYPE C		EACH	\$40.00	49	\$1,960.00	17	\$680.00	32	\$1,280.00		
O	54	2104.523	SALVAGE SIGN TYPE D		EACH	\$40.00	2	\$80.00	1	\$40.00	1	\$40.00		
L,N	54	2104.523	SALVAGE SIGN TYPE SPECIAL		EACH	\$40.00	11	\$440.00	9	\$360.00	2	\$80.00		
		2104.523	SALVAGE TEMPORARY BARRICADES	24	EACH	\$150.00	5	\$750.00			5	\$750.00		
		2104.523	SALVAGE PLASTIC DRUM CHANNELIZER	24	EACH	\$50.00	27	\$1,350.00			27	\$1,350.00		
F	10	2105.501	COMMON EXCAVATION (P)		CU YD	\$3.65	17172	\$62,677.80	5751	\$20,991.15	10715	\$39,109.75	706	\$2,576.90
		2123.610	STREET SWEEPER (WITH PICKUP BROOM)	3,7	hour	\$80.00	16	\$1,280.00			16	\$1,280.00		
		2130.501	WATER	3,7	M GALLONS	\$20.00	100	\$2,000.00			100	\$2,000.00		
		2131.502	CALCIUM CHLORIDE SOLUTION	3,7	GALLON	\$1.50	1000	\$1,500.00			1000	\$1,500.00		
C	7	2211.503	AGGREGATE BASE (CV) CLASS 5 (P)		CU YD	\$21.00	4955	\$104,055.00	1605	\$33,705.00	3012	\$63,252.00	338	\$7,098.00

# EXHIBIT B

WSB Project: CSAH 78 (Hanson Boulevard)  
 Project Location: Anoka County, MN  
 WSB Project No: 1666-00

Design by: NEH / THG  
 Checked by: AJW / CTR  
 Date: 8/18/05

## Opinion of Probable Cost

TAB	SHEET No.	Item Number	Description	Notes	Unit	Unit Price	Project Total		City of Andover Non-Participating CSAH 78 Roadway		Anoka County S.A.P. 02-678-18 CSAH 78 Roadway		City of Andover S.A.P. 198-020-26 CSAH 78 Turn Lane	
							Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost
C	7	2221.607	AGGREGATE SHOULDERING (CV), CLASS 7B		CU YD	\$21.00	1308	\$27,468.00	423	\$8,883.00	721	\$15,141.00	164	\$3,444.00
A	6	2232.501	MILL BITUMINOUS SURFACE (1.5")		SQ YD	\$2.50	1314	\$3,285.00	908	\$2,270.00	406	\$1,015.00		
C	7	2350.501	TYPE MV 4 WEARING COURSE MIXTURE (C)		TON	\$29.00	3249	\$94,221.00	1083	\$31,407.00	1941	\$56,289.00	225	\$6,525.00
C	7	2350.502	TYPE LV 3 NON WEARING COURSE MIXTURE (B)		TON	\$27.00	3302	\$89,154.00	1064	\$28,728.00	1998	\$53,946.00	240	\$6,480.00
		2350.604	BITUMINOUS PAVING FOR TRENCH RESTORATION	20	SQ YD	\$30.00	814	\$24,420.00	214	\$6,420.00	493	\$14,790.00	107	\$3,210.00
C	7	2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GALLON	\$1.50	1911	\$2,866.50	645	\$967.50	1131	\$1,696.50	135	\$202.50
J	40	2501.515	12" RC PIPE APRON		EACH	\$350.00	3	\$1,050.00			2	\$700.00	1	\$350.00
J	40	2501.515	15" RC PIPE APRON		EACH	\$375.00	7	\$2,625.00	1	\$375.00	6	\$2,250.00		
J	40	2501.515	21" RC PIPE APRON		EACH	\$475.00	1	\$475.00			1	\$475.00		
J	40	2501.569	12" RC SAFETY APRON		EACH	\$400.00	1	\$400.00			1	\$400.00		
J	40	2501.569	15" RC SAFETY APRON		EACH	\$450.00	5	\$2,250.00			3	\$1,350.00	2	\$900.00
J	40	2501.602	TRASH GUARD FOR 12" PIPE APRON		EACH	\$250.00	3	\$750.00			2	\$500.00	1	\$250.00
J	40	2501.602	TRASH GUARD FOR 15" PIPE APRON		EACH	\$300.00	7	\$2,100.00	1	\$300.00	6	\$1,800.00		
J	40	2501.602	TRASH GUARD FOR 21" PIPE APRON		EACH	\$225.00	1	\$225.00			1	\$225.00		
J	40	2503.541	12" RC PIPE SEWER DESIGN 3006 CL V		LIN FT	\$23.00	316.0	\$7,268.00			229.5	\$5,278.50	86.5	\$1,989.50
J	40	2503.541	15" RC PIPE SEWER DESIGN 3006 CL V		LIN FT	\$25.00	837.1	\$20,927.50	167	\$4,175.00	526.1	\$13,152.50	144	\$3,600.00
J	40	2503.541	18" RC PIPE SEWER DESIGN 3006		LIN FT	\$27.00	108.0	\$2,916.00			108	\$2,916.00		
J	40	2503.541	21" RC PIPE SEWER DESIGN 3006		LIN FT	\$29.00	75.0	\$2,175.00			75	\$2,175.00		
		2503.602	12" PIPE PLUG	1	EACH	\$140.00	3	\$420.00			2	\$280.00	1	\$140.00
		2503.602	15" PIPE PLUG	1	EACH	\$160.00	5	\$800.00	3	\$480.00	2	\$320.00		
		2504.603	6" PVC PIPE CASING	21	LIN FT	\$10.00	70	\$700.00			70	\$700.00		
J	40	2506.501	CONST DRAINAGE STRUCTURE DESIGN SD		LIN FT	\$250.00	31.37	\$7,842.50	7.65	\$1,912.50	16.33	\$4,082.50	7.39	\$1,847.50
J	40	2506.501	CONST DRAINAGE STRUCTURE DES 48-4020		LIN FT	\$275.00	28.50	\$7,837.50			28.5	\$7,837.50		
J	40	2506.501	CONST DRAINAGE STRUCTURE DES 54-4020		LIN FT	\$325.00	4.61	\$1,498.25			4.61	\$1,498.25		
K	40	2506.516	CASTING ASSEMBLY		EACH	\$400.00	18	\$7,200.00	2	\$800.00	14	\$5,600.00	2	\$800.00

# EXHIBIT B

WSB Project: CSAH 78 (Hanson Boulevard)  
 Project Location: Anoka County, MN  
 WSB Project No: 1666-00

Design by: NEH / THG  
 Checked by: AJW / CTR  
 Date: 8/18/05

## Opinion of Probable Cost

TAB	SHEET No.	Item Number	Description	Notes	Unit	Unit Price	Project Total		City of Andover Non-Participating CSAH 78 Roadway		Anoka County S.A.P. 02-678-18 CSAH 78 Roadway		City of Andover S.A.P. 198-020-26 CSAH 78 Turn Lane	
							Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost
							J	40	2511.501	RANDOM RIPRAP CLASS II		CU YD	\$42.00	28.5
J	40	2511.501	RANDOM RIPRAP CLASS IV		CU YD	\$42.00	11.6	\$487.20			11.6	\$487.20		
J	40	2511.515	GEOTEXTILE FILTER TYPE IV		SQ YD	\$3.00	103.8	\$311.40	9	\$27.00	75.6	\$226.80	19.2	\$57.60
D	8	2521.501	4" CONCRETE WALK	19	SQ FT	\$2.15	20034	\$43,073.10	11530	\$24,789.50	7846	\$16,868.90	658	\$1,414.70
		2521.511	2.5" BITUMINOUS WALK	6	SQ FT	\$2.50	15160	\$37,900.00	2640	\$6,600.00	11995	\$29,987.50	525	\$1,312.50
D	8	2531.501	CONCRETE CURB & GUTTER DESIGN B418		LIN FT	\$9.00	4155	\$37,395.00	2145	\$19,305.00	2010	\$18,090.00		
D	8	2531.501	CONCRETE CURB & GUTTER DESIGN B424		LIN FT	\$10.00	410	\$4,100.00			280	\$2,800.00	130	\$1,300.00
D	8	2531.501	CONCRETE CURB & GUTTER DESIGN B612		LIN FT	\$10.00	342	\$3,420.00			327	\$3,270.00	15	\$150.00
D	8	2531.501	CONCRETE CURB & GUTTER DESIGN B618		LIN FT	\$10.00	290	\$2,900.00	290	\$2,900.00				
D	8	2531.501	CONCRETE CURB & GUTTER DESIGN SPECIAL		LIN FT	\$10.00	220	\$2,200.00			220	\$2,200.00		
D	8	2531.602	CONCRETE MEDIAN NOSE DESIGN 7109		EACH	\$400.00	1	\$400.00			1	\$400.00		
D	8	2531.602	CONC ENTRANCE NOSE DES 7113		EACH	\$400.00	8	\$3,200.00	4	\$1,600.00	2	\$800.00	2	\$800.00
D	8	2531.618	TRUNCATED DOMES	9	SQ FT	\$40.00	176	\$7,040.00	40	\$1,600.00	80	\$3,200.00	56	\$2,240.00
I	20	2533.504	CONCRETE MEDIAN BARRIER DESIGN 8337		LIN FT	\$20.00	2600	\$52,000.00			2600	\$52,000.00		
I	20	2554.602	IMPACT ATTENUATOR BARRELS		EACH	\$230.00	64	\$14,720.00			64	\$14,720.00		
		2554.509	GUIDE POST TYPE B	8	EACH	\$35.00	17	\$595.00	1	\$35.00	13	\$455.00	3	\$105.00
		2557.501	WIRE FENCE DESIGN 60-9322		LIN FT	\$10.00	85	\$850.00			85	\$850.00		
		2563.601	TRAFFIC CONTROL	14	LUMP SUM	\$25,000.00	1	\$25,000.00	0.22	\$5,500.00	0.72	\$18,000.00	0.06	\$1,500.00
H	20	2563.602	RAISED PAVEMENT MARKER TEMPORARY	23	EACH	\$1.50	800	\$1,200.00			800	\$1,200.00		
		2563.610	POLICE OFFICER	2.7	HOUR	\$75.00	40	\$3,000.00			40	\$3,000.00		
P	54	2564.537	INSTALL SIGN TYPE C	5	EACH	\$100.00	23	\$2,300.00	4	\$400.00	19	\$1,900.00		
O	54	2564.537	INSTALL SIGN TYPE D	5	EACH	\$200.00	2	\$400.00	1	\$200.00	1	\$200.00		
N	54	2564.537	INSTALL SIGN TYPE SPECIAL	5	EACH	\$100.00	2	\$200.00	2	\$200.00				
R	54	2564.602	PAVEMENT MESSAGE (THRU ARROW) POLY PREFORM		EACH	\$250.00	1	\$250.00			1	\$250.00		
R	54	2564.602	PAVEMENT MESSAGE (LEFT ARROW) POLY PREFORM		EACH	\$250.00	8	\$2,000.00	2	\$500.00	6	\$1,500.00		
R	54	2564.602	PAVEMENT MESSAGE (RIGHT ARROW) POLY PREFORM		EACH	\$250.00	9	\$2,250.00	1	\$250.00	6	\$1,500.00	2	\$500.00
R	54	2564.602	PAVT MESSAGE (RIGHT-THRU ARROW) POLY PREFORM		EACH	\$400.00	2	\$800.00			2	\$800.00		

# EXHIBIT B

WSB Project: CSAH 78 (Hanson Boulevard)  
 Project Location: Anoka County, MN  
 WSB Project No: 1666-00

Design by: NEH / THG  
 Checked by: AJW / CTR  
 Date: 8/18/05

## Opinion of Probable Cost

TAB	SHEET No.	Item Number	Description	Notes	Unit	Unit Price	Project Total		City of Andover Non-Participating CSAH 78 Roadway		Anoka County S.A.P. 02-678-18 CSAH 78 Roadway		City of Andover S.A.P. 198-020-26 CSAH 78 Turn Lane	
							Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost
							H	20	2564.602	PAVEMENT MESSAGE (THRU ARROW) PAINT	7,18	EACH	\$75.00	1
H	20	2564.602	PAVEMENT MESSAGE (LEFT ARROW) PAINT	7,18	EACH	\$75.00	8	\$600.00			8	\$600.00		
H	20	2564.602	PAVEMENT MESSAGE (RIGHT ARROW) PAINT	7,18	EACH	\$75.00	9	\$675.00			9	\$675.00		
H	20	2564.602	PAVT MESSAGE (RIGHT-THRU ARROW) PAINT	7,18	EACH	\$75.00	2	\$150.00			2	\$150.00		
R	54	2564.603	4" SOLID LINE WHITE-EPOXY		LIN FT	\$0.35	7623	\$2,668.05	1810	\$633.50	4853	\$1,698.55	960	\$336.00
R	54	2564.603	4" DOUBLE SOLID LINE YELLOW-EPOXY		LIN FT	\$0.85	2076	\$1,764.60	736	\$625.60	1260	\$1,071.00	80	\$68.00
R	54	2564.603	4" SOLID LINE YELLOW-EPOXY		LIN FT	\$0.35	3813	\$1,334.55	1480	\$518.00	2255	\$789.25	78	\$27.30
R	54	2564.603	24" SOLID LINE YELLOW-EPOXY		LIN FT	\$7.00	150	\$1,050.00			125	\$875.00	25	\$175.00
H	20	2564.603	24" SOLID LINE YELLOW-PAINT	7,18	LIN FT	\$5.00	150	\$750.00			150	\$750.00		
H	20	2564.603	4" SOLID LINE WHITE-PAINT	7,18	LIN FT	\$0.15	19133	\$2,869.95			19133	\$2,869.95		
H	20	2564.603	4" SOLID LINE YELLOW-PAINT	7,18	LIN FT	\$0.15	12609	\$1,891.35			12609	\$1,891.35		
H	20	2564.603	4" DOUBLE SOLID LINE YELLOW-PAINT	7,18	LIN FT	\$0.30	7186	\$2,155.80			7186	\$2,155.80		
H	20	2564.603	24" SOLID LINE WHITE-PAINT	7,18	LIN FT	\$5.00	156	\$780.00			156	\$780.00		
R	54	2564.603	24" SOLID LINE WHITE-POLY PREFORMED		LIN FT	\$15.00	156	\$2,340.00	12	\$180.00	120	\$1,800.00	24	\$360.00
Q	54	2564.618	SIGN PANELS TYPE C	5,13	SQ FT	\$35.00	306.00	\$10,710.00	110.75	\$3,876.25	160	\$5,600.00	35.25	\$1,233.75
R	54	2564.618	ZEBRA CROSSWALK-WHITE POLY PREFORMED		SQ FT	\$8.00	870	\$6,960.00	138	\$1,104.00	612	\$4,896.00	120	\$960.00
H	20	2564.618	ZEBRA CROSSWALK-WHITE PAINT	7,18	SQ FT	\$4.00	870	\$3,480.00			870	\$3,480.00		
		2565.511	FULL T ACT T CONTROL SIGNAL SYSTEM		SIG SYS	\$180,000.00	1	\$180,000.00			1	\$180,000.00		
		2564.601	TRAFFIC CONTROL INTERCONNECTION		LUMP SUM	\$25,000.00	1	\$25,000.00			1	\$25,000.00		
		2572.501	TEMPORARY FENCE	2, 7,16	LIN FT	\$3.00	5012	\$15,036.00	1441	\$4,323.00	2976	\$8,928.00	595	\$1,785.00
E	9	2573.502	SILT FENCE, TYPE MACHINE SLICED	2, 4	LIN FT	\$2.50	1600	\$4,000.00	90	\$225.00	1440	\$3,600.00	70	\$175.00
		2573.530	INLET PROTECTION TYPE A	2,7	EACH	\$100.00	2	\$200.00			2	\$200.00		
		2573.530	INLET PROTECTION TYPE C	2,7	EACH	\$100.00	16	\$1,600.00	1	\$100.00	13	\$1,300.00	2	\$200.00
		2573.603	BIOROLL	2,7	LIN FT	\$7.50	300	\$2,250.00					300	\$2,250.00
E	9	2575.501	SEEDING		ACRE	\$130.00	4.18	\$543.40	1.35	\$175.50	2.35	\$305.50	0.48	\$62.40
E	9	2575.505	SODDING TYPE SALT RESISTANT		SQ YD	\$3.25	2643	\$8,589.75	173	\$562.25	2305	\$7,491.25	165	\$536.25
E	9	2575.511	MULCH MATERIAL TYPE 1		TON	\$100.00	5.95	\$595.00	1.93	\$193.00	3.37	\$337.00	0.65	\$65.00
E	9	2575.519	DISK ANCHORING		ACRE	\$50.00	2.98	\$149.00	0.97	\$48.50	1.69	\$84.50	0.32	\$16.00
E	9	2575.523	EROSION CONTROL BLANKET CATEGORY 2	2,22	SQ YD	\$2.00	5832	\$11,664.00	1853	\$3,706.00	3209	\$6,418.00	770	\$1,540.00
E	9	2575.531	COMMERCIAL FERT ANALYSIS 22-5-10	11	POUND	\$0.35	1463	\$512.05	471	\$164.85	823	\$288.05	169	\$59.15

# EXHIBIT B

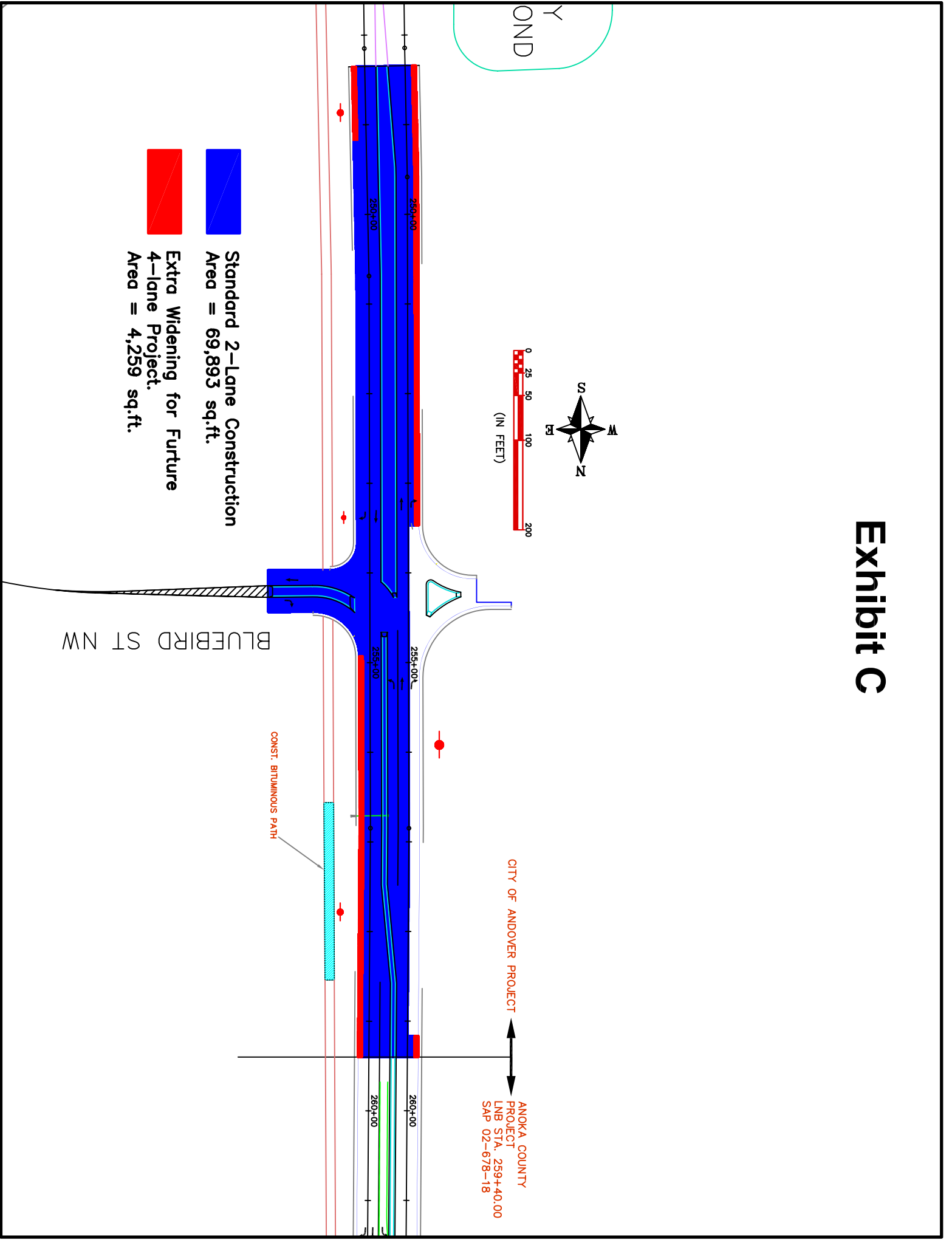
**WSB Project:** CSAH 78 (Hanson Boulevard)  
**Project Location:** Anoka County, MN  
**WSB Project No:** 1666-00

**Design by:** NEH / THG  
**Checked by:** AJW / CTR  
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## Opinion of Probable Cost

TAB	SHEET No.	Item Number	Description	Notes	Unit	Unit Price	Project Total		City of Andover Non-Participating CSAH 78 Roadway		Anoka County S.A.P. 02-678-18 CSAH 78 Roadway		City of Andover S.A.P. 198-020-26 CSAH 78 Turn Lane	
							Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost	Estimated Quantity	Estimated Cost
E	9	2575.608	SEED MIXTURE 250		LBS	\$1.75	292.7	\$512.23	94.5	\$165.38	164.5	\$287.88	33.7	\$58.98
		2580.603	INTERIM PAVEMENT MARKINGS	2,7	LIN FT	\$0.50	1200	\$600.00	500	\$250.00	700	\$350.00		
H	20	2581.501	REMOVABLE PREFORMED PLASTIC MARKING	15	LIN FT	\$1.05	5301	\$5,566.05			5301	\$5,566.05		
<b>CONSTRUCTION COSTS</b>								\$1,146,708.78		\$256,814.53		\$826,086.93		\$63,807.33
<b>ENGINEERING COSTS</b>								\$206,407.58		\$46,226.61		\$148,695.65		\$11,485.32
DESIGN (10%)								\$114,670.88		\$25,681.45		\$82,608.69		\$6,380.73
INSPECTION (8%)								\$91,736.70		\$20,545.16		\$66,086.95		\$5,104.59
<b>TOTAL COST</b>								\$1,353,116.35		\$303,041.14		\$974,782.57		\$75,292.64

# Exhibit C



YOND



- Standard 2-Lane Construction  
Area = 69,893 sq.ft.
- Extra Widening for Future  
4-lane Project.  
Area = 4,259 sq.ft.

BLUEBIRD ST NW

CONST. BITUMINOUS PATH

CITY OF ANDOVER PROJECT

ANOKA COUNTY PROJECT  
LNB STA. 259+40.00  
SAP 02-678-18

250+00 250+00 255+00 255+00 260+00 260+00