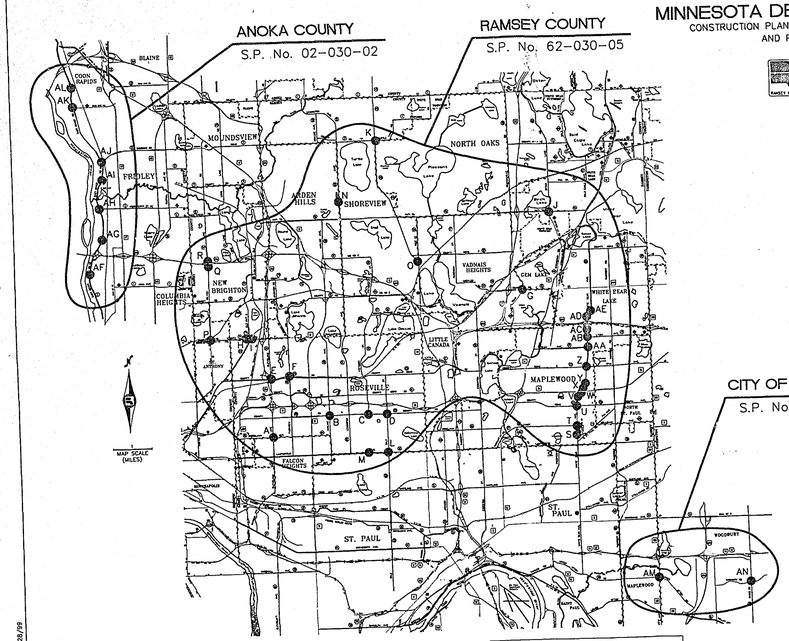
MINN PROJ. NO. STPS 6299 (279)

MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR THE INSTALLATION OF "LEDs", CONTROL EQUIPMENT AND PAINTING TRAFFIC CONTROL SIGNAL SYSTEMS



RAMSEY COUNTY
DEPARTMENT OF PUBLIC WORKS
S.P. No. 62-030-05

ANOKA COUNTY
DEPARTMENT OF PUBLIC WORKS
S.P. No. 02-030-02

CITY OF WOODBURY
S.P. No. 192-030-01

INDEX

SHEET NO.	DESCRIPTION
1	TITLE
2 & 3	ESTIMATED QUANTITIES
4	PLAN SCHEDULE-RAMSEY COUNTY
5	PLAN SCHEDULE-ANOKA COUNTY & CITY OF WOODBURY

THIS PLAN CONTAINS 5 SHEETS.

SIGNAL DESIGN ENGINEER:
I HEREBY CERTIFY THAT THESE SIGNAL PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THIS PLAN CONFORMS TO THE MMUTCD (EXCEPT WERE A VARIANCE HAS BEEN INDICATED), AND THAT I AM A DULY REGISTER PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Daniel E. Sohn REG. NO. 20452 DATE 10/6/99

APPROVED [signature] RAMSEY COUNTY ENGINEER DATE 10/6/99

APPROVED [signature] ANOKA COUNTY ENGINEER DATE 1/25/00

APPROVED [signature] CITY OF WOODBURY DATE 12/22/99

MINNESOTA DEPARTMENT OF TRANSPORTATION

[signature] 5/01/2000
MINNESOTA DEPARTMENT ENGR-STATE AID REVIEW FOR COMPLIANCE WITH STATE AID RULES/POLICY DATE

[signature] 6/21 2000
APPROVED FOR STATE & FEDERAL AID FUNDING, STATE AID ENGINEER DATE

28-174

-GOVERNING SPECIFICATIONS-

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" AS AMENDED BY THE "SUPPLEMENTAL SPECIFICATIONS" DATED MAY 2, 1994 SHALL APPLY.

THE TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, DATED JANUARY, 1998.

PLAN REVISIONS

DATE	SHEET NO. & DESCRIPTION	BY
9/28/99	MN/DOT PLAN REVIEW	RWW

CON 33094

S.P. No. 02-030-02
S.P. No. 192-030-01
S.P. No. 62-030-05

Sheet No. 1 of 5 Sheets

T:\STAB-PROJ\Plans.xls 5/28/99

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY	PARTICPATION GROUP NO 1 RAMSEY COUNTY S.P. 62-030-05	GROUP NO 2 ANOKA COUNTY S.P. 02-030-02	GROUP NO 3 CITY OF WOODBURY S.P. 192-030-01
2565.604	REVISE SIGNAL SYSTEM A	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM B	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM C	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM D.	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM E	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM F	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM G	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM H	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM I	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM J	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM K	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM L	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM M	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM N	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM O	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM P	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM Q	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM R	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM S	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM T	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM U	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM V	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM W	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM X	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM Y	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM Z	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM AA	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM AB	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM AC	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM AD	SYSTEM	1	1		
2565.604	REVISE SIGNAL SYSTEM AE	SYSTEM	1	1		

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
Daniel E. Sohn
Date 10/6/99 Reg. No. 20452

S.P. No. 02-030-02
S.P. No. 192-030-01
S.P. No. 62-030-05

28-174

SHEET 2 OF 5 SHEETS

T:\STAB-PROJ\plans.xls

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY	PARTICPATION GROUP NO 1 RAMSEY COUNTY S.P. 62-030-05	GROUP NO 2 ANOKA COUNTY S.P. 02-030-02	GROUP NO 3 CITY OF WOODBURY S.P. 192-030-01
2565.604	REVISE SIGNAL SYSTEM AF	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AG	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AH	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AI	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AJ	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AK	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AL	SYSTEM	1		1	
2565.604	REVISE SIGNAL SYSTEM AM	SYSTEM	1			1
2565.604	REVISE SIGNAL SYSTEM AN	SYSTEM	1			1

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
Daniel E. Sohn
Date 10/6/99 Reg. No. 20452

S.P. No. 02-030-02
S.P. No. 192-030-01
S.P. No. 62-030-05

28-174

SHEET 3 OF 5 SHEETS

T:\STAB-PROJ\plans.xls

RAMSEY COUNTY S.P. No. 62-030-05

SYSTEM	LOCATION	CSAH No.	CROSS STREET	CSAH No.	PAINT SYSTEM	FURNISH & INSTALL: CONTROLLER AND CABINET	CONTRL & CAB. WITH MASTER	RED (12") BALL TO LED's	RED (12") ARROW TO LED's	DON'T WALK SYMBOL (9") TO LED's	DON'T WALK SYMBOL (12") TO LED's
A	CLEVELAND AVE	46	ROSELAWN AVE		1			12	-	-	8
B	COUNTY RD B	25	HAMLINE AVE	50	1			12	-	8	-
C	COUNTY RD B	25	VICTORIA ST	52	1			12	-	8	-
D	COUNTY RD B	25	DALE ST	53	1			12	-	8	-
E	COUNTY RD C	23	CLEVELAND AVE	46	1			8	4	-	8
F	COUNTY RD C	23	FAIRVIEW AVE	48	1			8	4	-	8
G	COUNTY RD E	15	LABORE RD		1			12	-	-	8
H	COUNTY ROAD D	19	OLD HIGHWAY 8	77	1		1	14	-	-	8
I	COUNTY ROAD D	19	HIGHWAY 88 (T.H.88)	88	1	1		12	4	-	8
J	HIGHWAY 96	96	OTTER LAKE RD	60	-			14	-	-	8
K	HODGSON RD	49	COUNTY RD I (TURTLE LK RD)	3	-			12	-	8	-
L	LARPENTEUR AVE	30	DALE ST	53	1			8	-	8	-
M	LARPENTEUR AVE	30	VICTORIA ST	52	1			8 (2)	-	2	4
N	LEXINGTON AVE	51	TANGELWOOD DR		1			9	-	-	6
O	RICE ST (HODGSON RD)	49	GRAMSIE RD (RICE ST)		1			12	-	8	-
P	SILVER LAKE RD	44	COUNTY RD D	19	-	1		-	-	-	-
Q	SILVER LAKE RD	44	I 694 (S.RAMP)		1	1		-	-	-	-
R	SILVER LAKE RD	44	I 694 (N.RAMP)		1		1	-	-	-	-
S	WHITE BEAR AVE	65	RIPLEY AVE		1			10	-	-	4
T	WHITE BEAR AVE	65	FROST AVE	28	1	1		-	-	-	-
U	WHITE BEAR AVE	65	COUNTY RD B	25	1	1		12	-	-	8
V	WHITE BEAR AVE	65	COPE AVE		1		1	13 (1)	-	-	8
W	WHITE BEAR AVE	65	T.H. 36 (S.RAMP)		1	1		9 (1)	-	8	-
X	WHITE BEAR AVE	65	T.H. 36 (N.RAMP)		1	1		9 (1)	-	8	-
Y	WHITE BEAR AVE	65	11TH AVE (GERVAIS AVE)		1	1		16	-	-	8
Z	WHITE BEAR AVE	65	COUNTY RD C	23	1	1		-	-	-	-
AA	WHITE BEAR AVE	65	BEAM AVE	19	-	1		-	-	-	-
AB	WHITE BEAR AVE	65	LYDIA AVE	19	1	1		14	-	-	8
AC	WHITE BEAR AVE	65	WOODLYNN AVE		1	1		14	-	-	8
AD	WHITE BEAR AVE	65	BUERKLE RD		-	1		-	-	-	-
AE	WHITE BEAR AVE	65	ORCHARD LANE		1	1		10	-	4	4

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
Daniel E. Sohn
Date 9/21/99 Reg. No. 20452

(1) ONE OF THE TOTAL IS 8" SIGNAL FACE
(2) TWO OF THE TOTAL IS 8" SIGNAL FACE

28-174

S.P. No. 62-030-05

SHEET 4 OF 5 SHEETS

T:\STAB-PROJ\plans.xls

ANOKA COUNTY S.P. No. 02-030-02

SYSTEM	LOCATION	CSAH No.	CROSS STREET	CSAH No.	PAINT SYSTEM	FURNISH & INSTALL							
						RED (12")		YELLOW (12")		GREEN (12")		DON'T WALK SYMBOL (9") TO LED's	DON'T WALK SYMBOL (12") TO LED's
						BALL TO LED's	ARROW TO LED's	BALL TO LED's	ARROW TO LED'S	BALL TO LED's	ARROW TO LED's		
AF	EAST RIVER ROAD	1	51st	-	1	12	2	12	2	12	2	-	12
AG	EAST RIVER ROAD	1	58th (Georgetown apt's)	-	1	8	-	8	-	8	-	-	8
AH	EAST RIVER ROAD	1	MISSISSIPPI ST.	6	-	-	-	12	4	12	4	-	8
AI	EAST RIVER ROAD	1	71st Way	-	-	14	4	14	4	14	4	-	8
AJ	EAST RIVER ROAD	1	OSBORNE RD.	8	1	10	2	10	2	10	2	-	8
AK	EAST RIVER ROAD	1	C.R. 132 (85th Ave.)	-	-	12	4	12	4	12	4	-	8
AL	EAST RIVER ROAD	1	89th Ave.	-	-	13	4	13	4	13	4	-	8

CITY OF WOODBURY S.P. No. 192-030-01

SYSTEM	LOCATION	CSAH No.	CROSS STREET	CSAH No.	PAINT SYSTEM	FURNISH & INSTALL							
						RED (12")		YELLOW (12")		GREEN (12")		DON'T WALK SYMBOL (9") TO LED's	DON'T WALK SYMBOL (12") TO LED's
						BALL TO LED's	ARROW TO LED's	BALL TO LED's	ARROW TO LED'S	BALL TO LED's	ARROW TO LED's		
AM	T.H. 120		UPPER AFTON ROAD		1	12	-	-	-	-	-	8	-
AN	RADIO DRIVE		TAMARACK ROAD		-	12	4	-	-	-	-	-	8

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Daniel E. Soler

Date 9/14/99 Reg. No. 20452

S.P. No. 192-030-01 28-174

S.P. No. 02-030-02 SHEET 5 OF 5 SHEETS

T:\TAB-PROJ\plans.xls