

ABBREVIATIONS

AWF	ADVANCE WARNING FLASHER
C.D.	COUNT DOWN
D2-1 (e.g.)	DETECTOR (PHASE 2, NO. 1)
DEG	DEGREES
DWK	DON'T WALK
F&I	FURNISH AND INSTALL
FL	FLASH/FLASHING
FYA	FLASHING YELLOW ARROW
FYLA	FLASHING YELLOW LEFT ARROW
GLA	GREEN LEFT ARROW
GRN	GREEN INDICATION
GR. RD.	GROUND ROD
GRA	GREEN RIGHT ARROW
GTA	GREEN THRU ARROW
HH	HANDHOLE
IND	INDICATION
INP	INPLACE
INS. GR.	INSULATED GROUND
JB	JUNCTION BOX
LED	LIGHT EMITTING DIODE
LUM	LUMINAIRE
NEU	NEUTRAL
P1-1 (e.g.)	PEDESTRIAN HEAD (PHASE 1, NO. 1)
PB	PUSH BUTTON
PB2-1 (e.g.)	PUSH BUTTON (PHASE 2, NO. 1)
PED	PEDESTRIAN
RED	RED INDICATION
R&S	REMOVE AND SALVAGE
RLA	RED LEFT TURN ARROW
S&I	SALVAGE AND INSTALL
SPR	SPARE
STA	STATION
WLK	WALK INDICATION
YEL	YELLOW INDICATION
YLA	YELLOW LEFT ARROW
YRA	YELLOW RIGHT ARROW

MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR TRAFFIC CONTROL SIGNAL SYSTEMS, INTERCONNECT AND ADA IMPROVEMENTS

AT THE INTERSECTION OF: T.H. 156 AT C.S.A.H. 14 (GRAND AVE.), SOUTH ST. PAUL MN, DAKOTA COUNTY
 STATE PROJ. NO. XXXX-XXX
 REF POINT XXX+XX.XXX

FED. PROJ. NO. XXXXX XXXXX

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MN MUTCD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

INDEX

- 1 TITLE SHEET
- ESTIMATED QUANTITIES
- DETAIL SHEETS
- INTERSECTION LAYOUT
- MATCH LINE LAYOUT/INTERSECTION NOTES
- FIELD WIRING DIAGRAMS
- INTERCONNECT SHEETS
- UTILITIES LAYOUT
- "FOR INFORMATION ONLY" SHEETS

THIS PLAN CONTAINS SHEETS

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

 TYPED NAME LIC. NO. XXXXX DATE: _____

DESIGN SQUAD _____ XXXXX

APPROVED _____ DATE: _____
 CITY OF _____ ENGINEER _____

APPROVED _____ DATE: _____
 COUNTY ENGINEER _____

RECOMMENDED FOR APPROVAL _____ DATE: _____
 DISTRICT TRANSPORTATION ENGINEER _____

RECOMMENDED FOR APPROVAL _____ DATE: _____

RECOMMENDED FOR APPROVAL _____ DATE: _____
 DISTRICT TRAFFIC ENGINEER _____

RECOMMENDED FOR APPROVAL _____ DATE: _____
 STATE PRE- LETTING ENGINEER _____

OFFICE OF LAND MANAGEMENT APPROVAL _____ DATE: _____
 DIRECTOR, LAND MANAGEMENT _____

APPROVED _____ DATE: _____
 STATE DESIGN ENGINEER _____

 DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

 APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

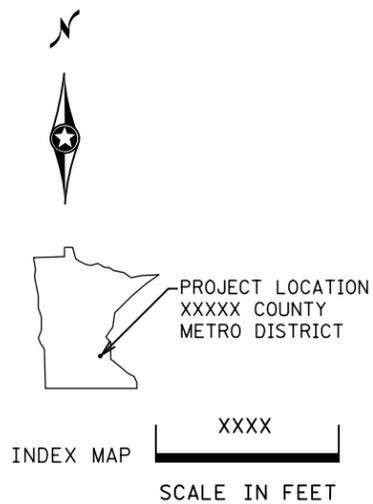
 LIC. NO. _____ DATE: _____

PRINTED NAME:

SYMBOLS

- HANDHOLE
- EQ.G CONNECTION
- ◀ EVP CONFIRMATORY LIGHT
- ↗ EVP DETECTOR
- ↔ EVP DETECTOR AND CONFIRMATORY LIGHT
- SPLICE
- ⬡ FIBER OPTIC SPLICE VAULT
- ⬢ PV PULL VAULT
- △ LUMINAIRE NO.
- ③ SIGNAL BASE NO.
- ⑤-2 SIGNAL HEAD NO./FLASHER HEAD NO.
- ⬡ BM BARREL MOUNT BASE NO.
- ⊕ WOOD POLE NO.
- ⓧ TELEVISION CAMERA (CCTV)
- ◻ VIDEO DETECTION

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL



STANDARD PLATES - SIGNAL SYSTEMS

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT

PLATE NO.	DESCRIPTION	PLATE NO.	DESCRIPTION
▷ 7038	A DETECTABLE WARNING SURFACE TRUNCATED DOMES	▷ 8122	F PEDESTAL AND PEDESTAL BASE
▷ 7113	A CONCRETE APPROACH NOSE DETAIL	▷ 8123	G POLE AND MAST ARM
▷ 8111	E TRAFFIC SIGNAL BRACKETING (PEDESTAL MOUNTED)	▷ 8126	L POLE FOUNDATION (PA90 AND PA100)
▷ 8112	I PEDESTAL FOUNDATION	▷ 8129	A SHIM AND WASHER
▷ 8117	G PRECAST CONCRETE HAND HOLE	▷ 8130	E SAW CUT LOOP DETECTORS
▷ 8118	D SERVICE EQUIPMENT AND POLE	▷ 8132	B PREFORMED RIGID PVC CONDUIT LOOP DETECTOR
▷ 8119	C GROUND MOUNTED CABINET FOUNDATION		
▷ 8120	Q POLE FOUNDATION (PA-85)		
▷ 8121	H TRANSFORMER BASE AND POLE BASE PLATE		

▶ STANDARD PLATES APPLICABLE TO THIS PROJECT

STATE PROJECT NO. CHARGE IDENTIFIER

XXXX-XX _____

PLAN REVISIONS

DATE	SHEET NO.	APPROVED BY

S.A.P. NO.

STATE PROJ.NO.

(T.H.

SHEET NO.

OF

SHEETS

PLOTTED/REVISED: 4-DEC-2018

DISTRICT #: Metro
 PLOT NAME: Title Sheet (12-4-1B)
 PATH & FILENAME: OTST\Signals\SamplePlan\TitleSheet\Title Sheet (12-4-1B).dgn