## SOUTH FLASHER SYSTEM

20 0 20 40
scale 10 feet

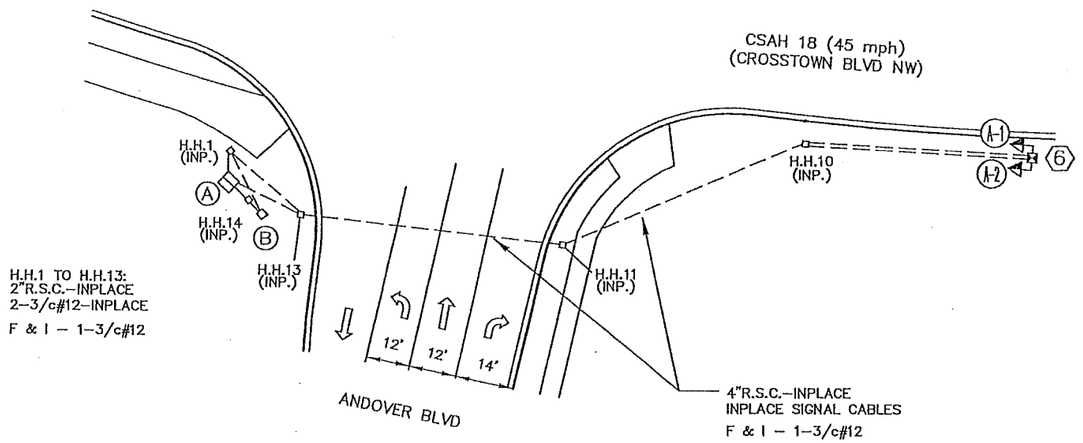
7939

Ⓑ INPLACE (MAINTAIN INPLACE) — INPLACE SIGNAL SERVICE CABINET
CABINET FOUNDATION
SERVICE CABINET TO H.H.1:
2"R.S.C.
4–3/c#12 (LUM)

F & I — 1–3/c#12

ITEMS TO BE FURNISHED & INSTALLED BY COUNTY — CIRCUIT BREAKERS IN SERVICE CABINET (FOR FLASHERS/SIGN)

Ⓐ INPLACE (MAINTAIN INPLACE) — TRAFFIC SIGNAL CONTROLLER CABINET




H.H.1 TO H.H.13:
2"R.S.C.–INPLACE
2–3/c#12–INPLACE
F & I – 1–3/c#12

4"R.S.C.–INPLACE
INPLACE SIGNAL CABLES
F & I – 1–3/c#12

⑥ ITEMS TO BE FURNISHED & INSTALLED BY COUNTY
- 14' PEDESTAL POLE (INCLUDES BASE)
- WIND COLLAR FOR PEDESTAL POLE
- 2–12" LED YELLOW FLASHERS WITH VISORS, BRACKETING, AND SLIPFITTER COLLAR (FACING NORTHBOUND TRAFFIC)
- RADAR SPEED SIGN (YOUR SPEED XX)–(30"x41")–POLE MOUNTED
- S5–1 (SCHOOL–SPEED LIMIT 30–WHEN FLASHING) SIGN PANEL (24"x48")–POLE MOUNTED
- 1/2" EL FROM BOTTOM OF RADAR SIGN DISCONNECT BOX TO PEDESTAL POLE
- ELECTRICAL CABLES FROM SIGN PANEL AND FLASHERS TO PEDESTAL POLE BASE (CONNECT TO 1–3/c#12 IN POLE BASE)

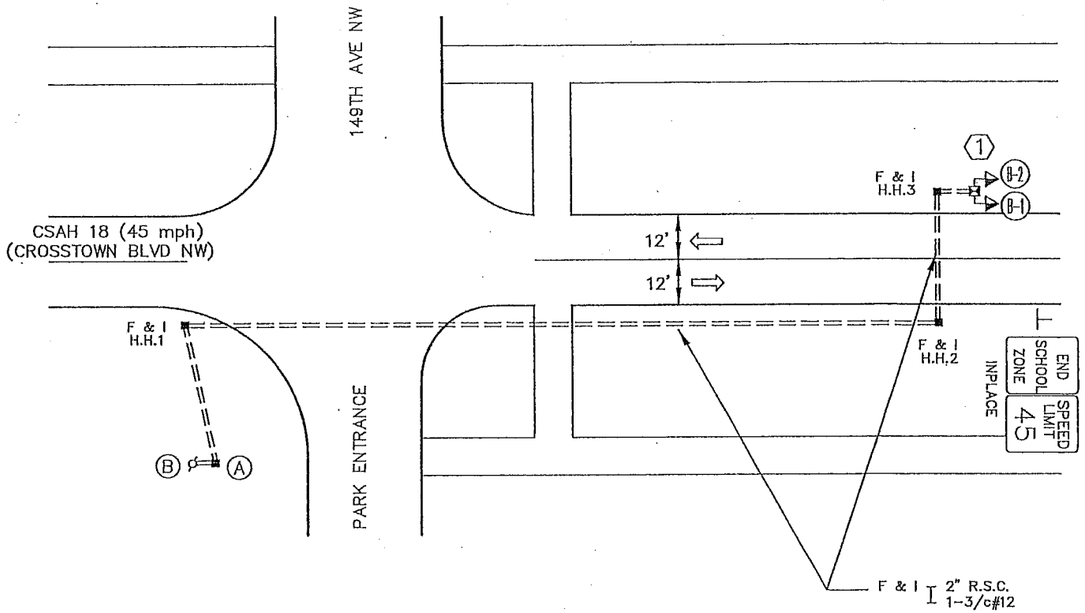
F & I
- PEDESTAL FOUNDATION
- EXTEND INTO H.H.10:
- 2"R.S.C.
- 1–3/c#12

## NORTH FLASHER SYSTEM

7940

① ITEMS TO BE FURNISHED & INSTALLED BY COUNTY
- 14' PEDESTAL POLE (INCLUDES BASE)
- WIND COLLAR FOR PEDESTAL POLE
- 2–12" LED YELLOW FLASHERS WITH VISORS, BRACKETING, AND SLIPFITTER COLLAR (FACING SOUTHBOUND TRAFFIC)
- RADAR SPEED SIGN (YOUR SPEED XX)–(30"x41")–POLE MOUNTED
- S5–1 (SCHOOL–SPEED LIMIT 35–WHEN FLASHING) SIGN PANEL (24"x48")–POLE MOUNTED
- 1/2" EL FROM BOTTOM OF RADAR SIGN DISCONNECT BOX TO PEDESTAL POLE
- ELECTRICAL CABLES FROM SIGN PANEL AND FLASHERS TO PEDESTAL POLE BASE (CONNECT TO 1–3/c#12 IN POLE BASE)

F & I
- PEDESTAL FOUNDATION
- EXTEND INTO H.H.3:
- 2"R.S.C.
- 1–3/c#12




Ⓑ INPLACE GROUND MTD TRANSFORMER (S.O.P.)
F & I — EXTEND INTO SERVICE CABINET:
- 2"R.S.C.
- 3–1/c#6

Ⓐ ITEMS TO BE FURNISHED & INSTALLED BY COUNTY — FLASHER/SIGN SYSTEM SERVICE CABINET
F & I
- CONCRETE CABINET FOUNDATION
- EXTEND INTO H.H.1:
- 2"R.S.C.
- 1–3/c#12

FLASHER SYSTEM NOTES:

1) SEE SPECIAL PROVISIONS AND DETAILS FOR FURTHER INFORMATION REGARDING FLASHER SYSTEM INSTALLATION.
2) FLASHER/SIGN SYSTEM SHALL BE TIME OF DAY ACTUATED.
3) LOCATION OF FOUNDATION AND HANDHOLES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
4) INPLACE SIGN AND POST REMOVAL ADJACENT TO NEW PEDESTAL POLE MOUNTED FLASHER AND SIGN INSTALLATION SHALL BE COMPLETED BY COUNTY AT NO EXPENSE TO THE CONTRACTOR.
5) ALL YELLOW FLASHERS WILL BE LED.
6) SEE DETAILS FOR FURTHER INFORMATION REGARDING MOUNTING OF ALL FLASHER POLE MATERIALS AND ELECTRICAL EQUIPMENT.
7) HANDHOLES SHALL BE PVC HANDHOLES WITH METAL FRAMES AND COVERS PER MN/DOT STANDARD PLATE 8114.
8) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTACT WITH POWER COMPANY (CONNEXUS) FOR POWER CONNECTION.
9) SEE ATTACHED TRAFFIC SIGNAL PLAN (INTERSECTION LAYOUT) FOR FURTHER INFORMATION REGARDING EXISTING SIGNAL SYSTEM.

S.P. 02–070–008

S:\EVA\ANOKC\COMMON\SCHOOL_FLASHERS\2010_FLASHERS\PLANS\2010PLANS.DWG

DRAWN BY: JMG
DESIGNER: JMG
CHECKED BY: JMG
DESIGN TEAM

| NO. | BY | DATE | REVISIONS |
|---|---|---|---|

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.
Name: John M. Gray, PE
Date: July 22, 2010 Lic. No. 22457

SEH
PHONE: (651) 490–2000
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110

ANOKA COUNTY, MN
2010 SCHOOL FLASHERS
CITY OF ANDOVER

SCHOOL SPEED ZONE FLASHER/SIGN SYSTEMS
INTERSECTION LAYOUT-SYSTEM "A"
CSAH 18 (CROSSTOWN BLVD) AT ANDOVER HIGH SCHOOL

FILE NO. ANOKC 112799
DATE 07/22/2010
4 / 8