

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

NO. BY DATE

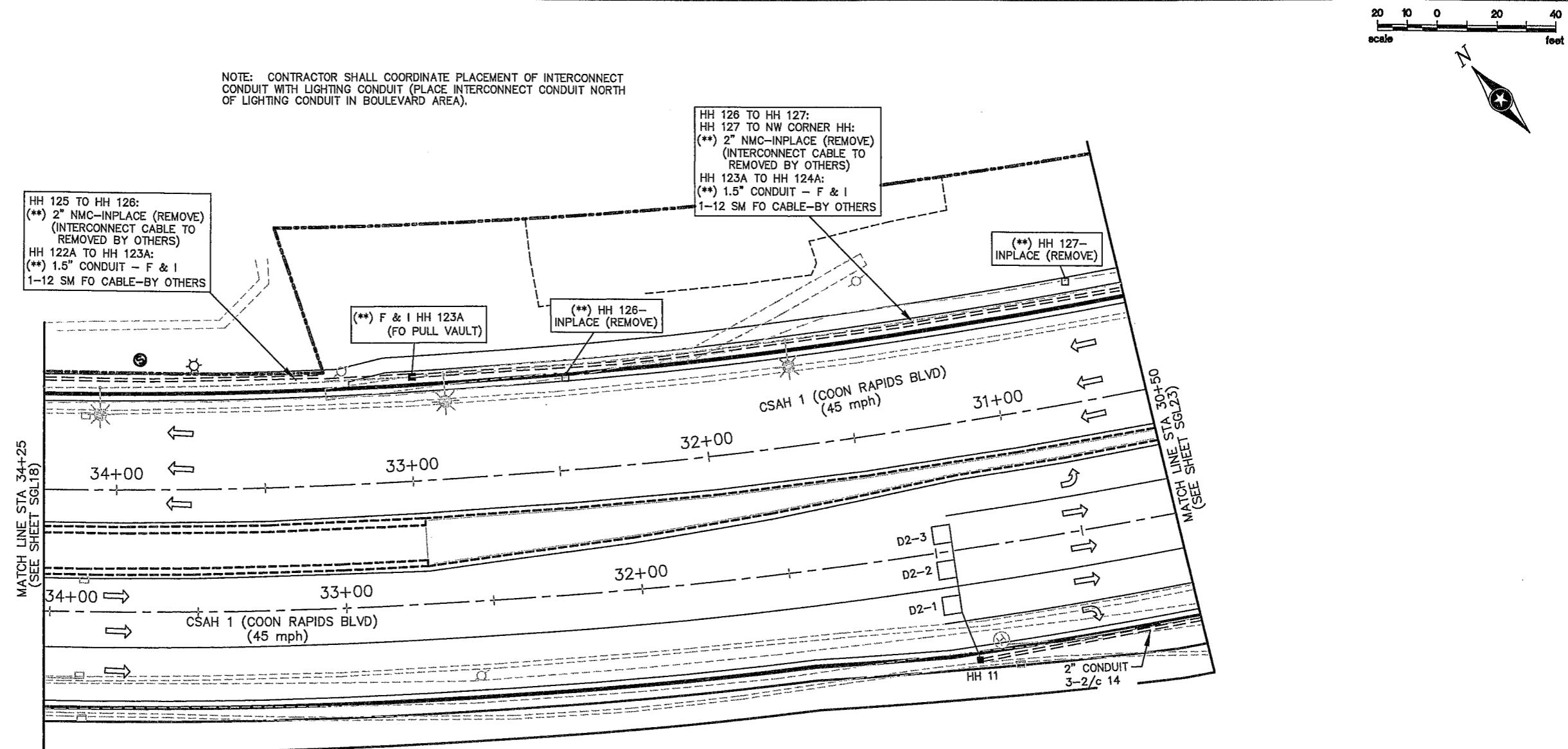
REVISIONS

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.
John M. Gray, PE
SEH
PHONE: (651) 490-2000
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110
Date: April 22, 2019
Name: John M. Gray, PE
Lic. No. 22457

ANOKA COUNTY,
MINNESOTA
CITY OF COON RAPIDS

TRAFFIC SIGNAL SYSTEM 'A'
INTERSECTION LAYOUT
CSAH 1 (COON RAPIDS BLVD)
AT EGRET BOULEVARD NW

FILE NO.
ANOKC 148053
SIGNAL SHEET
SGL16 OF SGL35
140
285



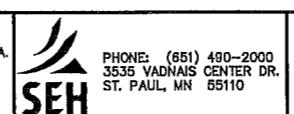
INTERCONNECT NOTES:

- 1) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (TELEPHONE NUMBER 651-454-0002) AS REQUIRED BY MINNESOTA STATUTE 2160.
- 2) DISTANCE OFF SHOULDER OR CURB FOR INTERCONNECT CONDUIT SHALL BE 1-2 FEET.
- 3) (**) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- 4) NEW HANDHOLES TO BE FURNISHED AND INSTALLED BY CONTRACTOR FOR INTERCONNECT SHALL BE FIBER OPTIC PULL OR SPLICE VAULTS AS NOTED. SEE SPECIAL PROVISIONS.
- 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
- 6) REMOVAL OF INPLACE INTERCONNECT CABLES AND FURNISHING AND INSTALLING NEW FIBER OPTIC INTERCONNECT CABLES WILL BE COMPLETED BY OTHERS AS PART OF A SEPARATE PROJECT, AT NO EXPENSE TO THE CONTRACTOR (AT APPROX. THE SAME TIME AS THIS PROJECT). SEE SPECIAL PROVISIONS.

SAP 002-601-050
SAP 114-020-054

DRAWN BY: <u>JMG</u>				
DESIGNER: <u>JMG</u>				
CHECKED BY: <u>JMG</u>				
DESIGN TEAM	NO.	BY	DATE	REVISIONS

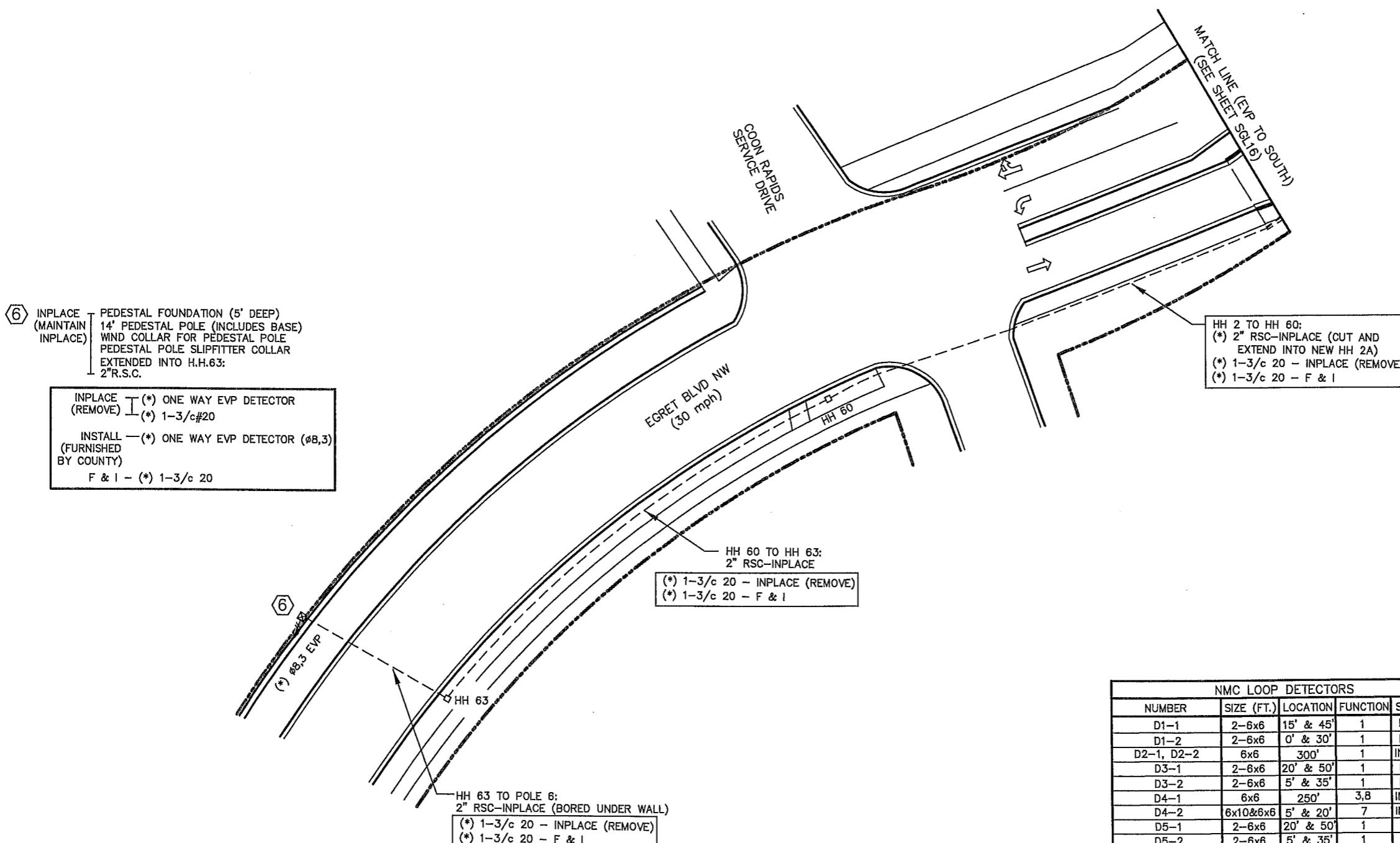
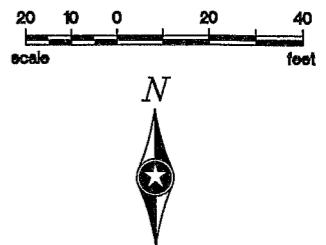
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	
 Name: John M. Gray, PE Date: April 22, 2019 I.U. No. 22457	



**ANOKA COUNTY,
MINNESOTA
CITY OF COON RAPIDS**

**TRAFFIC SIGNAL SYSTEM "B"
AND INTERCONNECT
CSAH 1 (COON RAPIDS BLVD)
AT 711 A STREET NW**

FILE NO.
ANOKC 148053
SIGNAL SHEET
SGL22 OF SGL35



NMC LOOP DETECTORS				
NUMBER	SIZE (FT.)	LOCATION	FUNCTION	STATUS
D1-1	2-6x6	15' & 45'	1	F & I
D1-2	2-6x6	0' & 30'	1	F & I
D2-1, D2-2	6x6	300'	1	INPLACE
D3-1	2-6x6	20' & 50'	1	F & I
D3-2	2-6x6	5' & 35'	1	F & I
D4-1	6x6	250'	3,8	INPLACE
D4-2	6x10&6x6	5' & 20'	7	INPLACE
D5-1	2-6x6	20' & 50'	1	2
D5-2	2-6x6	5' & 35'	1	1
D6-1, D6-2, D6-3	6x6	300'	1	F & I
D7-1	2-6x6	20' & 50'	1	2
D7-2	2-6x6	20' & 50'	1	2
D7-3	2-6x6	5' & 35'	1	1
D7-4	2-6x6	5' & 35'	1	1
D8-1	6x6	120'	3,8	F & I
D8-2	2-6x6	5' & 20'	7	F & I
D8-3	2-6x6	5' & 20'	1	F & I
D-1, D-2, D-3	6x6	50'	COUNT	F & I
D-4, D-5, D-6	6x6	50'	COUNT	INPLACE

LOCATION = DISTANCE FROM STOP BAR TO FRONT OF DETECTOR.

LOOP DETECTORS FUNCTIONS:

- 1) CALL AND EXTEND
- 3) EXTEND ONLY
- 7) DELAYED CALL, IMMEDIATE EXTEND
- 8) CARRY OVER (STRETCH)

LOOP DETECTOR STATUS:

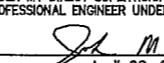
1 = DETACH EXISTING FRONT (5') LOOP DETECTOR FROM EXISTING LEAD-IN CABLE AND SPLICED TO EXISTING BACK (35') LOOP DETECTOR AND FRONT LEAD-IN CABLE (F & I NEW SPLICE KIT). PROTECT EXISTING 5'/35' LOOP DETECTORS IN ROADWAY.

2 = FURNISH & INSTALL NEW PVC LOOP DETECTORS AT 20' AND 50' FROM STOP BAR. SPLIC THESE NEW LOOP DETECTORS TO EXISTING BACK LEAD-IN CABLE (F & I NEW SPLICE KIT).

SAP 002-601-050
SAP 114-020-054

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: April 22, 2019
 Lic. No. 22457



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

ANOKA COUNTY,
MINNESOTA
CITY OF COON RAPIDS

TRAFFIC SIGNAL SYSTEM 'A'
INTERSECTION LAYOUT
CSAH 1 (COON RAPIDS BLVD)
AT EGRET BOULEVARD NW

FILE NO.
ANOKC 148053
SIGNAL SHEET
SGL17 OF SGL35
141
285

SYSTEM "A" NOTES:

- ALL ITEMS OF THIS SIGNAL SYSTEM ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE, UNLESS OTHERWISE NOTED ON PLANS.
- LOCATION OF NEW HANDHOLES, LOOP DETECTORS, PUSH BUTTON STATION, AND FOUNDATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING HANDHOLES IN THE VICINITY OF CONSTRUCTION; SHALL ADJUST HANDHOLES 1, 14, AND 15 (AND ALSO BOTH CONCRETE HANDHOLES ADJACENT TO NEW POLE 1) TO MATCH FINISHED SURROUNDING SIDEWALK/BOULEVARD GRADE; SHALL REMOVE THE EXISTING TYPE C CONCRETE FRAME AND COVER FROM THESE 5 EXISTING HANDHOLES AND SHALL FURNISH AND INSTALL A NEW PVC METAL FRAME AND COVER IN THEIR PLACE; SHALL REMOVE INPLACE HANDHOLES 2 AND 3; AND SHALL FURNISH AND INSTALL NEW HANDHOLES 2A AND 3A (PVC HANDHOLES WITH METAL FRAMES AND COVERS) (ALL INCIDENTAL). SEE SPECIAL PROVISIONS FOR FURTHER INFORMATION.
- SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED MATERIALS.
- A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE & CONDUIT OUTLET BODY WILL BE FURNISHED AND INSTALLED 6 FEET FROM END OF EACH MAST ARM (FOR EVP).
- SEE SPECIAL PROVISIONS AND DETAILS REGARDING SIGNS TO BE FURNISHED AND INSTALLED BY CONTRACTOR (INCLUDED AS PART OF PAY ITEM FOR "TRAFFIC CONTROL SIGNAL SYSTEM A").
- EACH PEDESTRIAN INDICATION SHALL BE ONE SECTION LED FILLED COUNTDOWN TIMER "HAND/WALKING PERSON" INDICATION.
- EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
- ALL LOOP DETECTORS ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE AND OPERATIONAL, EXCEPT AS NOTED IN THE PLANS FOR NEW LOOP DETECTORS TO BE FURNISHED & INSTALLED BY THE CONTRACTOR. LOOP DETECTOR WIRES FOR NEW LOOP DETECTORS SHALL BE CROSS-LINKED POLY-ETHYLENE (XLP) 12 AWG IN 3/4" NMC (SEE SPECIAL PROVISIONS).
- (*) DENOTES ITEMS TO BE INCLUDED AS PART OF THE PAY ITEM FOR ITEM NO. 2565 (EMERGENCY VEHICLE PREEMPTION SYSTEM A). SEE STATEMENT OF ESTIMATED AND SPECIAL PROVISIONS.
- (**) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- ANY DAMAGE TO INPLACE TRAFFIC SIGNAL FACILITIES (CONDUIT, CABLES, HANDHOLES, FOUNDATIONS, ETC.), EITHER DUE TO TRAFFIC SIGNAL REVISION WORK OR SIDEWALK/MEDIAN/ROAD CONSTRUCTION WORK, SHALL BE REPAIRED BY CONTRACTOR TO SATISFACTION OF THE ENGINEER, AT NO EXPENSE TO THE COUNTY.
- CONTRACTOR SHALL MAINTAIN OPERATION OF A SIGNAL SYSTEM AT THIS INTERSECTION AT ALL TIMES - SEE TEMPORARY SIGNAL PLANS AND SPECIAL PROVISIONS.
- F & I = NEW, FURNISH AND INSTALL.
S & I = INPLACE, SALVAGE AND INSTALL.
- ALL CONDUIT, CABLES AND CONDUCTORS, HANDHOLES, AND LOOP DETECTORS ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE, EXCEPT WHERE BOXED IN AND DENOTED OTHERWISE.
- THE CONTRACTOR SHALL REMOVE, SALVAGE AND DISPOSE OF PORTIONS OF EXISTING PERMANENT SIGNAL SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIAL PROVISIONS (TO BE MEASURED AND PAID FOR SEPARATELY).
- SEE SPECIAL PROVISIONS FOR FURTHER INFORMATION REGARDING FIBER OPTIC INTERCONNECT INSTALLATION WORK TO BE COMPLETED BY OTHERS AT NO EXPENSE TO CONTRACTOR, AT APPROXIMATELY THE SAME TIME AS THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND WORK TO ACCOMMODATE OPERATION OF BOTH THE TEMPORARY SIGNAL SYSTEM AND THE NEW PERMANENT SIGNAL SYSTEM, INCLUDING ALL REQUIRED WORK AT POLE 1 (REMOVAL AND REPLACEMENT OF PA100 FOUNDATION, RELOCATION OF INPLACE MAST ARM AND POLE ONTO NEW FOUNDATION FOR TEMPORARY SIGNAL SYSTEM, AND REMOVAL OF INPLACE MAST ARM AND POLE FROM FOUNDATION WHEN NEW COUNTY FURNISHED MAST ARM AND POLE IS AVAILABLE FOR INSTALLATION BY THE CONTRACTOR) (INCIDENTAL TO BOTH THE NEW AND TEMPORARY SIGNAL SYSTEM PAY ITEMS).

① INPLACE (REMOVE) PA100 POLE FOUNDATION TYPE PA100-A-50-D40-9 3-ONE WAY SIGNALS-OVERHEAD 2-TYPE 10B-POLE MOUNTED 90/180 DEG 2-PEDESTRIAN PUSH BUTTONS AND SIGNS 2-R6-1 SIGN PANELS-POLE MOUNTED TYPE D SIGN PANEL-OVERHEAD ONE WAY EVP DETECTOR AND LIGHT EXTENDED INTO HH 1: 3" RSC 3-12/c 12 2-3/c 12 1-3/c 20 1-3/c 12 (LUM)

F & I PA100 POLE FOUNDATION LUMINAIRE-LED 1-ANGLE MOUNT SIGNAL-OVERHEAD AT 0' 2-STRAIGHT MOUNT SIGNALS-OVERHEAD AT 11' AND 23' 2-ANGLE MOUNT SIGNALS-POLE MOUNTED 90 DEG AND 180 DEG 2-ANGLE MOUNT C.D. PED INDICATIONS-POLE MOUNTED 90 DEG AND 180 DEG R10-X12 SIGN PANEL-ADJACENT TO 5-1 TYPE D SIGN PANEL-OVERHEAD (D-1) (*) ONE WAY EVP MOUNTING HARDWARE (FOR COUNTY FURNISHED DETECTOR AND CONFIRMATION LIGHT) EXTEND INTO H.H.1: 3" CONDUIT 3-12/c 14 (*) 1-3/c 14 1-3/c 20 1-3/c 14 (LUM) 2-1/c 6 (GRD)

INSTALL (FURNISHED BY COUNTY) TYPE PA100-A-55-D30-9 (DAVIT AT 350 DEG) (WITH MOUNTS AT 11' & 23') (*) ONE WAY EVP DETECTOR & LED CONFIRMATION LIGHT (#2,5)

② INPLACE (MAINTAIN INPLACE) PA100 POLE FOUNDATION EXTENDED INTO HH 4: 3" RSC

INPLACE (REMOVE) TYPE PA100-A-50-D40-9 LUMINAIRE-250 W HPS 2-ONE WAY SIGNALS-OVERHEAD 2-TYPE 10B-POLE MOUNTED 90/180 DEG 2-PEDESTRIAN PUSH BUTTONS AND SIGNS 2-R6-1 SIGN PANELS-POLE MOUNTED TYPE D SIGN PANEL-OVERHEAD ONE WAY EVP DETECTOR AND LIGHT

INPLACE (S & I) 2-12/c 12 3-3/c 12 1-3/c 20 1-3/c 12 (LUM)

F & I PA100 POLE FOUNDATION LUMINAIRE-LED 1-ANGLE MOUNT SIGNAL-OVERHEAD AT 0' 2-STRAIGHT MOUNT SIGNALS-OVERHEAD AT 11' AND 23' 2-ANGLE MOUNT SIGNALS-POLE MOUNTED 90 DEG AND 180 DEG 2-ANGLE MOUNT C.D. PED INDICATIONS-POLE MOUNTED 90 DEG AND 180 DEG 2-PEDESTRIAN PUSH BUTTONS AND SIGNS (R10-3e) R10-X12 SIGN PANEL-ADJACENT TO 7-1 TYPE D SIGN PANEL-OVERHEAD (D-2) (*) ONE WAY EVP MOUNTING HARDWARE (FOR COUNTY FURNISHED DETECTOR AND CONFIRMATION LIGHT) 1-6/c 14 1-1/c 6 (GRD)

INSTALL (FURNISHED BY COUNTY) TYPE PA100-A-55-D30-9 (DAVIT AT 350 DEG) (WITH MOUNTS AT 11' & 23') (*) ONE WAY EVP DETECTOR & LED CONFIRMATION LIGHT (#4,7)

③ INPLACE (MAINTAIN INPLACE) PA100 POLE FOUNDATION EXTENDED INTO HH 7: 3" RSC

INPLACE (REMOVE) TYPE PA100-A-55-D40-9 LUMINAIRE-250 W HPS 3-ONE WAY SIGNALS-OVERHEAD 2-TYPE 10B-POLE MOUNTED 90/180 DEG 2-R6-1 SIGN PANELS-POLE MOUNTED TYPE D SIGN PANEL-OVERHEAD ONE WAY EVP DETECTOR AND LIGHT

F & I PA100 POLE FOUNDATION LUMINAIRE-LED 1-ANGLE MOUNT SIGNAL-OVERHEAD AT 0' 3-STRAIGHT MOUNT SIGNALS-OVERHEAD AT 12', 24', 36' 2-ANGLE MOUNT SIGNALS-POLE MOUNTED 90 DEG AND 180 DEG 2-ANGLE MOUNT C.D. PED INDICATIONS-POLE MOUNTED 90 DEG AND 180 DEG R10-X12 SIGN PANEL-ADJACENT TO 1-1 TYPE D SIGN PANEL-OVERHEAD (D-3) (*) ONE WAY EVP MOUNTING HARDWARE (FOR COUNTY FURNISHED DETECTOR AND CONFIRMATION LIGHT)

INSTALL (FURNISHED BY COUNTY) TYPE PA100-A-55-D30-9 (DAVIT AT 350 DEG) (WITH MOUNTS AT 12', 24', 36') (*) ONE WAY EVP DETECTOR & LED CONFIRMATION LIGHT (#6,1)

④ INPLACE (MAINTAIN INPLACE) EXTENDED INTO HH 7: 1 1/4" RSC 1-3/c 12

INPLACE (REMOVE) PEDESTRIAN PUSH BUTTON STATION (4" RSC) 2-PEDESTRIAN PUSH BUTTONS AND SIGNS

F & I PEDESTRIAN PUSH BUTTON STATION (SEE DETAILS) 2-PEDESTRIAN PUSH BUTTONS AND SIGNS (R10-3e)

⑤ INPLACE (MAINTAIN INPLACE) PA100 POLE FOUNDATION EXTENDED INTO HH 11: 3" RSC 2-12/c 12 3-3/c 12 1-3/c 20 1-3/c 12 (LUM)

INPLACE (REMOVE) TYPE PA100-A-45-D40-9 LUMINAIRE-250 W HPS 2-ONE WAY SIGNALS-OVERHEAD 2-TYPE 10B-POLE MOUNTED 90/180 DEG 2-PEDESTRIAN PUSH BUTTONS AND SIGNS 2-R6-1 SIGN PANELS-POLE MOUNTED TYPE D SIGN PANEL-OVERHEAD ONE WAY EVP DETECTOR AND LIGHT

F & I PA100 POLE FOUNDATION LUMINAIRE-LED 1-ANGLE MOUNT SIGNAL-OVERHEAD AT 0' 1-STRAIGHT MOUNT SIGNAL-OVERHEAD AT 12' 2-ANGLE MOUNT SIGNALS-POLE MOUNTED 90 DEG AND 180 DEG 2-ANGLE MOUNT C.D. PED INDICATIONS-POLE MOUNTED 90 DEG AND 180 DEG 2-PEDESTRIAN PUSH BUTTONS AND SIGNS (R10-3e) R10-X12 SIGN PANEL-ADJACENT TO 3-1 TYPE D SIGN PANEL-OVERHEAD (D-4) (*) ONE WAY EVP MOUNTING HARDWARE (FOR COUNTY FURNISHED DETECTOR AND CONFIRMATION LIGHT)

INSTALL (FURNISHED BY COUNTY) TYPE PA100-A-40-D30-9 (DAVIT AT 350 DEG) (WITH MOUNT AT 12') (*) ONE WAY EVP DETECTOR & LED CONFIRMATION LIGHT (#8,3)

⑦ F & I PEDESTRIAN PUSH BUTTON STATION (SEE DETAILS) 2-PEDESTRIAN PUSH BUTTONS AND SIGNS (R10-3e) EXTEND INTO HH 1: 1" CONDUIT 2-2/c 14 2-1/c 6 (GRD)

⑧ INPLACE (MAINTAIN INPLACE) SERVICE CABINET FOUNDATION BBU SIGNAL SERVICE CABINET CABINET TO SOP: 2" RSC 3-1/c 2 CABINET TO HH 16: METERED SIGNAL SERVICE 2" RSC 3-1/c 6 UNMETERED STREET LIGHT SERVICE 2-3/c 12 (LUM)

INPLACE (S & I) 1-3/c 12 (LUM)
INPLACE (REMOVE) 1-3/c 12 (LUM)
F & I 1-3/c 14 (LUM)

⑨ INPLACE (REMOVE) CABINET FOUNDATION OLD SERVICE CABINET SERVICE CABLES AND CONDUCTORS REMOVE ALL CONDUITS AND CAP ENDS

③ INPLACE (MAINTAIN INPLACE) PA100 POLE FOUNDATION EXTENDED INTO HH 7: 3" RSC 3-12/c 12 3-3/c 12 1-3/c 20 1-3/c 12 (LUM)

INPLACE (REMOVE) TYPE PA100-A-55-D40-9 LUMINAIRE-250 W HPS 3-ONE WAY SIGNALS-OVERHEAD 2-TYPE 10B-POLE MOUNTED 90/180 DEG 2-R6-1 SIGN PANELS-POLE MOUNTED TYPE D SIGN PANEL-OVERHEAD ONE WAY EVP DETECTOR AND LIGHT

F & I PA100 POLE FOUNDATION LUMINAIRE-LED 1-ANGLE MOUNT SIGNAL-OVERHEAD AT 0' 3-STRAIGHT MOUNT SIGNALS-OVERHEAD AT 12', 24', 36' 2-ANGLE MOUNT SIGNALS-POLE MOUNTED 90 DEG AND 180 DEG 2-ANGLE MOUNT C.D. PED INDICATIONS-POLE MOUNTED 90 DEG AND 180 DEG R10-X12 SIGN PANEL-ADJACENT TO 1-1 TYPE D SIGN PANEL-OVERHEAD (D-3) (*) ONE WAY EVP MOUNTING HARDWARE (FOR COUNTY FURNISHED DETECTOR AND CONFIRMATION LIGHT)

INSTALL (FURNISHED BY COUNTY) TYPE PA100-A-55-D30-9 (DAVIT AT 350 DEG) (WITH MOUNTS AT 12', 24', 36') (*) ONE WAY EVP DETECTOR & LED CONFIRMATION LIGHT (#6,1)

A INPLACE — CONTROLLER AND CABINET (SALVAGE) INSTALL — CONTROLLER AND CABINET (FURNISHED BY COUNTY)

INPLACE (MAINTAIN INPLACE) CONTROLLER CABINET FOUNDATION CABINET TO HH 16: METERED SIGNAL SERVICE 2" RSC 3-1/c 6 2-3" RSC STUBBED OUT FROM CONTROLLER CABINET TO NORTH (BOTH ENDS THREADED & CAPPED) CABINET TO HH 14: 2-4" RSC 5-12/c 12 5-3/c 12 3-3/c 20 14-2/c 14 1-12 SM FO CABLE (BY OTHERS) CABINET TO HH 1: 2-4" RSC 1-12 SM FO CABLE (BY OTHERS)

INPLACE (S & I) 2-12/c 12 3-3/c 12 1-3/c 20 1-3/c 12 (LUM)
INPLACE (REMOVE) 2-3/c 12 2-3/c 20 4-2/c 14
F & I 3-12/c 14 1-6/c 14 (*) 1-3/c 14 (*) 2-3/c 20 7-2/c 14 1-1/c 6 (GRD)

SAP 002-601-050
SAP 114-020-054

DRAWN BY: JMG
DESIGNER: JMG
CHECKED BY: JMG
DESIGN TEAM: NO. BY DATE

REVISIONS

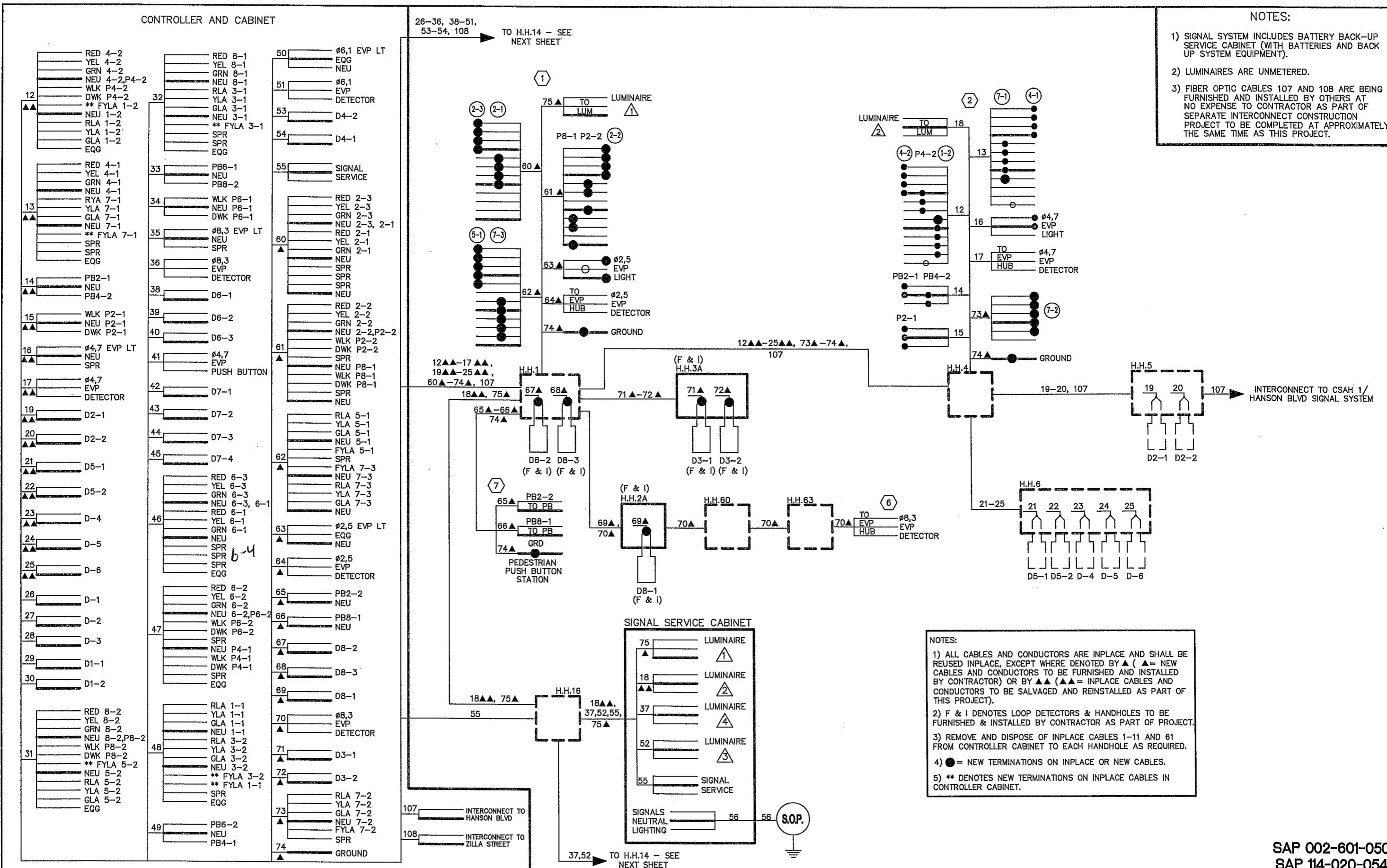
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
John M. Gray, PE
Date: April 22, 2019
Lic. No. 22457

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

ANOKA COUNTY,
MINNESOTA
CITY OF COON RAPIDS

TRAFFIC SIGNAL SYSTEM 'A'
POLE, GENERAL AND CABINET NOTES
CSAH 1 (COON RAPIDS BLVD)
AT EGRET BOULEVARD NW

FILE NO.
ANOKC 148053
SIGNAL SHEET
SGL19 OF SGL35
143
285



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


Date: April 22, 2019 Name: John M. Gray, PE
Lic. No. 22457

 **SEH** PHONE: (651) 490-2020
3535 VADNAIS CENTER
ST. PAUL, MN 55110

ANOKA COUNTY,
MINNESOTA
CITY OF COON RAPIDS

TRAFFIC SIGNAL SYSTEM 'A'
FIELD WIRING DIAGRAM
CSAH 1 (COON RAPIDS BLVD
AT EGRET BOULEVARD NW

AP 002-601-050
BAP 114-020-054

DRAWN BY:	JMG			
DESIGNER:	JMG			
CHECKED BY:	JMG			
DESIGN TEAM	NO.	BY	DATE	

—
—
—

