

TIME: 3:10:39 PM

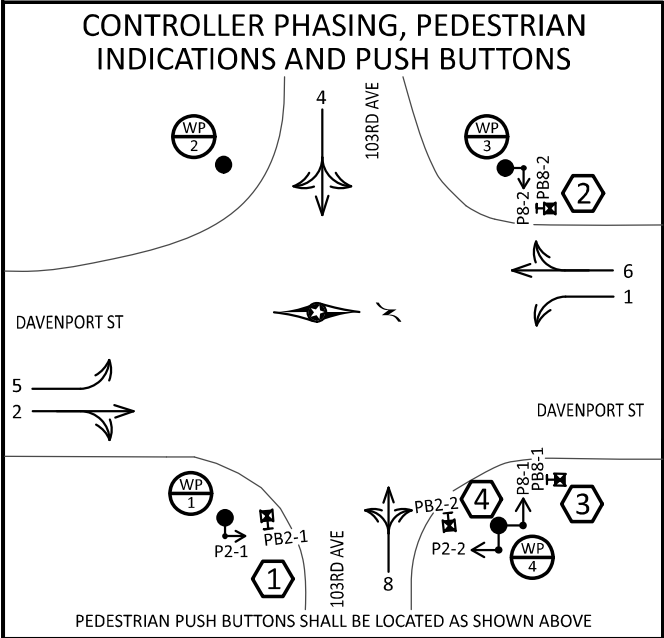
PLOTTED: 22-APR-2026

PLOT NAME: d002612039_435sgpf
PATH & FILENAME: Projects\A-A\AnokaCounty\23190000\04_Production\01_CAD\Highway\Sheets\002612039_435sgpf.dgn

SIGNAL HEAD CHART					VIDEO DETECTION				
FACE	R	Y	FYA	G	CAMERA		LOCATION		PHASE
					NO.	TYPE	POLE	MOUNT LOC.	
1-1, 1-2	←	←	←	←	V-1	DIRECTIONAL	1	LUM EXTENSION	2+5, 8
2-1, 2-2	●	●		●	V-2	DIRECTIONAL	3	LUM EXTENSION	1+6, 4
4-1, 4-2, 4-3	●	●		●	- VIDEO DETECTION CAMERAS AND MOUNTING HARDWARE ARE CONTRACTOR FURNISHED.				
5-1, 5-2	←	←	←	←					
6-1, 6-2	●	●		●					
8-1, 8-2, 8-3	●	●		●					
-ALL SIGNAL INDICATIONS SHALL BE 12" LED -ALL SIGNAL HEADS SHALL BE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS -FYA DENOTES FLASHING YELLOW ARROW									

CONTRACTOR SHALL CONSTRUCT THE TEMPORARY SIGNAL IN STRICT ACCORDANCE WITH THE PLANS AND SPECIAL PROVISIONS. MATERIALS FOR THE TEMPORARY SIGNAL SHALL BE FURNISHED NEW.

THE TEMPORARY SIGNAL SYSTEM SHALL REMAIN IN PLACE AND FULLY OPERATIONAL AT PROJECT COMPLETION FOR FUTURE REMOVAL BY OTHERS.



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 6 PHASE, WITH PHASES 1+5 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DES: DAF
DRW: DAF
CHK: CJA

I HEREBY CERTIFY THAT THIS SHEET 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

SIGNATURE: *CAITLIN J. ANDRESS*
PRINTED NAME: CAITLIN J. ANDRESS
LIC. NO. 58936 DATE: 22-APR-2026



- GENERAL NOTES:**
- SEE THE SPECIAL PROVISIONS FOR COUNTY FURNISHED MATERIALS.
 - THE EXACT LOCATION OF THE POLES, HANDHOLES, UNDERGROUND CONDUIT, AND THE EQUIPMENT PAD ARE DETERMINED IN THE FIELD. VERIFY THE LOCATIONS OF ALL SIGNAL COMPONENTS WITH CITY PERSONNEL.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONNECTION OF THE POWER FOR THE TEMPORARY TRAFFIC SIGNAL SYSTEM WITH THE POWER COMPANY.
 - THE CONTRACTOR SHALL LOCATE AND VERIFY INPLACE UTILITIES PRIOR TO COMMENCING WORK.
 - PAVEMENT MARKINGS ARE PAID FOR SEPARATELY. SEE PAVEMENT MARKING PLANS.
 - CONSTRUCTION OF PEDESTRIAN CURB RAMPS AND CONCRETE WALK ARE INCLUDED WITH THE ADA PLAN AND ARE PAID FOR SEPARATELY.
 - USE SCHEDULE 80 PVC OR HDPE FOR NEW CONDUIT. CONDUIT SIZES ARE NOMINAL DIAMETER.
 - ALL WIRES LISTED ARE AWG (AMERICAN WIRE GAUGE)
 - SEE DETAIL SHEET FOR WOOD POLE AND SPAN WIRE MOUNTING DETAILS.
 - PUSH BUTTON STATIONS ARE TO BE CONSTRUCTED 8' TALL AND MUST BE A SUFFICIENT WEIGHT TO REMAIN VERTICAL.

SIGNAL PLAN
TEMPORARY SIGNAL SYSTEM E

ANOKA COUNTY INTERSECTION IMPROVEMENTS		SHEET NO.	171
SAP 002-612-015, SAP 002-612-039, SAP 002-652-015, SAP 106-020-045, SAP 106-130-010, SAP 106-133-002		TOTAL SHEETS	181

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WP
2

45' WOOD POLE WITH LUMINAIRE DAVIT
2-DOWN GUYS, GUARDS, AND ANCHORS
2-TYPE 10A-WOOD POLE MOUNTED AT 90 AND 180 DEG (8-3, 6-1)
1-LUMINAIRE LED (40' MOUNTING HEIGHT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
2-4/C 16

1" CONDUIT RISER AND WEATHERHEAD ABOVE SPAN WIRE WITH:
1-3/C 16 (LUM)

WP
1

45' WOOD POLE WITH LUMINAIRE DAVIT
2-DOWN GUYS, GUARDS, AND ANCHORS
1- GRIDSMART VIDEO DETECTION UNIT MOUNTED ON WOOD POLE
1-TYPE 10B-WOOD POLE MOUNTED AT 90 (1-2, P2-1)
1-TYPE 10A-WOOD POLE MOUNTED AT 180 DEG (4-1)
1-LUMINAIRE LED (40' MOUNTING HEIGHT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

2-3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
2-6/C 16 1-6/C 16
6-4/C 16 6-4/C 16
2-3/C 16 2-3/C 16
2-3/C 20 2-3/C 20
1-2/C 14 2-2/C 14
1-CAT 5E 1-1/C 6 INS. GR
1-1/C 6 INS. GR

2" CONDUIT RISER AND WEATHER HEAD FROM HH 1 TO SPAN WIRE WITH:
4-3/C 16 (LUM)

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
1-6/C 16
2-4/C 16
1-CAT 5E

1" CONDUIT RISER AND WEATHERHEAD ABOVE SPAN WIRE WITH:
1-3/C 16 (LUM)

1

8' PORTABLE PEDESTAL
1-PEDESTRIAN PUSH BUTTON AND SIGN (R10-3b) (LEFT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
1-2/C 14

A

F&I: TEMPORARY SIGNAL CABINET BASE
INSTALL: TEMPORARY CABINET AND CONTROLLER (COUNTY FURNISHED)
F&I: CONTROLLER CABINET TO HH 1:
3" CONDUIT: 3" CONDUIT:
2-6/C 16 2-6/C 16
6-4/C 16 8-4/C 16
2-3/C 16 2-3/C 16
2-3/C 20 2-3/C 20
1-2/C 14 3-2/C 14
1-CAT 5E 1-CAT 5E
1-1/C 6 INS. GR 1-1/C 6 INS. GR

INSTALL: SIGNAL SERVICE CABINET (CONTRACTOR FURNISHED)
F&I: 2" CONDUIT TO SOP
3-1/C 2

F&I: 2" CONDUIT TO CONTROLLER CABINET:
3-1/C 6
2" CONDUIT TO HH 1:
4-3/C 16 (LUM)

WP
3

45' WOOD POLE WITH LUMINAIRE DAVIT
2-DOWN GUYS, GUARDS, AND ANCHORS
1- GRIDSMART VIDEO DETECTION UNIT MOUNTED ON WOOD POLE
1-TYPE 10A-WOOD POLE MOUNTED AT 90 DEG (5-2)
1-TYPE 10B-WOOD POLE MOUNTED AT 180 DEG (8-1, P8-2)
1-LUMINAIRE LED (40' MOUNTING HEIGHT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
1-6/C 16
2-4/C 16
1-CAT 5E

1" CONDUIT RISER AND WEATHERHEAD ABOVE SPAN WIRE WITH:
1-3/C 16 (LUM)

WP
4

45' WOOD POLE WITH LUMINAIRE DAVIT
2-DOWN GUYS, GUARDS, AND ANCHORS
2-TYPE 10B-WOOD POLE MOUNTED AT 90 AND 180 DEG (4-3, P8-1 & 2-1, P2-2)
1-LUMINAIRE LED (40' MOUNTING HEIGHT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
4-4/C 16

1" CONDUIT RISER AND WEATHERHEAD ABOVE SPAN WIRE WITH:
1-3/C 16 (LUM)

4

8' PORTABLE PEDESTAL
1-PEDESTRIAN PUSH BUTTON AND SIGN (R10-3b) (RIGHT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
1-2/C 14

B

SOP-GROUND MOUNTED (CONNEXUS)
F&I: 2" CONDUIT INTO SERVICE CABINET
3-1/C 2

2

8' PORTABLE PEDESTAL
1-PEDESTRIAN PUSH BUTTON AND SIGN (R10-3b) (RIGHT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
1-2/C 14

3

8' PORTABLE PEDESTAL
1-PEDESTRIAN PUSH BUTTON AND SIGN (R10-3b) (LEFT)
METAL JUNCTION BOX WITH TERMINAL BLOCK

3" CONDUIT ABOVE JUNCTION BOX TO SPAN WIRES WITH:
1-2/C 14

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