

MODEL: Default
FILE NAME: C:\Projects\16-187-005 COP Western Printing\Design\CADD\Transportation\CADD Sheets\D416187005-SHT-S00010.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004	0004	0005	0021	0021	0043
				100% CITY	90% FED 10% CITY	100% CITY	100% CITY	100% CITY	100% CITY
				NON-PARTICIPATING	HSIP	RESURFACING	TRAFFIC SIGNALS	LIGHTING	WATER MAIN
* 81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	100					100	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	819					819	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2601				2601		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1800				1800		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1018				1018		
* 87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	494				494		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	139				139		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	735				735		
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3				3		
* 87502450	TRAFFIC SIGNAL POST, GALVANIZED STEEL 11 FT.	EACH	1				1		
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2				2		
* 87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	2				2		
* 87702830	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	2				2		
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1				1		
* 87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1				1		
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1				1		
* 87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1				1		

* SPECIALTY ITEM

1



USER NAME = ColinC	DESIGNED - CC	REVISED - 10/19/2020 ADDENDUM 1
FILENAME = D416187005-SHT-S00010.dgn	DRAWN - AE	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CL	REVISED -
PLOT DATE = 10/21/2020 10:07:57 AM	DATE - 8/3/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BASE BID

SCALE: NTS SHEET 10 OF 20 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	13
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
		ILLINOIS	FED. AID PROJECT	

MODEL: OrFull
FILE NAME: T:\Projects\16-187-005 COP Western Printing\Design\CADD\Transportation\CADD Sheets\16-187-005-SHT-S00011.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004	0004	0005	0021	0021	0043
				100% CITY	90% FED 10% CITY	100% CITY	100% CITY	100% CITY	100% CITY
				NON-PARTICIPATING	HSIP	RESURFACING	TRAFFIC SIGNALS	LIGHTING	WATER MAIN
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1				1		
* 87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1				1		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15				15		
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	7				7		
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	43.5				43.5		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26				26		
* 87900200	DRILL EXISTING HANDHOLE	EACH	9				9		
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7				7		
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6				6		
* 88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2				2		
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4				4		
* 88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4				4		
* 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	17				17		
* 88700090	CONFIRMATION BEACON	EACH	4				4		
* 88700200	LIGHT DETECTOR	EACH	4				4		

* SPECIALTY ITEM



USER NAME = CollnC	DESIGNED - CC	REVISED - 10/19/2020 ADDENDUM
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PLOT SCALE = 2.0000" = 1 in.	CHECKED - CL	REVISED -
PLOT DATE = 10/21/2020 10:08:20 AM	DATE - 8/3/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
BASE BID

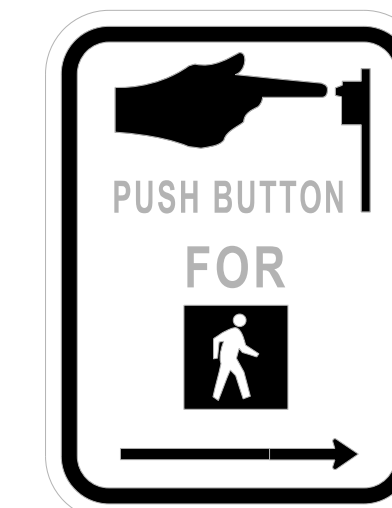
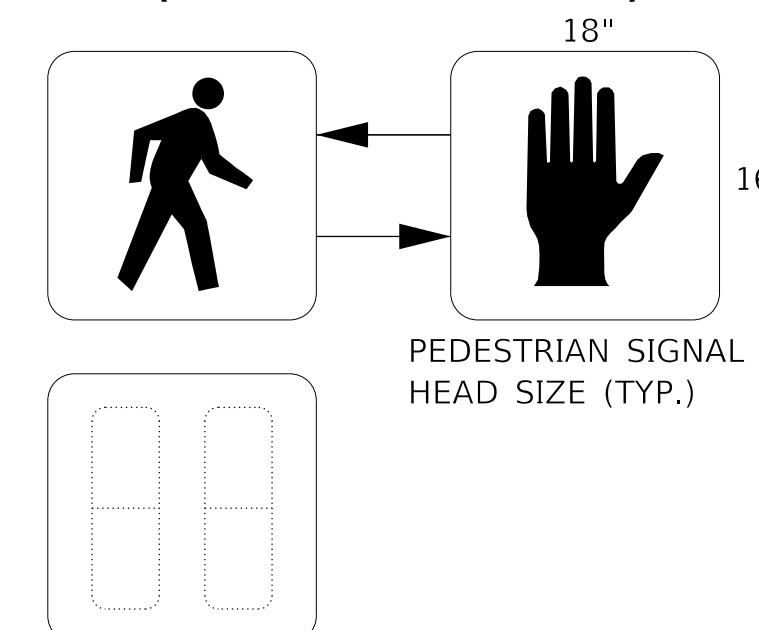
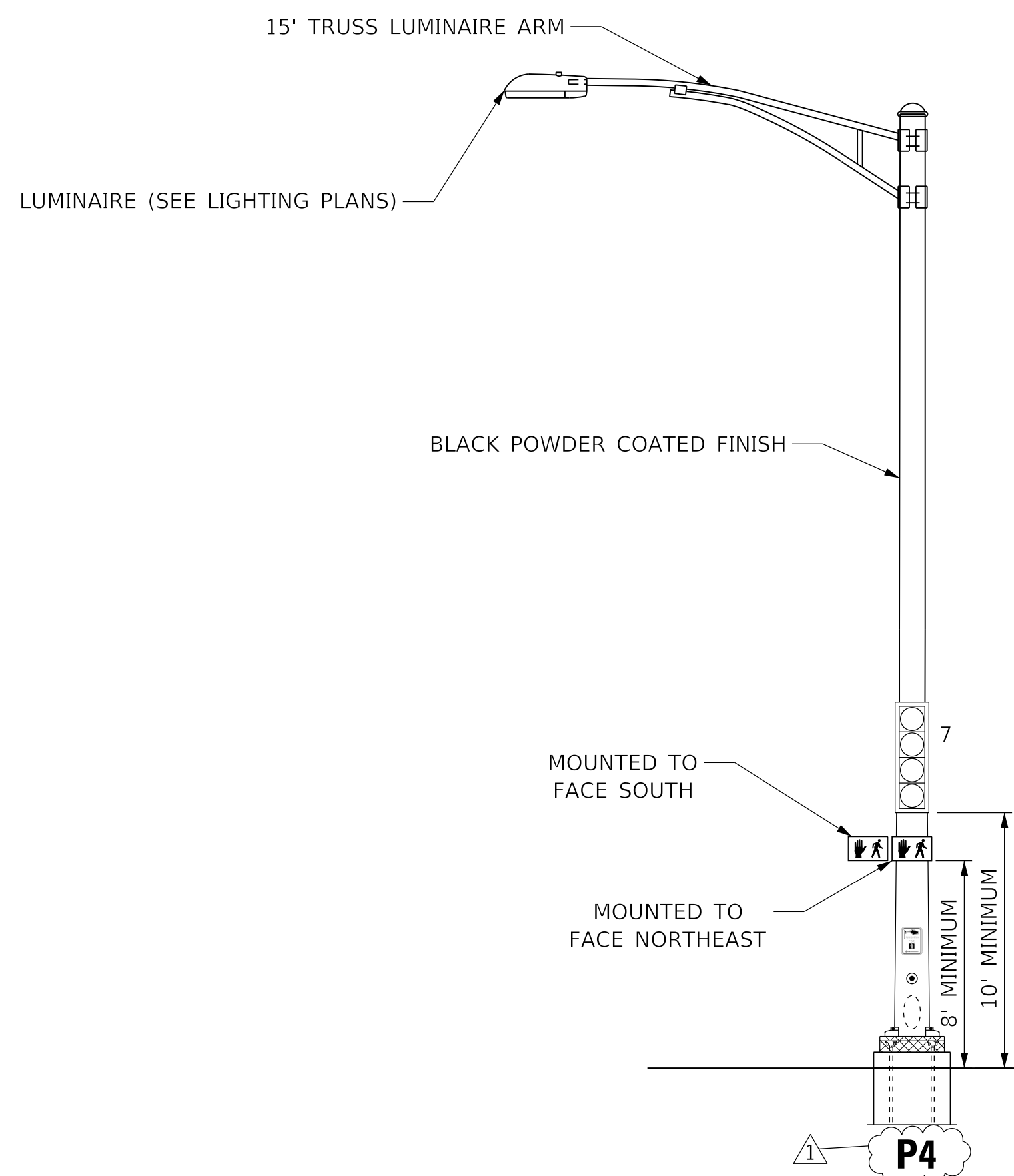
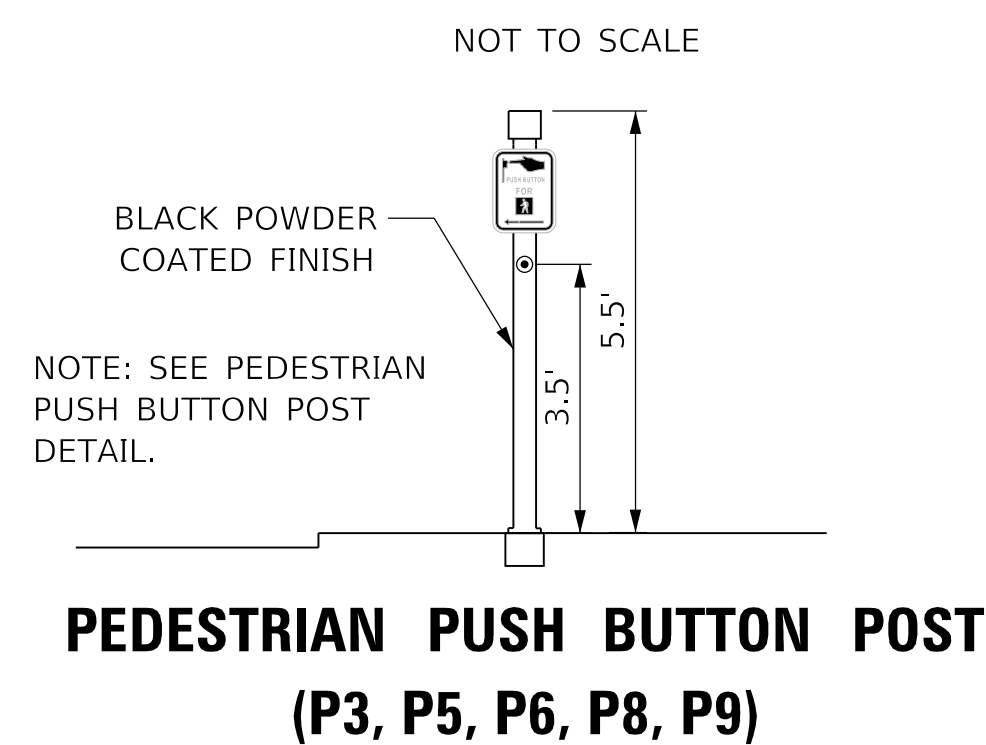
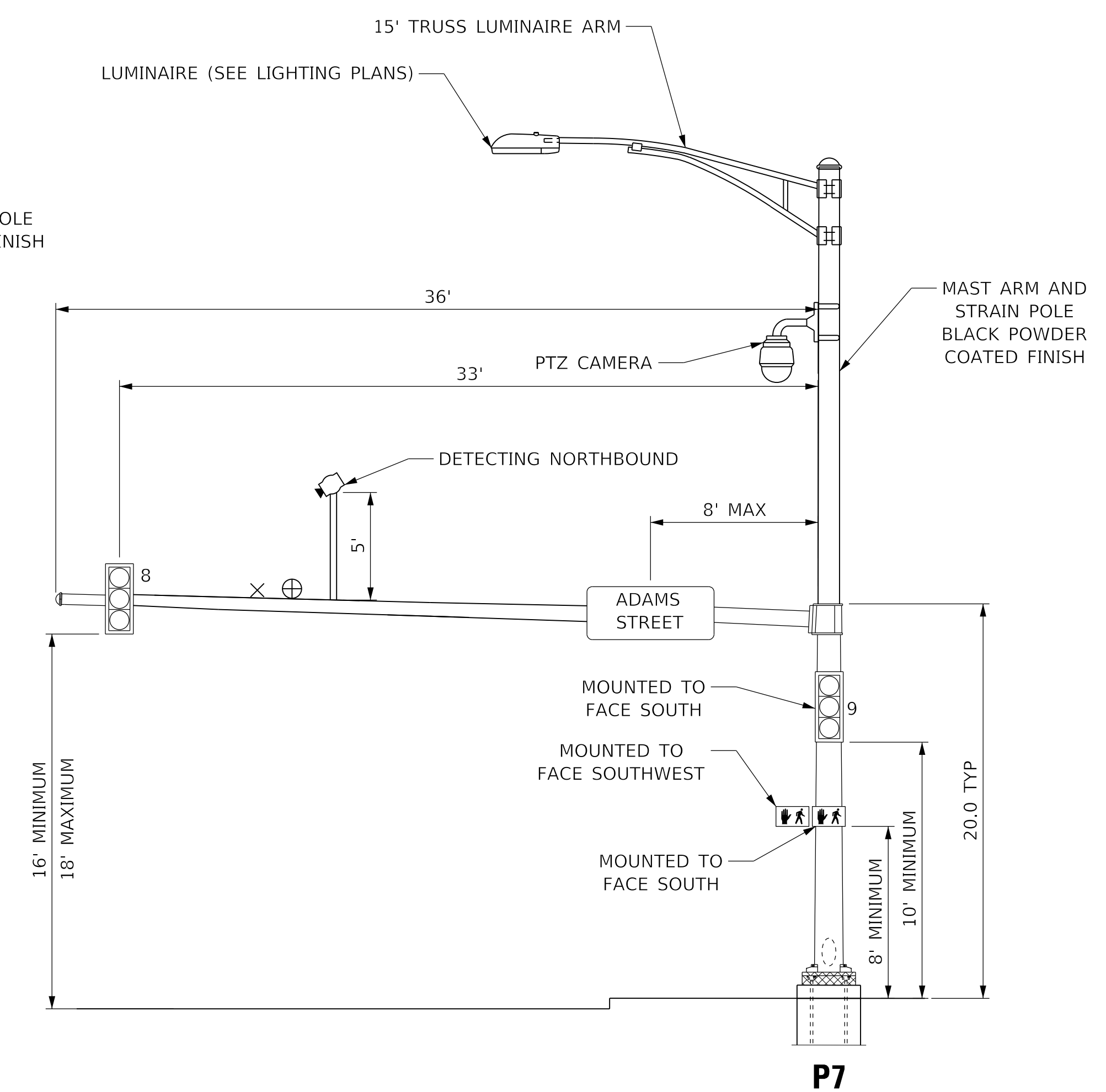
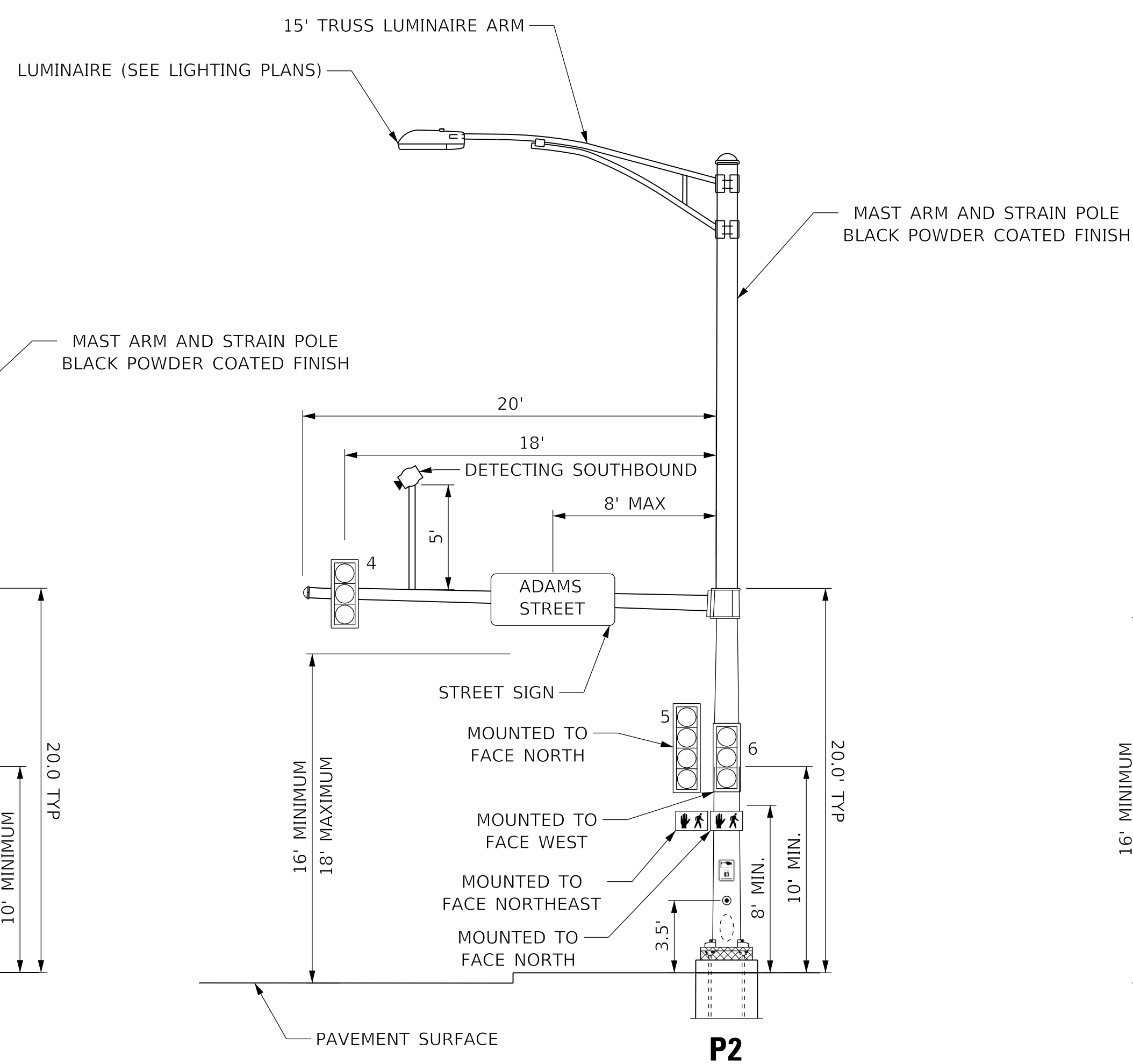
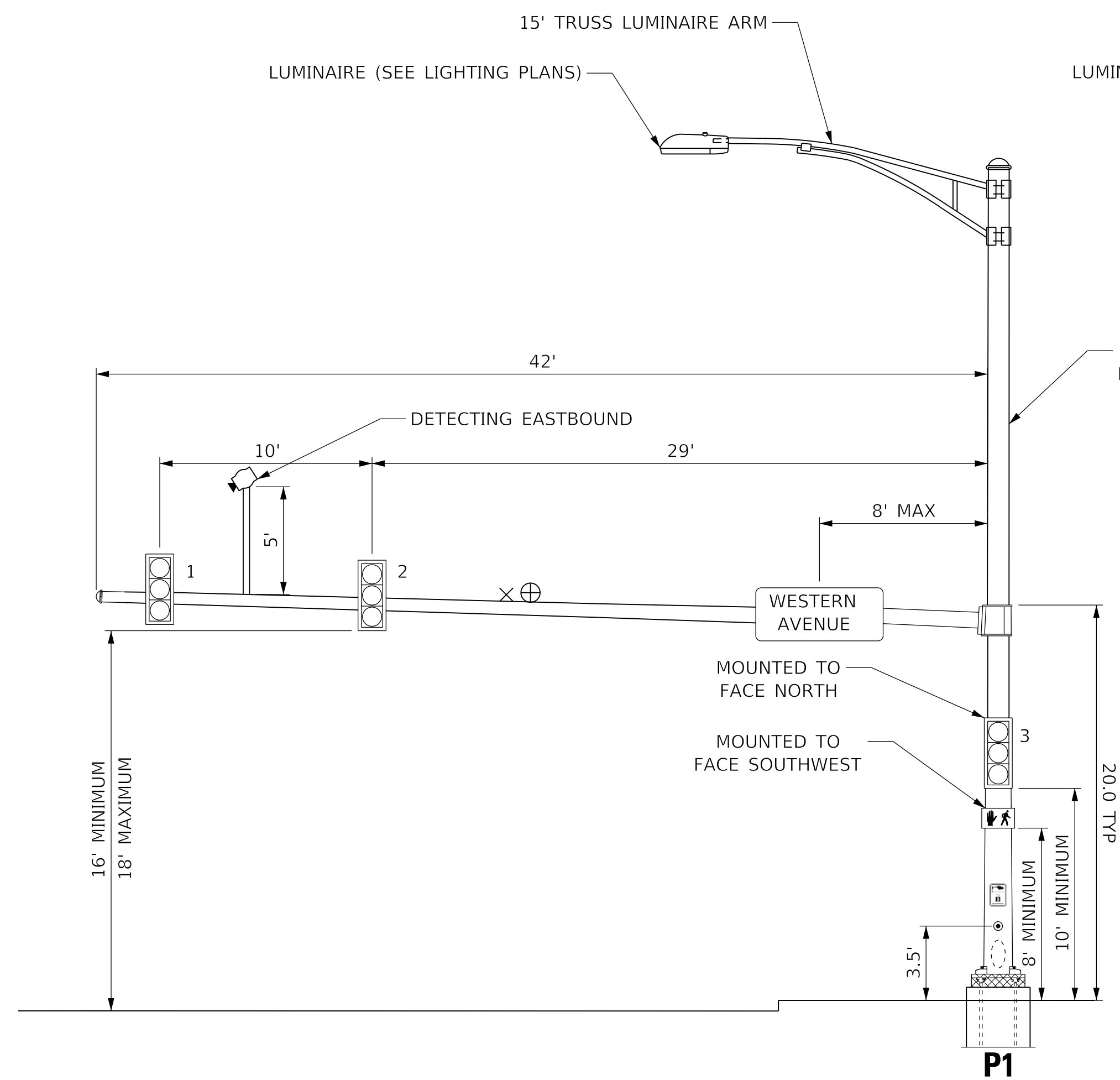
SCALE: NTS SHEET 11 OF 20 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	422	14
WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
		ILLINOIS FED. AID PROJECT		

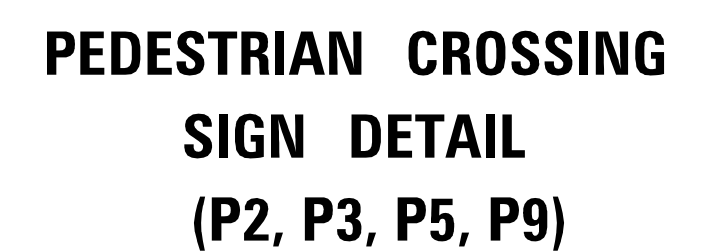
TRAFFIC SIGNALS SCHEDULE OF QUANTITIES

ITEM	UNIT	ADAMS	JEFFERSON	STARR	GARDEN	LINCOLN	HOWETT	INTERCONNECT	TOTAL
SERVICE INSTALLATION, TYPE A	EACH	1	1						2
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	110	202			9	19	5543	5883
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	26	127						153
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT		60						60
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	284	6						290
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4	2						6
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1						2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1582	969			50			2601
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	835	965						1800
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	849	169						1018
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	292	202						494
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	30	109						139
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	400	335						735
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1	1				1		3
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 11 FT.	EACH		1						1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH		1	1					2
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT	EACH	1	1						2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 20 FT	EACH	1	1						2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	EACH		1						1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT	EACH		1						1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT	EACH	1							1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT	EACH	1							1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT	EACH	1							1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT	EACH	1							1
CONCRETE FOUNDATION, TYPE A	FOOT	3	9	3					15
CONCRETE FOUNDATION, TYPE D	FOOT	3.5	3.5						7
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	23.5	20						43.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26							26
DRILL EXISTING HANDHOLE	EACH					4	3	2	9
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	4						7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	2						6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2							2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2	2						4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	3	1						4
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9	6			1	1		17
CONFIRMATION BEACON	EACH	2	2						4
LIGHT DETECTOR	EACH	2	2						4
LIGHT DETECTOR AMPLIFIER	EACH	1	1						2
PEDESTRIAN PUSH-BUTTON	EACH	8	4			2	4		18
RELOCATE EXISTING SIGNAL HEAD	EACH					4			4
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH						1		1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	1	1				4
REMOVE EXISTING HANDHOLE	EACH	5	4	4	4				17
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	6	5	5				23
RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH			4					4
ETHERNET MANAGE SWITCH	EACH	1							1
VIDEO VEHICLE DETECTION, 3 CAMERAS	EACH	1	1			1	1		4
CAT 5 ETHERNET CABLE	FOOT	191	135			251			577
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1	1			1	1		4
REMOVE PEDESTRIAN PUSH-BUTTON	EACH					2	2		4
FIBER OPTIC CABLE IN CONDUIT, 96 FIBERS, SINGLE MODE	FOOT							9823	9823
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	1						2
CONTROLLER CABINET TYPE IV, SPECIAL	EACH					1	1		2
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH		1			1			2
PEDESTRIAN PUSH-BUTTON POST	EACH	5	1	3		2	2		13
COMMUNICATIONS VAULT	EACH							12	12
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1	1			1	1		4

MODEL: Default
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4 REQUIRED
PEDESTRIAN PUSH-BUTTON SIGN
MUTCD R10-3 (RIGHT)
9" X 12" = 0.75 SQ FT
DIAMOND GRADE SHEETING



4 REQUIRED
PEDESTRIAN PUSH-BUTTON SIGN
MUTCD R10-3 (LEFT)
9" X 12" = 0.75 SQ FT
DIAMOND GRADE SHEETING

VIDEO DETECTION NOTE

FINAL PLACEMENT FOR CAMERA LOCATIONS WILL BE FIELD VERIFIED FOR PROPER FUNCTIONALITY.

SIGNAGE NOTES

STREET NAME SIGNS AND OTHER PROPOSED SIGNS SHOWN ARE TO BE FABRICATED AND INSTALLED BY THE CITY OF PEORIA, EXCEPT AS NOTED BELOW.

PEDESTRIAN PUSH BUTTON SIGNS (R3-10) ARE INCLUDED IN THE COST OF THE PUSH BUTTON AND SHALL BE INSTALLED BY THE CONTRACTOR.

LEGEND

- ✕ LIGHT DETECTOR (PRE-EMPTION)
- ⊕ CONFIRMATION BEACON (PRE-EMPTION)
- 📷 VIDEO DETECTION CAMERA

TRAFFIC SIGNAL LEGEND

HANDHOLE

DOUBLE HANDHOLE

CONTROLLER AND CABINET WITH UNINTERRUPTIBLE POWER SUPPLY

SIGNAL HEAD WITH BACKPLATE

POWER SERVICE INSTALLATION

PEDESTRIAN SIGNAL HEAD

PEDESTRIAN PUSH BUTTON

SIGNAL POST

STEEL COMBINATION MAST ARM ASSEMBLY AND POLE

CONDUIT

LIGHT DETECTOR

CONFIRMATION BEACON

VIDEO DETECTION CAMERA

DOME PTZ CAMERA ASSEMBLY

LUMINAIRE MAST ARM

###'

#" - PVC

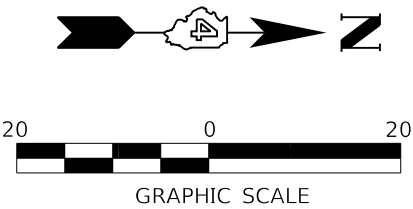
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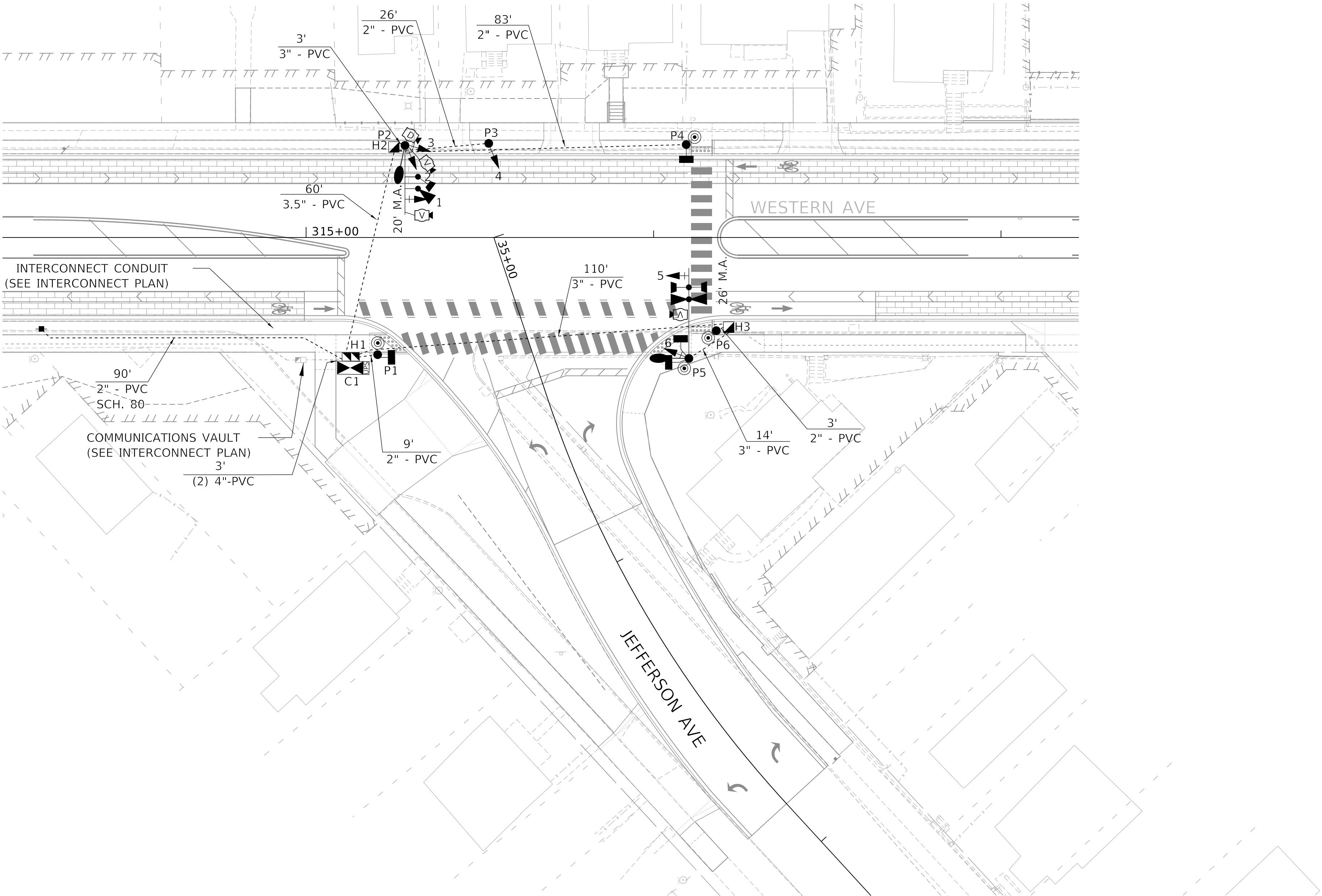
HANDHOLE DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	315+11	37' RT	DOUBLE HANDHOLE
H2	315+25	26' LT	HANDHOLE
H3	316+22	26' LT	HANDHOLE

SCHEDULE OF SIGNAL HEAD QUANTITIES			
LOCATION	ITEM	UNIT	QUANTITY
2,3,4,6	SH, 1F, 3S, BM	EACH	4
1,5	SH, 1F, 3S, MAM	EACH	2

POST AND MAST ARM DATA				
ID	STATION	OFFSET	DESCRIPTION	FDN.
C1	315+08	38' RT	CONTROLLER CABINET AND FOUNDATION, TYPE IV	TYPE D, 3.5' DEEP
P1	315+21	34' RT	TRAFFIC SIGNAL POST, GALAVANIZED STEEL, 11 FT.	TYPE A, 24" DIA, 3'DEEP
P2	315+28	26.5' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 20 FT	TYPE E, 30" DIA, 10'DEEP
P3	315+53	27' LT	TRAFFIC SIGNAL POST, GALAVANIZED STEEL, 14 FT.	TYPE A, 24" DIA, 3'DEEP
P4	316+09	27' LT	TRAFFIC SIGNAL POST, GALAVANIZED STEEL, 10 FT.	TYPE A, 24" DIA, 3'DEEP
P5	316+10	35' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT	TYPE E, 30" DIA, 10'DEEP
P6	316+18	27' RT	PEDESTRIAN PUSH BUTTON-POST	12"x12", 2.5'DEEP



ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	202
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	127
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	60
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	6
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	969
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	965
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	169
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	202
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	109
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	335
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 11 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 20 FT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	9
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	6
CONFIRMATION BEACON	EACH	2
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
VIDEO VEHICLE DETECTION, 3 CAMERAS	EACH	1
CAT 5 ETHERNET CABLE	FOOT	135
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1
PEDESTRIAN PUSH-BUTTON POST	EACH	1
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1



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PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 10/19/2020 3:25:44 PM

DESIGNED	- CC
CHECKED	- CH
DATE	- 8/3/2020

REVISED	- 10/19/2020 ADDENDUM A
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
WESTERN AVENUE AND JEFFERSON AVENUE

SCALE: 1"=20'	SHEET 7	OF 19 SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WESTERN AVE RECONSTRUCTION		CONTRACT NO. 89766		
		ILLINOIS FED. AID PROJECT		