04-27-12 LETTING ITEM 100

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

> FAU ROUTE 7045 (BOWMAN AVENUE) SECTION (92-12)TS

TRAFFIC SIGNAL MODERNIZATION **VERMILION COUNTY**

C-95-058-11

SECTION: (92–12)TS – **FAU 7045 (BOWMAN AVE.) &** I-74 EASTBOUND RAMPS



CITY OF DANVILLE

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: SCOTT NEIHART **PROJECT MANAGER: ROGER BIGGS**

CONTRACT NO. 70958

VERMILION 11 1



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION William R. Frey In Acting Director of Highways, Chief Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

G.N.-100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.07

EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE DISTRICT OPERATIONS ENGINEER TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATIONIN THE VICINITY OF THESE LINES. THE STATE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATING OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATIONOR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

G.N.-107.31

UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTLILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORSSYSTEM (800)892-0123 OR 811.

G.N.-1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

STANDARDS IN THE PLANS

COCCOA CC CTANDADD OVARDOLO ADDDEVATIONO AND DATTEDNO	
000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	
001001-02 AREAS OF REINFORCEMENT BARS	
001006 DECIMAL OF AN INCH AND OF A FOOT	
701101-02 TRAFFIC CONTROL - OFF ROAD LESS THAN 15 FT.	
701701-08 URBAN LANE CLOSURE MULTILANE INTERSECTION	
701901-02 TRAFFIC CONTROL DEVICES	
805001-01 ELECTRIC SERVICE INSTALLATION DETAILS	
814001-02 HANDHOLES	
814006-02 DOUBLE HANDHOLES	
857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUEN	CE
862001-01 UPS	
873001-02 TRAFFIC SIGNAL GROUNDING AND BONDING	
877001-05 STEEL MAST ARM ASSEMBLY AND POLE	
878001-09 CONCRETE FOUNDATION DETAILS	
880006-01 TRAFFIC SIGNAL MOUNTING DETAILS - POST AND BRACKET MOUN	T
886001-01 DETECTOR LOOP INSTALLATIONS	
886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS	

INDEX OF SHEETS

- 1 COVER SHEE
- 2 GENERAL NOTES, STANDARDS IN THE PLANS, INDEX
- 3 4 SUMMARY OF QUANTITIES
- 5 9 TRAFFIC SIGNAL PLAN SHEETS
- 10 11 TRAFFI C SIGNAL DETAILS

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	PLOT DATE = 2/29/2012	DATE -	REVISED -	

	GENERAL N	OTES, STA	NDARDS IN
		INDEX	OF SHEETS

THE PLANS,	F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
	7045	(92-12)TS	VERMILION	11	2
			CONTRACT	NO. 7	0958
TO CTA		10			

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAU 7045 BOWMAN AVE. & I-74 EB RAMPS

100% STATE

URBAN

0021

	,	CONSTRUCTION TYPE CODE:	01157111	002.1	
<u>CODE NO</u> 20200500	ITEM EARTH EXCAVATION (WIDENING)	CONSTRUCTION TYPE CODE: <u>UNIT</u> CU YD	TOTAL <u>QUANTITY</u> 3.5	QUANTITY 3.5	
35300720	PORTLAND CEMENT CONCRETE BASE COURSE 13"	SQ YD	28.0	28.0	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	81.0	81.0	
60500050	REMOVING CATCH BASINS	EACH	1.0	1.0	
67100100	MOBILIZATION	LSUM	1.0	1.0	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	1.0	1.0	n op de transportation of the state of the s
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0	1.0	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	98.0	98.0	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0	1.0	
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	104.0	104.0	
81028340	UNDERGROUND CONDUIT, PVC, 11/2" DIA.	FOOT	565.0	565.0	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	691.0	691.0	
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	152.0	152.0	
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	256.0	256.0	
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	38.0	38.0	
81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	4.0	4.0	
81400100	HANDHOLE	EACH	9.0	9.0	
81400300	DOUBLE HANDHOLE	EACH	1.0	1.0	
81500100 8305 110 85700200	GULFBOX JUNCTION LIGHT POLE, WOOD, 35 FOOT, CLASS 3 FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH EACH EACH	2.0 1.0	2.0 1.0 1.0	
86200200 8710011 0 87301245 87301255 87301255 87301515	UNINTERRUPTABLE POWER SUPPLY, STANDARD FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 GF ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C ELECTRIC CABLE IN CONDUIT, TRACER, NO 14 1 C ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	EACH FOOT FOOT FOOT FOOT FOOT	1.0 861.0 1,628.0 861.0 532.0 809.0 1,875.0	1.0 861.0 1,628.0 861.0 532.0 809.0 1,875.0	
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	34.0	34.0	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.	.61C FOOT	1,421.0	1,421.0	

*SPECIALTY

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	PLOT DATE = 2/3/2012	DATE	REVISED - ·		SCALE: SHEET OF SHEETS STA, TO STA.	ILLINOIS FED. A	ID PROJECT

SUMMARY OF QUANTITIES (cont.)

LOCATION OF WORK:

FAU 7045 BOWMAN AVE. & I-74 EB RAMPS 100% STATE

CONSTRUCTION TYPE CODE:

URBAN

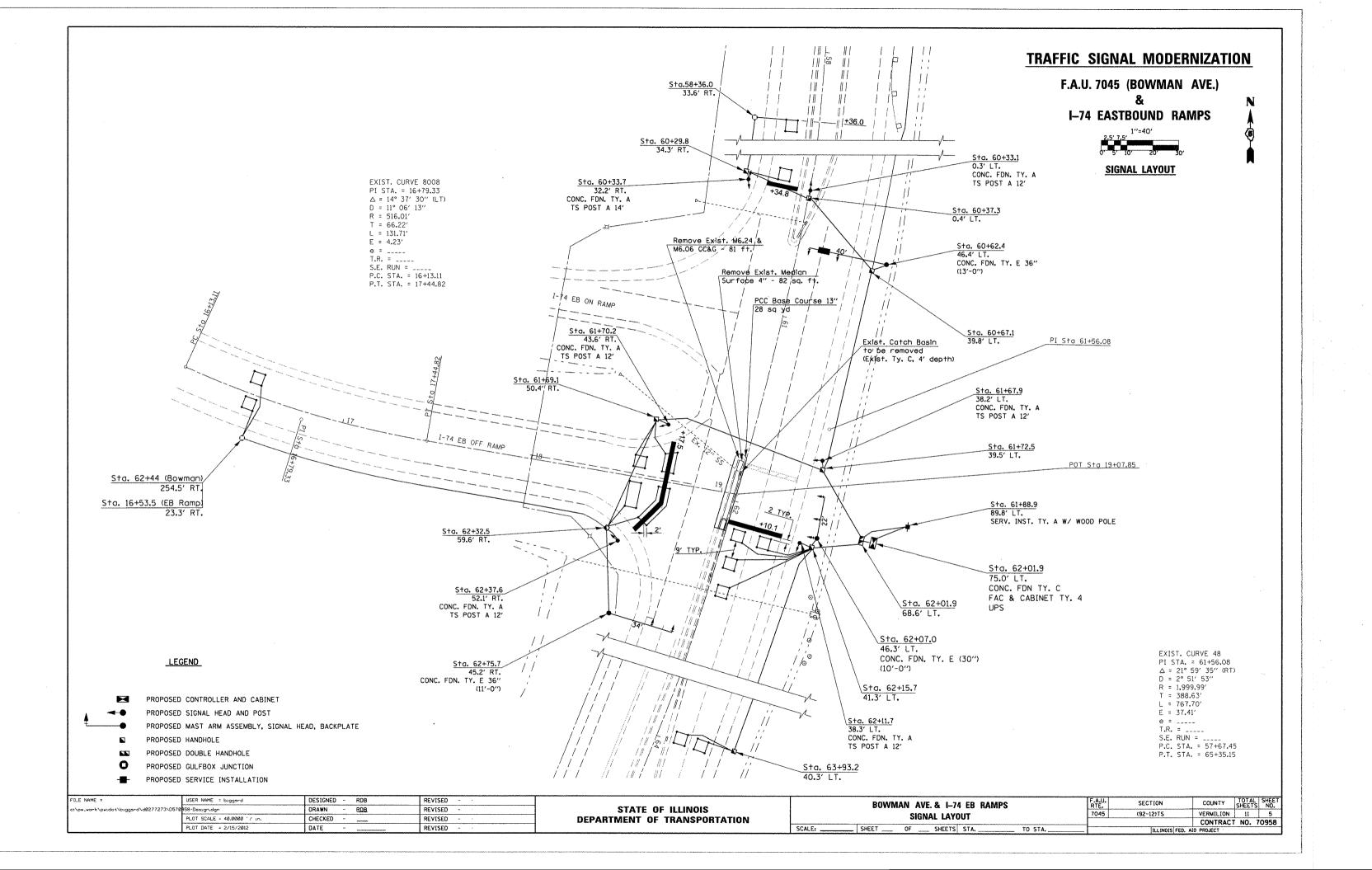
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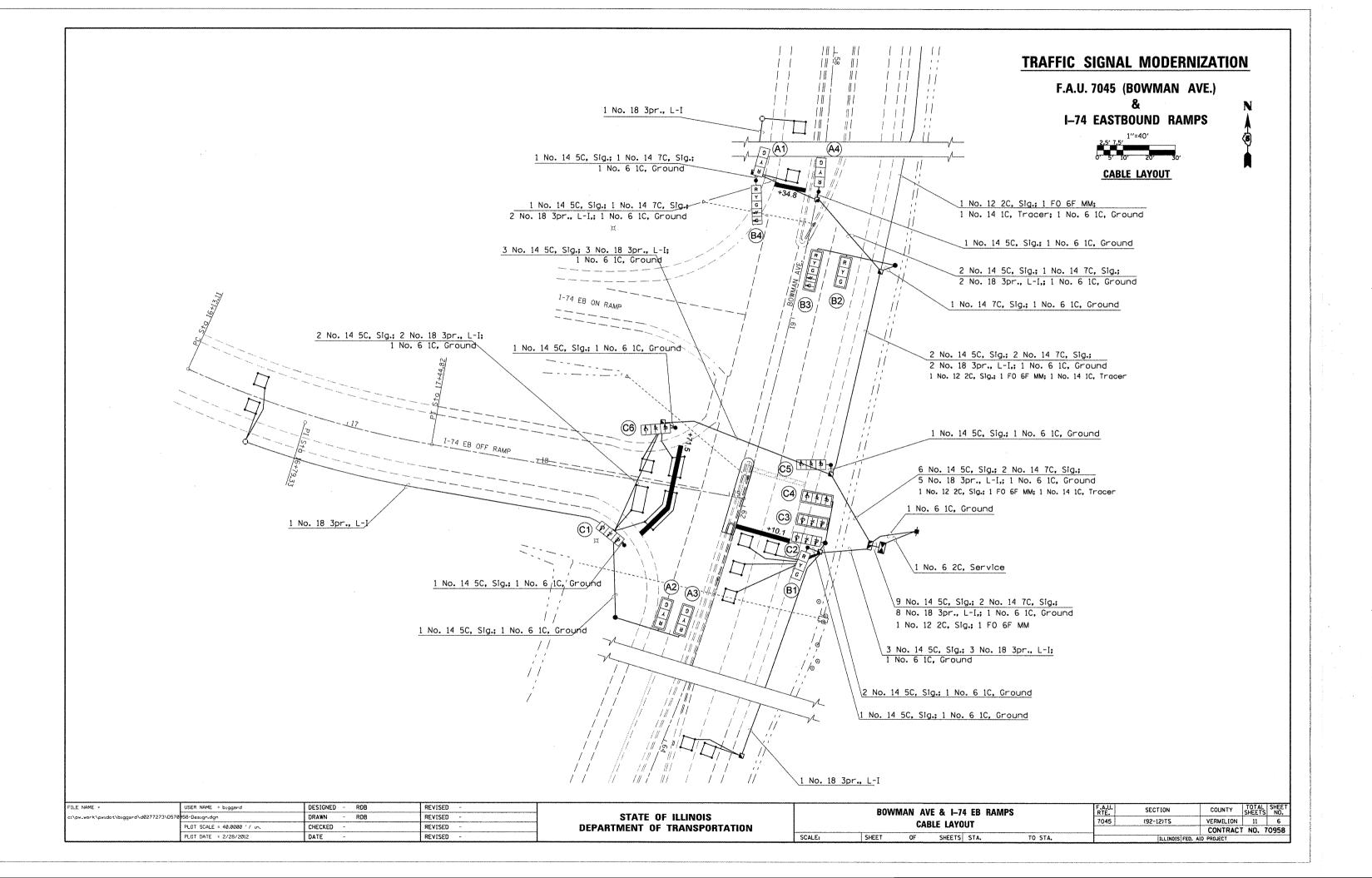
CODE NO	<u>ITEM</u>	<u>UNIT</u>	TOTAL QUANTITY	QUANTITY
87502660	TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	5.0	5.0
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1.0	1.0
87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1.0	1.0
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1.0	1.0
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1.0	1.0
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	18.6	18.6
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5	3.5
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0	10.0
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24.0	24.0
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6.0	6.0
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6.0	6.0
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1.0	1.0
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1.0	1.0
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	6.0	6.0
88500100	INDUCTIVE LOOP DETECTOR	EACH	11.0	11.0
88600100	DETECTOR LOOP, TYPE I	FOOT	601.0	601.0
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQFT	82.0	82.0
X6061354 X7015005 XX007251	CONCRETE MEDIAN, TYPE SM-6 (DOWELLED) CHANGEABLE MESSAGE SIGN INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	SQ FT CAL DA EACH	20.0 9.0 1.0	20.0 9.0 1.0

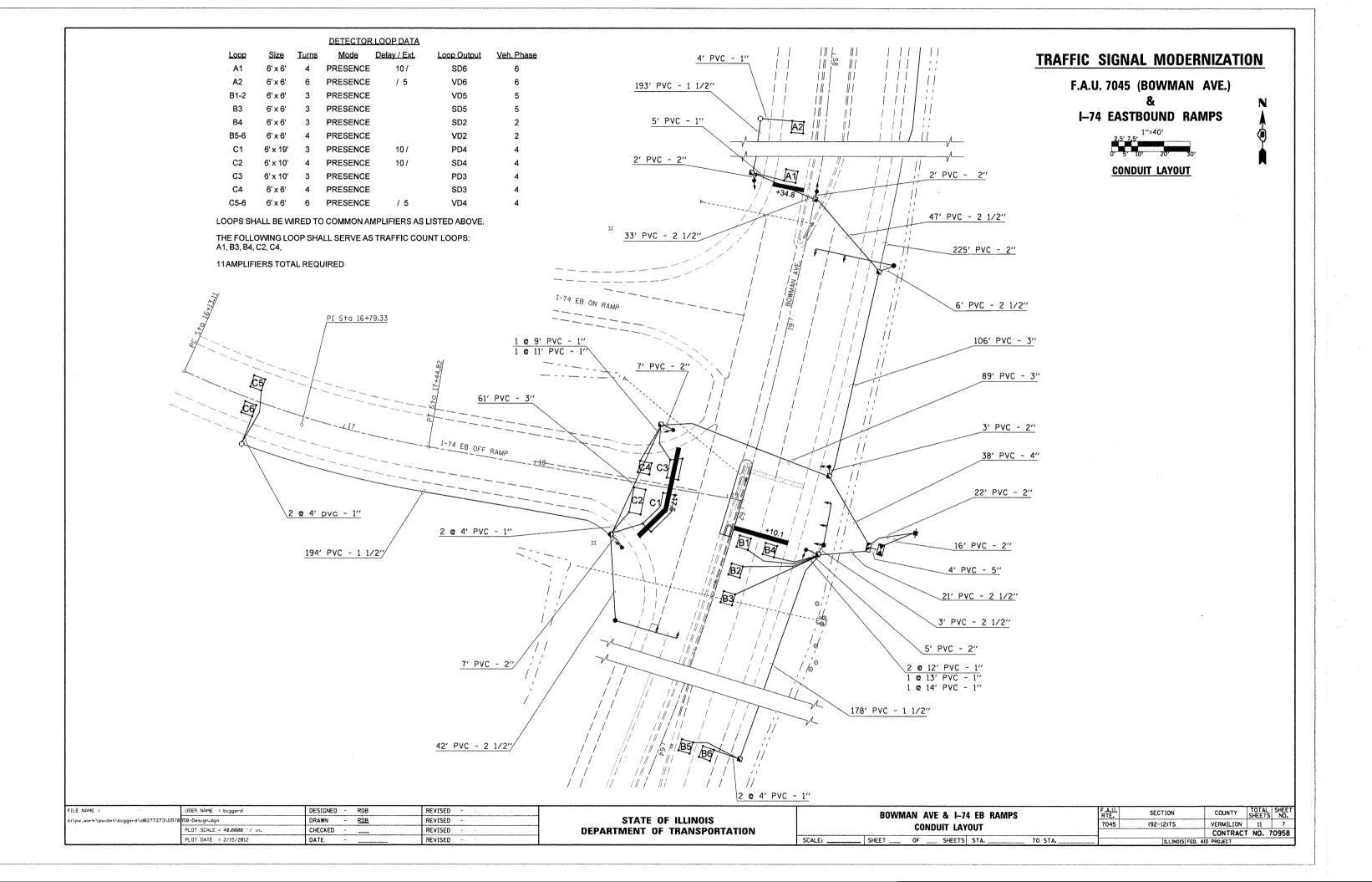
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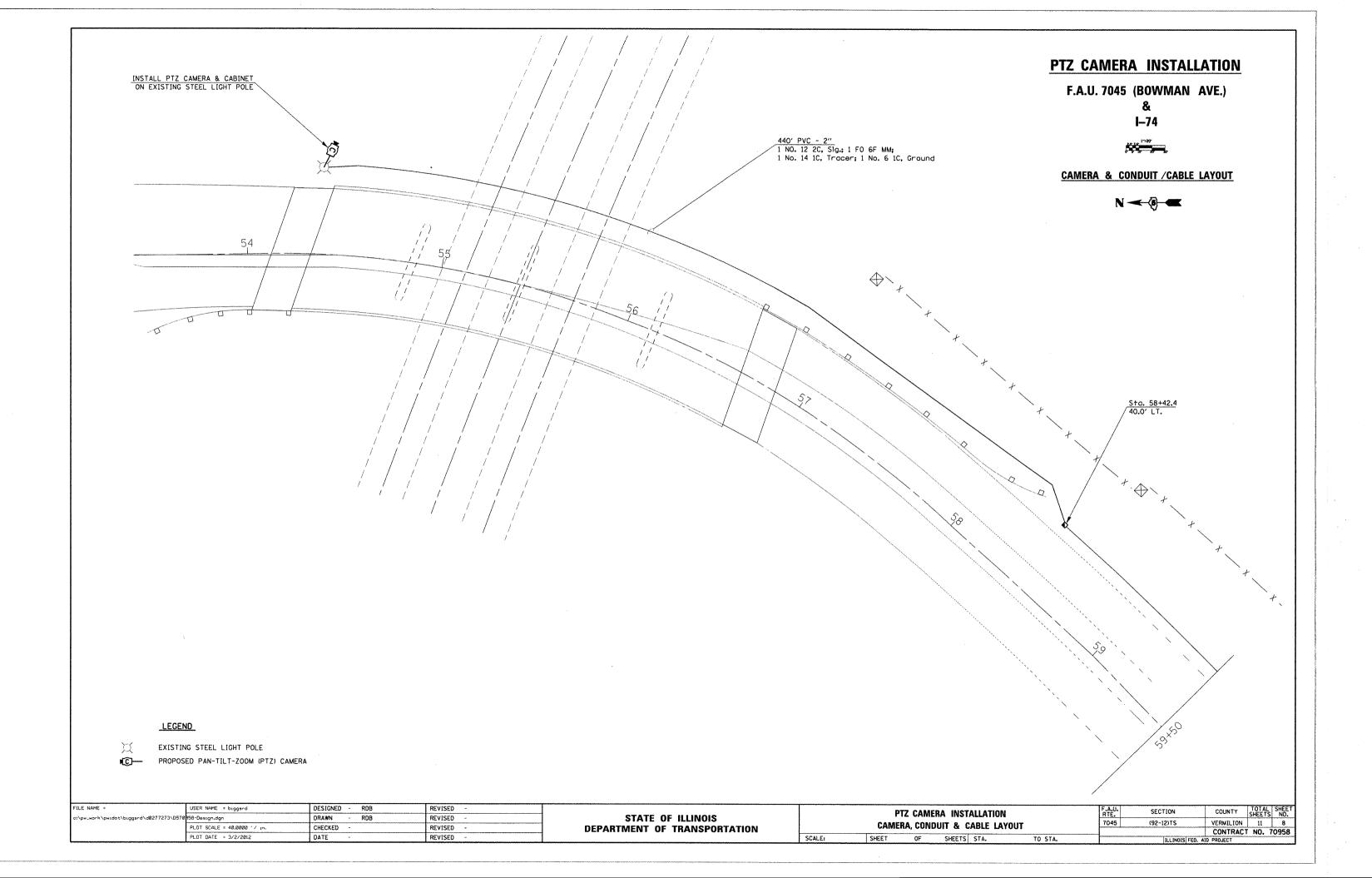
STATE	OF	ILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

						7045	(92-12)TS	CONTRACT	NO.	70958
SCALE:	SHEET	OF	SHEETS	STA	TO STA	ILLINOIS FED. AID PROJECT				









OUNDATION, TYPE A ; 0.3' LT. ; 43.6' RT. ; 38.2' LT. ; 38.3' LT. ; 52.1' RT. ; 32.2' RT.	3.1 3.1 3.1 3.1	FT. FT. FT.	GULFBOX JUNCTION Sta. 58+36.0; 33.6' RT. Sta. 62+44; 254.5' RT.	1 <u>1</u>	EA. EA.
; 43.6' RT. ; 38.2' LT. ; 38.3' LT. ; 52.1' RT.	3.1 3.1	FT.			
; 43.6' RT. ; 38.2' LT. ; 38.3' LT. ; 52.1' RT.	3.1 3.1	FT.			
; 38.2' LT. ; 38.3' LT. ; 52.1' RT.	3.1		July 17 1, 25 1.5 111.		
; 38.3' LT. ; 52.1' RT.					۵, ۱۰
; 52.1' RT.	9.1	FT.	TOTAL =	2	EA.
	3.1	FT.	TOTAL =	2	LA.
, 32.2 111.	3.1 3.1	FT.			
	<u> </u>	F1.			
TOTAL =	18.6	FT.	TRAFFIC SIGNAL POST, ALUMINUM,	14 FT.	
			Sta. 60+33.7; 32.2' RT.	1	EA.
OUNDATION, TYPE E 30) INCH DIA	<u>.</u>			
; 68.6' LT.	10	FT.	TRAFFIC SIGNAL POST, ALUMINUM,	12 FT.	
			Sta. 60+33.1; 0.3' LT.	1	EA.
					EA.
OUNDATION, TYPE E 36	INCH DIA				EA.
***************************************		_			EA.
; 46.4' LT.	13	FT.	· · · · · · · · · · · · · · · · · · ·	1	EA.
	11	FT.		_	
			TOTAL =	5	EA.
TOTAL =	24	FT.			
· 34 3' RT	1	FΔ			
TOTAL =	9	EA.			
NDHOLE					
; 68.6' LT.	1	EA.			
			•		
	GUNDATION, TYPE E 36 ; 46.4' LT. ; 45.2' RT. TOTAL = ; 34.3' RT. ; 0.4' LT. ; 39.8' LT. ; 50.4' RT. ; 159.6' RT. ; 40.3' LT. ; 40.0' LT. TOTAL =	CUNDATION, TYPE E 36 INCH DIA (46.4' LT. 13 (45.2' RT. 11 TOTAL = 24 (34.3' RT. 1 (39.8' LT. 1 (39.8' LT. 1 (39.5' LT. 1 (40.3' LT. 1 (40.0' LT. 1 (40.0' LT. 1 (40.0' LT. 1 (50.4' LT.	OUNDATION, TYPE E 36 INCH DIA. ; 46.4' LT.	OUNDATION, TYPE E 30 INCH DIA. ;68.6' LT. 10 FT. Sta. 60+33.1; 0.3' LT. Sta. 61+70.2; 43.6' RT. Sta. 61+67.9; 38.2' LT. Sta. 62+11.7; 38.3' LT. Sta. 62+37.6; 52.1' RT. TOTAL = 24 FT. TOTAL = 25 FT. TO	OUNDATION, TYPE E 30 INCH DIA. ; 68.6' LT. 10 FT. TRAFFIC SIGNAL POST, ALUMINUM, 12 FT. Sta. 60+33.1; 0.3' LT. 1 Sta. 61+67.9; 38.2' LT. 1 Sta. 62+11.7; 38.3' LT. 1 Sta. 62+37.6; 52.1' RT. 1 TOTAL = 24 FT. TOTAL = 5 TOTAL = 5 TOTAL = 6A. 41.3' LT. 1 EA. 41.3' LT. 1 EA. 41.3' LT. 1 EA. 41.3' LT. 1 EA. 40.3' LT. 1 EA. 40.0' LT. 1 EA. TOTAL = 9 EA.

GENERAL NOTES

- 1. THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- 2. ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
- 3. SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL AND INTERNET SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATIONS.

BILL OF MATERIALS

BOWMAN AVENUE & I-74 EASTBOUND RAMPS

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	104
UNDERGROUND CONDUIT, PVC, 11/2" DIA.	FOOT	565
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	691
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	152
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	256
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	38
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	4
HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	2
LIGHT POLE, WOOD, 35 FOOT, CLASS 3	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F	FOOT	861
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	809
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C	FOOT	861
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1628
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	532
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1875
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	34
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	628
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	5
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18.6
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	601
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1

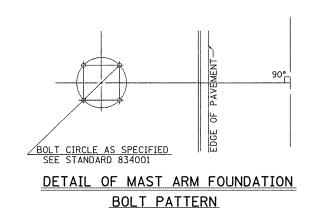
GENERAL NOTES

- 1. THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2. POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT. OF THE FACE OF CURB.
- 3. ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
- 4. ALL MAST ARM MOUNTED SIGNAL INDICATIONS SHALL BE MOUNTED OVER THE MIDDLE OF THE RESPECTIVE LANE. AS LOOKING ALONG THE CENTERLINE OF EACH STREET, A MINIMUM 2 FT. HORIZONTAL SEPARATION SHALL BE PLACED BETWEEN THE OUTSIDE SIGNAL HEADS OF EACH OPPOSING MASTARM TO PREVENT MASKING.
- 5. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
- THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.
- 7. THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.
- 8. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3) EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE HANDHOLE LOCATED AT THE BASE OF THE MAST POLE.

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	PLOT SCALE ≈ 40.0000 ' / in.	CHECKED ~	REVISED -
	PLOT DATE = 3/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SCH	EDULES, I	BILL OF	MATERIA	ALS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		GENE	RAI NO	FS		7045	(92-12)TS	VERMILION	11	9
	GENERAL NOTES				······			CONTRACT	NO. 7	10958
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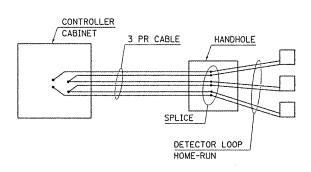


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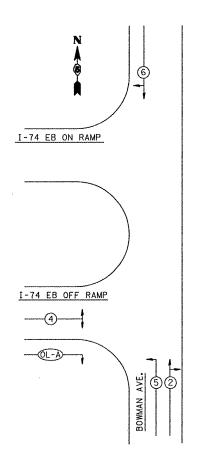
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DETAIL OF DETECTOR LOOP WIRING

WIRED IN SERIES WITH MULTI-PAIR CABLE



PHASE DESIGNATION DIAGRAM



DESIGNED - RDB

DRAWN - RDB

CHECKED -

DATE

USER NAME : biggsrd

PLOT DATE = 2/3/2012

PLOT SCALE = 40.0000 '/ in.

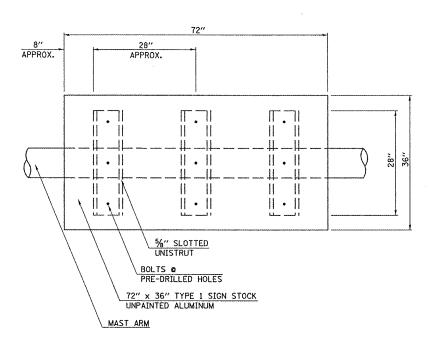
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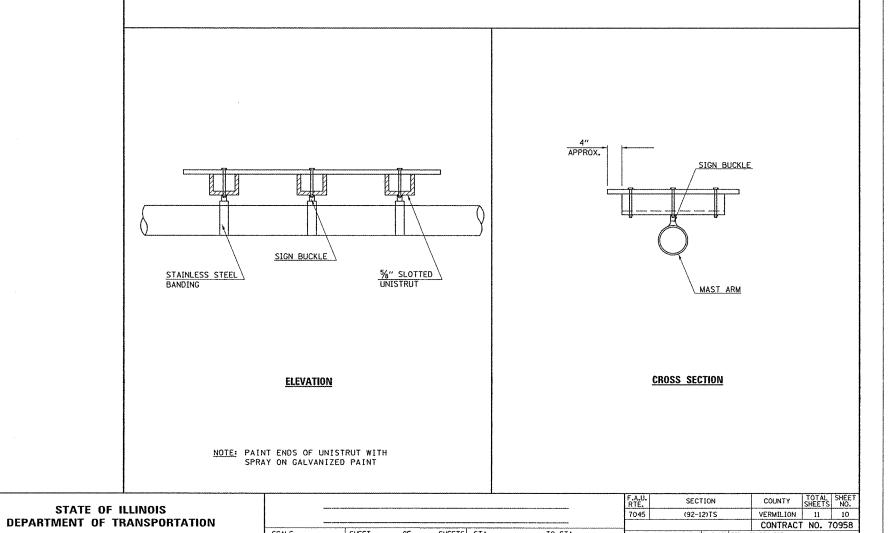
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MAST ARM DAMPENING DEVICE MOUNTING DETAIL



PLAN VIEW

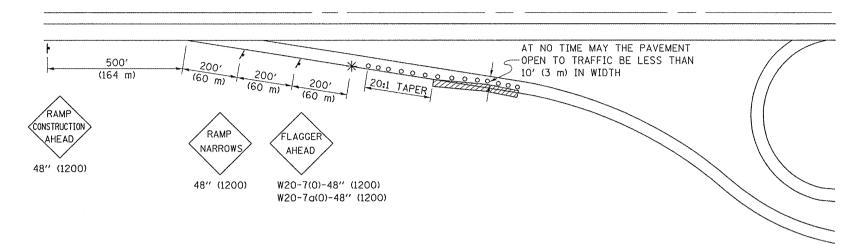


__ SHEET ___

OF ____ SHEETS STA._

TO STA.

APPLICATION NO. 1 DAY OPERATION ONLY PARTIAL RAMP CLOSURE



GENERAL NOTES

CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.

FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.

WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.

CLASS III BARRICADES WITH RAMP CLOSED SIGNS ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.

LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.

ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

APPLICATION NO. 2 RAMP CLOSURE

SYMBOLS

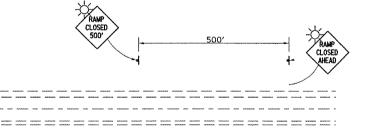
- (APPLICATION NO. 1) TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- * (APPLICATION NO. 1) FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- ▶ SIGN ON PORTABLE OR PERMANENT SUPPORT

WORK AREA

TYPICAL APPLICATIONS

PAVEMENT PATCHING PIPE UNDERDRAINS HMA RESURFACING

Traffic Control for all ramps shall be in accordance with the appropriate application of plan detail TRAFFIC CONTROL FOR RAMPS and will not be paid for separately, but shall be included in the contract lump sum prices for Traffic Control and Protection, Standard 701401 and Traffic Control and Protection, Standard 701406.



GENERAL NOTES

STEADY BURN LIGHTS ARE NOT REQUIRED FOR DAYTIME OPERATIONS.

CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER
AT 217-465-4181, ONE WEEK PRIOR TO CLOSING THE RAMP.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

						DISTR	IICT 5 DETA	IL NO. <u>7010</u>	03710
FILE NAME =	USER NAME = biggsrd	DESIGNED - RDB	REVISED - ·			F.A.U.	SECTION	COUNTY TO	OTAL SHEET
c:\pw_work\pwidot\biggsrd\d0277273\D570	958-Design.dgn	DRAWN - 605	REVISED -	STATE OF ILLINOIS			(92-12)TS	VERMILION	11 11
	PLOT SCALE = 40,0000 ' / in.	CHECKED	REVISED - ·	DEPARTMENT OF TRANSPORTATION				CONTRACT N	NO. 70958
	PLOT DATE = 2/3/2012	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA TO STA	_	ILLINOIS FED.	AID PROJECT	