

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
VARIOUS LOCATIONS
SECTION: 2015-039L
PROJECT: ACNHPP-000V (081)
REPLACE LIGHT TOWERS & FOUNDATIONS
AT VARIOUS LOCATIONS ALONG I-55 AND I-290
COOK & DUPAGE COUNTIES
C-91-366-15

* 84 + 10 = 94 TOTAL SHEETS

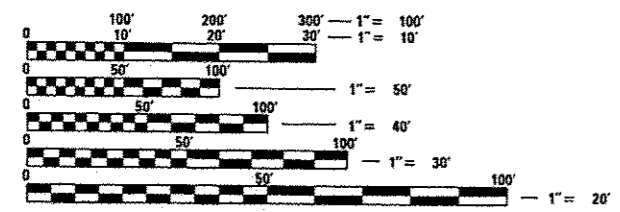
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	VARIOUS	84	1
ILLINOIS			CONTRACT NO. 62A98	



Harjit Singh 08/11/2016

EXPIRES: 11-30-2017

FINAL SUBMITTAL



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

SEE LOCATION MAPS
SHEETS E-KP1 THRU E-KP4



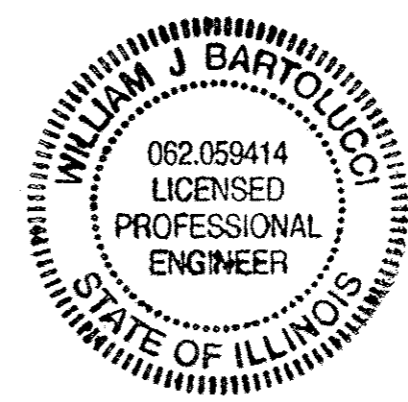
DELTA ENGINEERING GROUP, LLC
111 W. JACKSON BLVD., CHICAGO, IL 60604
MAIN 312-377-7700 FAX 312-427-8145



C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER TONY GODINHO
PROJECT MANAGER MARK JENKINS
CONTRACT NO. 62A98



William J Bartolucci
8/11/2016

EXPIRES: 11-30-2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

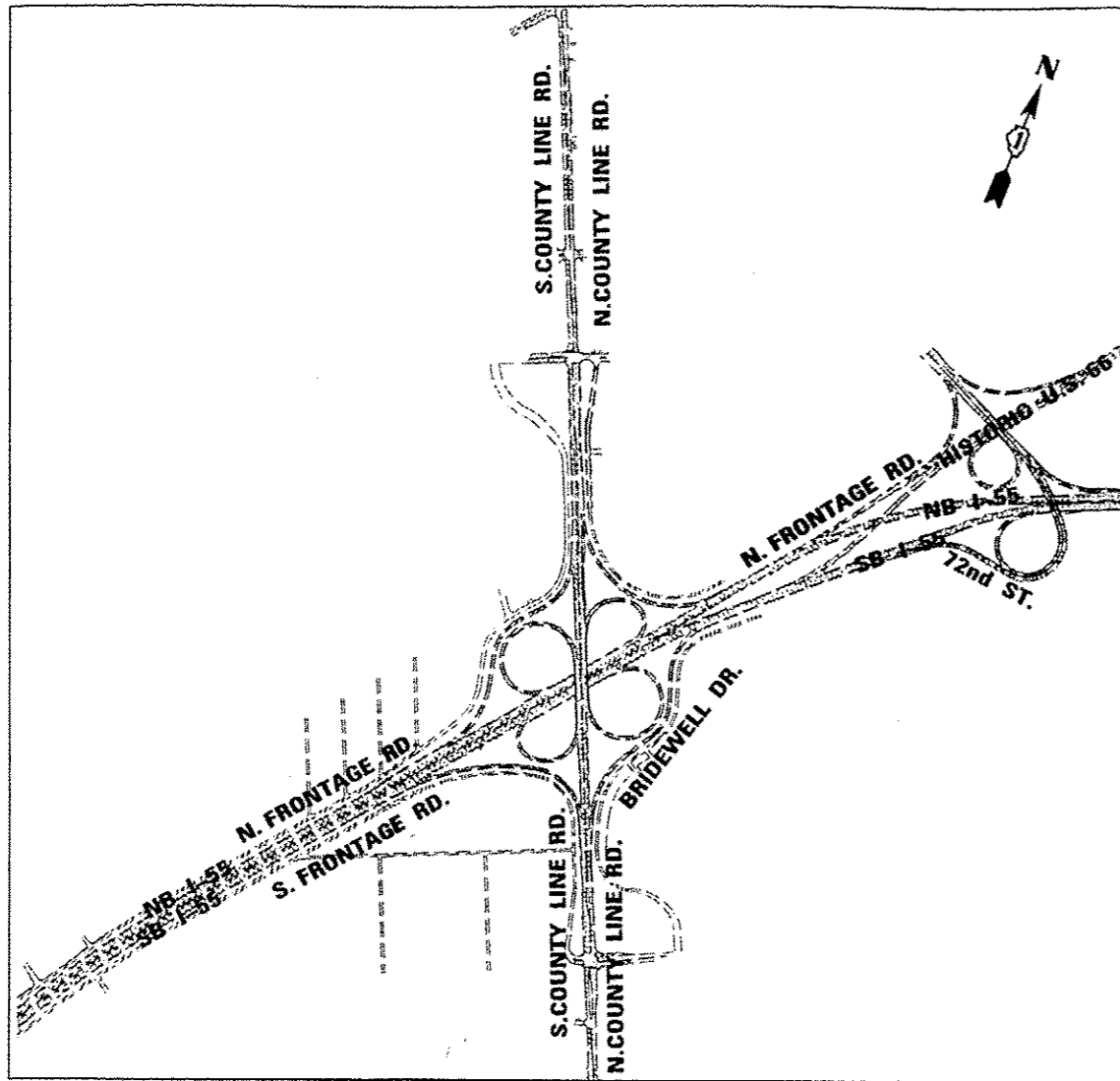
SUBMITTED *12 Aug 2016*

John J. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER

Sept 30 2016
Maureen M. Addis P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Sept 30 2016
Cher Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**



I-55 /S. COUNTY LINE ROAD
SCALE: NONE

NEAR BY CITY OR VILLAGE: BURR RIDGE
 COUNTY: COOK

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USER NAME * #USER*	DESIGNED - HM	REVISED -
PLLOT SCALE * #SCALE*	DRAWN - GJ	REVISED -
PLLOT DATE * 18/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED ROADWAY	90% FED ROADWAY	90% FED HIGHWAY LIGHTING	90% FED HIGHWAY LIGHTING
				10% STATE 0005 COOK	10% STATE 0005 DUPAGE	10% STATE 0021 COOK	10% STATE 0021 DUPAGE
20101000	TEMPORARY FENCE	FOOT	2890	2890			
20200100	EARTH EXCAVATION	CU YD	64	56			8
20101200	TREE ROOT PRUNING	EACH	5	5			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4027	3827			200
25000210	SEEDING, CLASS 2A	ACRE	0.11	0.11			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10			
25100630	EROSION CONTROL BLANKET	SQ YD	4027	3827			200
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25			
28000400	PERIMETER EROSION BARRIER	FOOT	1688	1688			
28000500	INLET AND PIPE PROTECTION	EACH	7	7			
28001000	TEMPORARY EROSION CONTROL BLANKET	SQ YD	1000	800			200
31101200	SUBBASE GRANULAR MATERIAL TYPE B 4"	SQ YD	62	62			
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	13	13			
42001300	PROTECTIVE COAT	SQ YD	360	360			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	558	558			
42000260	WELDED WIRE REINFORCEMENT	SQ YD	15	15			
44000200	SIDEWALK REMOVAL	SQ FT	558	558			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1			
44001980	CONCRETE BARRIER REMOVAL	FOOT	200	200			
50200100	STRUCTURE EXCAVATION	CU YD	29	29			
50300225	CONCRETE STRUCTURES	CU YD	17	17			
50300900	PROTECTIVE COAT	SQ YD	26	26			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2250	2250			
62000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	175	175			
6310045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2			
6310069	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2			
66400105	CHAIN LINK FENCE, 4'	FOOT	30	30			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED ROADWAY	90% FED ROADWAY	90% FED HIGHWAY LIGHTING	90% FED HIGHWAY LIGHTING
				10% STATE 0005 COOK	10% STATE 0005 DUPAGE	10% STATE 0021 COOK	10% STATE 0021 DUPAGE
** *	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	127	118	9	
** *	66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.9	0.1	
** *	66900530	SOIL DISPOSAL ANALYSIS	EACH	10	9	1	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	6	1	
	67100100	MOBILIZATION	LSUM	1	0.9	0.1	
*	70400100	TEMPORARY CONCRETE BARRIER	FOOT	320	320		
*	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1		
**	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	32	32		
	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1892		1857	35
	81400200	HEAVY-DUTY HANDHOLE	EACH	1			1
*	81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	15520		15150	370
*	81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	400		400	
	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	470		470	
	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1410		1410	

* - ITEM WITH SPECIAL PROVISION
 ** - SPECIALTY ITEM

REV. 10-20-16

E-QTY1



USER NAME = #USER#	DESIGNED - HM	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJ	REVISED -
PLOT DATE = 8/11/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	VARIOUS	84	6
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

2005 7 00A

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING	90% FED 10% STATE HIGHWAY LIGHTING
				0005	0005	0021	0021
				COOK	DUPAGE	COOK	DUPAGE
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	9			9	
82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	15			15	
82105700	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750 WATT	EACH	32			32	
82105800	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 1000 WATT	EACH	3				3
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	9			9	
* 83502500	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	8			8	
* 83503500	LIGHT TOWER, 110 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	4			3	1
* 83505500	LIGHT TOWER, 130 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	1			1	
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	9			9	
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	197.5			178.5	19
83700350	LIGHT TOWER FOUNDATION, 54" DIAMETER	FOOT	18			18	
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	9			9	
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	21			21	
X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.73	0.69	0.04		
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	9			9	
X043020	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	1			1	

J5811070	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	160				160
J5812083	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2				2
J5816076	UNIT DUCT, WITH 4-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	500				500
J5821001	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2				2
J5830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT MAST ARM	EACH	2				2
J5836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	2				2
J5846001	MAINTAIN LIGHTING SYSTEM	L SUM	1				1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED 10% STATE ROADWAY	90% FED 10% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING	90% FED 10% STATE HIGHWAY LIGHTING
				0005	0005	0021	0021
				COOK	DUPAGE	COOK	DUPAGE
X0640300	CHAIN LINK FENCE REMOVAL	FOOT	220			220	
** X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	200			200	
φ Z0076600	TRAINEES	HOURL	1000			1000	
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	0.9	0.1		
φ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	1000			1000	
* X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	0.85	0.15		
* X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	11			9	2
* X8420510	REMOVAL OF TOWER FOUNDATION	EACH	17			15	2
* X400190	REMOVE HIGH MAST LUMINAIRE, SALVAGE	EACH	41			35	6
* X1400185	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 5	CAL MO	6			6	
* X1400186	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 6	CAL MO	6			6	
* X1400187	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 1	CAL MO	7			7	
* X1400182	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 2	CAL MO	6			6	
* X1400183	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 3	CAL MO	6				6
* X1400194	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 4	CAL MO	6				6
* X400197	MAINTENANCE OF LIGHTING SYSTEM, LOCATION 7	CAL MO	6				6

* - ITEM WITH SPECIAL PROVISION
 ** - SPECIALTY ITEM
 φ - 004Z

REV. 10-20-16


E-QTY2

Tower Replacement Grouped per Location

Tower Information

Item #	Lighting Controller "L" Number	Lighting Controller Designation	TOWER Structure No.	County	Nearby City or Village	Main Route	Cross St	Existing Latitude	Existing Longitude	PROPOSED HIGH MAST LUMINAIRE (QUANTITY-WATTAGE)	LUMINAIRE VOLTAGE	EXISTING High Mast Luminaires to be SALVAGED	EXISTING TOWERS TO BE REMOVED NO SALVAGE	EXISTING TOWERS THAT HAVE BEEN REMOVED	EXISTING Foundations to be Removed	EXISTING Tower Height (FEET)	PROPOSED TOWER HEIGHT (FEET)	PROPOSED RECOMMENDED FOUNDATION Depth (FEET)	PROPOSED FOUNDATION DIAMETER (INCHES)
11	L0195	T	5TIJ1	Cook	Burr Ridge	I-55	County Line Rd	41.75717	-87.91393	5-750W	240			X	X	100	100	15.5	48
12	L0195	T	3TKL3	Cook	Burr Ridge	I-55	County Line Rd	41.76226	-87.91642	3-750W	240			X	X	100	100	15.5	48
13	L0195	T	3TOP3	Cook	Burr Ridge	I-55	County Line Rd	41.75512	-87.92046		240			X	X	100			
16	L0195	T	4TEF3	Cook	Burr Ridge	I-55	County Line Rd	41.75509	-87.91482	4-750W	240			X	X	100	100	15.5	48
18	L0195	T	3TEF1	Cook	Burr Ridge	I-55	County Line Rd	41.75605	-87.91372	3-750W	240			X	X	100	100	13.5	48
19	L0195	T	4TAB3	Cook	Burr Ridge	I-55	County Line Rd	41.75267	-87.92421	NONE	240	4-750W	X		X	100	NONE	NONE	NONE
22	L0195	T	4TCD1	Cook	Burr Ridge	I-55	County Line Rd	41.75571	-87.91612	4-750W	240	4-750W	X		X	100	100	15.5	48
24	L0195	T	3TMN3	Cook	Burr Ridge	I-55	County Line Rd	41.75988	-87.91626	3-750W	240	3-750W	X		X	100	100	25	48
25	L0195	T	3TGH4	Cook	Burr Ridge	I-55	County Line Rd	41.75337	-87.91532	3-750W	240	3-750W	X		X	100	100	13.5	48
26	L0195	T	4TOP1	Cook	Burr Ridge	I-55	County Line Rd	41.75665	-87.91689	4-750W	240	4-750W	X		X	100	100	15.5	48
32	L0195	T	4TAB2	Cook	Burr Ridge	I-55	County Line Rd	41.75312	-87.92319	NONE	240	4-750W	X		X	100	NONE	NONE	NONE
15	L1510	N	4NCD3	Cook	Schaumburg	I-290/IL 53	S of IL 72 (Higgins Rd) North of Biesterfield	42.013813	-88.029588	4-400W	240			X	X	110	110	14	48
35	L1510	N	6NIJ1	Cook	Schaumburg	I-290/IL 53	S of IL 72 (Higgins Rd)	42.034088	-88.030427	6-400W	240	6-400W	X		X	110	110	16	48
20	L1405	W	3WGH10	DuPage	Berkeley	I-290	St Charles Rd	41.889477	-87.918709	3-1000W	240	3-1000W	X		X	110	110	19	48
23	L1410	X	3KEF4	DuPage	Elmhurst / Northlake	I-290/I-294	IL 64 (North Ave)	41.905053	-87.920138	NONE	240	3-1000W	X		X	100	NONE	NONE	NONE
31	L0110	C	5CCD6	Cook	Chicago	I-55	Wentworth Ave	41.847719	-87.630438	5-400W	240	5-400W	X		X	110	110	19	48
34	L0180	O	2OGH4	Cook	Bedford Park	I-55	85th Ave (8500W) (South of IL171)	41.779951	-87.836463	2-750W	240	2-750W	X		X	130	130	18	54

E-TLC

 DELTA ENGINEERING GROUP, LLC	USER NAME: *USER*	DESIGNED: - HM	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOWER REPLACEMENT GROUPED PER LOCATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: *SCALE*	DRAWN: - GJ	REVISED: -			2015-039L	VARIOUS	84	8	
	PLT DATE: *10/17/2016	CHECKED: - HS	REVISED: -			CONTRACT NO. 62A98				
	DATE: - 08-11-2016	DATE: - 09-29-16 KK	REVISED: -			ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 1 OF 1 SHEETS		STA. TO STA.						

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR'S VEHICLES MUST ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC, AND THEY MUST ENTER OR LEAVE WORK AREAS IN A MANNER WHICH IS NOT HAZARDOUS TO TRAFFIC AND WILL NOT INTERFERE WITH NORMAL TRAFFIC. THE CONTRACTOR'S VEHICLES MUST NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES ARE NOT PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN AREAS DESIGNATED BY THE COMMISSIONER.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE FIELD FIT TO CONDITIONS AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS THAT ARE TO BE IN PLACE MORE THAN 4 DAYS SHALL BE MOUNTED ON METAL POSTS WHEN POSSIBLE, 7 FEET FROM THE TOP OF PAVEMENT TO THE BOTTOM OF THE SIGN, AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A DIGGER LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS, THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
4. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED.
5. BORING PITS ARE TO BE PLACED AT LEAST 15' FROM THE TRAVELED WAY ON THE MAINLINE TO ELIMINATE THE NEED FOR TRAFFIC CONTROL AND PROTECTION PER IDOT HIGHWAY STANDARD 701106-02.
6. USE IDOT DISTRICT 1 STANDARD TC-17 ON RAMPS AND SHOULDER CLOSURES ON I-55 AND I-290 WHERE REQUIRED.
7. USE IDOT HIGHWAY STANDARD 701001-02, 701006-05, 701101-05 AND 701201-04 ON FRONTAGE ROADS WHERE REQUIRED.
8. USE IDOT HIGHWAY STANDARD 701801-06 FOR SIDEWALK CLOSURES WHERE REQUIRED.
9. IF BORING PIT IS LOCATED WITHIN THE CLEAR ZONE BUT OUTSIDE OF CONSTRUCTION CLEAR ZONE, TRAFFIC CONTROL AND PROTECTION MUST REMAIN IN PLACE ADJACENT TO BORING PIT UNTIL EXCAVATED AREA IS FILLED.
10. TOWER ASSEMBLY LAYDOWN AREAS MUST BE APPROVED BY THE ENGINEER PRIOR TO USE. ADDITIONAL TRAFFIC CONTROL WILL NOT BE PROVIDED SOLELY FOR TOWER LAYDOWN AREAS.

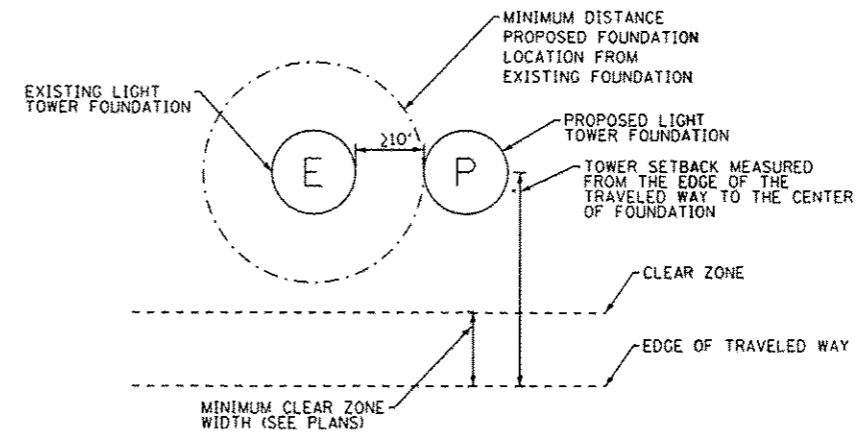
THE FOLLOWING STANDARDS ARE TO BE APPLIED TO EACH SITE:

- I-55 AT COUNTY LINE RD: TC-09, TC-10, TC-17, 701001-02, 701201-04, 701501-06, 701601-09, 701801-06
- I-290 AT BIESTERFIELD RD: TC-17
- I-290 AT ST. CHARLES RD: TC-17
- I-290 AT IL 64: E3-05
- I-55 AT WENTWORTH AVE: TC-08, TC-17
- I-55 AT 85TH AVE: TC-18, 643001-02, 701400-08, 701401-09, 701428-01, 701446-07, 704001-08, 782006-00

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONSTRUCTION LIMITS WILL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES IN CONSTRUCTION LIMITS.
2. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION OPERATIONS WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION LIMITS.
3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
4. TEMPORARY EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND CONTRACT SPECIAL PROVISIONS.
5. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES.
6. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN HIGHWAY STANDARD 280001.
7. THE EROSION CONTROL MEASURES SHOWN ARE A REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. TEMPORARY STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND WILL REQUIRE PERIMETER EROSION BARRIER AND TEMPORARY SEEDING WHICH ARE INCLUDED IN THE COST OF DIRECTIONAL BORE.
9. THE CONTRACTOR SHALL INSTALL AND MAINTAIN INLET AND PIPE PROTECTION AT ALL LOCATIONS SHOWN IN PLANS PRIOR TO THE START OF WORK. THE INLET AND PIPE PROTECTION SHALL BE MAINTAINED UNTIL NO LONGER REQUIRED OR AS DIRECTED BY THE ENGINEER.
10. DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
11. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF INLET AND PIPE PROTECTION.
12. FOR PERMANENT EROSION CONTROL, THE CONTRACTOR SHALL PLACE TOPSOIL SO THAT IS HAS A BOND WITH THE EXISTING SURFACE TO WHICH IT IS APPLIED. IT SHALL BE DISKED, RAKED, OR OTHERWISE BROKEN UP IF NECESSARY TO PROVIDE SUCH BOND.

LIGHT TOWER FOUNDATION ZONE OF INFLUENCE DETAIL



C:\B-B-Civil\Drawings\18172816.dgn

JACOBS

USER NAME: maloney	DESIGNED: SJM	REVISED:
DRAWN: SJM	REVISED:	
PLOT SCALE: 100.0000' / in	CHECKED: WJB	REVISED:
PLOT DATE: 18/17/2016	DATE: 08/04/16	REVISED: 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
GENERAL NOTES

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L		84	9
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

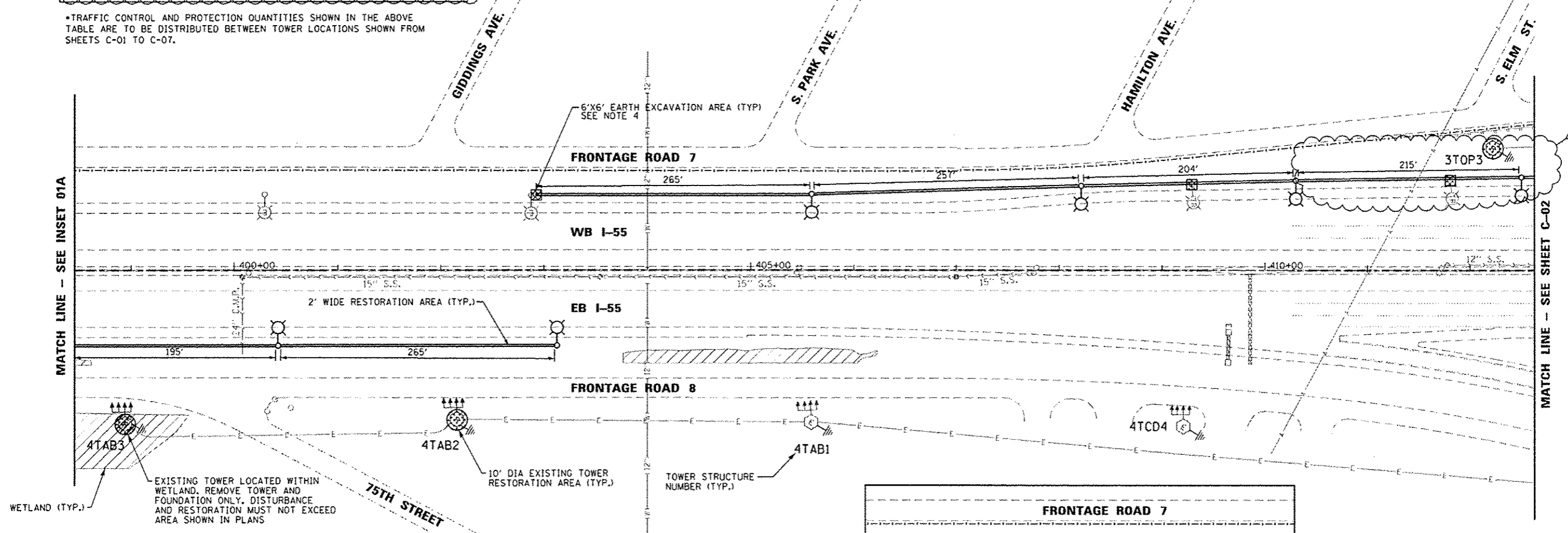
C-00

PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.09
EROSION CONTROL BLANKET	SQ YD	436
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	436
EARTH EXCAVATION	CU YD	8
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.60
TRAFFIC CONTROL AND PROTECTION, SPECIAL	LSUM	0.90

*TRAFFIC CONTROL AND PROTECTION QUANTITIES SHOWN IN THE ABOVE TABLE ARE TO BE DISTRIBUTED BETWEEN TOWER LOCATIONS SHOWN FROM SHEETS C-01 TO C-07.

LEGEND

	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA		PROPOSED LIGHT TOWER
	10' DIA. EXISTING TOWER RESTORATION AREA		REMOVED LIGHT TOWER
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)		EXISTING LIGHT TOWER TO REMAIN
	UNIT DUCT DIRECT BORE		TEMPORARY LIGHTING UNIT
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)		EXISTING LIGHTING UNIT
	EXISTING UNIT DUCT		PROPOSED LIGHTING UNIT
	6'x6' EARTH EXCAVATION AREA		

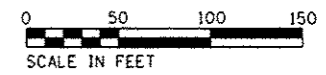
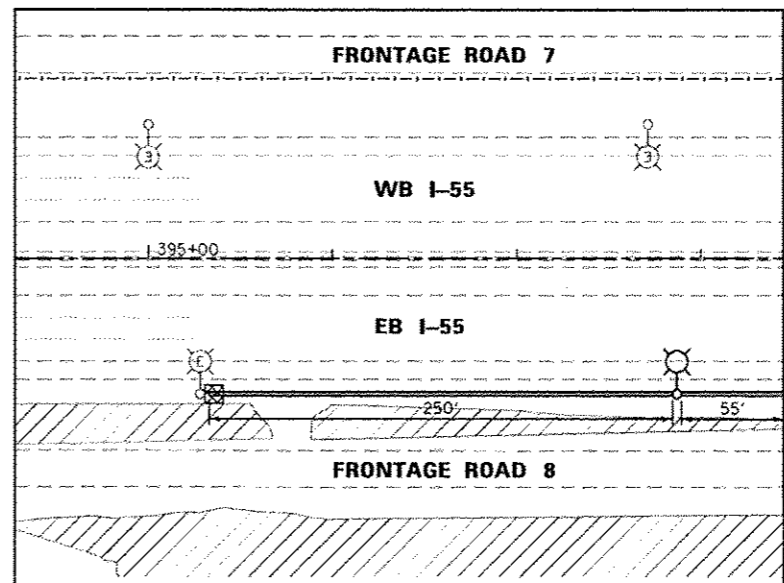


WETLAND (TYP.)
 EXISTING TOWER LOCATED WITHIN WETLAND. REMOVE TOWER AND FOUNDATION ONLY. DISTURBANCE AND RESTORATION MUST NOT EXCEED AREA SHOWN IN PLANS

ROADWAY FACILITY	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)
FRONTAGE RD 7	40	3800	16
I-55	60	157600	44

NOTES:

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
- CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
- AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
- WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING LIGHTING UNIT, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.



C-01 - 1556 County.mxd

JACOBS	USER NAME = maloney	DESIGNED - SJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CIVIL SITE PLAN I-55 / S. COUNTY LINE ROAD - SHEET 1 OF 7			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / 1" =	DRAWN - SJM	REVISED -		VAR.	2015-039L	COOK	84	10			
	PLOT DATE = 10/17/2016	CHECKED - WJB	REVISED -		SCALE: 1"=50'			SHEET OF SHEETS STA. 398+45 TO STA. 412+62			CONTRACT NO. 62A98	

C-01

NOTES:

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
- CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
- AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
- WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.
- THE CONTRACTOR SHALL TAKE NECESSARY MEASURE TO AVOID DAMAGING SPECIALIZED LANDSCAPING AND TREES ALONG THE EMBANKMENTS AT I-55 AND COUNTY LINE ROAD. ANY DAMAGE CAUSED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION AND WILL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR WILL BE REQUIRED TO INSTALL TEMPORARY FENCE AS TREE PROTECTION AROUND INDIVIDUAL TREES ADJACENT TO WORK AREAS AND AVOID DAMAGE TO TREES WHILE PERFORMING WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING TREES THAT ARE DAMAGED DURING CONSTRUCTION WITH NO ADDITIONAL PAYMENT PROVIDED. THE EXACT LOCATION OF TREE PROTECTION WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

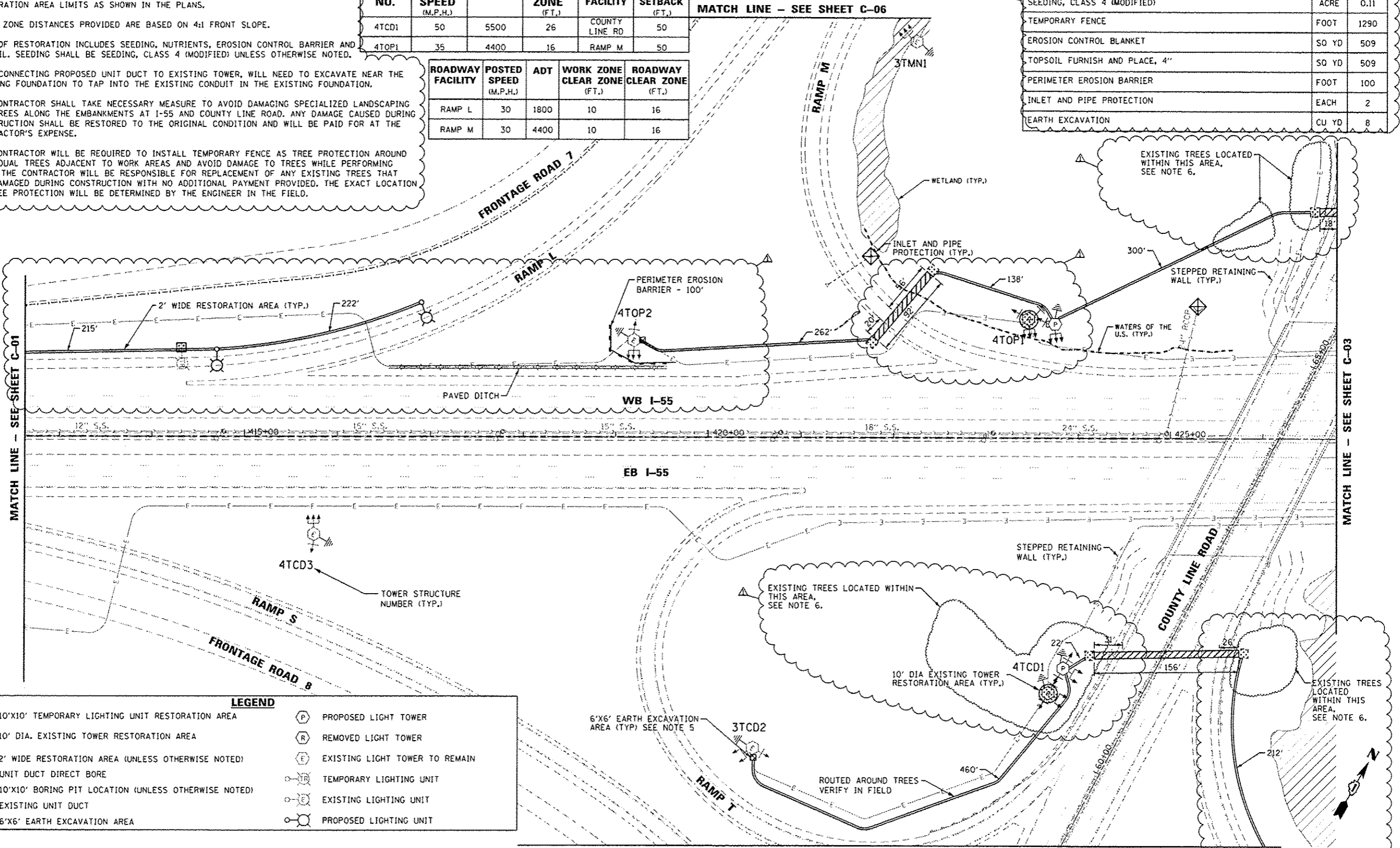
TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
4TCD1	50	5500	26	COUNTY LINE RD	50
4TOP1	35	4400	16	RAMP M	50

ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
RAMP L	30	1800	10	16
RAMP M	30	4400	10	16

PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.11
TEMPORARY FENCE	FOOT	1290
EROSION CONTROL BLANKET	50 YD	509
TOPSOIL FURNISH AND PLACE, 4"	50 YD	509
PERIMETER EROSION BARRIER	FOOT	100
INLET AND PIPE PROTECTION	EACH	2
EARTH EXCAVATION	CU YD	8

MATCH LINE - SEE SHEET C-01

MATCH LINE - SEE SHEET C-03



LEGEND

	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA		PROPOSED LIGHT TOWER
	10' DIA. EXISTING TOWER RESTORATION AREA		REMOVED LIGHT TOWER
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)		EXISTING LIGHT TOWER TO REMAIN
	UNIT DUCT DIRECT BORE		TEMPORARY LIGHTING UNIT
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)		EXISTING LIGHTING UNIT
	EXISTING UNIT DUCT		PROPOSED LIGHTING UNIT
	6'x6' EARTH EXCAVATION AREA		

MATCH LINE - SEE SHEET C-04



C-02



USER NAME: melanosj	DESIGNED: SJM	REVISED:
PLLOT SCALE: 1/8"=1'-0"	DRAWN: SJM	REVISED:
PLLOT DATE: 10/17/2016	CHECKED: WJB	REVISED:
	DATE: 08/04/16	REVISED: 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
I-55 / S. COUNTY LINE ROAD - SHEET 2 OF 7

SCALE: 1"=50' SHEET OF SHEETS STA. 412+65 TO STA. 426+80

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L	COOK	B4	11
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

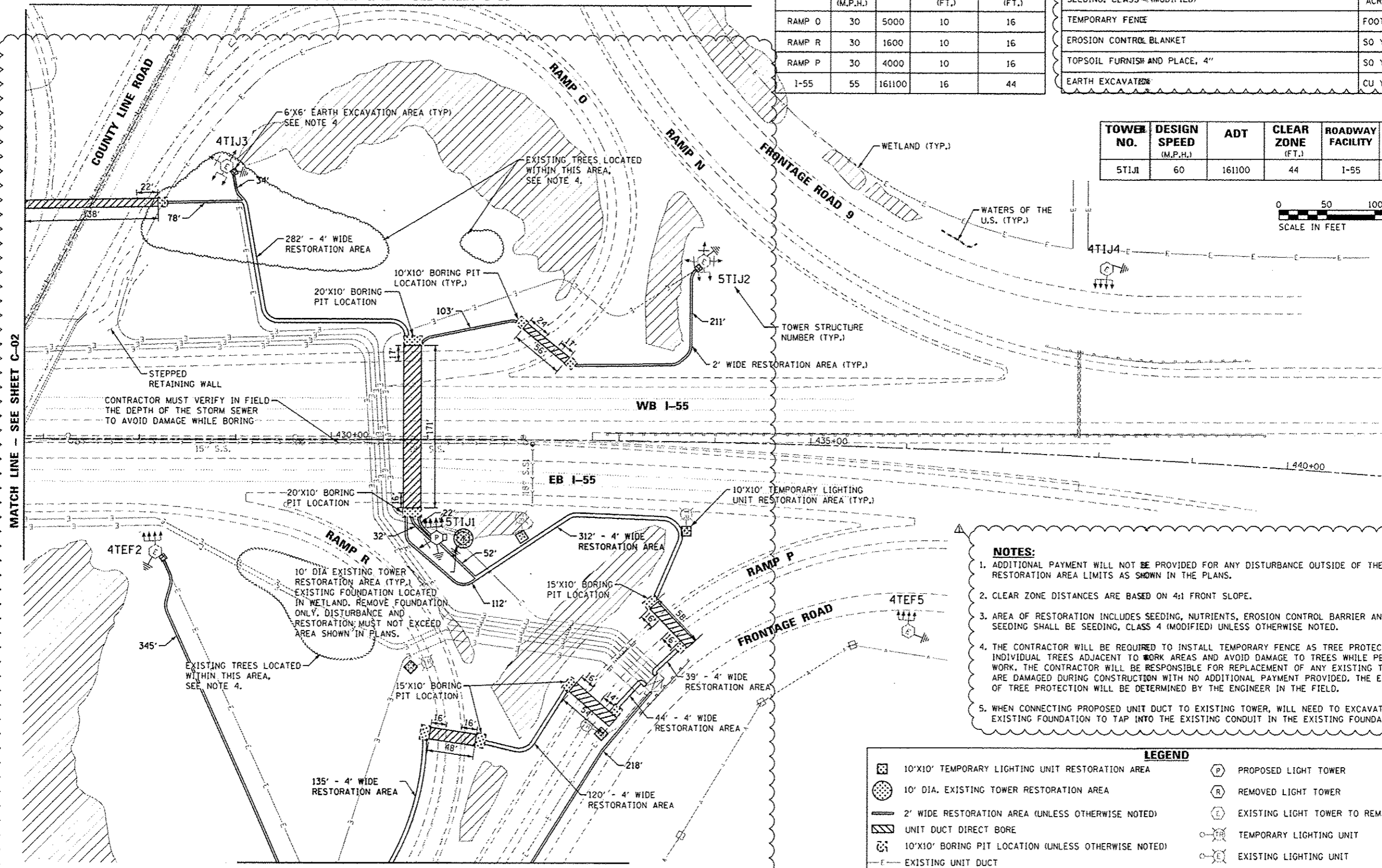
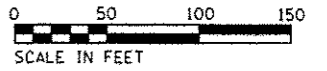
C-02 - 15580 County Line Rd.dwg

MATCH LINE - SEE SHEET C-06

ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
RAMP O	30	5000	10	16
RAMP R	30	1600	10	16
RAMP P	30	4000	10	16
I-55	55	161100	16	44

PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.19
TEMPORARY FENCE	FOOT	1000
EROSION CONTROL BLANKET	50 YD	914
TOPSOIL FURNISH AND PLACE, 4"	50 YD	914
EARTH EXCAVATED	CU YD	12

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
5TIJ1	60	161100	44	I-55	50



- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR WILL BE REQUIRED TO INSTALL TEMPORARY FENCE AS TREE PROTECTION AROUND INDIVIDUAL TREES ADJACENT TO WORK AREAS AND AVOID DAMAGE TO TREES WHILE PERFORMING WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING TREES THAT ARE DAMAGED DURING CONSTRUCTION WITH NO ADDITIONAL PAYMENT PROVIDED. THE EXACT LOCATION OF TREE PROTECTION WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
 - WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.

LEGEND

	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA		PROPOSED LIGHT TOWER
	10' DIA. EXISTING TOWER RESTORATION AREA		REMOVED LIGHT TOWER
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)		EXISTING LIGHT TOWER TO REMAIN
	UNIT DUCT DIRECT BORE		TEMPORARY LIGHTING UNIT
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)		EXISTING LIGHTING UNIT
	EXISTING UNIT DUCT		PROPOSED LIGHTING UNIT
	6'x6' EARTH EXCAVATION AREA		

MATCH LINE - SEE SHEET C-02

MATCH LINE - SEE SHEET C-04



USER NAME = melanesj	DESIGNED - SJM	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - SJM	REVISED -
PLOT DATE = 10/17/2016	CHECKED - WJB	REVISED -
	DATE = 08/04/16	REVISED = 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
I-55 / S. COUNTY LINE ROAD - SHEET 3 OF 7

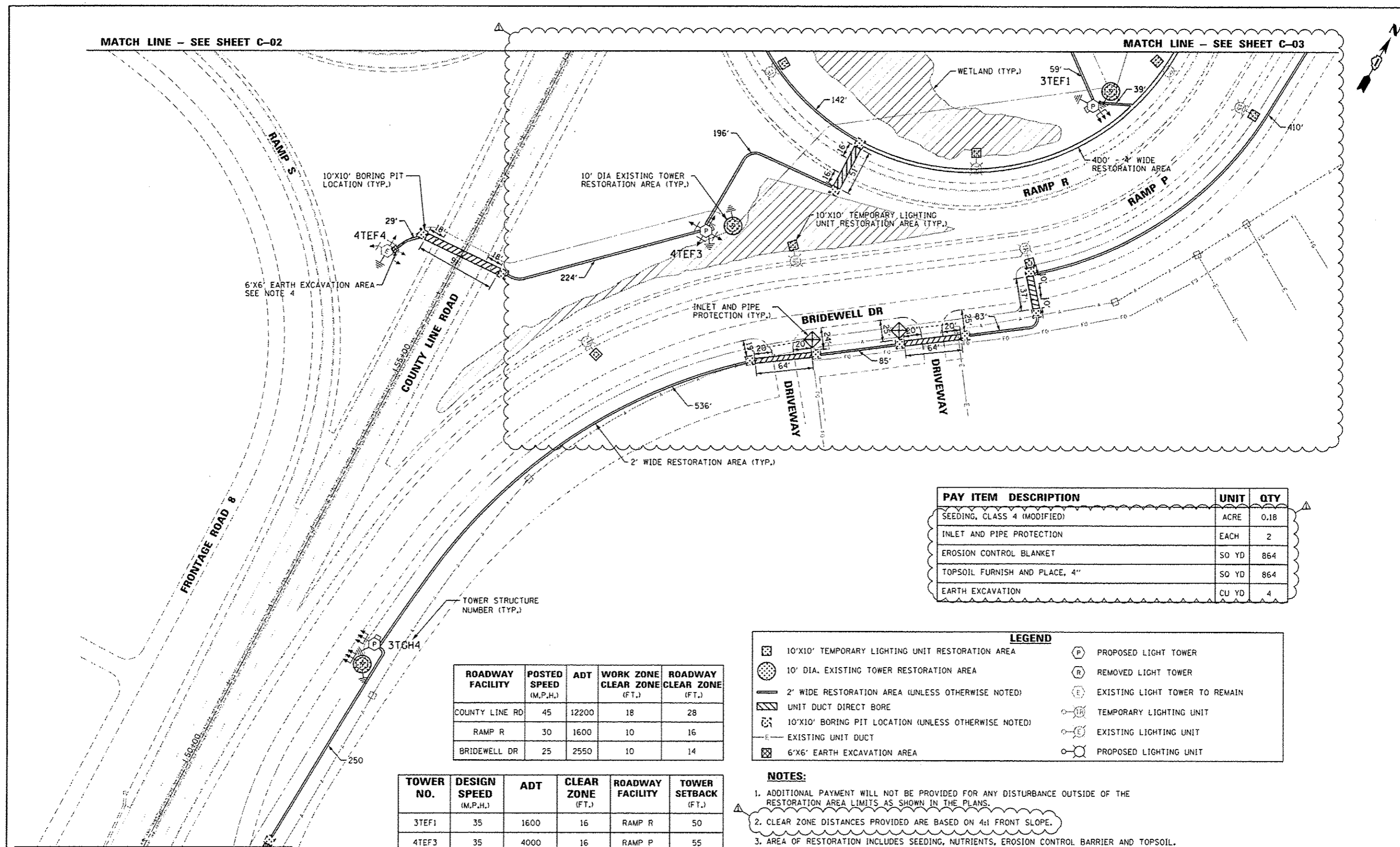
SCALE: 1"=50' SHEET OF SHEETS STA. 426+80 TO STA. 440+98

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	12
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

C-03

MATCH LINE - SEE SHEET C-02

MATCH LINE - SEE SHEET C-03



PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.18
INLET AND PIPE PROTECTION	EACH	2
EROSION CONTROL BLANKET	SQ YD	864
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	864
EARTH EXCAVATION	CU YD	4

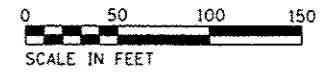
ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
COUNTY LINE RD	45	12200	18	28
RAMP R	30	1600	10	16
BRIDEWELL DR	25	2550	10	14

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
3TEF1	35	1600	16	RAMP R	50
4TEF3	35	4000	16	RAMP P	55
3TGH4	30	2550	14	BRIDEWELL DR	21

LEGEND

	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA		PROPOSED LIGHT TOWER
	10' DIA. EXISTING TOWER RESTORATION AREA		REMOVED LIGHT TOWER
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)		EXISTING LIGHT TOWER TO REMAIN
	UNIT DUCT DIRECT BORE		TEMPORARY LIGHTING UNIT
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)		EXISTING LIGHTING UNIT
	EXISTING UNIT DUCT		PROPOSED LIGHTING UNIT
	6'x6' EARTH EXCAVATION AREA		

- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL.
 - WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.



MATCH LINE - SEE SHEET C-05

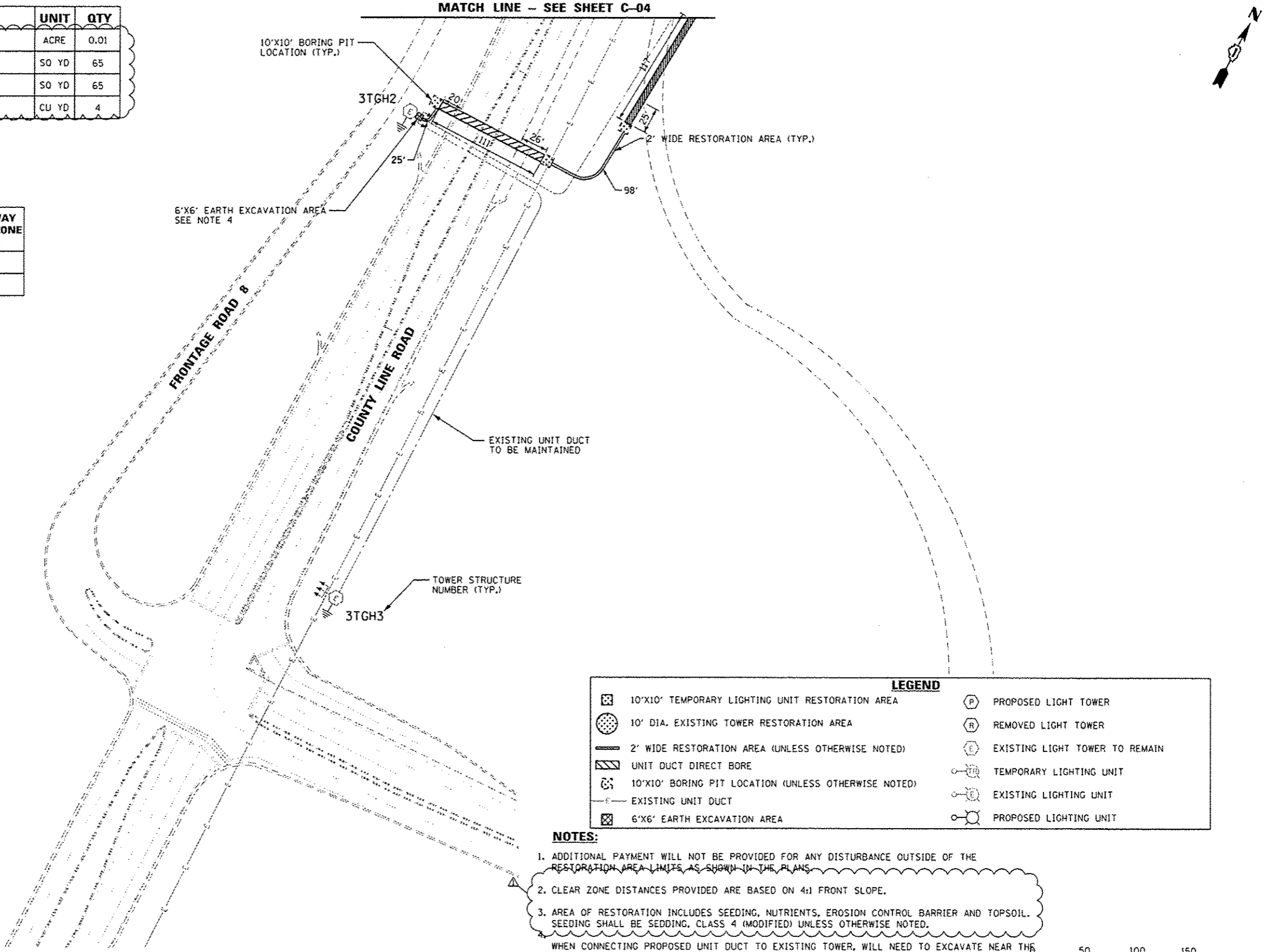
C-04

JACOBS	USER NAME : melanosj	DESIGNED - SJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CIVIL SITE PLAN I-55 / S. COUNTY LINE ROAD - SHEET 4 OF 7		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLLOT SCALE : 1/8"=1'-0"	DRAWN - SJM	REVISED -		VAR.	2015-039L	COOK	84	13		
	PLLOT DATE : 10/17/2016	CHECKED - WJB	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. 48+93 TO STA. 59+11			CONTRACT NO. 62A98			
		DATE - 08/04/16	REVISED - 09/23/16 SM		ILLINOIS FED. AID PROJECT						

C-04 - I55 County Line Rd.dgn

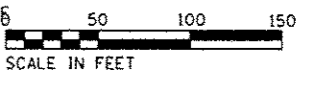
PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.01
EROSION CONTROL BLANKET	50 YD	65
TOPSOIL FURNISH AND PLACE, 4"	50 YD	65
EARTH EXCAVATION	CU YD	4

ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
COUNTY LINE RD	45	12200	18	28
BRIDEWELL DR	25	2550	10	14



LEGEND	
	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA
	10' DIA. EXISTING TOWER RESTORATION AREA
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
	UNIT DUCT DIRECT BORE
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)
	EXISTING UNIT DUCT
	6'x6' EARTH EXCAVATION AREA
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	TEMPORARY LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PROPOSED LIGHTING UNIT

- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
- WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.



C-05-1556 County Line Rd.dgn

JACOBS	USER NAME - melanesj	DESIGNED - SJM	REVISED -
		DRAWN - SJM	REVISED -
	PLOT SCALE - 100.0000' / 1" = 100'	CHECKED - WJB	REVISED -
	PLOT DATE - 10/17/2016	DATE - 08/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN			
I-55 / S. COUNTY LINE ROAD - SHEET 5 OF 7			
SCALE: 1"=50'	SHEET OF SHEETS	STA. 38+75 TO STA. 48+93	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L	COOK	84	14
CONTRACT NO. 62A98			ILLINOIS FEO. AID PROJECT	

C-05

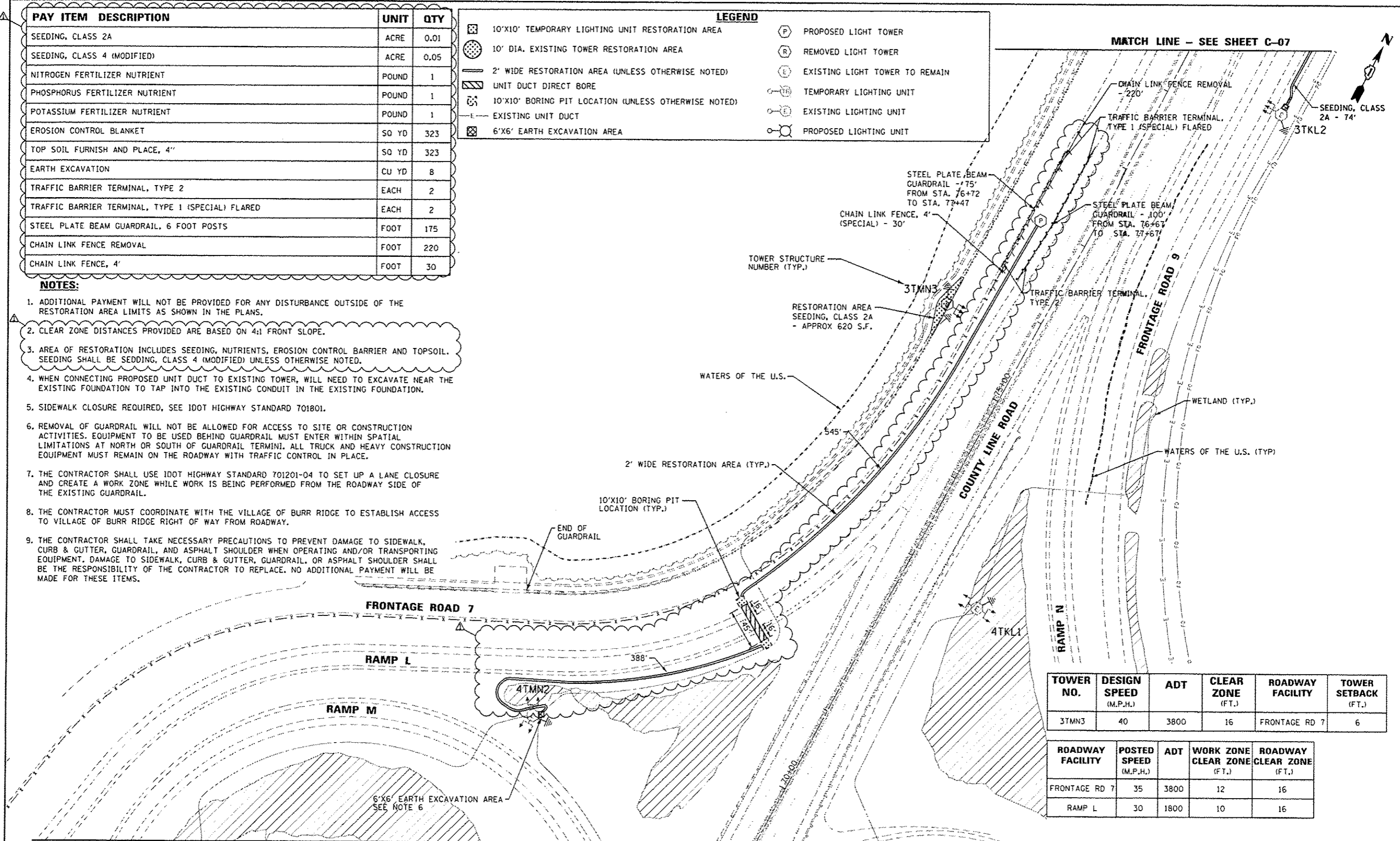
PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 2A	ACRE	0.01
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.05
NITROGEN FERTILIZER NUTRIENT	POUND	1
PHOSPHORUS FERTILIZER NUTRIENT	POUND	1
POTASSIUM FERTILIZER NUTRIENT	POUND	1
EROSION CONTROL BLANKET	50 YD	323
TOP SOIL FURNISH AND PLACE, 4"	50 YD	323
EARTH EXCAVATION	CU YD	8
TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2
STEEL PLATE BEAM GUARDRAIL, 6 FOOT POSTS	FOOT	175
CHAIN LINK FENCE REMOVAL	FOOT	220
CHAIN LINK FENCE, 4'	FOOT	30

NOTES:

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
- CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
- AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
- WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.
- SIDEWALK CLOSURE REQUIRED, SEE IDOT HIGHWAY STANDARD 701801.
- REMOVAL OF GUARDRAIL WILL NOT BE ALLOWED FOR ACCESS TO SITE OR CONSTRUCTION ACTIVITIES. EQUIPMENT TO BE USED BEHIND GUARDRAIL MUST ENTER WITHIN SPATIAL LIMITATIONS AT NORTH OR SOUTH OF GUARDRAIL TERMINI. ALL TRUCK AND HEAVY CONSTRUCTION EQUIPMENT MUST REMAIN ON THE ROADWAY WITH TRAFFIC CONTROL IN PLACE.
- THE CONTRACTOR SHALL USE IDOT HIGHWAY STANDARD 701201-04 TO SET UP A LANE CLOSURE AND CREATE A WORK ZONE WHILE WORK IS BEING PERFORMED FROM THE ROADWAY SIDE OF THE EXISTING GUARDRAIL.
- THE CONTRACTOR MUST COORDINATE WITH THE VILLAGE OF BURR RIDGE TO ESTABLISH ACCESS TO VILLAGE OF BURR RIDGE RIGHT OF WAY FROM ROADWAY.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO SIDEWALK, CURB & GUTTER, GUARDRAIL, AND ASPHALT SHOULDER WHEN OPERATING AND/OR TRANSPORTING EQUIPMENT. DAMAGE TO SIDEWALK, CURB & GUTTER, GUARDRAIL, OR ASPHALT SHOULDER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE. NO ADDITIONAL PAYMENT WILL BE MADE FOR THESE ITEMS.

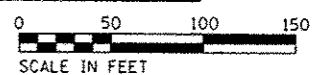
LEGEND

	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA		PROPOSED LIGHT TOWER
	10' DIA. EXISTING TOWER RESTORATION AREA		REMOVED LIGHT TOWER
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)		EXISTING LIGHT TOWER TO REMAIN
	UNIT DUCT DIRECT BORE		TEMPORARY LIGHTING UNIT
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)		EXISTING LIGHTING UNIT
	EXISTING UNIT DUCT		PROPOSED LIGHTING UNIT
	6'x6' EARTH EXCAVATION AREA		



TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
3TMN3	40	3800	16	FRONTAGE RD 7	6

ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
FRONTAGE RD 7	35	3800	12	16
RAMP L	30	1800	10	16



USER NAME = mjoinesj	DESIGNED - SJM	REVISED -
PLLOT SCALE = 1/8"=1'-0"	DRAWN - SJM	REVISED -
PLLOT DATE = 10/17/2016	CHECKED - WJB	REVISED -
	DATE - 09/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
I-55 / S. COUNTY LINE ROAD - SHEET 6 OF 7

SCALE: 1"=50' SHEET OF SHEETS STA. 69+30 TO STA. 79+52

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L	COOK	84	15
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

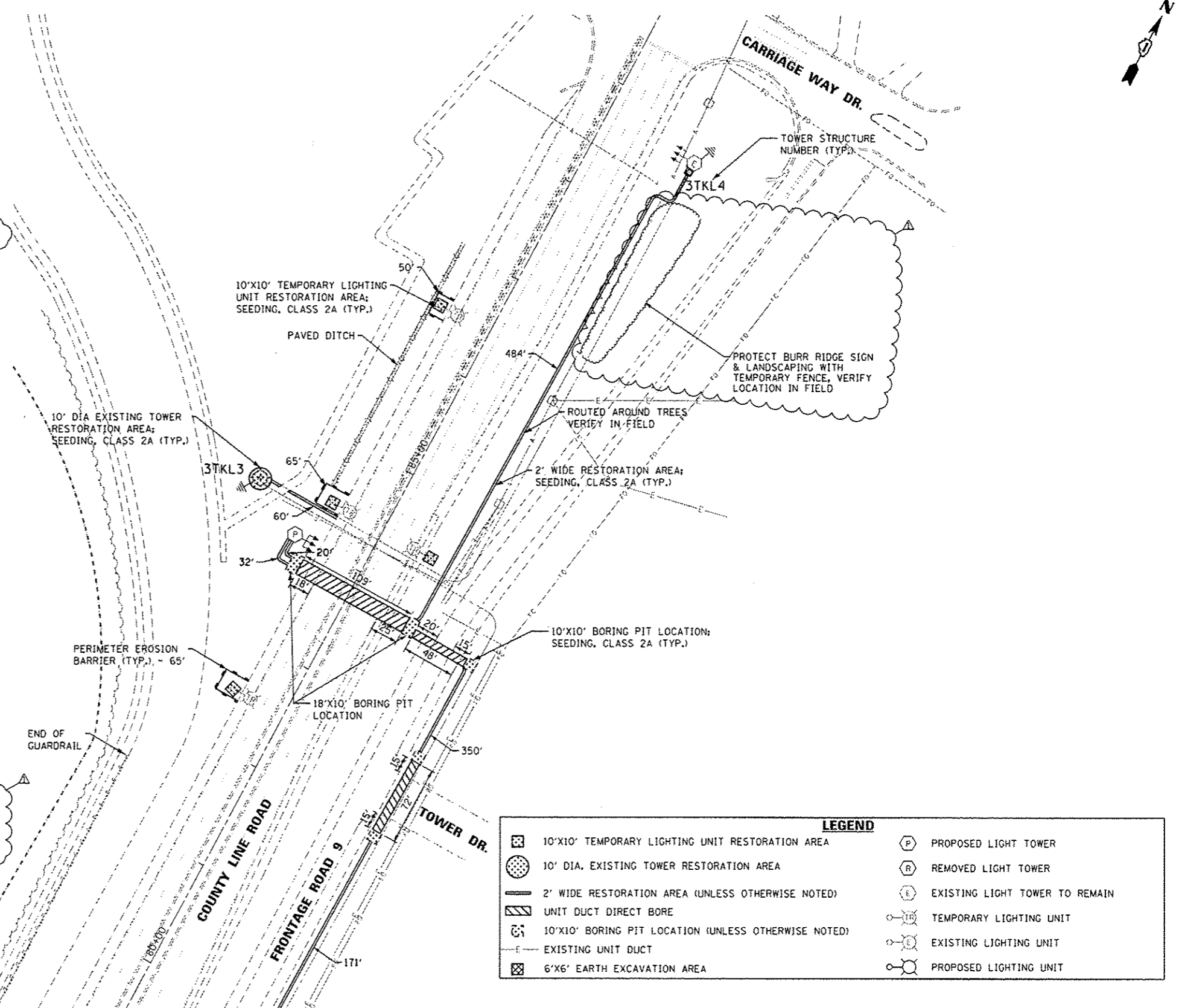
C-06

PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 2A	ACRE	0.08
NITROGEN FERTILIZER NUTRIENT	POUND	7
PHOSPHORUS FERTILIZER NUTRIENT	POUND	7
POTASSIUM FERTILIZER NUTRIENT	POUND	7
EROSION CONTROL BLANKET	50 YD	375
TOPSOIL FURNISH AND PLACE, 4"	50 YD	375
PERIMETER EROSION BARRIER	FOOT	180
EARTH EXCAVATION	CU YD	4
TEMPORARY FENCE	FOOT	400

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
3TKL3	50	19800	28	COUNTY LINE RD	33

ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
COUNTY LINE RD	45	19800	18	28
FRONTAGE RD 9	35	*1500-6000	12	16
TOWER DR	30	*1500-6000	10	16

*ASSUMED RANGE - ADT UNAVAILABLE

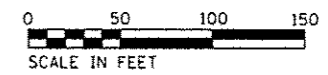


NOTES:

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
- CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
- AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL.
- ALL SEEDING ON SHEET C-07 SHALL BE SEEDING, CLASS 2A.
- SIDEWALK CLOSURE REQUIRED, SEE IDOT HIGHWAY STANDARD 701801.
- WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.

LEGEND	
	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA
	10' DIA. EXISTING TOWER RESTORATION AREA
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
	UNIT DUCT DIRECT BORE
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)
	EXISTING UNIT DUCT
	6'x6' EARTH EXCAVATION AREA
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	TEMPORARY LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PROPOSED LIGHTING UNIT

MATCH LINE - SEE SHEET C-06



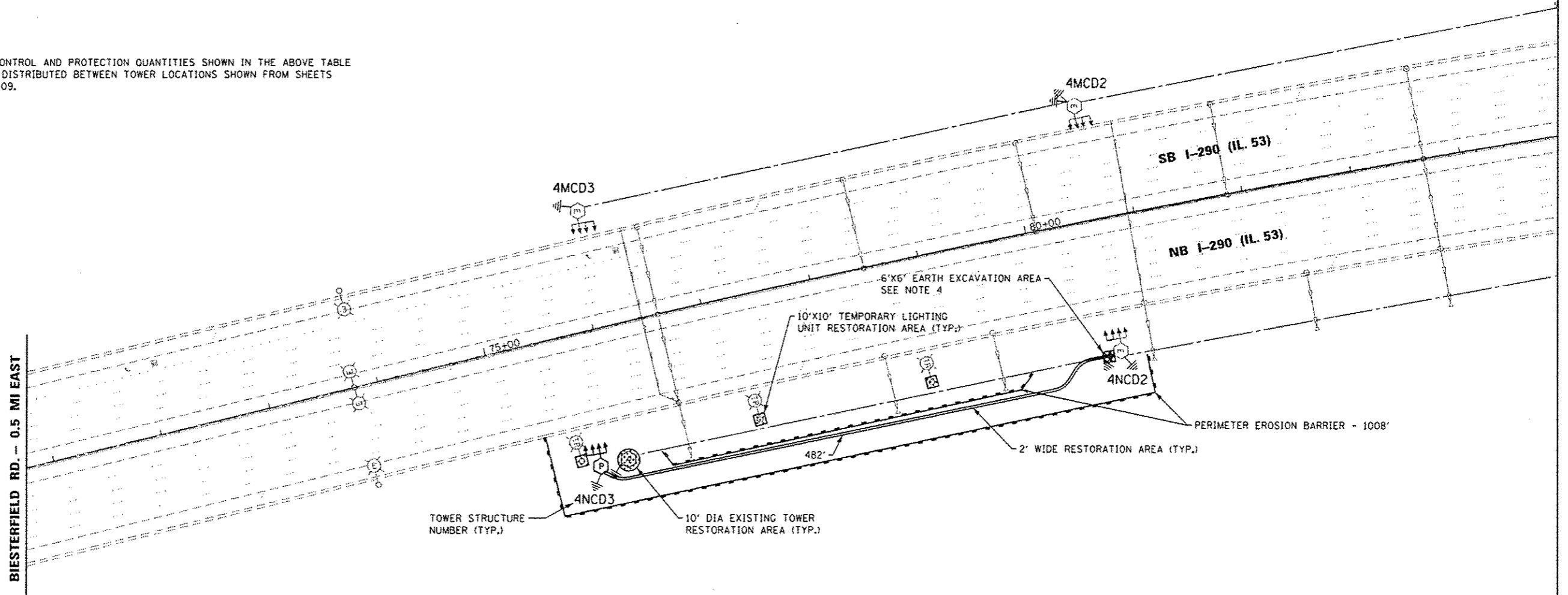
C-07-15586-con-101.mxd.dgn

PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.03
EROSION CONTROL BLANKET	SO YD	149
TOPSOIL FURNISH AND PLACE, 4"	SO YD	149
PERIMETER EROSION BARRIER	FOOT	1008
EARTH EXCAVATION	CU YD	4
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.10

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
4NCD3	65	185200	46	I-290	51



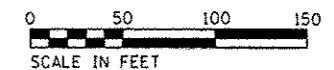
*TRAFFIC CONTROL AND PROTECTION QUANTITIES SHOWN IN THE ABOVE TABLE ARE TO BE DISTRIBUTED BETWEEN TOWER LOCATIONS SHOWN FROM SHEETS C-08 TO C-09.



LEGEND	
	10'X10' TEMPORARY LIGHTING UNIT RESTORATION AREA
	10' DIA. EXISTING TOWER RESTORATION AREA
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
	UNIT DUCT DIRECT BORE
	10'X10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)
	EXISTING UNIT DUCT
	6'X6' EARTH EXCAVATION AREA
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	TEMPORARY LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PROPOSED LIGHTING UNIT

NOTES:

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
- WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.



C-08

JACOBS

USER NAME - melonesj	DESIGNED - SJM	REVISED -
	DRAWN - SJM	REVISED -
PLOT SCALE - 1/8"=50'	CHECKED - WJB	REVISED -
PLOT DATE - 10/17/2016	DATE - 08/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
I-290 / IL 53 SOUTH OF IL 72 - SHEET 1 OF 2

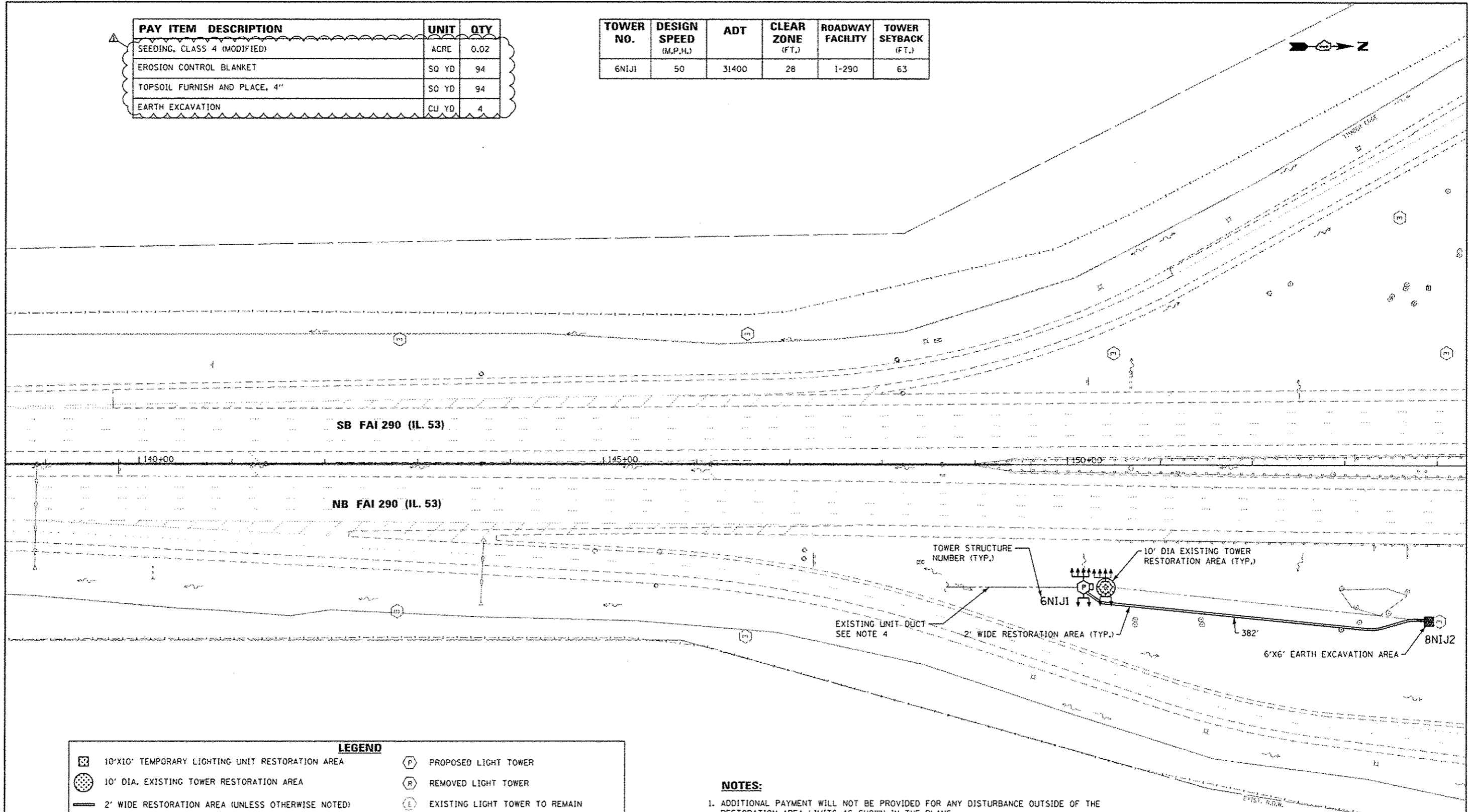
SCALE: 1"=50' SHEET OF SHEETS STA. 73+88 TO STA. 88+95

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L	COOK	84	17
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

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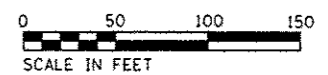
PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.02
EROSION CONTROL BLANKET	SO YD	94
TOPSOIL FURNISH AND PLACE, 4"	SO YD	94
EARTH EXCAVATION	CU YD	4

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
6NIJ1	50	31400	28	1-290	63



LEGEND	
	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA
	10' DIA. EXISTING TOWER RESTORATION AREA
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
	UNIT DUCT DIRECT BORE
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)
	EXISTING UNIT DUCT
	6'x6' EARTH EXCAVATION AREA
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	TEMPORARY LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PROPOSED LIGHTING UNIT

- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
 - USE EXISTING UNIT DUCT COMING FROM LIGHTING CONTROLLER TO FEED THE PROPOSED LIGHT TOWER. PROPOSED TOWER SHOULD BE PLACED NEAR THE EXISTING UNIT DUCT PATH WHICH COMES FROM THE SOUTH OR SOUTHEAST OF EXISTING TOWER. EXCAVATE THE AREA AND OBTAIN IDOT EMC LOCATE TO FIND UNIT DUCT PATH.



USER NAME: melanesj	DESIGNED - SJM	REVISED -
PLLOT SCALE: 1/8" = 100.0000'	DRAWN - SJM	REVISED -
PLLOT DATE: 10/17/2016	CHECKED - WJB	REVISED -
	DATE - 08/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
I-290 / IL 53 SOUTH OF IL 72 - SHEET 2 OF 2
SCALE: 1"=50' SHEET OF SHEETS STA. 138+86 TO STA. 154+61

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L	COOK	84	18
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

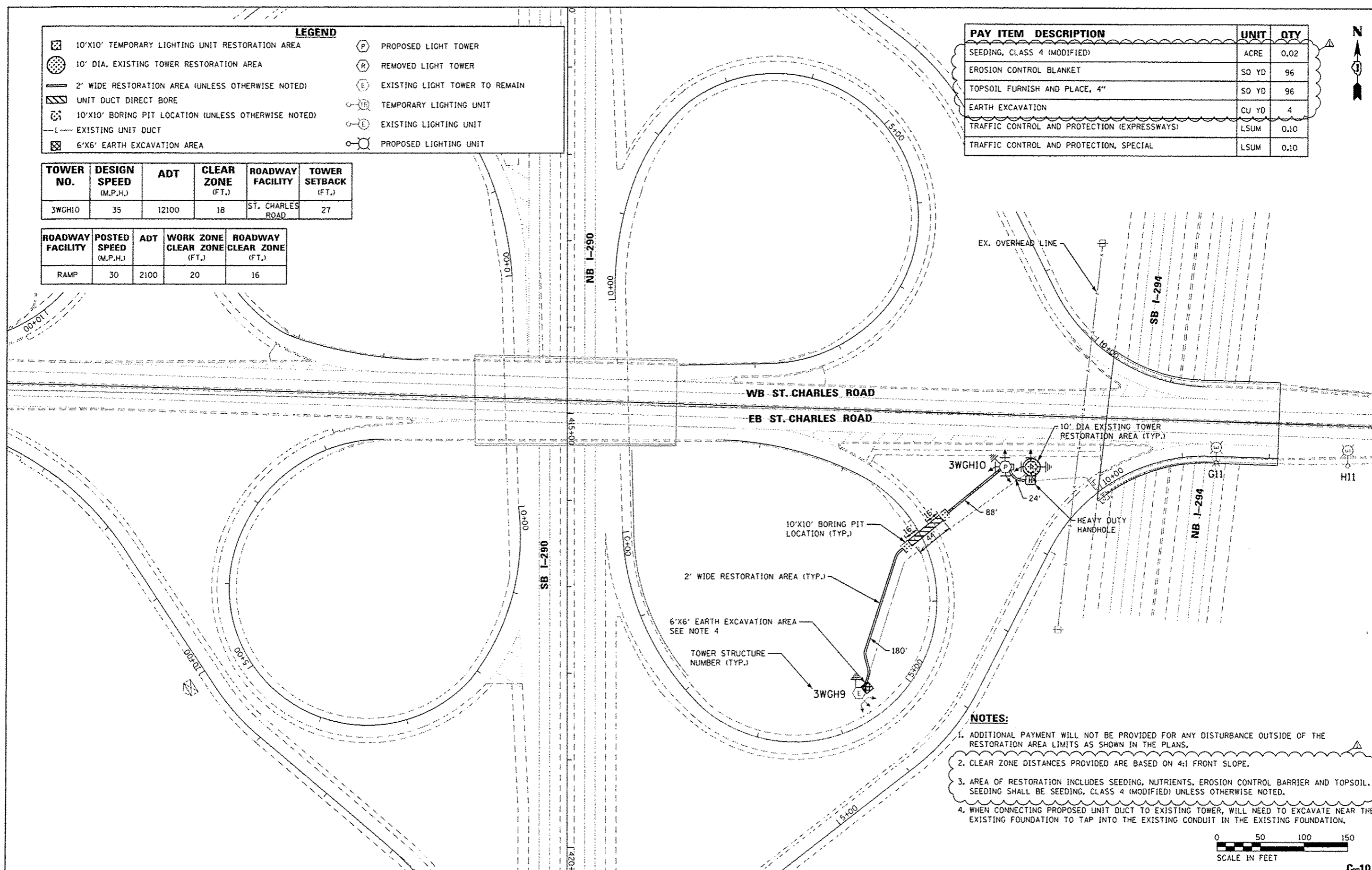
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LEGEND			
	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA		PROPOSED LIGHT TOWER
	10' DIA. EXISTING TOWER RESTORATION AREA		REMOVED LIGHT TOWER
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)		EXISTING LIGHT TOWER TO REMAIN
	UNIT DUCT DIRECT BORE		TEMPORARY LIGHTING UNIT
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)		EXISTING LIGHTING UNIT
	EXISTING UNIT DUCT		PROPOSED LIGHTING UNIT
	6'x6' EARTH EXCAVATION AREA		

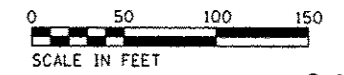
PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.02
EROSION CONTROL BLANKET	SO YD	96
TOPSOIL FURNISH AND PLACE, 4"	SO YD	96
EARTH EXCAVATION	CU YD	4
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.10
TRAFFIC CONTROL AND PROTECTION, SPECIAL	LSUM	0.10

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
3WGH10	35	12100	18	ST. CHARLES ROAD	27

ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
RAMP	30	2100	20	16



- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
 - WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING TOWER, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.



C-10



USER NAME: smalonesj	DESIGNED - SJM	REVISED -
	DRAWN - SJM	REVISED -
PLOT SCALE: 100.0000' / in.	CHECKED - WJB	REVISED -
PLOT DATE: 10/17/2016	DATE - 08/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

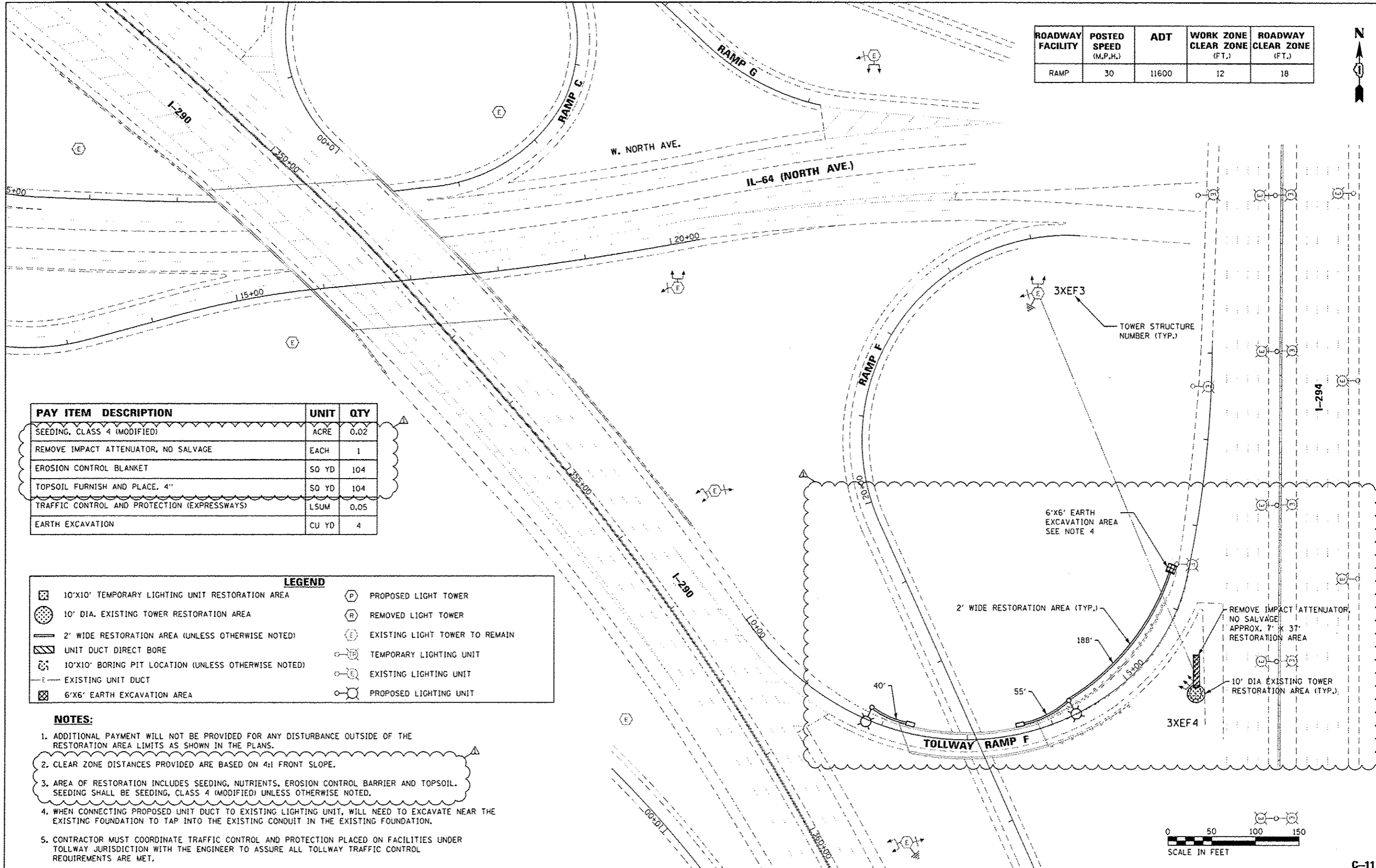
CIVIL SITE PLAN
I-290 / ST. CHARLES ROAD - SHEET 1 OF 1

SCALE: 1"=50' SHEET OF SHEETS STA. 410+30 TO STA. 420+30

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
VAR.	2015-039L	DUPAGE	84 19
CONTRACT NO. 62A98			
ILLINOIS FED. AID PROJECT			

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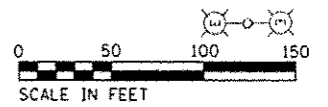
ROADWAY FACILITY	POSTED SPEED (M.P.H.)	ADT	WORK ZONE CLEAR ZONE (FT.)	ROADWAY CLEAR ZONE (FT.)
RAMP	30	11600	12	18



PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.02
REMOVE IMPACT ATTENUATOR, NO SALVAGE	EACH	1
EROSION CONTROL BLANKET	50 YD	104
TOPSOIL FURNISH AND PLACE, 4"	50 YD	104
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.05
EARTH EXCAVATION	CU YD	4

LEGEND	
	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA
	10' DIA. EXISTING TOWER RESTORATION AREA
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
	UNIT DUCT DIRECT BORE
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)
	EXISTING UNIT DUCT
	6'x6' EARTH EXCAVATION AREA
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	TEMPORARY LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PROPOSED LIGHTING UNIT

- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.
 - WHEN CONNECTING PROPOSED UNIT DUCT TO EXISTING LIGHTING UNIT, WILL NEED TO EXCAVATE NEAR THE EXISTING FOUNDATION TO TAP INTO THE EXISTING CONDUIT IN THE EXISTING FOUNDATION.
 - CONTRACTOR MUST COORDINATE TRAFFIC CONTROL AND PROTECTION PLACED ON FACILITIES UNDER TOLLWAY JURISDICTION WITH THE ENGINEER TO ASSURE ALL TOLLWAY TRAFFIC CONTROL REQUIREMENTS ARE MET.



JACOBS	USER NAME: smolonesj	DESIGNED - SJM	REVISED -
	PLOT SCALE: 1/8" = 100'	DRAWN - SJM	REVISED -
	PLOT DATE: 10/17/2016	CHECKED - WJB	REVISED -
		DATE - 08/04/16	REVISED - 09/29/16 SM

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CIVIL SITE PLAN
1-290 / IL-64 (NORTH AVE.) SHEET 1 OF 1**

SCALE: 1"=50' SHEET OF SHEETS STA. 347+45 TO STA. 360+54

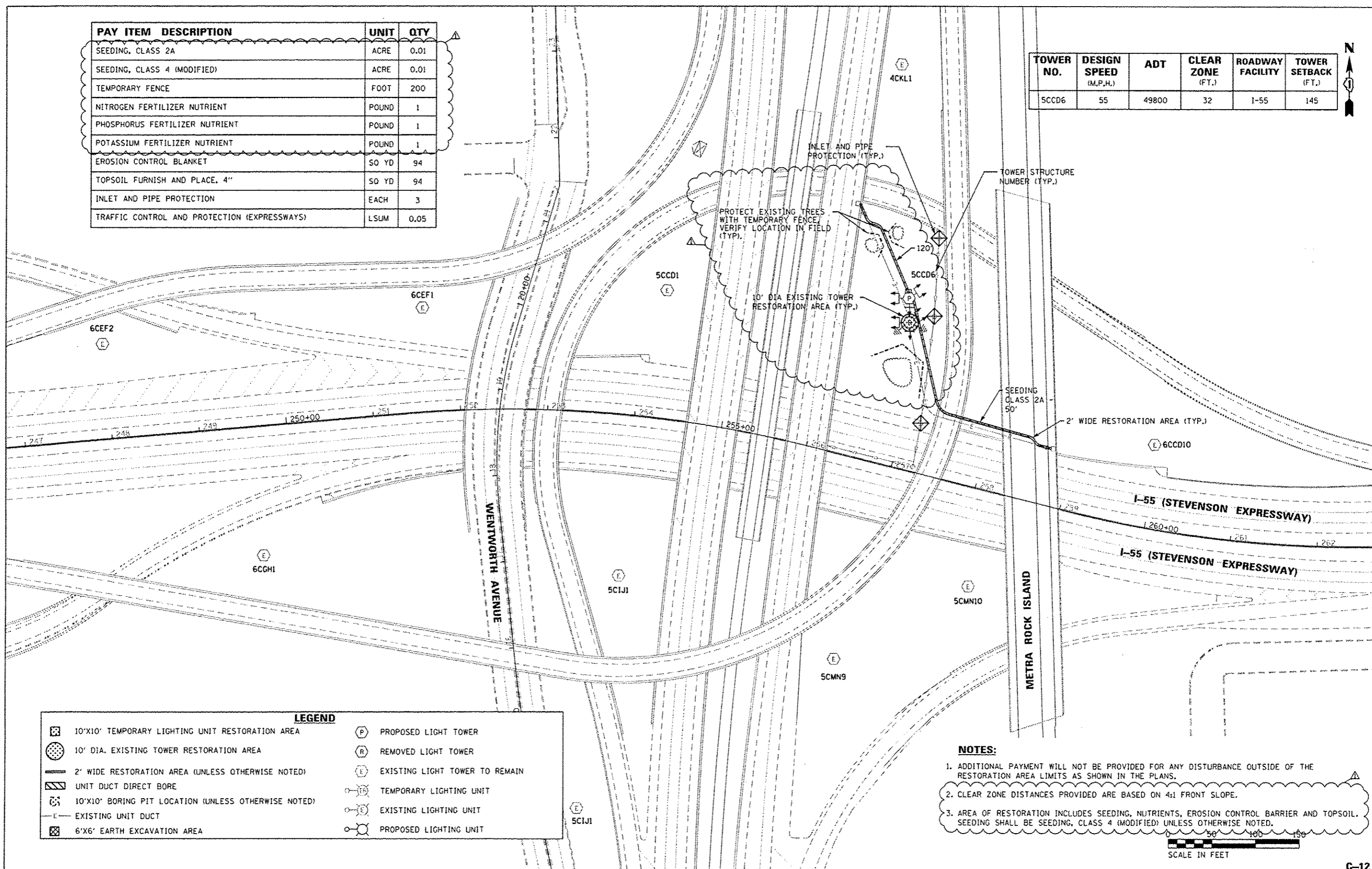
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L	DUPAGE	84	20
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

C-11-1258011-04.dgn

C-11

PAY ITEM DESCRIPTION	UNIT	QTY
SEEDING, CLASS 2A	ACRE	0.01
SEEDING, CLASS 4 (MODIFIED)	ACRE	0.01
TEMPORARY FENCE	FOOT	200
NITROGEN FERTILIZER NUTRIENT	POUND	1
PHOSPHORUS FERTILIZER NUTRIENT	POUND	1
POTASSIUM FERTILIZER NUTRIENT	POUND	1
EROSION CONTROL BLANKET	SQ YD	94
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	94
INLET AND PIPE PROTECTION	EACH	3
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSJM	0.05

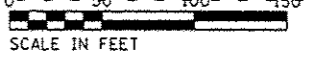
TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
5CCD6	55	49800	32	I-55	145



LEGEND	
	10'x10' TEMPORARY LIGHTING UNIT RESTORATION AREA
	10' DIA. EXISTING TOWER RESTORATION AREA
	2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
	UNIT DUCT DIRECT BORE
	10'x10' BORING PIT LOCATION (UNLESS OTHERWISE NOTED)
	EXISTING UNIT DUCT
	6'x6' EARTH EXCAVATION AREA
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	TEMPORARY LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PROPOSED LIGHTING UNIT

NOTES:

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
- CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
- AREA OF RESTORATION INCLUDES SEEDING, NUTRIENTS, EROSION CONTROL BARRIER AND TOPSOIL. SEEDING SHALL BE SEEDING, CLASS 4 (MODIFIED) UNLESS OTHERWISE NOTED.



USER NAME = molonesj	DESIGNED - SJM	REVISED -
	DRAWN - SJM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - WJB	REVISED -
PLOT DATE = 10/17/2016	DATE - 08/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

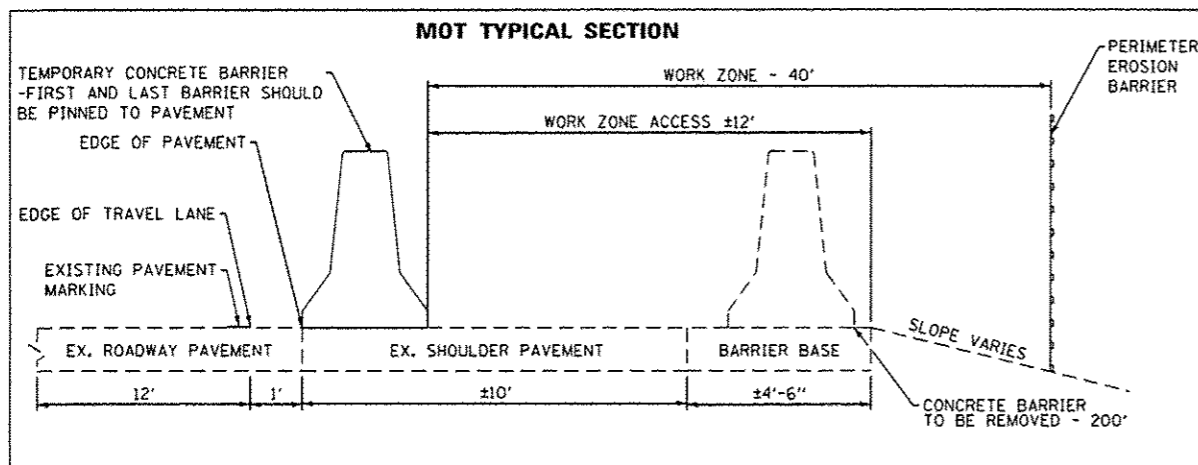
CIVIL SITE PLAN
I-55 / WENTWORTH AVE. - SHEET 1 OF 1

SCALE: 1"=50' SHEET OF SHEETS STA. 256+10 TO STA. 258+77

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	21
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

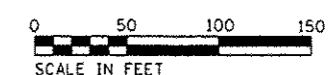
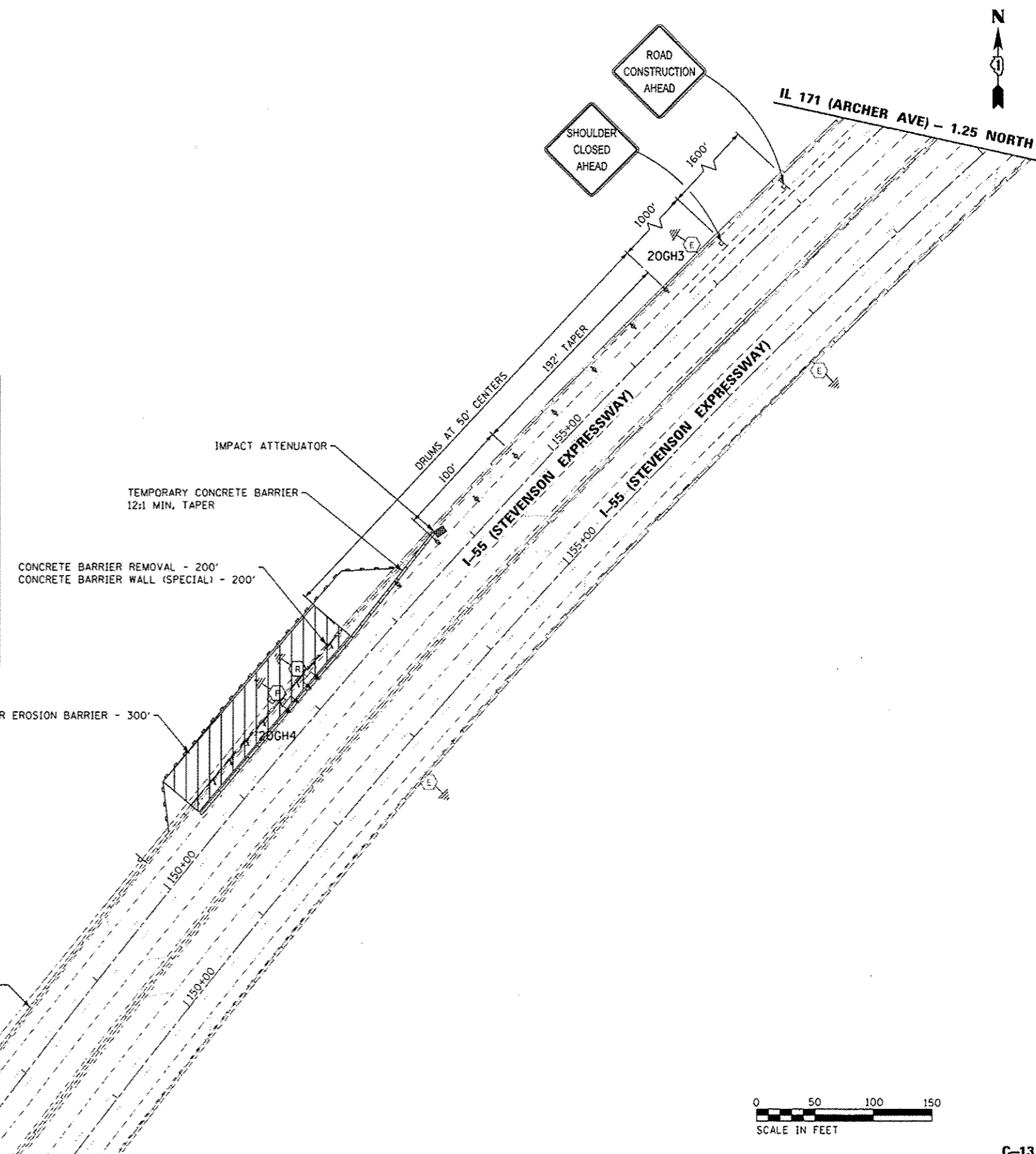
PAY ITEM DESCRIPTION	UNIT	QTY
PERIMETER EROSION BARRIER	FOOT	300
CONCRETE BARRIER REMOVAL	FOOT	200
CONCRETE BARRIER WALL (SPECIAL)	FOOT	200
TEMPORARY CONCRETE BARRIER	FOOT	320
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1
BARRIER WALL REFLECTORS, TYPE C	EACH	32
PROTECTIVE COAT	SO YD	360
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.10

TOWER NO.	DESIGN SPEED (M.P.H.)	ADT	CLEAR ZONE (FT.)	ROADWAY FACILITY	TOWER SETBACK (FT.)
20GH4	60	155200	44	I-55	20



LEGEND	
	PROPOSED LIGHT TOWER
	REMOVED LIGHT TOWER
	EXISTING LIGHT TOWER TO REMAIN
	WORK AREA
	SIGN
	TYPE IJ BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT

- NOTES:**
- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE OUTSIDE OF THE RESTORATION AREA LIMITS AS SHOWN IN THE PLANS.
 - CLEAR ZONE DISTANCES PROVIDED ARE BASED ON 4:1 FRONT SLOPE.
 - CONCRETE BARRIER REMOVAL IS FOR ACCESS TO SITE. IDOT DISTRICT ONE STANDARD TC-17 MUST BE IN PLACE BEFORE THE CONCRETE BARRIER IS REMOVED AND UNTIL NEW CONCRETE BARRIER IS IN PLACE.
 - WHEN A SINGLE LANE CLOSURE IS REQUIRED, IDOT HIGHWAY STANDARDS 701400 & 701401 MUST BE IN PLACE PRIOR TO CONSTRUCTION ACTIVITY. THIS WORK WILL BE LIMITED TO NIGHT TIME CLOSURES PER THE SPECIAL PROVISIONS. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.



USER NAME - malonesj	DESIGNED - SJM	REVISED -
PLOT SCALE - 1/8"=50'	DRAWN - SJM	REVISED -
PLOT DATE - 10/17/2016	CHECKED - WJB	REVISED -
	DATE - 08/04/16	REVISED - 09/29/16 SM

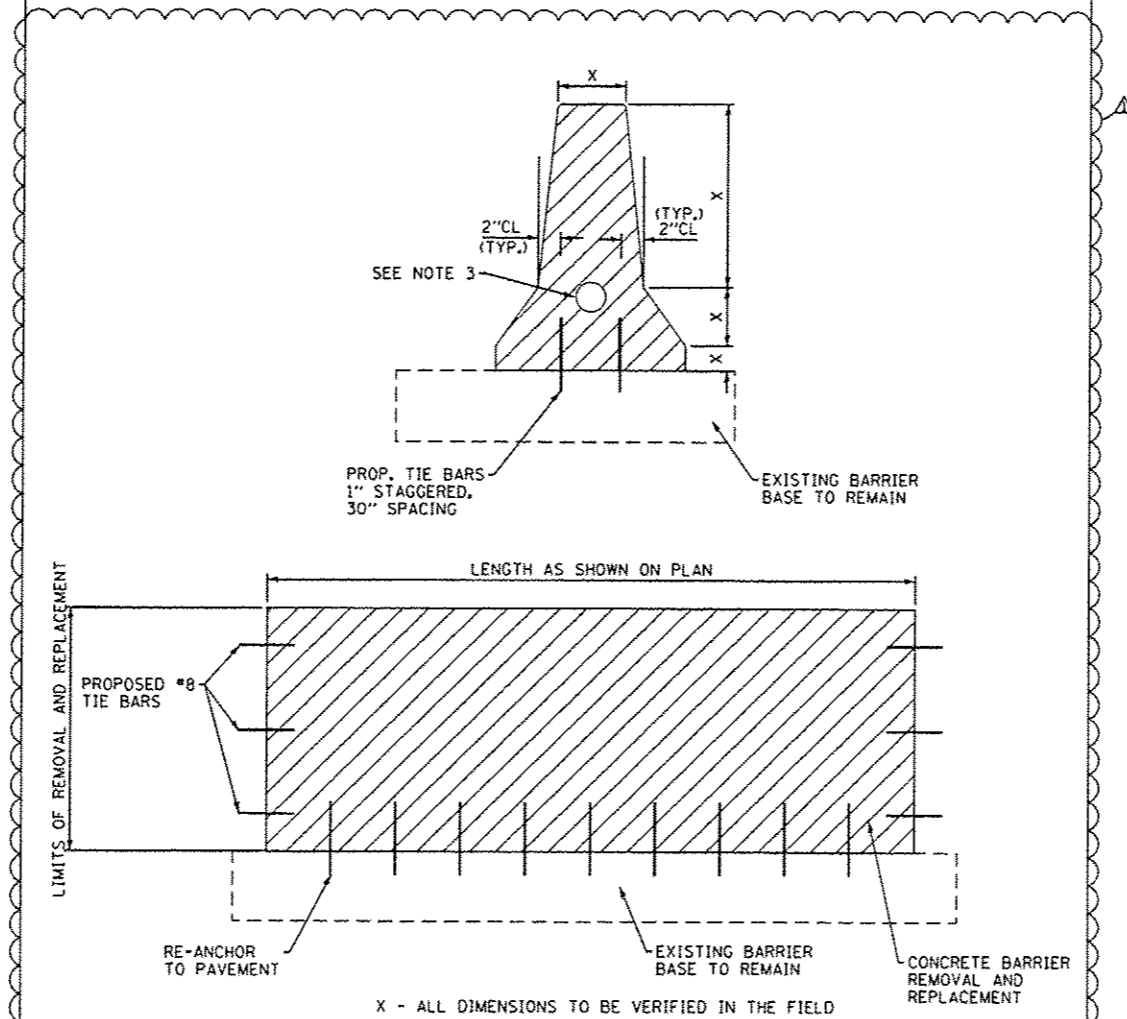
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
I-55 / 85TH AVE. (8500 W) - SHEET 1 OF 1

SCALE: 1"=50' SHEET OF SHEETS STA. 145+55 TO STA. 158+83

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	22
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

CONCRETE BARRIER WALL (SPECIAL)



NOTES:

1. ALL BARRIER WALL REPLACEMENT SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE PLANS. ALL PROPOSED DOWEL BARS AND TIE BARS SHALL BE DRILLED AND GROUTED IN PLACE. REINFORCEMENT SHALL BE INCLUDED AS DESCRIBED IN SECTION 637 OF THE STANDARD SPECIFICATIONS. WHEN A REINFORCEMENT CAGE IS ENCOUNTERED, THE CONTRACTOR SHALL REMOVE THE PORTION OF THE CAGE AND SHALL REPLACE IT WITH BARS OF THE SAME SIZE AND SPACING. THE SCOPE OF REPLACEMENT AT EACH LOCATION SHALL BE AS SHOWN ON THE PLANS AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
2. USE #8 EPOXY COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS FOR ALL TIE BARS.
3. IF CONDUIT EXISTS IN BARRIER WALL, INSTALL PVC CONDUIT EMBEDDED IN STRUCTURE AND ADJUST TO MATCH EXISTING CONDUIT SIZE AND LOCATION IN BARRIER WALL.

CD-Civil Detail.dwg

JACOBS

USER NAME = maloney	DESIGNED - SJM	REVISED -
	DRAWN - SJM	REVISED -
PLOT SCALE = 100.0000 1/16"	CHECKED - WJB	REVISED -
PLOT DATE = 10/17/2016	DATE - 08/04/16	REVISED - 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN
DETAILS

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L		84	23
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

CD-1

GENERAL NOTES:

- ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS, AND THE IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED ON APRIL 2016, AND SUPPLEMENT SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED ON JAN 1, 2015.
- THE CONTRACTOR MUST VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT PLANS WHICH COULD AFFECT HIS WORK UNDER THIS CONTRACT FOR OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEM.
- NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM JOB SITE AT THE CONTRACTOR'S EXPENSE.
- ALL UNDERGROUND UNIT DUCT SHALL BE 30 INCHES MINIMUM BELOW GRADE PER IDOT SECTION B10. UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH UNDERDRAINS, AND UNDERGROUND UTILITIES.
- ALL SPLICING MUST BE IN TOWER/ POLE BASES OR EXISTING JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS, UNLESS NOTED OTHERWISE.
- TEMPORARY SUPPORTS FOR EXISTING UTILITIES SHALL BE PROVIDED IF REQUIRED.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHT TIME OPERATION OF EXISTING LIGHTING WITHOUT THE APPROVAL OF THE ENGINEER. ALL EXISTING LIGHTING SHALL OPERATE FROM DUSK TO DAWN DAILY FOR DURATION OF THE PROJECT TO MAINTAIN ILLUMINATION OF TRAVELED ROADWAYS.
- EXISTING LIGHTING TOWER / TEMPORARY LIGHTING WILL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING TOWER STARTS FUNCTIONING.
- SWITCHOVER OF CABLE CONNECTIONS TO PROPOSED LIGHTING TOWER FROM EXISTING LIGHTING TOWER / TEMPORARY LIGHTING POLES SHALL TAKE PLACE DURING DAY TIME.
- PROPOSED LIGHTING TOWER IN CONFLICT WITH THE EXISTING DITCH LINES SHALL BE INSTALLED BEHIND THE DITCHES AS APPROVED BY THE ENGINEER. NO TOWER SHALL BE INSTALLED AT THE BOTTOM OF DRAINAGE DITCHES OR IN ESTABLISHED LANDSCAPING.
- ALL EXCAVATION REQUIRED TO FACILITATE THE INSTALLATION OF PROPOSED LIGHT TOWER FOUNDATIONS AT SLOPED AREAS SHALL BE CONSIDERED INCIDENTAL TO THE TOWER FOUNDATIONS. NO SEPARATE PAYMENT WILL BE MADE.
- COUNTERWEIGHTS ON UN-USED TENONS SHALL BE MOUNTED TO BALANCE THE LUMINAIRE AS ACCEPTABLE TO THE ENGINEER.
- TOWER UNIT IDENTIFICATION LABEL SHALL BE PROVIDED AS PER ARTICLE 1069.06 TO THE PROPOSED TOWER TO MATCH WITH EXISTING ONE.
- CONTRACTOR SHALL REVIEW THE SOIL BORING LOGS AND SOIL TEST REPORTS FOR EACH PROPOSED LIGHTING TOWER, BEFORE START OF FOUNDATION AUGURING. EACH HOLE FOR THE FOUNDATION SHALL BE INSPECTED BY THE ENGINEER PRIOR TO POURING CONCRETE FOUNDATION. THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THE INFORMATION IN NO WAY IMPLIES THAT SUB SURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF BORING.
- THE CONTRACTOR IS ADVISED THAT IN THE EVENT OF SNOW, HE SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF ANY MAINTENANCE OF TRAFFIC PROTECTIVE DEVICE REQUIRED FOR THE TRAFFIC OPERATIONS THAT WOULD INTERFERE WITH SNOW REMOVAL OPERATION PERFORMED BY THE STATE IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS.
- PROPOSED TOWER FOUNDATIONS ARE SHOWN AS APPROXIMATE LOCATIONS. IT CAN BE ADJUSTED IN THE FIELD TO AVOID EXISTING UNDERGROUND CABLE & UTILITY CONFLICTS, PER APPROVAL BY ENGINEER.
- THE PROPOSED TOWER FOUNDATION SHALL NOT BE PLACED CLOSER THAN 10 FT FROM EXISTING TOWER FOUNDATION. THE MINIMUM 10 FT SEPARATION IS MEASURED FROM EDGE OF PROPOSED FOUNDATION TO EDGE OF EXISTING FOUNDATION.
- REMOVAL AND DISPOSAL OF SURPLUS, UNSTABLE, UNSUITABLE, AND ORGANIC MATERIALS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. MAJOR ROOTS OF A TREE THAT IS TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREA SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE. ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

CONTACT NOTES:

- CALL JULIE OR DIGGER FOR CABLE LOCATES, CALL IDOT EMC AT (708) 524-2145 FOR IDOT MAINTAINED CABLE LOCATES. THE PROPOSED TOWER FOUNDATIONS & PROPOSED UNIT DUCTS SHOULD ONLY BE INSTALLED AFTER THE LOCATES HAVE BEEN COMPLETED.
- CALL (ISTHA) ILLINOIS STATE TOLL HIGHWAY AUTHORITY AT 630-241-6800 TO APPLY FOR PERMIT AND OBTAIN LOCATES AND BEFORE START OF ANY WORK ON TOLLWAY RIGHT OF WAY.
- CALL VILLAGE OF BURR RIDGE AT 630-654-8181 TO APPLY FOR PERMIT AND OBTAIN LOCATES AND BEFORE START OF ANY WORK ON VILLAGE RIGHT OF WAY.

REMOVAL NOTES:

- LOCATIONS OF EXISTING LIGHTING TOWERS SHOWN ON PLAN DRAWINGS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL REVIEW THE CONTRACT DRAWINGS AND ASCERTAIN EXISTING SITE CONDITIONS TO VERIFY THE EXTENT OF DEMOLITION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR PERFORMING ALL REMOVAL REQUIRED IN THIS CONTRACT.
- COMMENCEMENT OF WORK SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF EXISTING FOUNDATIONS AND UNIT DUCT FOR THIS WORK AND ACCESS TO WORK SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR ADDITIONAL LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORSEEN DURING SUCH AN EXAMINATION.
- ALL SALVAGE EXISTING EQUIPMENT INCLUDING, TEMPORARY WOOD POLES, LUMINAIRES, MAST ARMS SHALL BE RETURNED TO STATE STOCK. THE CONTRACTOR SHALL CALL EMC AT (708) 524-2145 FOR MORE DETAILS AND DELIVERY PLACE.
- REMOVE EXISTING TOWER FOUNDATION, GROUND RODS, UNIT DUCT UP TO 10FT FROM THE CENTER OF FOUNDATION. THE VOID CAUSED BY THE REMOVAL OF THE TOWER FOUNDATION SHALL BE BACKFILLED WITH SUITABLE EXCAVATED MATERIAL APPROVED BY THE ENGINEER.
- LOCATIONS SELECTED FOR COLLECTION OF DEBRIS AND/OR STORAGE OF EQUIPMENT SHALL BE AS APPROVED BY THE ENGINEER.
- ALL EXISTING TOWERS TO BE REMOVED SHALL BE SCRAPPED AND DISPOSED OF IN A LEGAL MANNER.
- REMOVAL OF TEMPORARY LIGHTING UNIT SHALL INCLUDE POLE, AERIAL CABLE, LUMINAIRE, MAST ARM AND ALL ASSOCIATED APPARATUS AND CONNECTIONS. ALL TEMPORARY LIGHT LUMINAIRES WILL BE INSPECTED BY THE ENGINEER BEFORE BEING BOXED IN NEW CONTAINERS AND DELIVERED TO STORAGE FACILITY OF IDOT DISTRICT 1.
- TOWER CONCRETE FOUNDATION SHALL BE REMOVED TO AT LEAST 2 FT BELOW GRADE. REMOVE EXISTING WORK PAD WHERE APPLICABLE. THE COST OF THIS SHALL BE INCLUDED IN FOUNDATION REMOVAL (UNLESS NOTED OTHERWISE).
- VERIFY AND LOCATE UNDERGROUND CIRCUIT (UNIT DUCTS) ROUTING OF TOWERS UNDER REPLACEMENT AS PER SECTION B03. MARK THE ROUTING SO THAT DURING DIGGING OF TRENCH FOR PROPOSED UNIT DUCT THE EXISTING UNIT DUCT IS PROTECTED TO MAINTAIN THE LIGHTING SYSTEM IN OPERATION. IF THE PROPOSED TOWER FOUNDATION COMES ON EXISTING UNIT DUCT, RE-ROUTE THE UNIT DUCT TEMPORARY UNTIL PROPOSED TOWER STARTS FUNCTIONING.

SYMBOL LEGEND:

- REMOVE OF EXISTING LIGHTING TOWER AND FOUNDATION, EXISTING TOWER TO BE SCRAPPED. HIGH MAST LUMINAIRES TO BE SALVAGED.
- EXISTING LIGHTING TOWER TO REMAIN, EXISTING LUMINAIRES AS PER PLAN
- PROPOSED LIGHTING TOWER ON NEW FOUNDATION, PROPOSED LUMINAIRES. NUMBER OF LUMINAIRES AS PER PLAN HANDHOLE ORIENTATION
- REMOVE TOWER FOUNDATION ONLY
- REMOVE TEMPORARY LIGHTING UNIT COMPLETE WITH ALL ACCESSORIES, SALVAGE TO IDOT
- EXISTING LIGHTING UNIT TO REMAIN
- REMOVE EXISTING AERIAL CABLE AND MESSANGER WIRE
- EXISTING UNIT DUCT, SIZE AS PER PLANS
- UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- PROPOSED UNIT DUCT, SIZE AS PER PLANS
- EXISTING LIGHTING CONTROLLER
- GROUND ROD, 5/8" DIA x 10' LONG
- PROPOSED LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM METAL FOUNDATION, 10" X 8" LONG BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT LUMINAIRE SAFETY CABLE ASSEMBLY

PROPOSED TOLLWAY GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM, LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT AND LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE

ABBREVIATIONS:

- E EXISTING TO REMAIN
- E.O.P. EDGE OF PAVEMENT
- EMC ELECTRICAL MAINTENANCE CONTRACT
- FT FEET OR FOOT
- GND GROUND
- JB JUNCTION BOX
- MA MAST ARM
- NO. NUMBER
- N.T.S. NOT TO SCALE
- P PROPOSED
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANISED STEEL
- R REMOVE
- STA. STATION
- U.N.O. UNLESS NOTED OTHERWISE
- HPS HIGH PRESSURE SODIUM



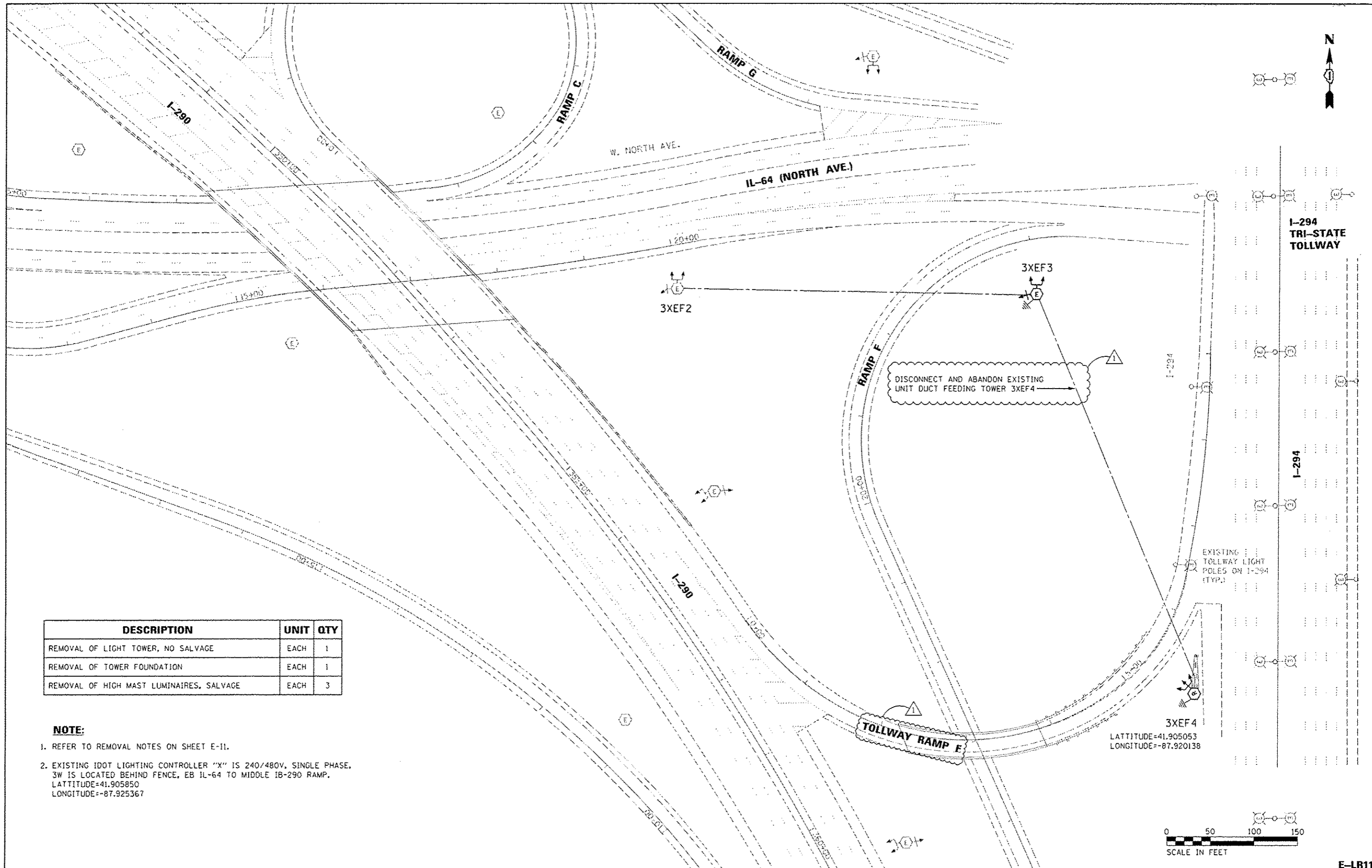
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DRAWN - GJ	REVISIONS -	
CHECKED - HS	REVISIONS -	
DATE - 08-11-2016	REVISIONS -	
PLOT DATE = 10/17/2016	DATE - 08-11-2016	REVISED - 09-29-16 KK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SYMBOLS, LEGEND, GENERAL NOTES
AND REMOVAL NOTES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	VARIOUS	84	24
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				



DESCRIPTION	UNIT	QTY
REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	1
REMOVAL OF TOWER FOUNDATION	EACH	1
REMOVAL OF HIGH MAST LUMINAIRES, SALVAGE	EACH	3

NOTE:

- REFER TO REMOVAL NOTES ON SHEET E-11.
- EXISTING IDOT LIGHTING CONTROLLER "X" IS 240/480V, SINGLE PHASE, 3W IS LOCATED BEHIND FENCE, EB IL-64 TO MIDDLE IB-290 RAMP, LATITUDE=41.905850, LONGITUDE=-87.925367



USER NAME * #USER*	DESIGNED - HM	REVISED -
PLOT SCALE * #SCALE*	DRAWN - GJ	REVISED -
PLOT DATE * #DATE*	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
I-290 / IL-64 (NORTH AVE.) - SHEET 1 OF 1

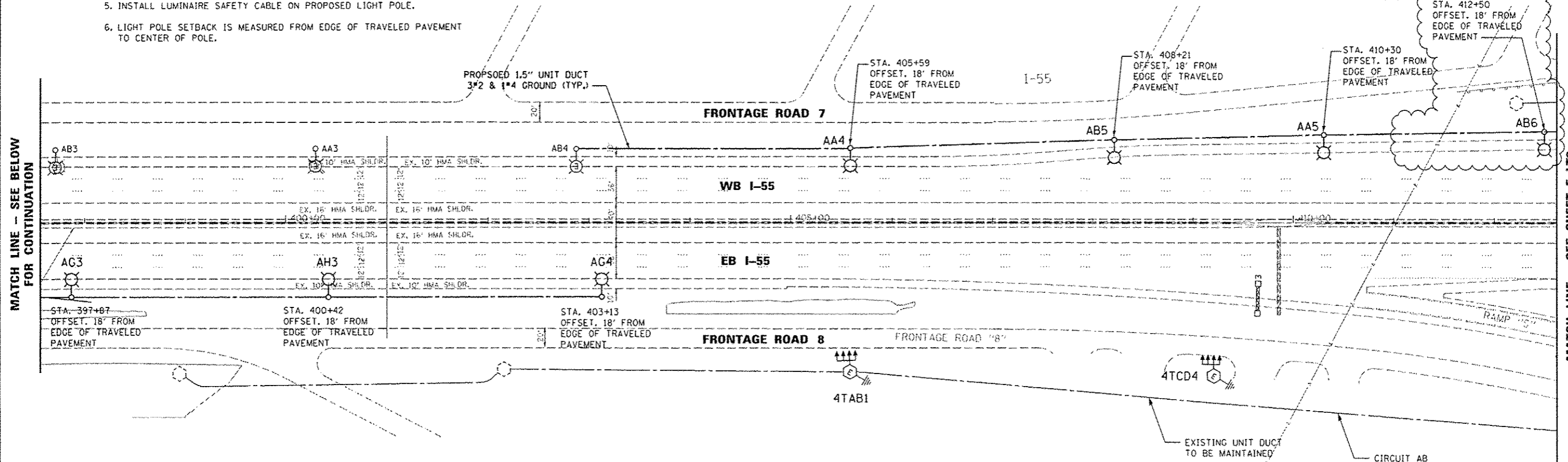
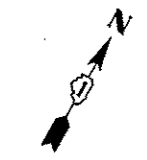
SCALE: 1"=50' SHEET 11 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	DUPAGE	84	35
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

E-LR11

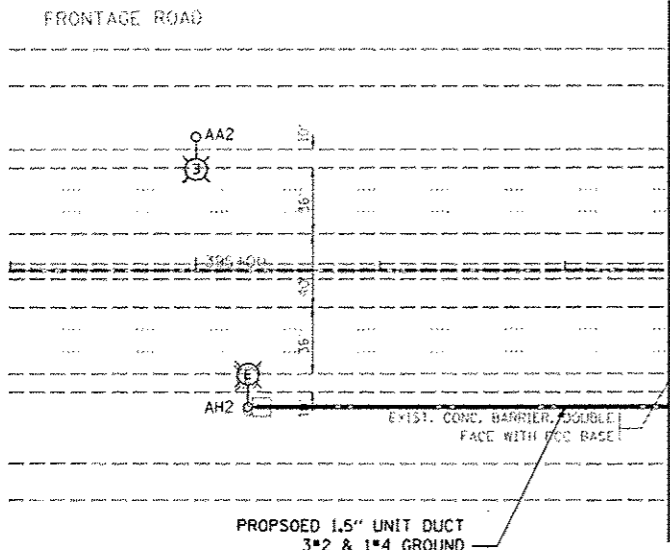
NOTES:

1. [Redacted]
2. [Redacted]
3. REFER SHEET E-11 FOR GENERAL NOTES.
4. [Redacted]
5. INSTALL LUMINAIRE SAFETY CABLE ON PROPOSED LIGHT POLE.
6. LIGHT POLE SETBACK IS MEASURED FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF POLE.



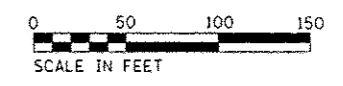
MATCH LINE - SEE BELOW FOR CONTINUATION

MATCH LINE - SEE SHEET E-LT2



MATCH LINE - SEE ABOVE FOR CONTINUATION

DESCRIPTION	UNIT	QTY
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1720
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	7
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	7
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	7
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	7
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	7

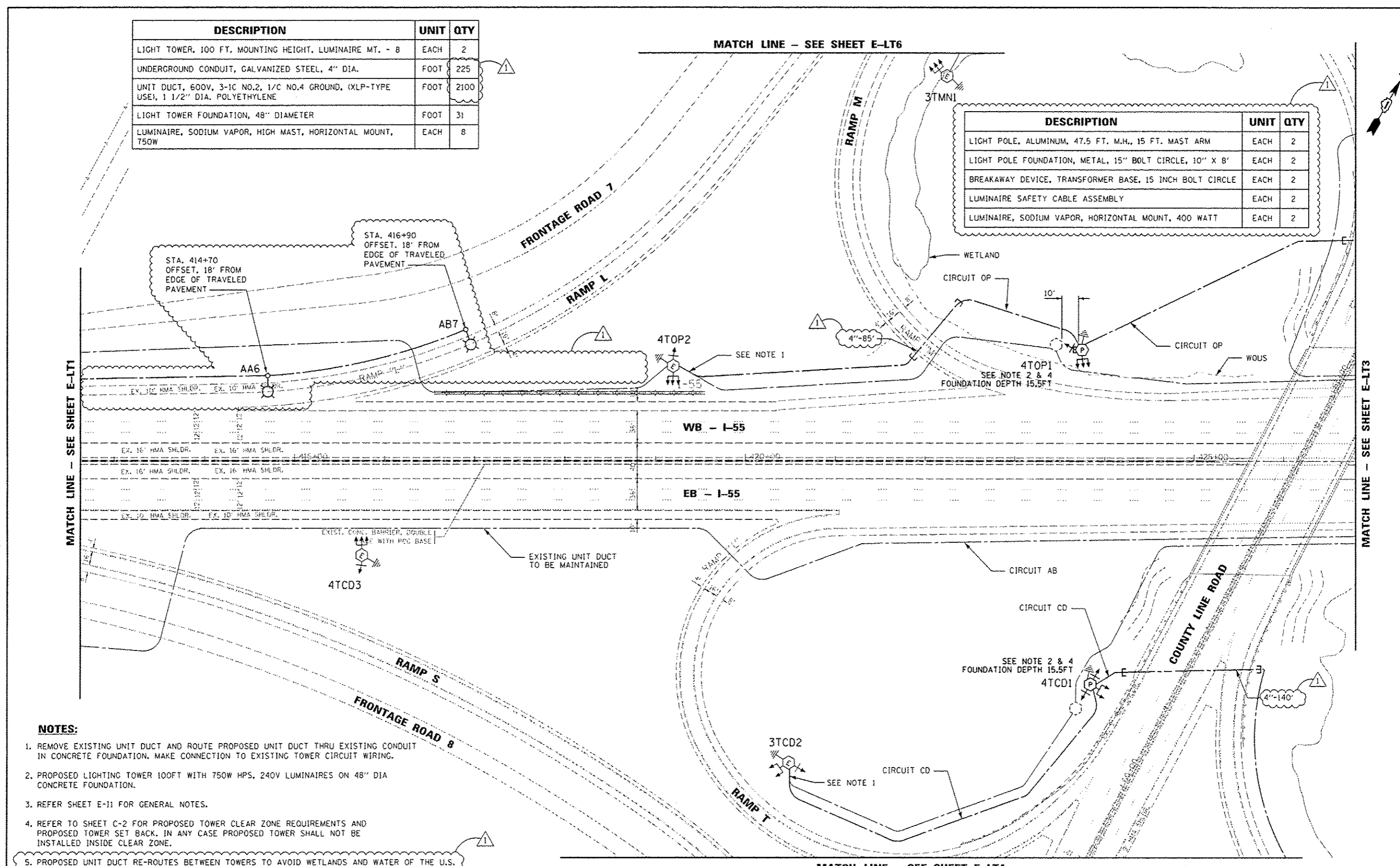


<p>DELTA ENGINEERING GROUP, LLC</p>	USER NAME - #USER#	DESIGNED - HM	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>PROPOSED LIGHTING PLAN I-55 / S. COUNTY LINE ROAD - SHEET 1 OF 7</p>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE - #SCALE#	CHECKED - HS	REVISED -		SCALE: 1"=50'	SHEET 1 OF 13 SHEETS	STA. TO STA.	2015-039L	COOK	84	38
PLOT DATE - #DATE#	DATE - 08-11-2016	REVISED -	REVISED -				CONTRACT NO. 62A98				
							ILLINOIS FED. AID PROJECT				

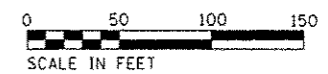
E-LT1

DESCRIPTION	UNIT	QTY
LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	225
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2100
LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	31
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750W	EACH	8

DESCRIPTION	UNIT	QTY
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	2
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	2
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2



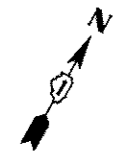
- NOTES:**
1. REMOVE EXISTING UNIT DUCT AND ROUTE PROPOSED UNIT DUCT THRU EXISTING CONDUIT IN CONCRETE FOUNDATION. MAKE CONNECTION TO EXISTING TOWER CIRCUIT WIRING.
 2. PROPOSED LIGHTING TOWER 100FT WITH 750W HPS, 240V LUMINAIRES ON 48" DIA CONCRETE FOUNDATION.
 3. REFER SHEET E-11 FOR GENERAL NOTES.
 4. REFER TO SHEET C-2 FOR PROPOSED TOWER CLEAR ZONE REQUIREMENTS AND PROPOSED TOWER SET BACK. IN ANY CASE PROPOSED TOWER SHALL NOT BE INSTALLED INSIDE CLEAR ZONE.
 5. PROPOSED UNIT DUCT RE-ROUTES BETWEEN TOWERS TO AVOID WETLANDS AND WATER OF THE U.S.



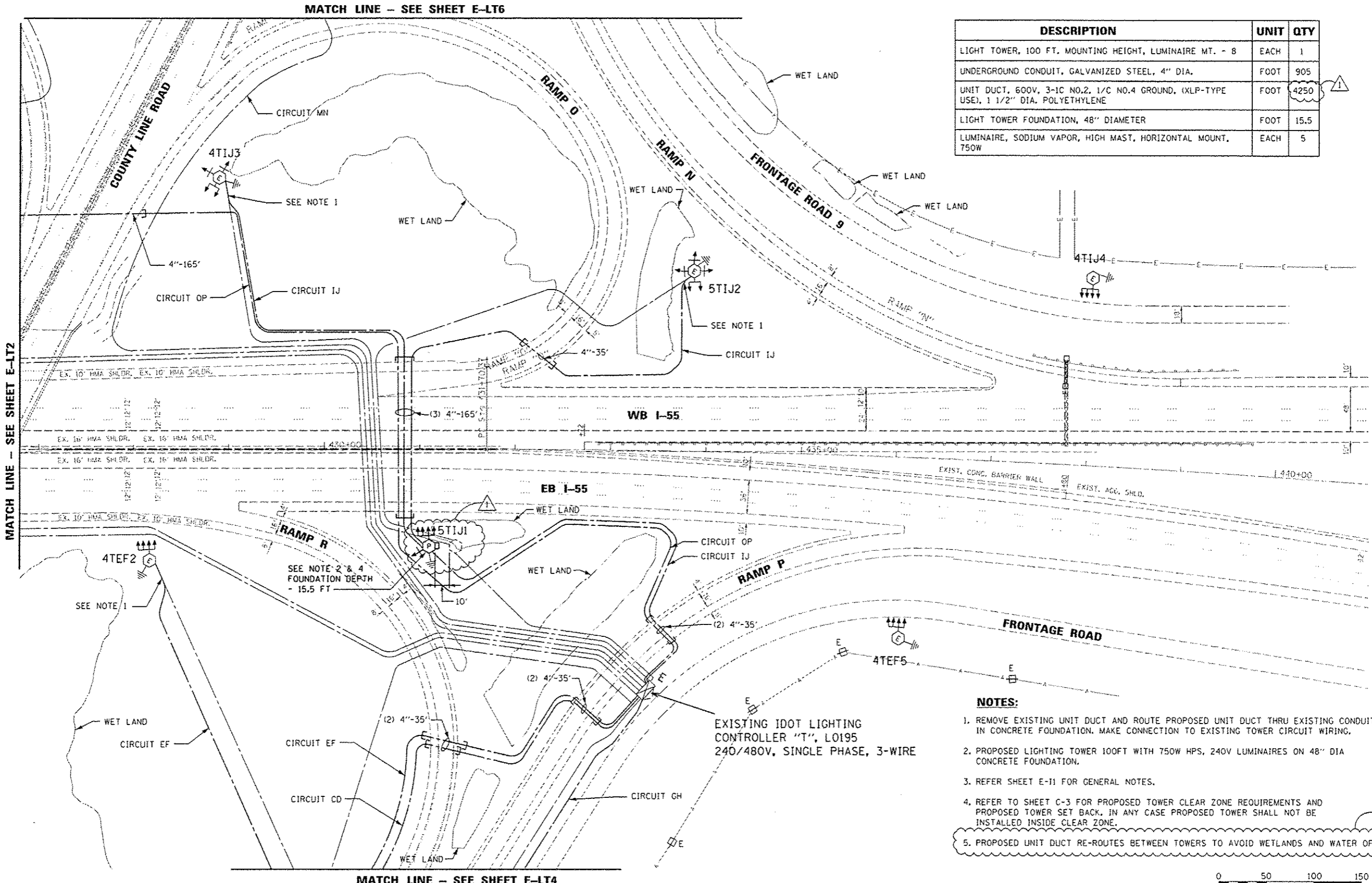
	USER NAME = #USER#	DESIGNED - HM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN I-55 / S. COUNTY LINE ROAD - SHEET 2 OF 7		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = #SCALE#	DRAWN - GJ	REVISED -		SCALE: 1"=50'	SHEET 2 OF 13 SHEETS	STA.	TO STA.	2015-039L	COOK	84	39	
	PLOT DATE = 10/17/2016	CHECKED - HS	REVISED -										
		DATE - 08-11-2016	REVISED -		09-29-16 KK								

E-LT2

ILLINOIS FED. AID PROJECT



DESCRIPTION	UNIT	QTY
LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	905
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	4250
LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	15.5
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750W	EACH	5



- NOTES:**
1. REMOVE EXISTING UNIT DUCT AND ROUTE PROPOSED UNIT DUCT THRU EXISTING CONDUIT IN CONCRETE FOUNDATION. MAKE CONNECTION TO EXISTING TOWER CIRCUIT WIRING.
 2. PROPOSED LIGHTING TOWER 100FT WITH 750W HPS, 240V LUMINAIRES ON 48" DIA CONCRETE FOUNDATION.
 3. REFER SHEET E-11 FOR GENERAL NOTES.
 4. REFER TO SHEET C-3 FOR PROPOSED TOWER CLEAR ZONE REQUIREMENTS AND PROPOSED TOWER SET BACK. IN ANY CASE PROPOSED TOWER SHALL NOT BE INSTALLED INSIDE CLEAR ZONE.
 5. PROPOSED UNIT DUCT RE-ROUTES BETWEEN TOWERS TO AVOID WETLANDS AND WATER OF THE U.S.



	USER NAME - #USER#	DESIGNED - HM	REVISED -
	DRAWN - GJ	CHECKED - HS	REVISED -
	DATE - 08-11-2016	DATE -	REVISED -
	DATE - 09-29-16	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-55 / S. COUNTY LINE ROAD - SHEET 3 OF 7

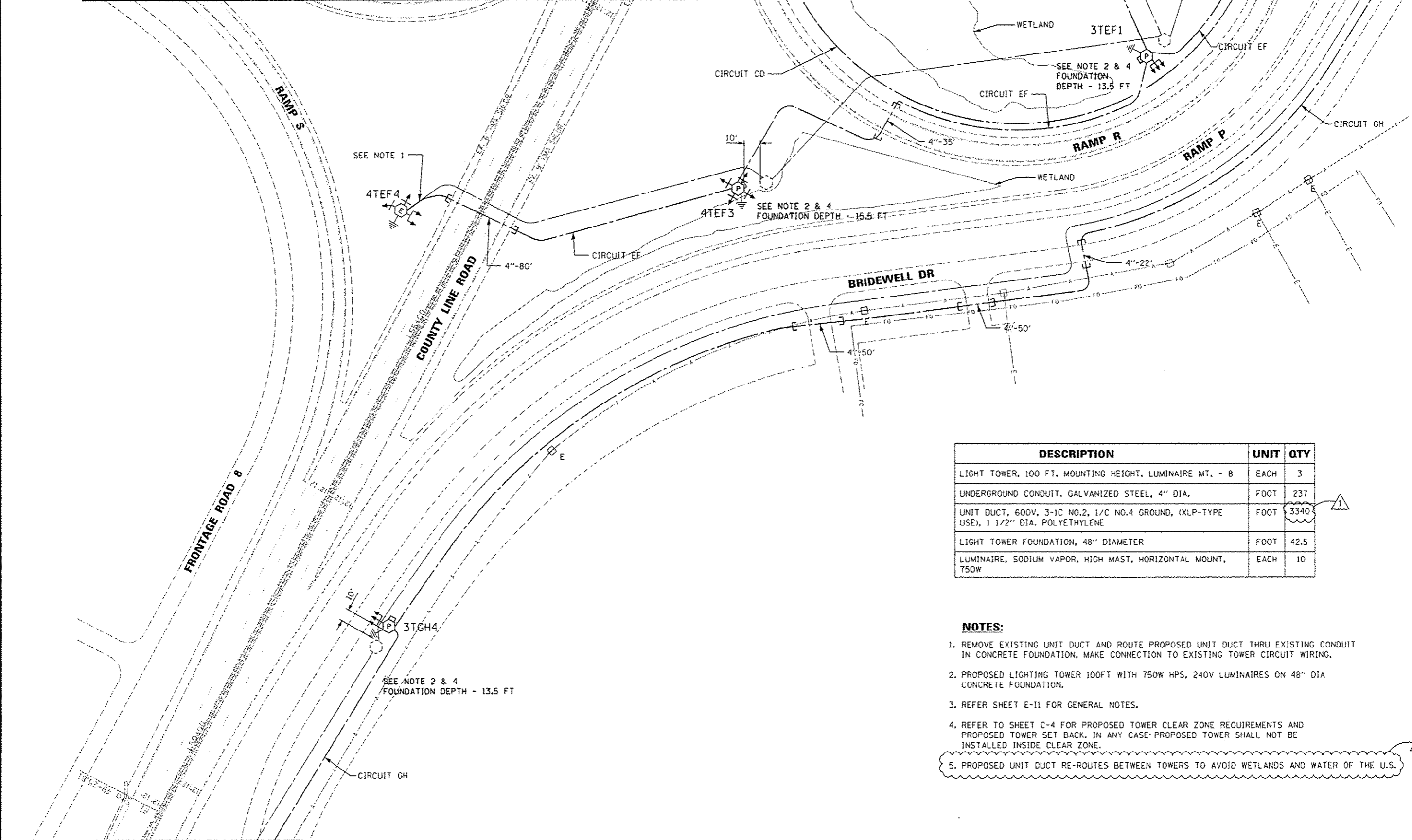
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	40
CONTRACT NO. 62A98			ILLINOIS FED. AID PROJECT	

E-LT3

MATCH LINE - SEE SHEET E-LT2

MATCH LINE - SEE SHEET E-LT3

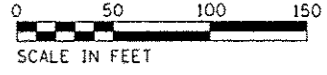


DESCRIPTION	UNIT	QTY
LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	237
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3340
LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	42.5
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750W	EACH	10

NOTES:

- REMOVE EXISTING UNIT DUCT AND ROUTE PROPOSED UNIT DUCT THRU EXISTING CONDUIT IN CONCRETE FOUNDATION, MAKE CONNECTION TO EXISTING TOWER CIRCUIT WIRING.
- PROPOSED LIGHTING TOWER 100FT WITH 750W HPS, 240V LUMINAIRES ON 48" DIA CONCRETE FOUNDATION.
- REFER SHEET E-11 FOR GENERAL NOTES.
- REFER TO SHEET C-4 FOR PROPOSED TOWER CLEAR ZONE REQUIREMENTS AND PROPOSED TOWER SET BACK. IN ANY CASE PROPOSED TOWER SHALL NOT BE INSTALLED INSIDE CLEAR ZONE.
- PROPOSED UNIT DUCT RE-ROUTES BETWEEN TOWERS TO AVOID WETLANDS AND WATER OF THE U.S.

MATCH LINE - SEE SHEET E-LT5



E-LT4



USER NAME = *USER*	DESIGNED - HM	REVISED -
PLOT SCALE = *SCALE*	DRAWN - CJ	REVISED -
PLOT DATE = 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-55 / S. COUNTY LINE ROAD - SHEET 4 OF 7

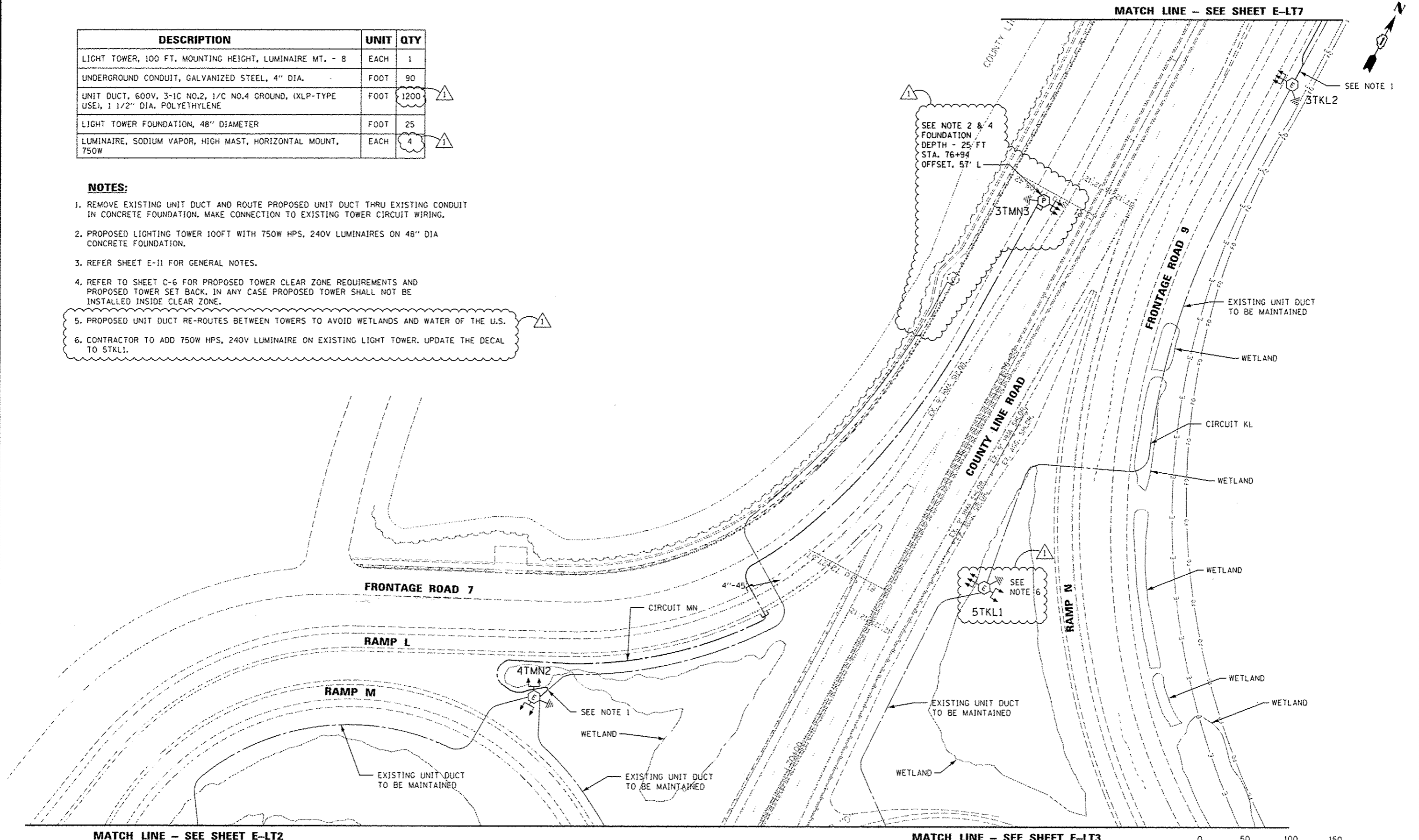
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	41
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

DESCRIPTION	UNIT	QTY
LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	90
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1200
LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	25
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750W	EACH	4

NOTES:

- REMOVE EXISTING UNIT DUCT AND ROUTE PROPOSED UNIT DUCT THRU EXISTING CONDUIT IN CONCRETE FOUNDATION. MAKE CONNECTION TO EXISTING TOWER CIRCUIT WIRING.
- PROPOSED LIGHTING TOWER 100FT WITH 750W HPS, 240V LUMINAIRES ON 48" DIA CONCRETE FOUNDATION.
- REFER SHEET E-11 FOR GENERAL NOTES.
- REFER TO SHEET C-6 FOR PROPOSED TOWER CLEAR ZONE REQUIREMENTS AND PROPOSED TOWER SET BACK. IN ANY CASE PROPOSED TOWER SHALL NOT BE INSTALLED INSIDE CLEAR ZONE.
- PROPOSED UNIT DUCT RE-ROUTES BETWEEN TOWERS TO AVOID WETLANDS AND WATER OF THE U.S.
- CONTRACTOR TO ADD 750W HPS, 240V LUMINAIRE ON EXISTING LIGHT TOWER. UPDATE THE DECAL TO 5TKL1.



USER NAME : #USER#	DESIGNED - HM	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJ	REVISED -
PLOT DATE = 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-55 / S. COUNTY LINE ROAD - SHEET 6 OF 7

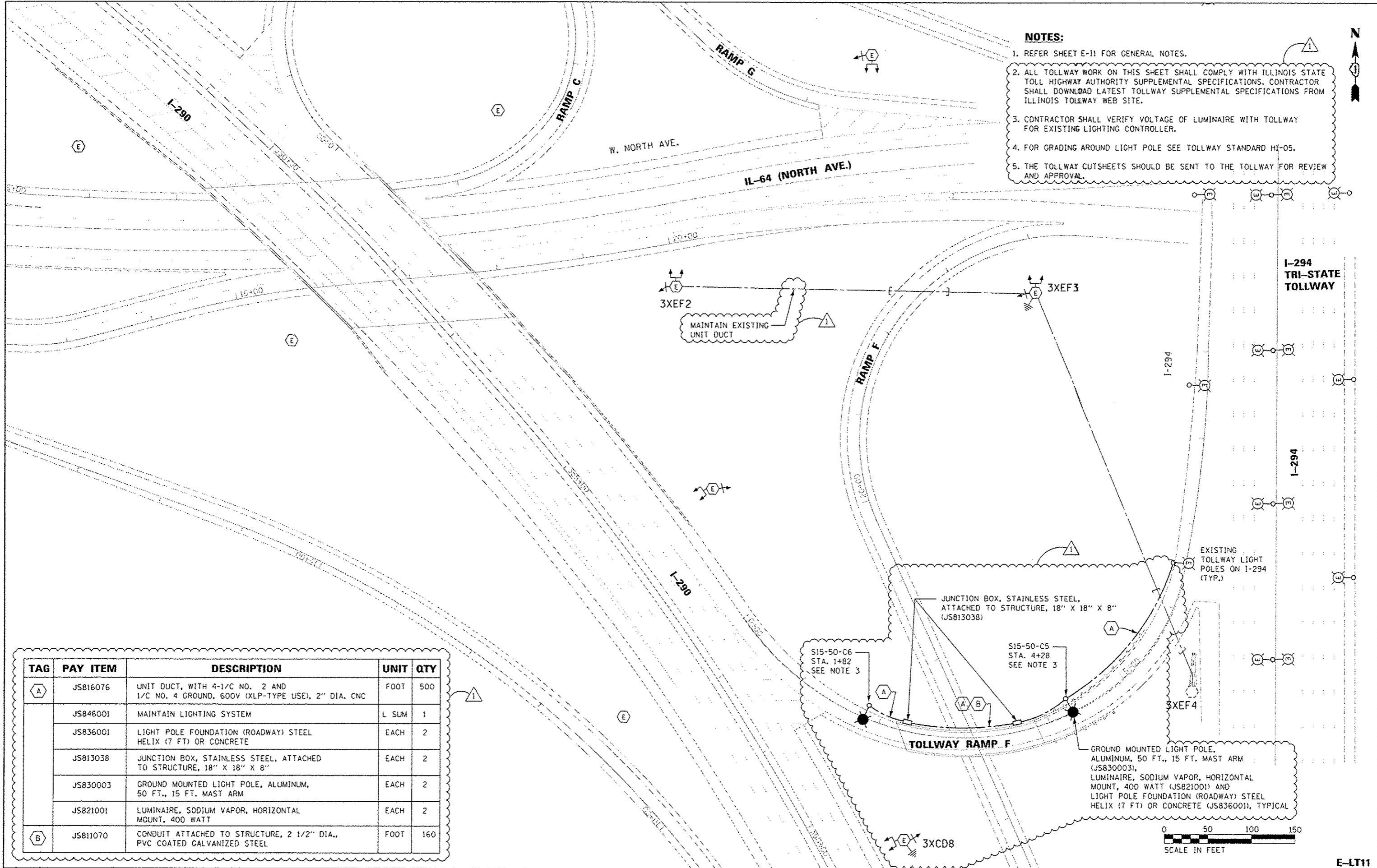
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	43
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

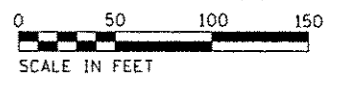
E-LT6

NOTES:

1. REFER SHEET E-11 FOR GENERAL NOTES.
2. ALL TOLLWAY WORK ON THIS SHEET SHALL COMPLY WITH ILLINOIS STATE TOLL HIGHWAY AUTHORITY SUPPLEMENTAL SPECIFICATIONS. CONTRACTOR SHALL DOWNLOAD LATEST TOLLWAY SUPPLEMENTAL SPECIFICATIONS FROM ILLINOIS TOLLWAY WEB SITE.
3. CONTRACTOR SHALL VERIFY VOLTAGE OF LUMINAIRE WITH TOLLWAY FOR EXISTING LIGHTING CONTROLLER.
4. FOR GRADING AROUND LIGHT POLE SEE TOLLWAY STANDARD HI-05.
5. THE TOLLWAY CUTSHEETS SHOULD BE SENT TO THE TOLLWAY FOR REVIEW AND APPROVAL.



TAG	PAY ITEM	DESCRIPTION	UNIT	QTY
A	JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	500
	JS846001	MAINTAIN LIGHTING SYSTEM	L SUM	1
	JS836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	2
	JS813038	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2
	JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	EACH	2
	JS821001	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
B	JS811070	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	160



USER NAME = *USER*	DESIGNED - HM	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJ	REVISED -
PLOT DATE = 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
1-290 / IL-64 (NORTH AVE.) - SHEET 1 OF 1

SCALE: 1"=50' SHEET 11 OF 13 SHEETS STA. TO STA.

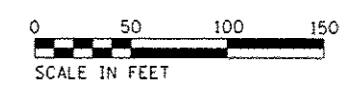
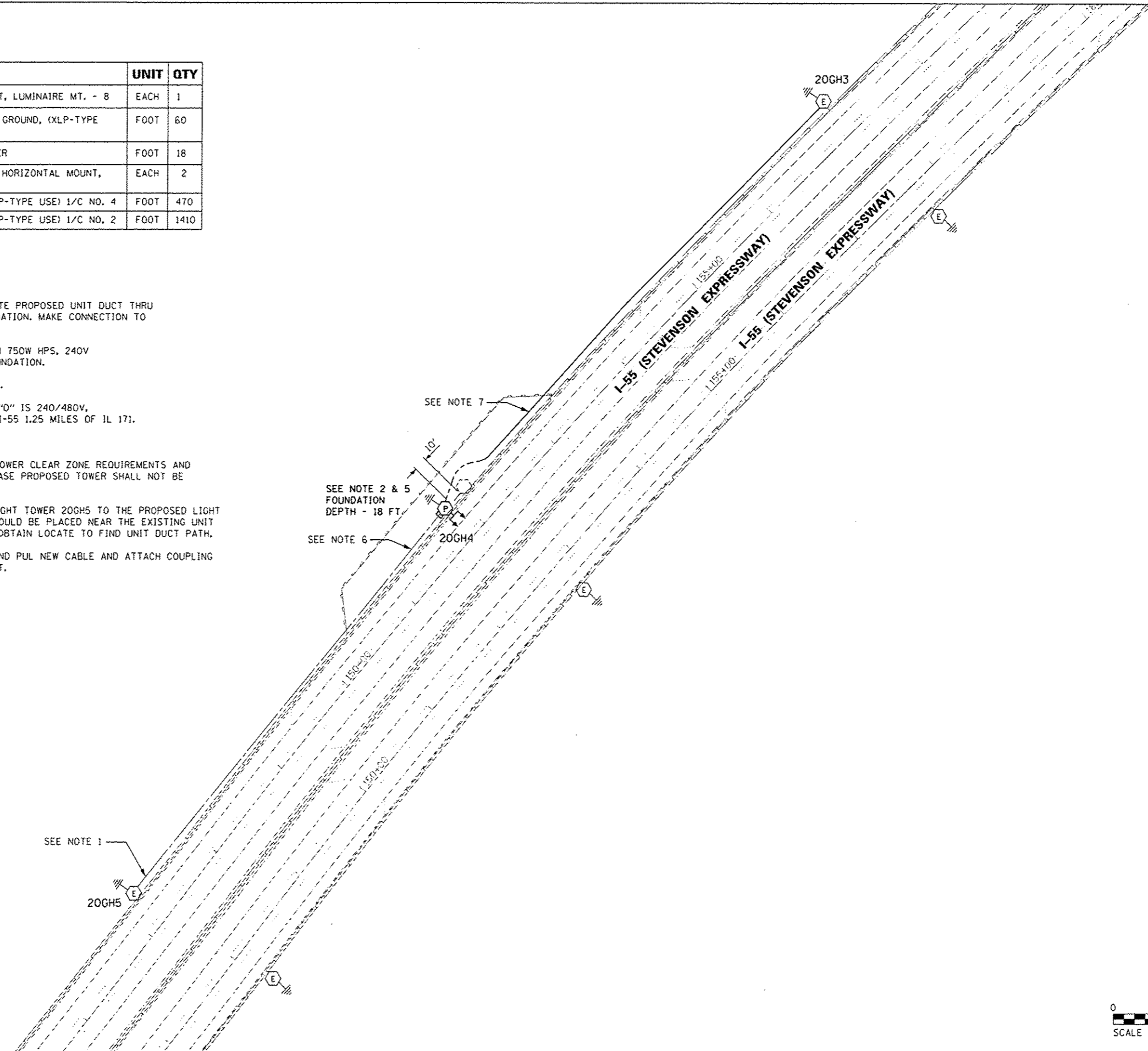
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	DUPAGE	84	48
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

E-LT11

DESCRIPTION	UNIT	QTY
LIGHT TOWER, 130 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 8	EACH	1
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	60
LIGHT TOWER FOUNDATION, 54" DIAMETER	FOOT	18
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750W	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	470
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1410

NOTES:

- REMOVE EXISTING UNIT DUCT AND ROUTE PROPOSED UNIT DUCT THRU EXISTING CONDUIT IN CONCRETE FOUNDATION. MAKE CONNECTION TO EXISTING TOWER CIRCUIT WIRING.
- PROPOSED LIGHTING TOWER 130FT WITH 750W HPS, 240V LUMINAIRES ON (54") DIA CONCRETE FOUNDATION.
- REFER SHEET E-11 FOR GENERAL NOTES.
- EXISTING IDOT LIGHTING CONTROLLER "O" IS 240/480V, SINGLE PHASE, 3W IS LOCATED AT 1B I-55 1.25 MILES OF 1L 171. LATITUDE = 41.782723 LONGITUDE = -87.831567
- REFER TO SHEET C-4 FOR PROPOSED TOWER CLEAR ZONE REQUIREMENTS AND PROPOSED TOWER SET BACK. IN ANY CASE PROPOSED TOWER SHALL NOT BE INSTALLED INSIDE CLEAR ZONE.
- USE EXISTING UNIT DUCT FROM THE LIGHT TOWER 20GH5 TO THE PROPOSED LIGHT TOWER. PROPOSED TOWER LOCATION SHOULD BE PLACED NEAR THE EXISTING UNIT DUCT PATH. EXCAVATE THE AREA AND OBTAIN LOCATE TO FIND UNIT DUCT PATH.
- REMOVE EXISTING CABLE FROM DUCT AND PUL NEW CABLE AND ATTACH COUPLING BETWEEN EXISTING AND PROPOSED DUCT.



USER NAME : #USER#	DESIGNED - HM	REVISED -
PLLOT SCALE : #SCALE#	DRAWN - CJ	REVISED -
PLLOT DATE : 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

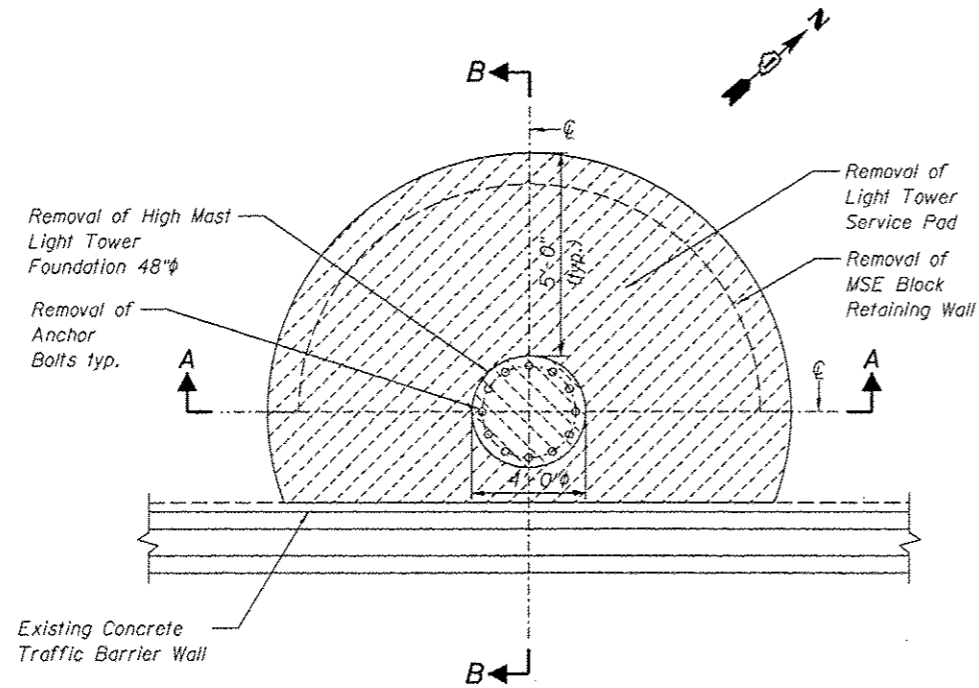
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-55 / 85TH AVE. (8500 W) - SHEET 1 OF 1

SCALE: 1"=50' SHEET 13 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L	COOK	84	50
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

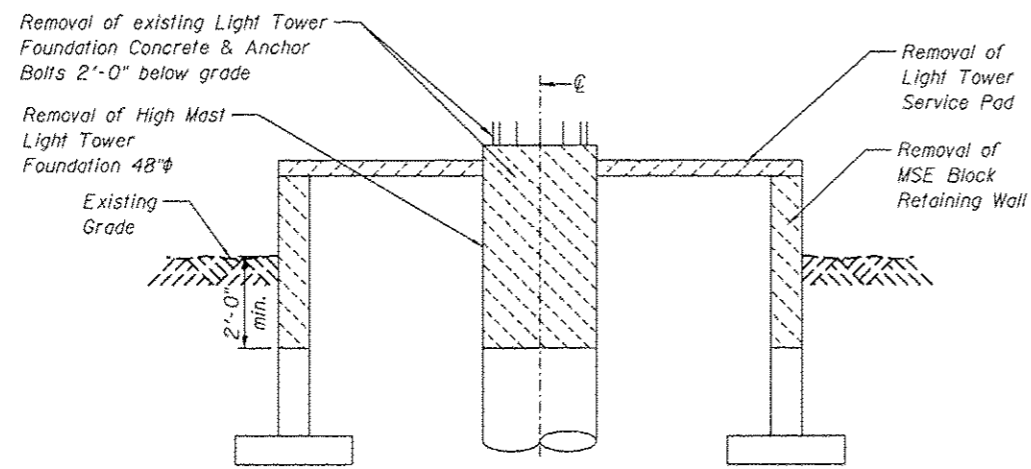
E-LT13



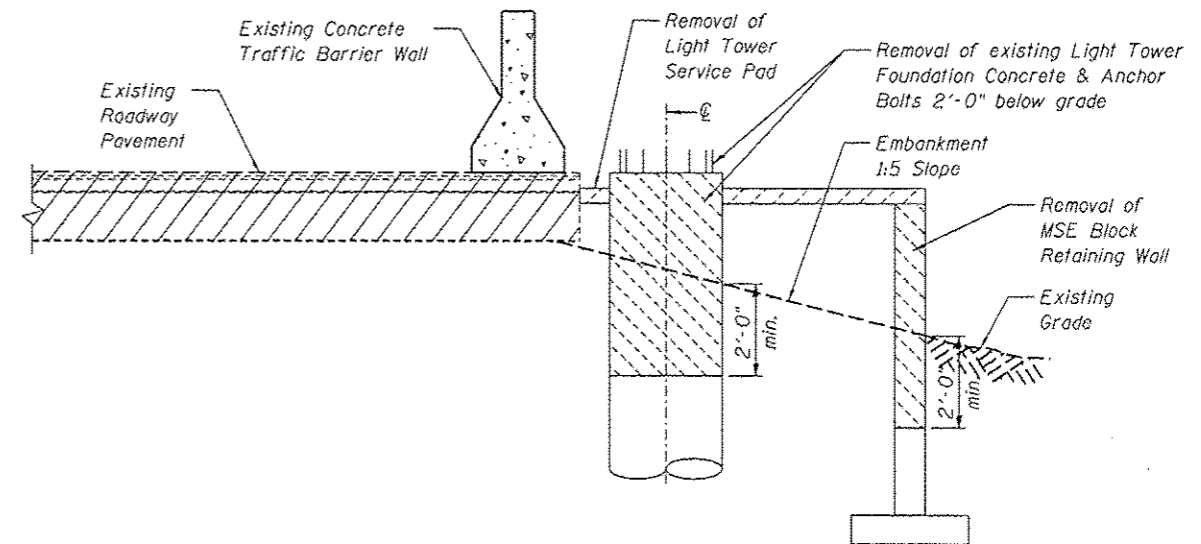
**LIGHT TOWER,
FOUNDATION REMOVAL PLAN**

BILL OF MATERIAL

Light Tower No.	Item	Unit	Total
20GH4	Removal of Existing Structures	Each	1



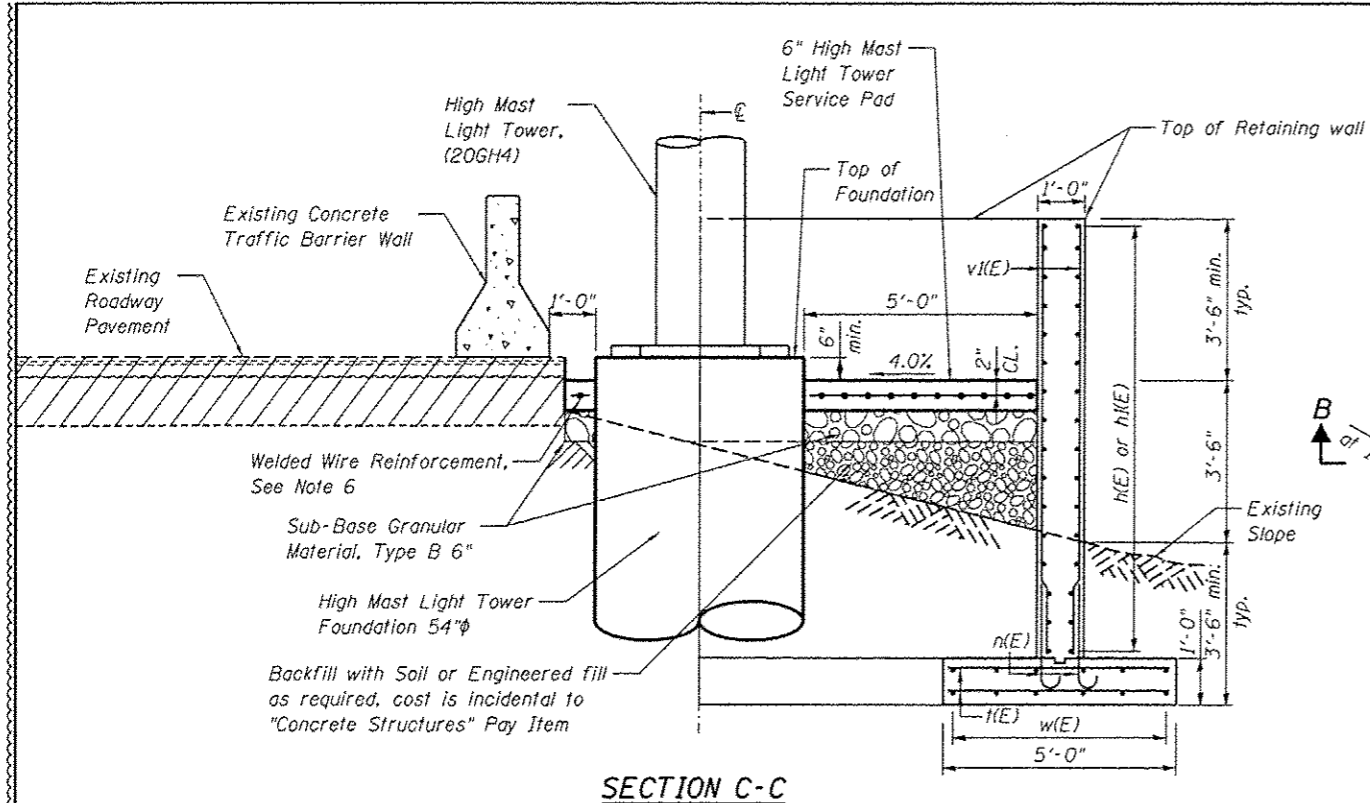
**LIGHT TOWER,
FOUNDATION REMOVAL
SECTION A-A**



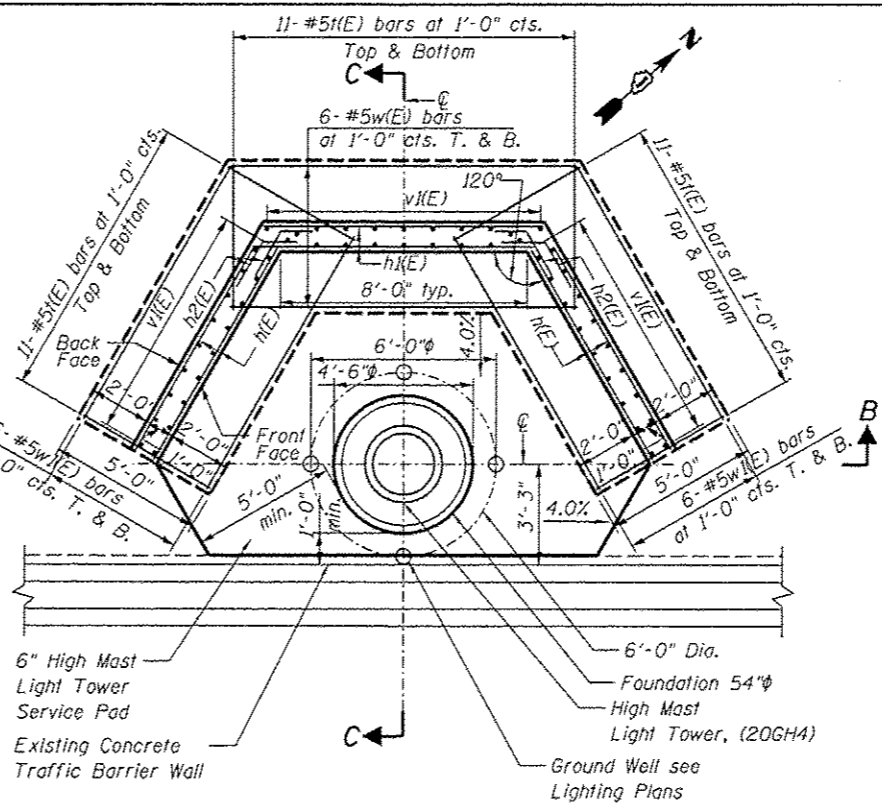
**LIGHT TOWER,
FOUNDATION REMOVAL
SECTION B-B**

NOTES:

1. The removal areas to be backfilled with Soil or Granular Material, as per IDOT Standard Specifications, Cost is incidental to Pay Item "Removal of Existing Structures".
2. Coordinate this drawing with Civil & Lighting Plans.

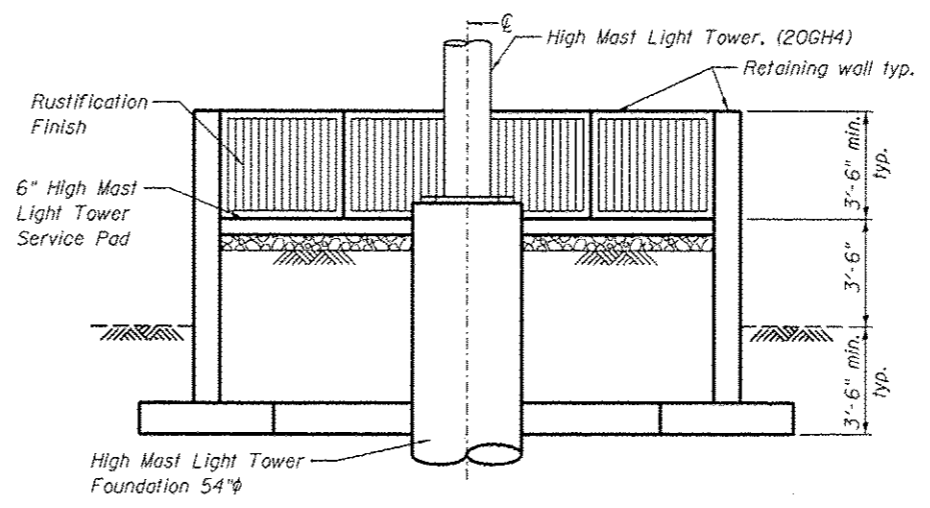


SECTION C-C



LIGHT TOWER SERVICE PAD (20GH4)

PLAN



SECTION B-B

Reinforcement omitted for clarity

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Welded Wire Reinforcement	Sq. Yd.	15
Structure Excavation	Cu. Yd.	29
Concrete Structure	Cu. Yd.	20
Reinforcement Bars, Epoxy Coated	Pound	2,250
*Rustification Finish	Sq. Ft.	63
Protective Coat	Sq. Yd.	30
Sub-base Granular Material, Type B 6"	Sq. Yd.	16

*Quantity for Rustification Finish is for information only. Cost included in Concrete Structure pay item.

BILL OF MATERIAL QUANTITIES SHOWN FOR ONE WALL

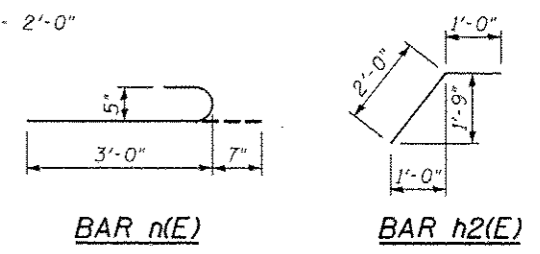
Bar	No.	Size	Length	Shape
n(E)	60	#5	3'-7"	U
l(E)	66	#5	4'-8"	—
w(E)	12	#5	11'-1"	—
w'l(E)	24	#5	9'-4"	—
h(E)	20	#5	8'-10"	—
h2(E)	40	#5	8'-2"	—
v(E)	60	#5	9'-2"	—

LEGEND:

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face

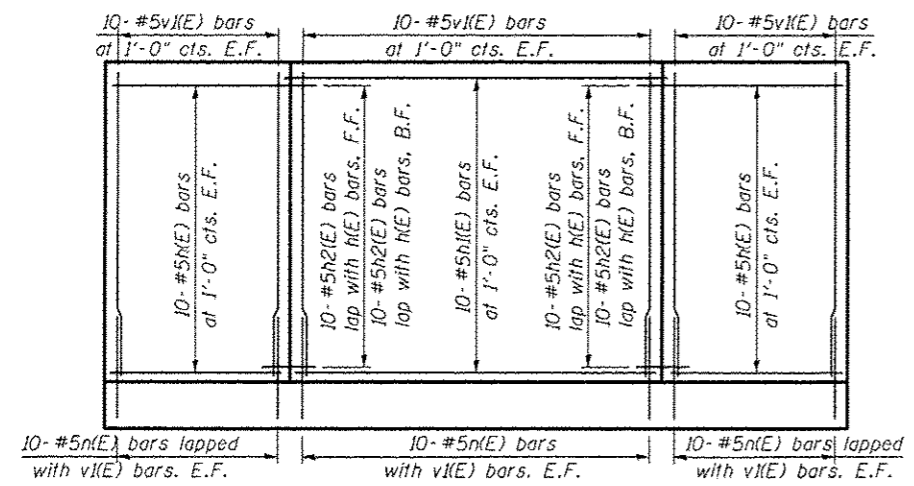
MIN. BAR LAP:

#5 bars - 2'-0"



BAR n(E)

BAR h2(E)



INSIDE ELEVATION OF WINGWALLS & BACKWALL

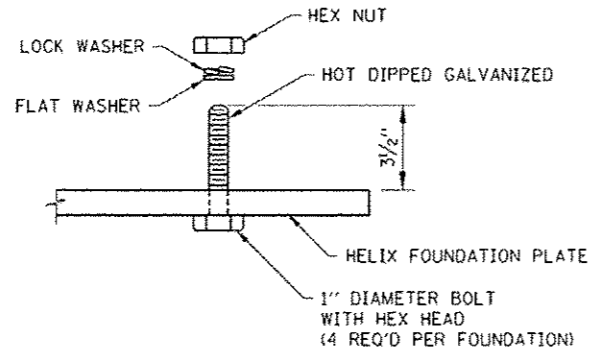
NOTES:

- For location of Light Pole Foundations, see Lighting Plans.
- The Light Tower & Light Tower Foundation shall be paid for separately, for Grading, Fill, Traffic Barrier & Embankment slope, see Civil Plans. Service Pad, Retaining Wall & Reinforcement shall be paid as per Pay Item shown above.
- For Light Tower hand hole orientation, see Lighting Plans.
- Reinforcement Bars designated (E) shall be epoxy coated.
- The Concrete compressive strength shall be $f'c = 3,500$ psi. The Reinforcement steel grade shall be $f_y = 60,000$ psi. The Welded Wire Fabric grade shall be $f_y = 65,000$ psi.
- Welded Wire Reinforcement shall have minimum area of 0.31 in^2 in each direction.

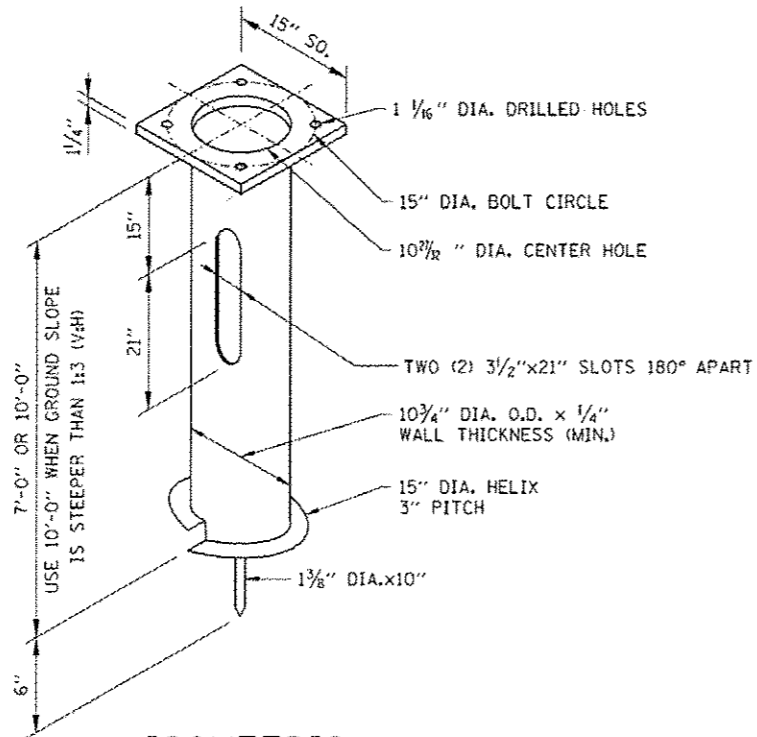
HIGH MAST LIGHT TOWER LOCATION

Light Tower No.	Location		Pad Type	*Pad Elevation
	Station	Offset		
20GH4	See Sheet ELT-13	Match existing	Light Tower Service Pad	614.56' (MSL)

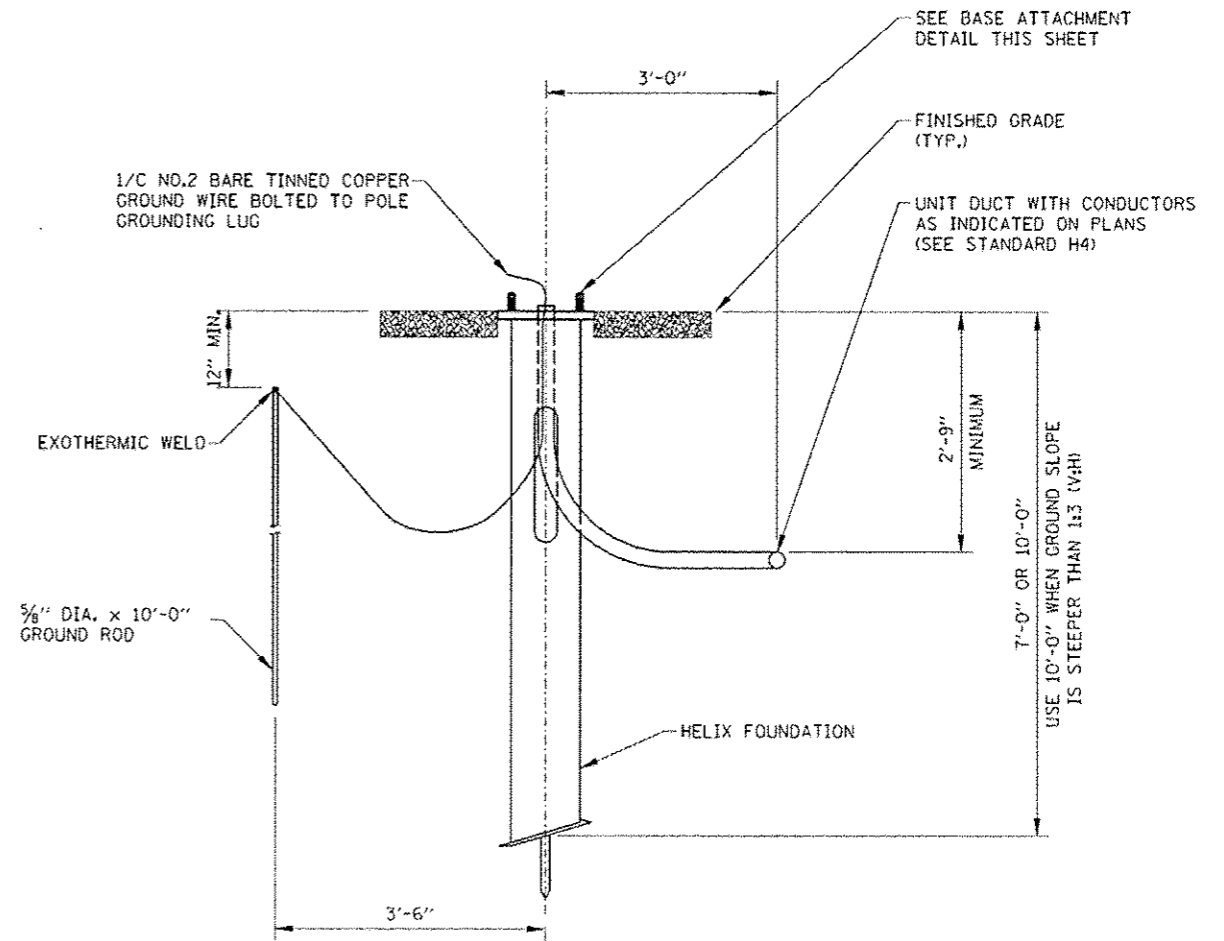
*Pad Elevations must be verified prior to Construction



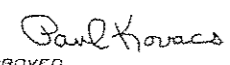
BASE ATTACHMENT DETAIL



ISOMETRIC



ELEVATION


 APPROVED CHIEF ENGINEER DATE 2-7-2012

**LIGHT STANDARD FOUNDATION DETAILS - HELIX
(GROUND MOUNTED UNITS)**

NOTES:
 SEE SHEET 1 OF THIS SERIES FOR NOTES.

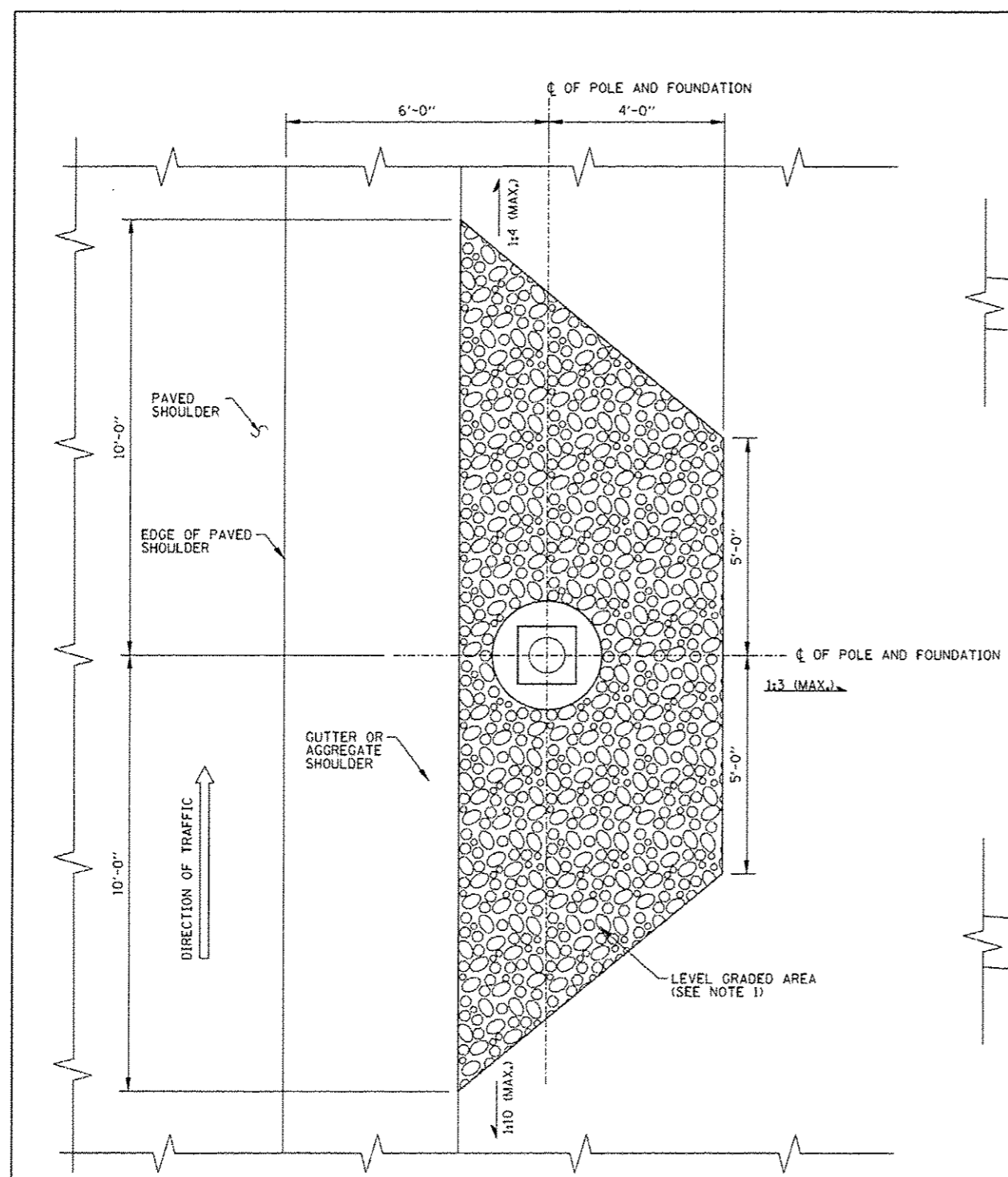
SHEET 2 OF 9



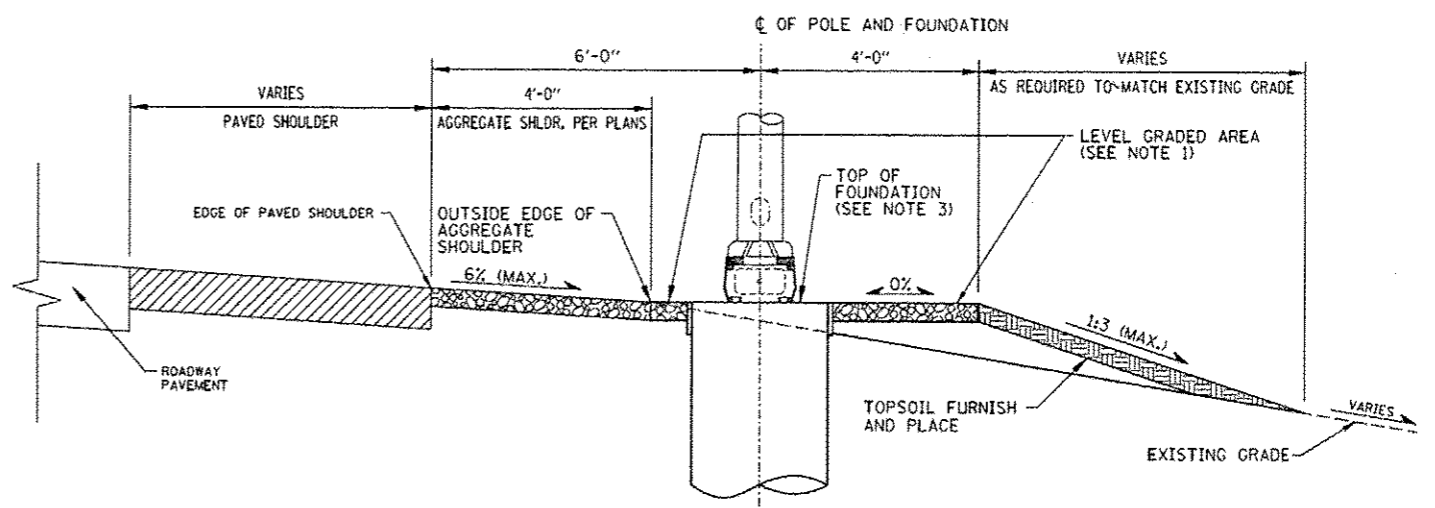
LIGHT STANDARD
 FOUNDATION
 STANDARD H1-05

USER NAME = *USER*	DESIGNED - HM	REVISED -
PLOT SCALE = *SCALE*	DRAWN - GJ	REVISED -
PLOT DATE = 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

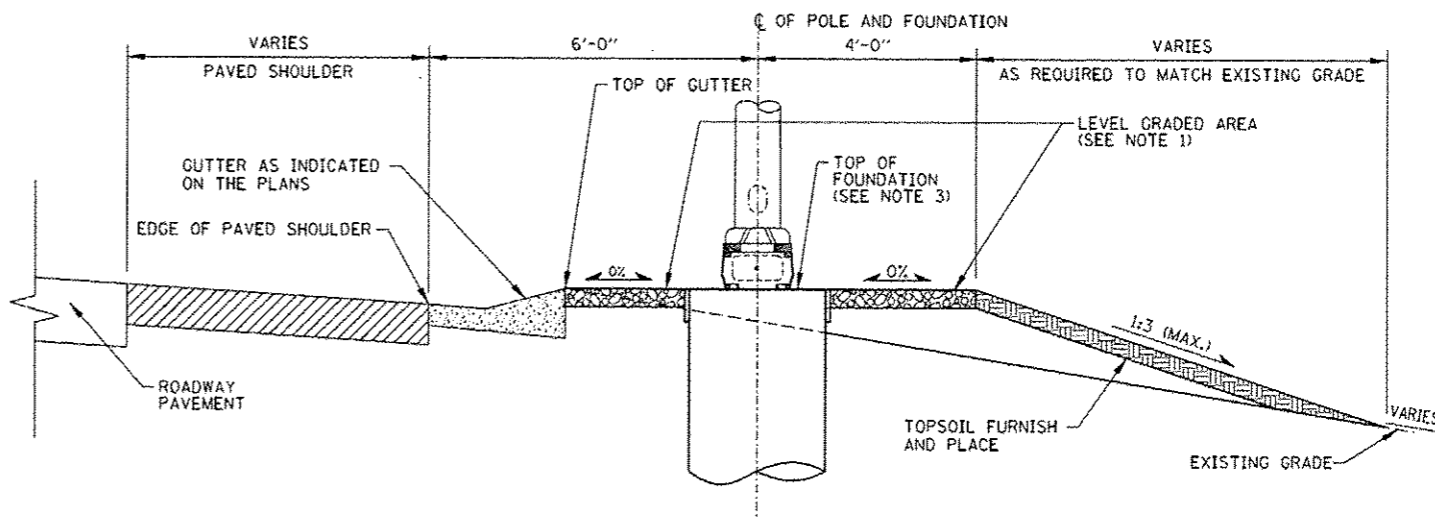
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L		B4	73A
			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				



PLAN



LIGHT STANDARD FOUNDATION
ADJACENT TO AGGREGATE SHOULDER



LIGHT STANDARD FOUNDATION
ADJACENT TO GUTTER

Paul Kovacs
APPROVED... CHIEF ENGINEER... DATE 2-7-2012

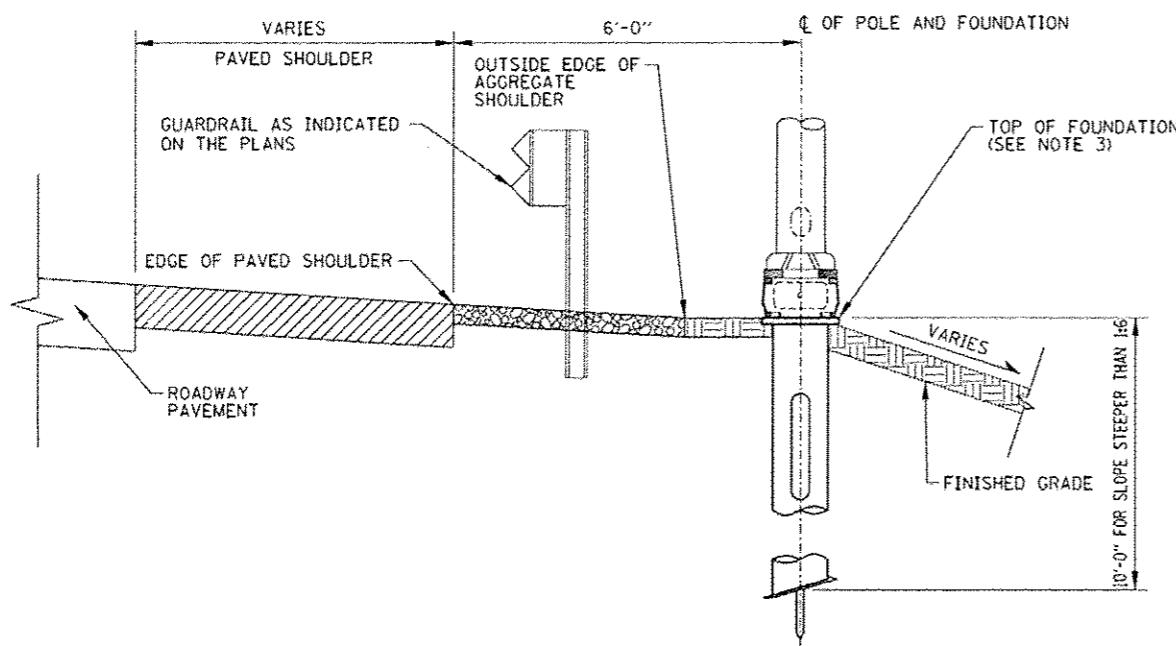
LIGHT STANDARD FOUNDATION DETAILS - GRADING W/ FORESLOPE
(GROUND MOUNTED UNITS)

NOTE:
SEE SHEET 1 OF THIS SERIES FOR NOTES.

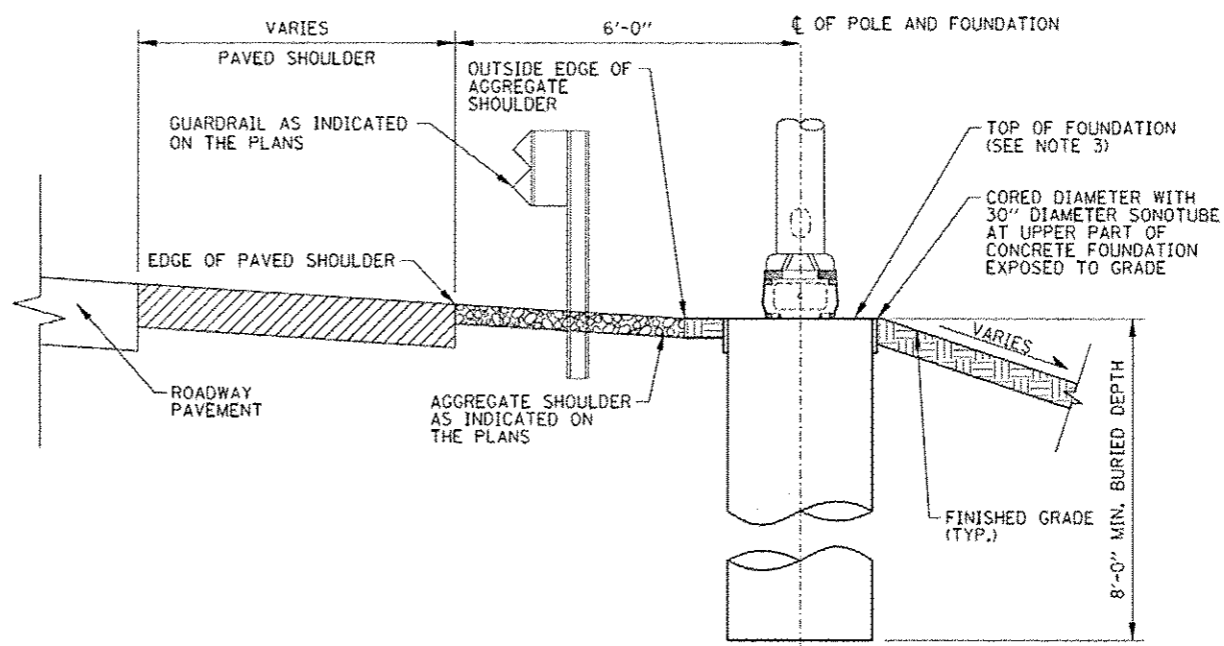
SHEET 7 OF 9

LIGHT STANDARD FOUNDATION
STANDARD HI-05

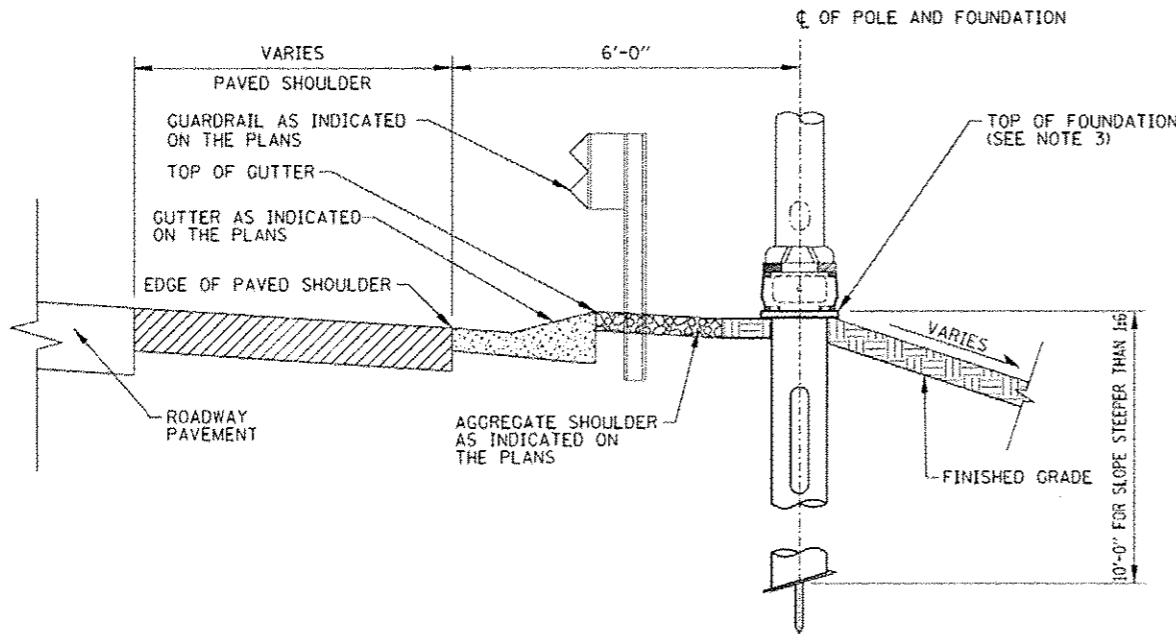
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PLOT SCALE = #SCALE#	DRAWN - GJ	REVISED -
PLOT DATE = 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK



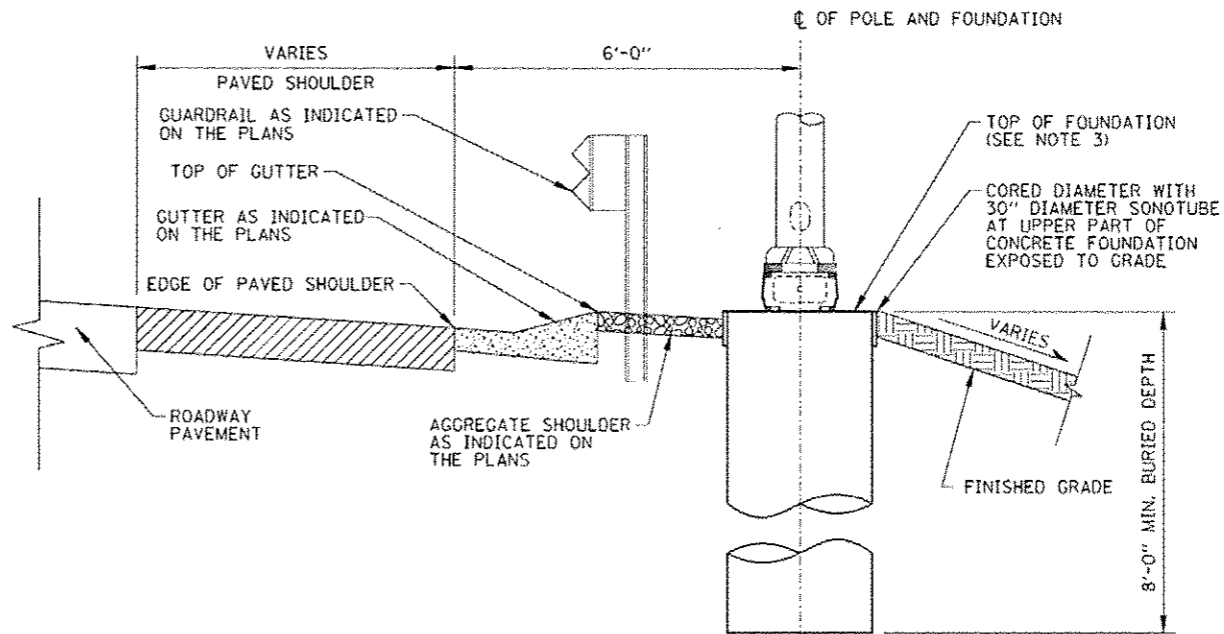
**LIGHT STANDARD FOUNDATION - HELIX
ADJACENT TO AGGREGATE SHOULDER**



**LIGHT STANDARD FOUNDATION - CONCRETE
ADJACENT TO AGGREGATE SHOULDER**



**LIGHT STANDARD FOUNDATION - HELIX
ADJACENT TO GUTTER**



**LIGHT STANDARD FOUNDATION - CONCRETE
ADJACENT TO GUTTER**

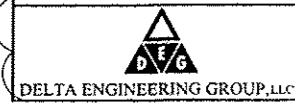
**LIGHT STANDARD FOUNDATION DETAILS - ADJACENT TO GUARDRAIL
(GROUND MOUNTED UNITS)**

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE 2-7-2012

NOTE:
SEE SHEET 1 OF THIS SERIES FOR NOTES.

SHEET 9 OF 9

LIGHT STANDARD FOUNDATION
STANDARD HI-05



USER NAME = #USCR#	DESIGNED - HM	REVISED -
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PLOT DATE = 10/17/2010	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

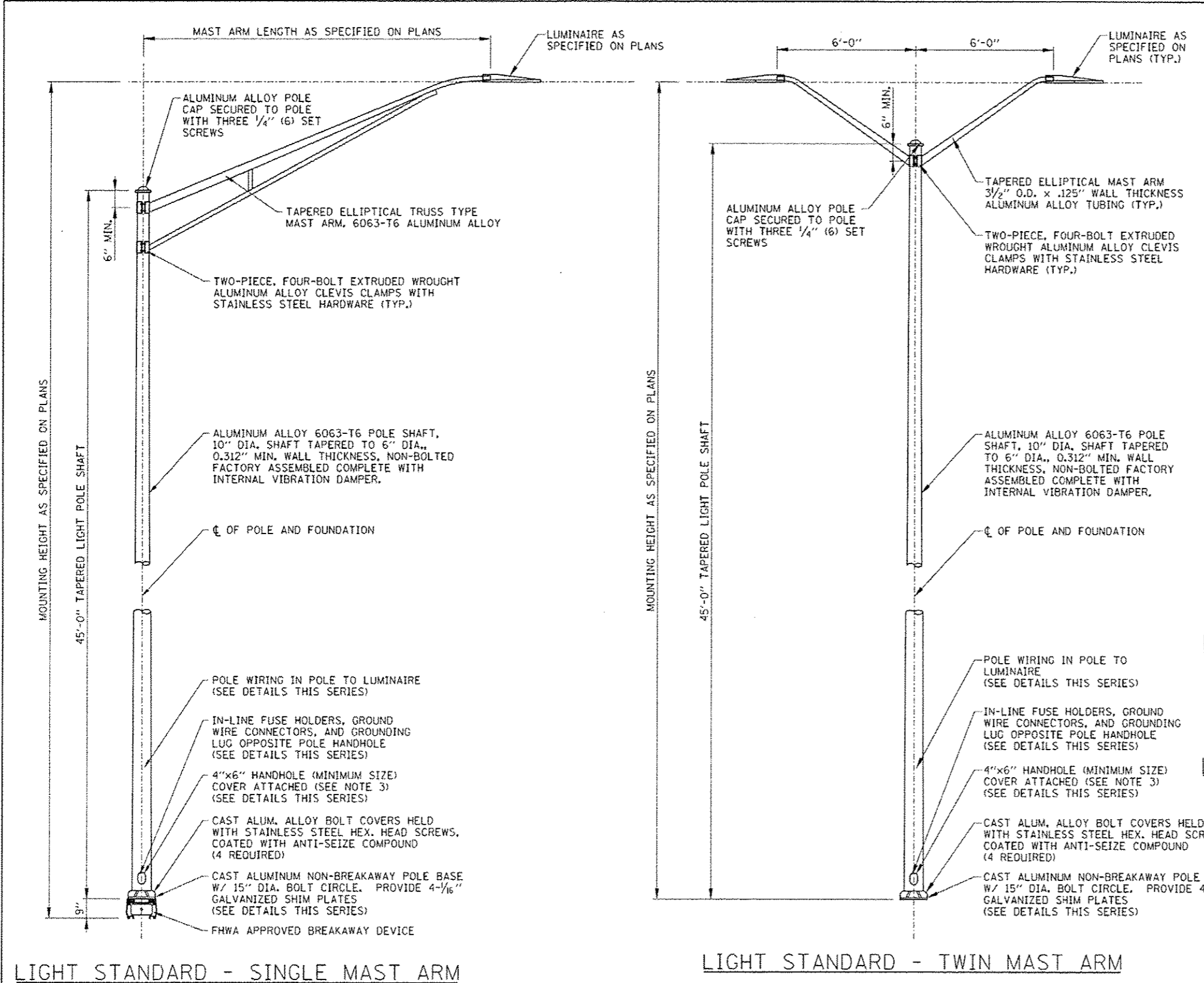
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT STANDARD DETAIL	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

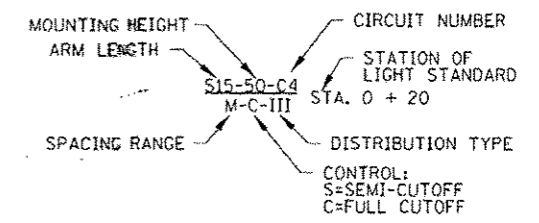
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L		84	73C
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A9B	

SHEET ADDED

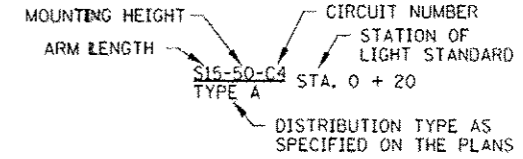
SD-18



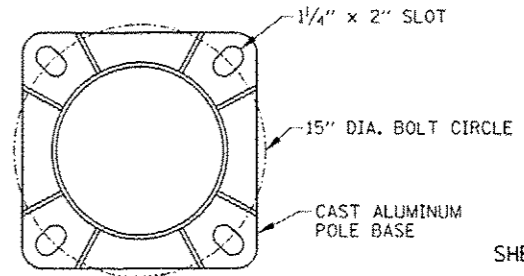
- NOTES:**
1. ALL LIGHT STANDARDS, BOTH NEW AND EXISTING, ARE SHOWN ON PLANS WITH THE SAMPLE DESCRIPTIONS SHOWN ON THIS SHEET.
 2. FOR FOUNDATION DETAILS SEE STANDARD H1 OR FOR STRUCTURAL PARAPET FOUNDATION DETAILS, SEE STRUCTURAL PLANS.
 3. HANDHOLE COVERS SHALL BE FASTENED USING TWO STAINLESS STEEL SCREWS WITH CAPTIVE STAINLESS STEEL NUTS OR INSERTS, PER ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATION SECTION 1069.
 4. PROVIDE A 24" LONG POLYETHYLENE TUBE TO PROTECT CABLES WHERE THEY PASS THROUGH THE GROMMETED OPENING AT THE POLE/MAST ARM JUNCTION.
 5. ALL GROUND MOUNTED LIGHT POLES SHALL BE PROVIDED WITH AN ACCEPTED FHWA BREAKAWAY BASE OR DEVICE PER THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS SECTION 1070.
 6. EACH BRIDGE MOUNTED LIGHT STANDARD SHALL BE PROVIDED WITH SHOCK ABSORBING VIBRATION PADS, NUTS, WASHERS, LEVELING PLATE AND WIRE MESH FOR ITS ERECTION ON THE FOUNDATION AS SHOWN ON THE PLANS.
 7. LIGHT STANDARD WIRING DETAIL FOR INSTALLATION WITH CONCRETE FOUNDATION SHOWN. DETAIL FOR INSTALLATION WITH HELIX FOUNDATION IS SIMILAR.
 8. LIGHT STANDARD WIRING DETAILS SHOWN FOR TWIN MAST ARM (2 LUMINAIRES PER POLE) INSTALLATIONS. SINGLE MAST ARM (1 LUMINAIRE PER POLE) INSTALLATIONS SHALL OMIT TWO (2) IN-LINE FUSE HOLDERS, ONE SURGE PROTECTION DEVICE AND ASSOCIATED WIRING.
 9. CONDUCTORS EXTENDED INTO LIGHT POLE BASE SHALL BE OF SUFFICIENT LENGTH TO WITHDRAW SPLICES AND/OR INSULATED JOINTS A MINIMUM 18" OUT OF THE POLE HANDHOLE.
 10. ALL CONDUCTORS ORIGINATING IN POLE SHALL BE A 1/C NO. 10 AWG UNLESS OTHERWISE NOTED.
 11. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.



LIGHT STANDARD DESCRIPTION - HPS LUMINAIRES



LIGHT STANDARD DESCRIPTION - LED LUMINAIRES



SHEET 1 OF 3

LIGHT STANDARD - SINGLE MAST ARM

LIGHT STANDARD - TWIN MAST ARM

POLE BASE

APPROVED: *Paul Kovacs*
 CHIEF ENGINEER DATE 2-7-2012

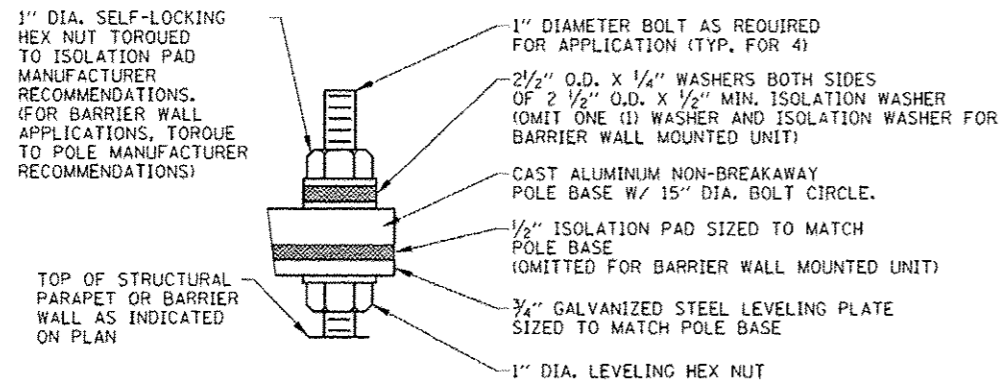
LIGHT STANDARD DETAILS

DATE	REVISIONS
02-07-12	REVISED LIGHT POLE HANDHOLE NOTES, REMOVED CABLE VOLTAGE, AND REVISED NOTES.
03-31-14	REVISED WIRING DIAGRAM.
3-11-2015	REVISED LIGHT STANDARD POLE WIRING DETAILS.
3-31-2016	REVISED BARRIER WALL UNIT MOUNTING DETAILS.

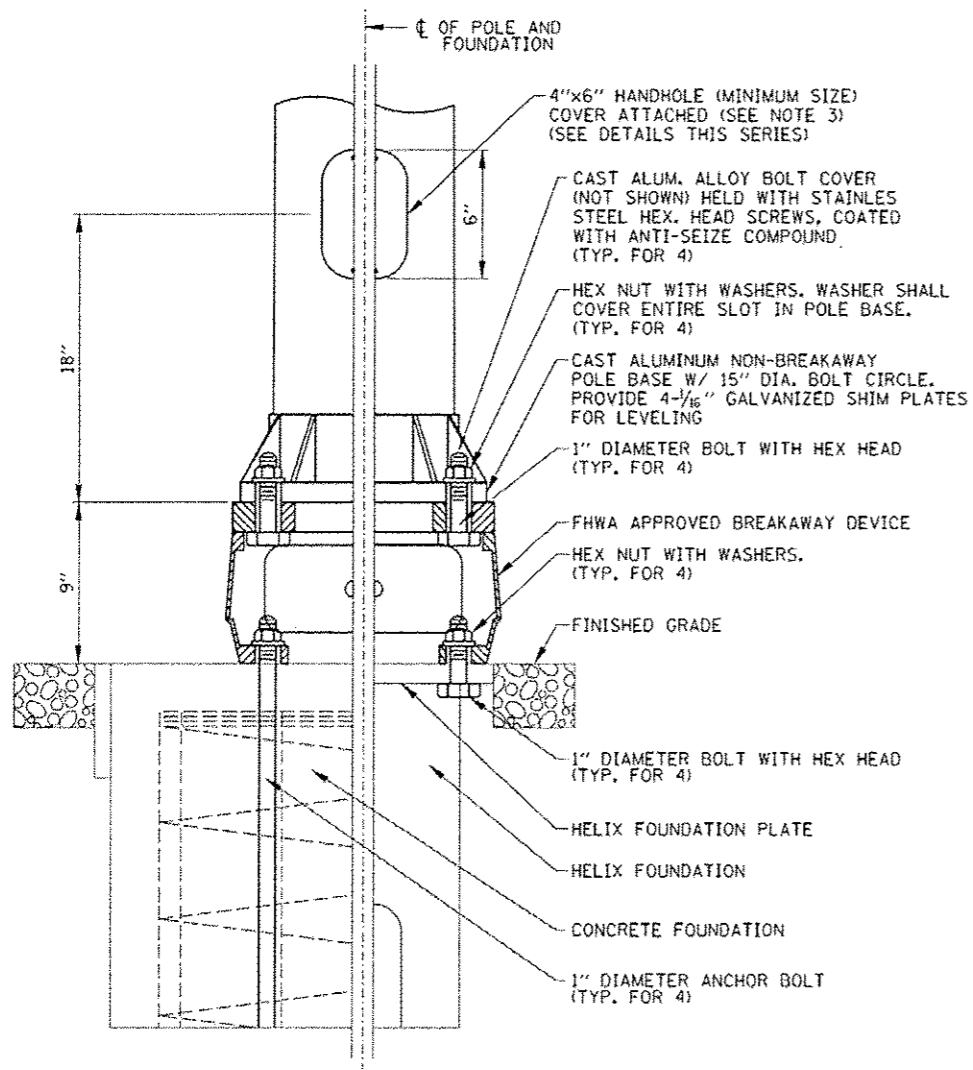
Illinois Tollway

LIGHT STANDARD DETAILS

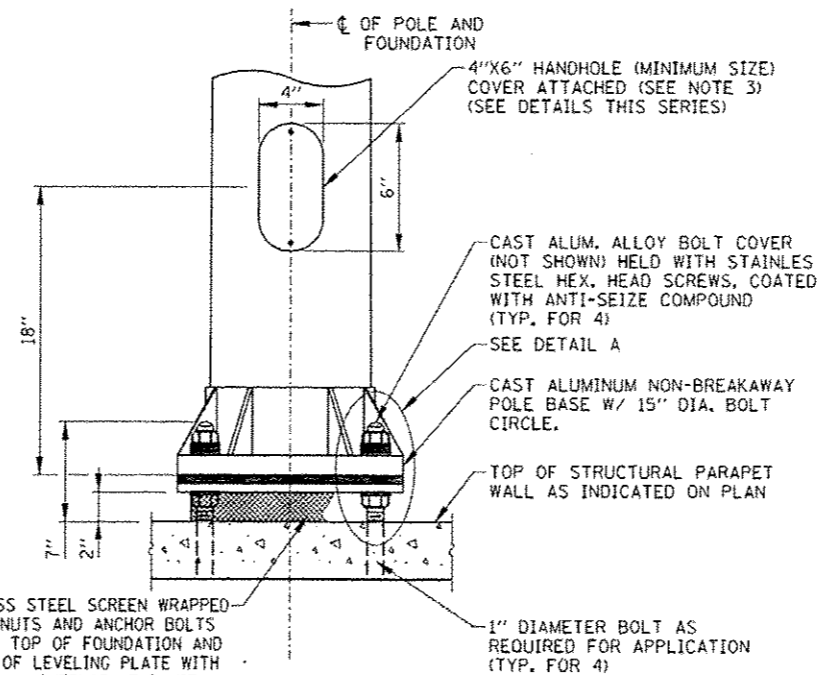
STANDARD H2-04



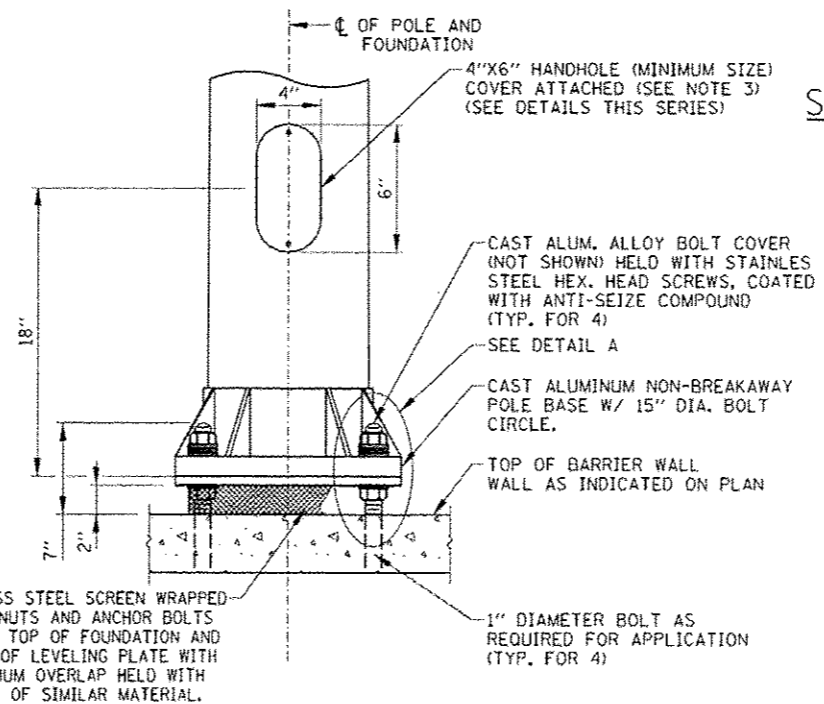
DETAIL A



LIGHT STANDARD MOUNTING DETAIL (GROUND MOUNTED UNITS)

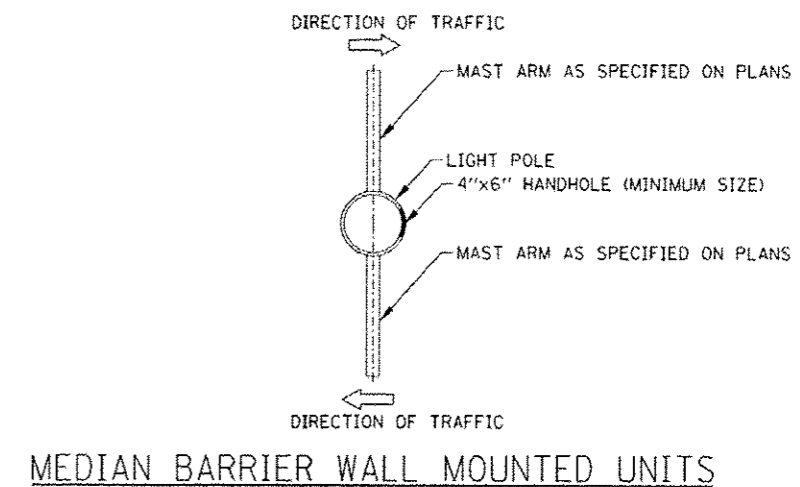


LIGHT STANDARD MOUNTING DETAIL (STRUCTURAL PARAPET WALL MOUNTED UNITS)

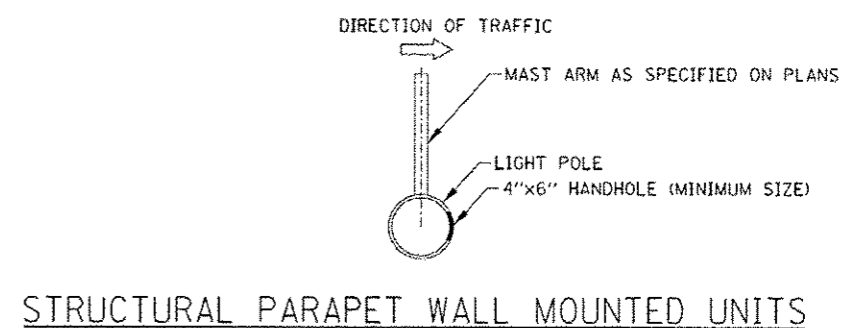


LIGHT STANDARD MOUNTING DETAIL (BARRIER WALL MOUNTED UNITS)

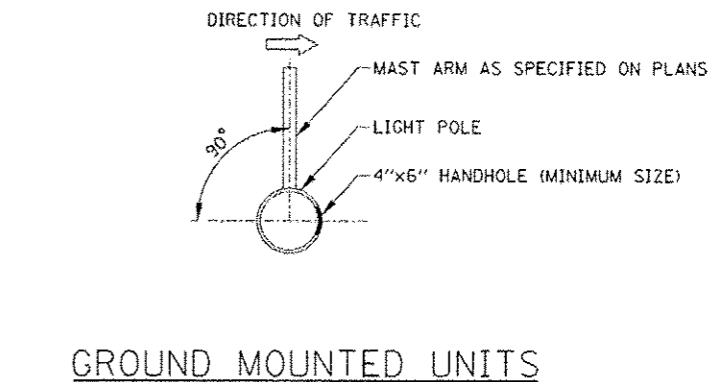
LIGHT STANDARD MOUNTING DETAILS



MEDIAN BARRIER WALL MOUNTED UNITS



STRUCTURAL PARAPET WALL MOUNTED UNITS



GROUND MOUNTED UNITS

LIGHT STANDARD HANDHOLE ORIENTATION DETAIL

SHEET 2 OF 3

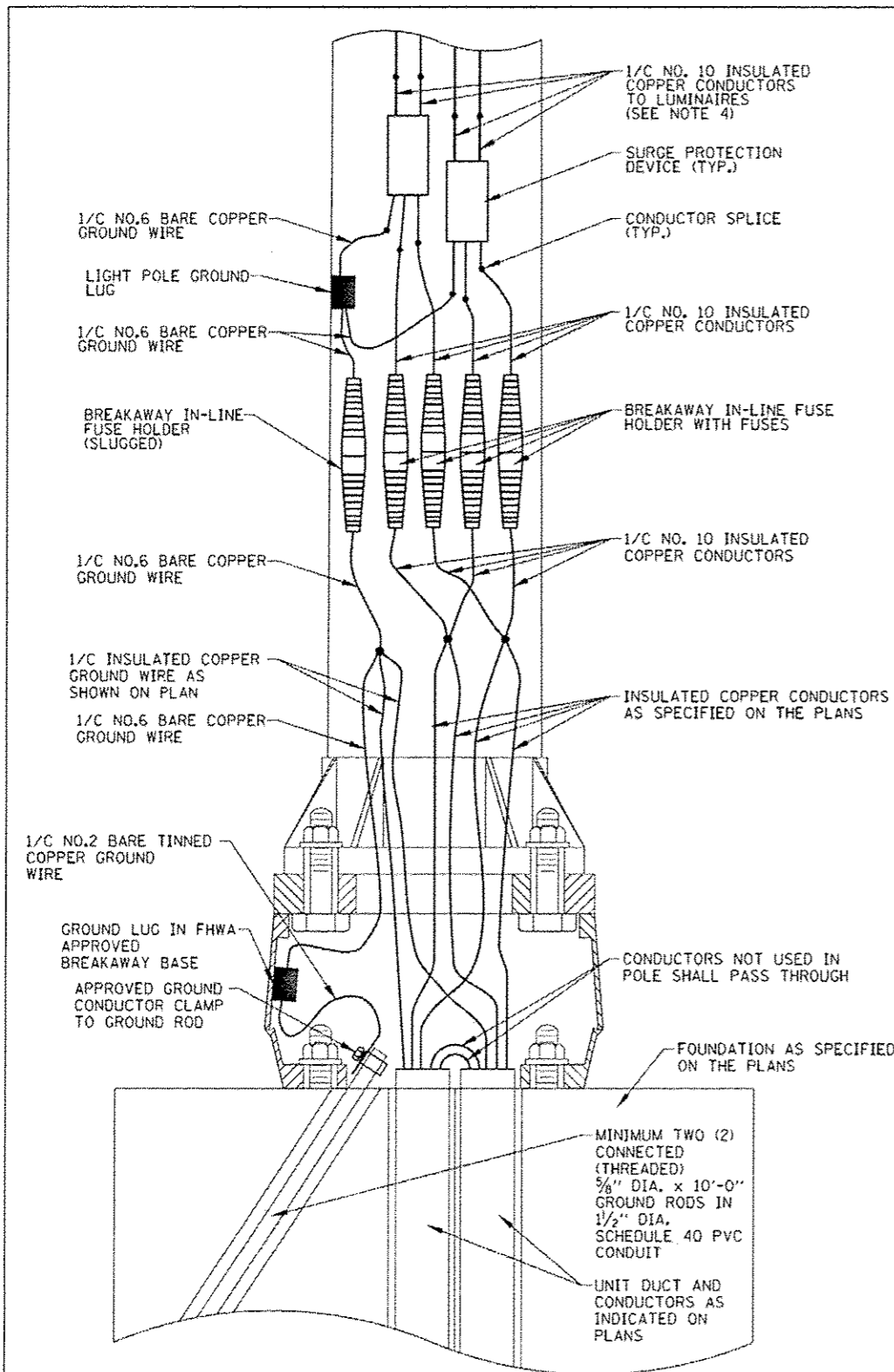


LIGHT STANDARD DETAILS

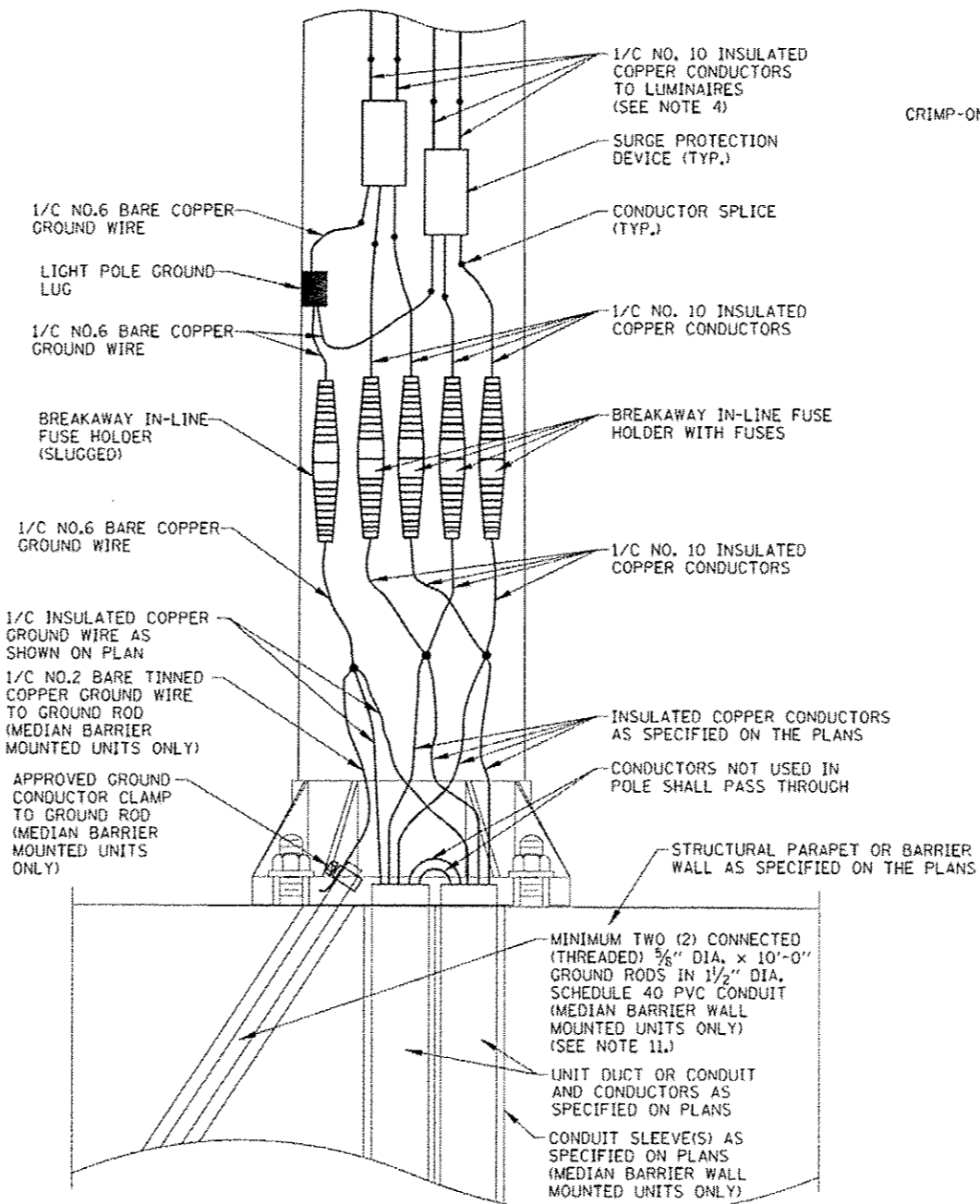
STANDARD H2-04

NOTE: SEE SHEET 1 OF THIS SERIES FOR NOTES.

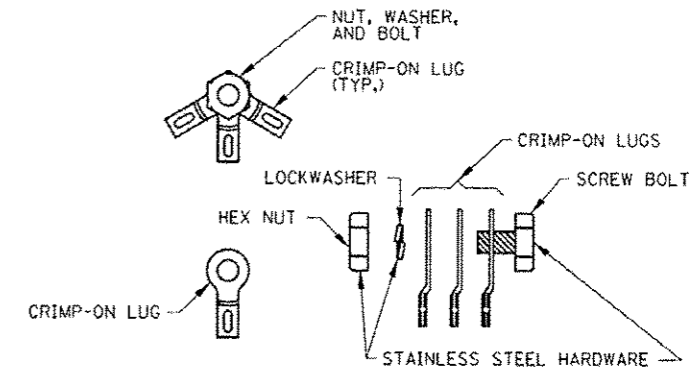
APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE 2-7-2012



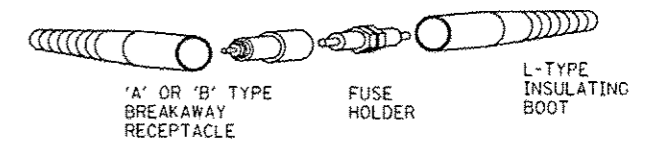
LIGHT STANDARD WIRING DETAIL
(GROUND MOUNTED UNITS)
 (SEE NOTES 7 & 8)



LIGHT STANDARD WIRING DETAIL
(STRUCTURAL AND BARRIER WALL MOUNTED UNITS)



CONDUCTOR SPLICE DETAIL



IN-LINE FUSE HOLDER WITH BREAKAWAY FEATURE DETAIL

SHEET 3 OF 3



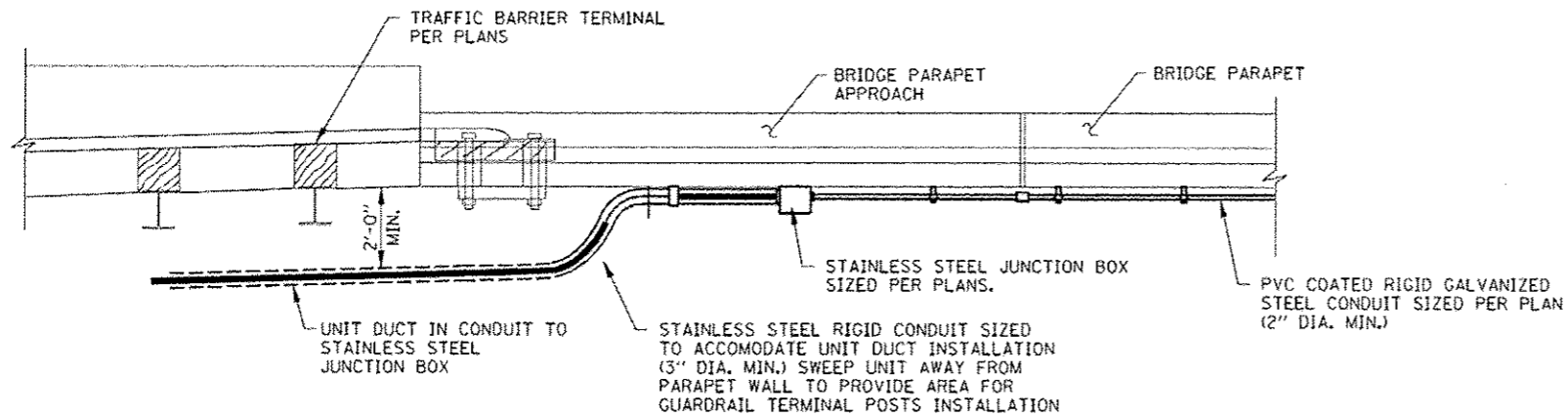
LIGHT STANDARD DETAILS

STANDARD H2-04

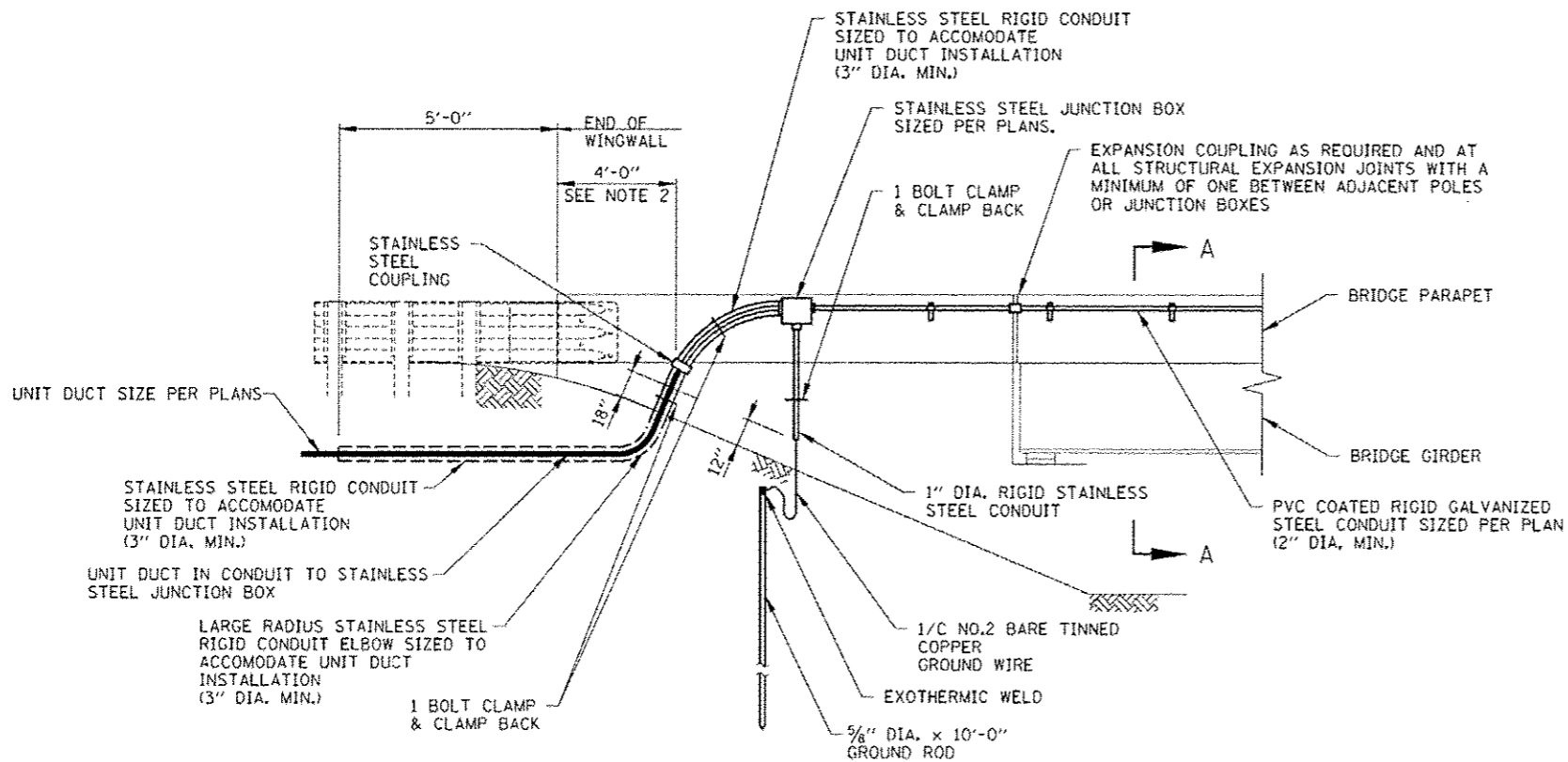
NOTE:
 SEE SHEET 1 OF THIS SERIES FOR NOTES.

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE: 2-7-2012

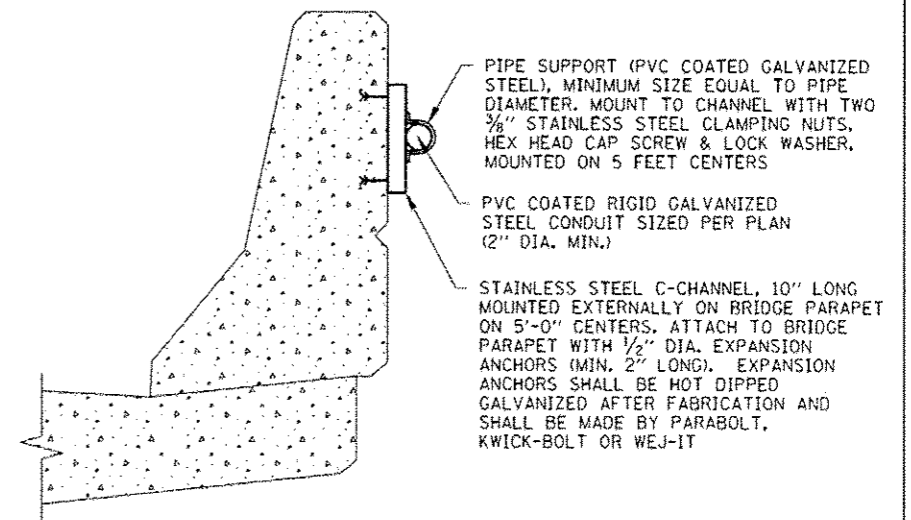
LIGHT STANDARD WIRING DETAILS



PLAN VIEW



ELEVATION OF TYPICAL WINGWALL CONDUIT TRANSITION



SECTION A-A

CONDUIT ATTACHED TO BRIDGE PARAPET

SHEET 4 OF 4



BRIDGE CONDUIT DETAILS

STANDARD H3-03

NOTE:
SEE SHEET 1 OF THIS SERIES FOR NOTES.

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE: 2-7-2012



USER NAME = #USER#	DESIGNED - HM	REVISED -
PLLOT SCALE = #SCALE#	DRAWN - GJ	REVISED -
PLLOT DATE = 10/17/2016	CHECKED - HS	REVISED -
	DATE - 08-11-2016	REVISED - 09-29-16 KK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT STANDARD DETAIL

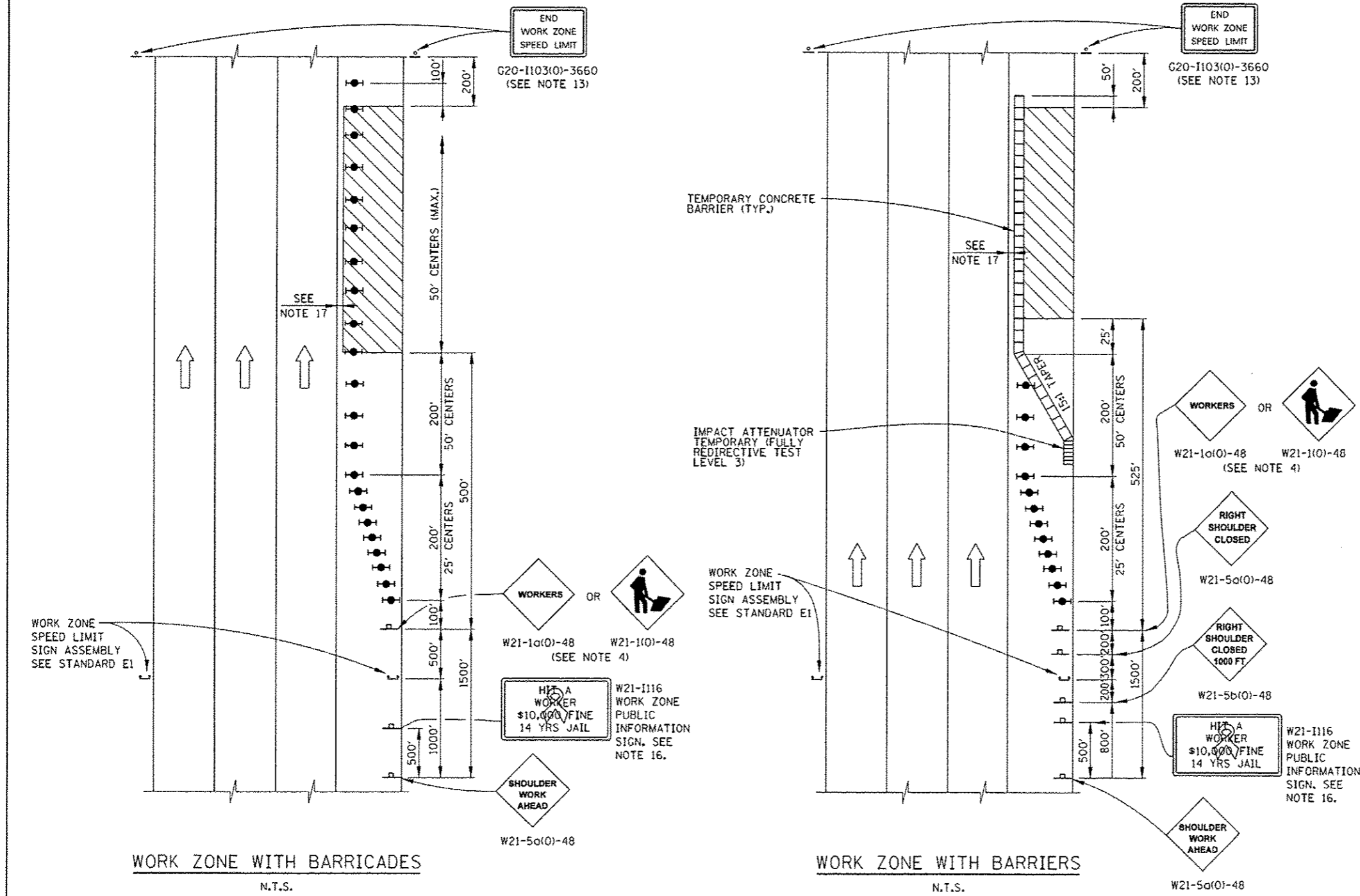
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-039L		84	736
SCALE: NONE SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62A98	
ILLINOIS FED. AID PROJECT				

SD-22

SHEET ADDED

GENERAL NOTES:

1. THE SHOULDER SHALL BE CLOSED WHEN A WORK ACTIVITY REQUIRING 15 OR MORE MINUTES IS PERFORMED AT A DISTANCE WHICH IS LESS THAN 15 FEET BUT NO CLOSER THAN 2 FEET FROM THE EDGE OF PAVEMENT.
2. THE ADJACENT EXTERIOR LANE SHALL BE CLOSED WHEN WORK IS PERFORMED WITHIN 2 FEET FROM THE EDGE OF PAVEMENT.
3. THE CHANNELIZING DEVICES WHICH SEPARATE THE WORK SPACE FROM THE ADJACENT TRAVEL LANE SHALL BE SPACED AT 25' FOR (200 FEET) AND AT A MAXIMUM OF 50' FOR ALL ADDITIONAL DEVICES.
4. WHEN THE WORKSITE IS UNATTENDED, SUBSTITUTE - "SHOULDER WORK AHEAD" SIGN FOR THE SECOND SIGN.
5. WORKER SIGNS OR SHOULDER WORK SIGNS AND CHANNELIZATION DEVICES ARE PLACED ONLY ON THE SIDE OF THE ROADWAY ON WHICH THE ACTIVITY IS PERFORMED.
6. FOR SHOULDER CLOSURE EXTENDING OVERNIGHT, BARRICADE TYPE II WITH STEADY BURNING LIGHT, TYPE C SHALL BE USED.
7. FOR SHORT TERM CLOSURE (SUNRISE TO ONE HOUR BEFORE SUNSET) NOT EXTENDING INTO DARKNESS, CONES MAY BE USED.
8. ONE WORK ZONE SPEED LIMIT SIGN ASSEMBLY SHALL BE PLACED AT A DISTANCE OF 500' TO 2,500' MAXIMUM IN ADVANCE OF WORKERS THROUGHOUT THE SHOULDER CLOSURE. MOVING OPERATIONS MAY REQUIRE CONTINUOUS ADJUSTMENT OF THE SIGN ASSEMBLY LOCATION TO MAINTAIN THE ABOVE INTERVAL.
9. AN ADDITIONAL SIGN ASSEMBLY SHALL BE PLACED 500' BEYOND THE LAST ENTRANCE RAMP FOR EACH INTERCHANGE THAT FALLS WITHIN THE 2,500'.
10. THE SIGN ASSEMBLY SHALL BE PLACED NO CLOSER THAN 500' TO ANY OTHER SIGN.
11. THE WORK ZONE SPEED LIMIT SIGNS AND SIGN ASSEMBLY SHALL BE PROMPTLY REMOVED OR COVERED WHEN SHOULDER CLOSURE IS NOT IN USE.
12. ALL CONFLICTING SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED.
13. "END WORK ZONE SPEED LIMIT" SIGNS SHALL BE IN PLACE ONLY WHEN THE EXISTING POSTED SPEED > 55MPH.
14. FOR SHOULDER REPAIRS OR REPLACEMENT THE CHANNELIZING DEVICES SHALL BE PLACED AT THE EDGE OF PAVEMENT WHENEVER THE WORK ACTIVITIES RESULT IN A DROPOFF AT THE EDGE OF PAVEMENT.
15. ANY UNATTENDED OBSTACLE OR EXCAVATION LEFT ON THE SHOULDER OVERNIGHT SHALL BE IN COMPLIANCE WITH THE ROADWAY TRAFFIC CONTROL AND COMMUNICATIONS MANUAL.
16. THE WORK ZONE PUBLIC INFORMATION SIGN IS 60" WIDE BY 48" HIGH. THE CONTRACTOR SHALL OBTAIN THE CAMERA-READY ARTWORK REQUIRED FOR THE SIGN MESSAGE BY CONTACTING IDOT'S CENTRAL BUREAU OF OPERATIONS.
17. A 1'-0" MINIMUM/2'-0" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL DEVICE.



WORK ZONE WITH BARRICADES
N.T.S.

WORK ZONE WITH BARRIERS
N.T.S.

SYMBOLS

- ▨ WORK AREA
- ⊥ SIGN
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

APPROVED: *Paul Kovacs* CHIEF ENGINEER DATE: 5-1-2009

DATE	REVISIONS
1-01-11	CHANGED SYMBOL DESIGNATION
	REVISED NOTES
3-31-14	REVISED WORKER SIGN NUMBERS PER "MUTCO" AND REVISED NOTES.
3-11-2015	REVISED NOTES.
3-31-2016	ADD WORK ZONE WITH BARRIERS.

Illinois Tollway

SHOULDER CLOSURE DETAILS

STANDARD E3-05



USER NAME = melanosj	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 10/17/2016	CHECKED -	REVISED -
	DATE = 08/04/16	REVISED = 09/29/16 SM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS TOLLWAY
SHOULDER CLOSURE DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-039L		84	78A
			CONTRACT NO. 62A98	
[ILLINOIS] FED. AID PROJECT				

CM-6

SHEET ADDED