

F SHEETS

EX 0 SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN VILLAGE OF POSEN AND THE CITY OF MAHOMET

AFFIC DATA:

DATE 57:	T (2030)	DESIGN SPEED	POST-MILE SPEED
NORTHBOUND	7,130	60 MPH	55 MPH
SOUTHBOUND	4,880	60 MPH	55 MPH

DESCRIPTION

THE PROPOSED IMPROVEMENT INCLUDES REMOVAL OF S.N. 016-1096 & S.N. 016-1097 AND REPLACEMENT WITH A NEW BRIDGE (S.N. 016-1251) AT I-57 OVER I-294. NEW CONSTRUCTION OF AN I-57 OVER FUTURE RAMP B BRIDGE (S.N. 016-1252), PAVEMENT WIDENING, MEDIAN RECONSTRUCTION, AND PARTIAL RESURFACING ALONG I-57.

DESIGN DESIGNATION

21 (30) Interstate

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

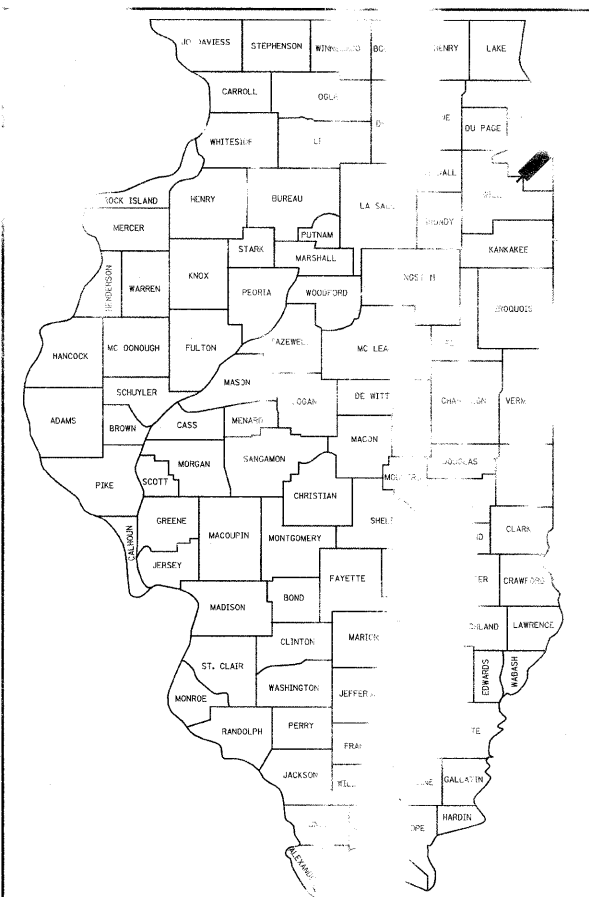
PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 57 (INTERSTATE 57) OVER I-294 (TRI-STATE TOLLWAY) SECTION 1414.2B

BRIDGE CONSTRUCTION AND RECONSTRUCTION AND ROADWAY PAVEMENT WIDENING AND MEDIAN RECONSTRUCTION COOK COUNTY

C-91-217-10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	1
FED. ROAD DIST. NO.			TRACT NO.	60J2
			* 516 + 21 = 537	
			* +14 = 551	



LOCATION OF SECTION INDICATED THUS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 15, 2010

Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7, 2010
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

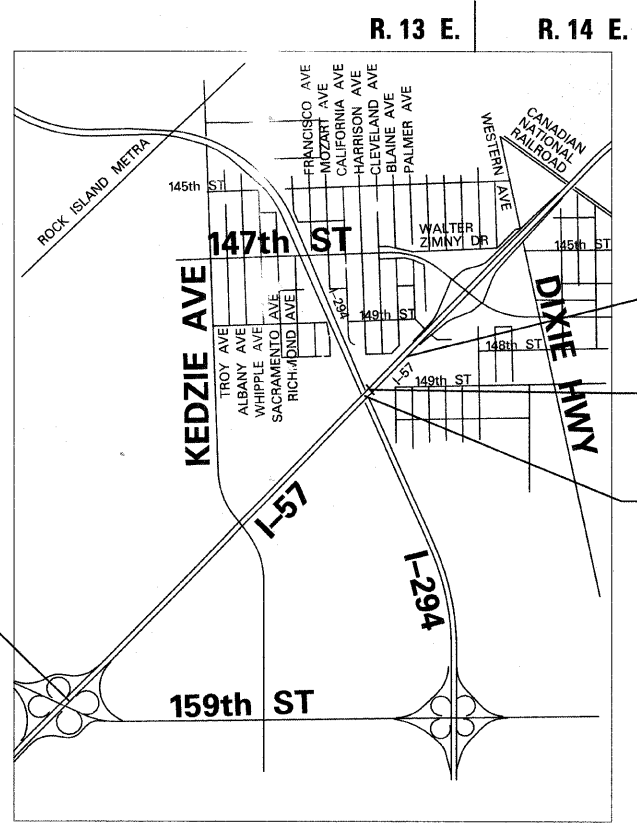
May 7, 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

Theodore E. Hamilton
SIGNED
Theodore E. Hamilton, P.E. Ill. Lic. No. 082-049.
Expires 11-30-2010.

Date 3/15/10

For drawings 128 thru 161
180 thru 190

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F.A.I. 57 PROJECT LIMIT STA. 1173 + 27.66 (I-57 CENTERLINE)

F.A.I. 57 PROJECT LIMIT STA. 1270 + 85.24 (I-57 CENTERLINE)

S.N. 016-1252

S.N. 016-1251

JOEL P. MARSHALL
62-054958
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

Signed Joel P. Marshall
Date 3/12/2010

Ill. Lic. No. 02-054958
Expires 11-30-2010.

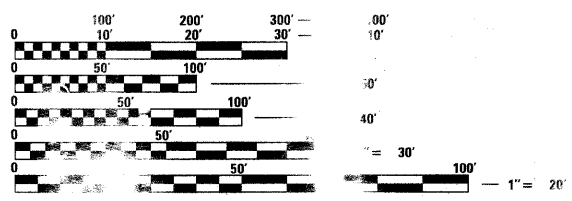
EXCLUDES
128 thru 171
174 thru 190
246 thru 275

STATE OF ILLINOIS
SPIROS PANTAZIS
081-006448
LICENSED PROFESSIONAL ENGINEER
CHICAGO, ILLINOIS

Signed Spiros Pantazis
Date 3/12/2010

Ill. Lic. No. 081-006448
Expires 11-30-2010.

For drawings 128 thru 161
180 thru 190



FULL SIZE ENGINEERING PLANS WILL NOT CONFORM ON REDUCED SCALES. REDUCED SCALES WILL NOT BE USED. USING STANDARD PLANS WILL NOT BE USED. MAKING MEASUREMENTS MAY BE USED.

JULIE JOHNSON UTIL INFORMATION FOR EXCAVATION 1-800-892-XXXX

PROJECT MANAGER: HELMUT PAZON (847) 705-4523

CONTRACT NO. 60J27

LOCATION MAP

GROSS LENGTH OF PROJECT = 9757.64 FT. = 1.85 MI. NET LENGTH OF PROJECT = 9757.64 FT. = 1.85 MI.

TYLIN INTERNATIONAL
200 SOUTH WACKER DRIVE, SUITE 1400
CHICAGO, ILLINOIS 60606
TEL: 312-777-2900 FAX: 312-777-2305

Rev. 5-27-10

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353001-04	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-07	PAVEMENT JOINTS
420101-04	7.2m (24') JOINTED PCC PAVEMENT
420111-02	PCC PAVEMENT ROUNDOUTS
420206-08	ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
420306-06	EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
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601001-03	SUB-SURFACE DRAINS
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701406-05	LANE CLOSURE, FREEWAY/EXPRESSWAY DAY OPERATIONS ONLY
701411-06	LANE CLOSURE MULTILANE AT ENTRANCE RAMP OR EXIT RAMP FOR SPEEDS >= 45 MPH
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813001	JUNCTION BOXES
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TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT			F.A.I. R.T.E. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - DM	REVISED -		INDEX OF SHEETS AND INDEX OF STATE STANDARDS	57	1414.2B	COOK	516	2		
	PLOT DATE =	CHECKED - JPM	REVISED -		SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60J27			
		DATE - 3/18/2010	REVISED -						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

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CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 100% STATE				STRUCTURAL	
				1-57	LIGHTING	SIGNING	SAFETY	SN016-1251 X271-2A	SN016-1252 X271-2A
				JO00-2A	Y030-1E	Y002-1C	Y032-1F		
50500505	STUD SHEAR CONNECTORS	EACH	42966					33201	9765
50800105	REINFORCEMENT BARS	POUND	380,550	386,030		520			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1012890					715040	297850
50800515	BAR SPLICERS	EACH	938					542	396
51100100	SLOPE WALL 4 INCH	SQ YD	1142	42				1100	
51201600	FURNISHING STEEL PILES HP12X53	FOOT	10,403					12,689	3,774
51202305	DRIVING PILES	FOOT	27,964	11,501				12,689	3,774
51203600	TEST PILE STEEL HP12X53	EACH	6					4	2
51204650	PILE SHOES	EACH	927	448				375	104
51500100	NAME PLATES	EACH	2					1	1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	816.0					431.0	385.0
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	93					62	31
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	31					31	
52100520	ANCHOR BOLTS, 1"	EACH	372					248	124
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1					
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2					
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2					
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	5	5					
54215547	METAL END SECTIONS 12"	EACH	4	4					
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	17	17					
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	7	7					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	1934	1934					
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	2727	2727					
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	849	849					
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	2426	2426					
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	1220	1220					
550A0600	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	130	130					
550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	828	828					
550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	395	395					
550A1010	STORM SEWERS, CLASS A, TYPE 4 24"	FOOT	76	76					
550B0320	STORM SEWERS, CLASS B, TYPE 2 8"	FOOT	105	105					
55100500	STORM SEWER REMOVAL 12"	FOOT	640	640					
55100700	STORM SEWER REMOVAL 15"	FOOT	160	160					

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 6	
	PLOT SCALE =	CHECKED - JDF	REVISED -		SCALE: NTS	SHEET NO. 3 OF 9 SHEETS	STA.	TO STA.	CONTRACT NO. 60J27				
	PLOT DATE =	DATE - 3/18/2010	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN -				100% STATE	
				I-57 J000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	SAFETY Y032-1F	STRUCTURAL	
								SNO16-1251 X271-2A	SNO16-1252 X271-2A
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1					
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2					
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1					
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	2	2					
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1					
63200310	GUARDRAIL REMOVAL	FOOT	12,051	12,051					
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	75	75					
63301215	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	525	525					
63700155	CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT	FOOT	201	201					
63700900	CONCRETE BARRIER BASE	FOOT	524	524					
63801200	MODULAR GLARE SCREEN SYSTEM	FOOT	1780	1780					
64200105	SHOULDER RUMBLE STRIPS	FOOT	39594	39594					
66400305	CHAIN LINK FENCE, 6'	FOOT	2468	2468					
66400510	CHAIN LINK FENCE, 10'	FOOT	122	122					
66410300	CHAIN LINK FENCE REMOVAL	FOOT	1872	1872					
66410400	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	389	389					
67100100	MOBILIZATION	L SUM	1	1					
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	80	80					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	21,170	21,170					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	80,432	80,432					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	25,190	25,190					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	28150	28150					
* 72100100	SIGN PANEL OVERLAY	SQ FT	65			65			
72400600	RELOCATE SIGN PANEL ASSEMBLY- TYPE B	EACH	2			2			
72400720	RELOCATE SIGN PANEL- TYPE 2	SQ FT	52			52			
72400730	RELOCATE SIGN PANEL- TYPE 3	SQ FT	515			515			
* 72700100	STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY	POUND	5580			5580			
* 73000100	WOOD SIGN SUPPORT	FOOT	125			125			
* 73400100	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	11			11			
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1			1			
* 73700100	REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	4			4			
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2			2			
* 73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	4			4			
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	21,597	21,597					
* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	5,697	5,697					

Rev. 5-27-10

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 8
	PLOT SCALE =	DRAWN - CAC	REVISED -		SCALE: NTS	SHEET NO. 5 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 60J27				
	PLOT DATE =	CHECKED - JDF	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 100% STATE				STRUCTURAL	
				I-57 J000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	SAFETY Y032-1F	SN016-1251 X271-2A	SN016-1252 X271-2A
78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	2654	2654					
78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	2892	2892					
78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	3122	3122					
78008220	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 5"	FOOT	781	781					
* 78008240	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	FOOT	3347	3347					
78008250	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	FOOT	1122	1122					
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	540	540					
78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	46	46					
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	378	378					
* 78100300	REPLACEMENT REFLECTOR	EACH	1049	1049					
* 78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	2520	2520					
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	32	32					
78300100	PAVEMENT MARKING REMOVAL	SQ FT	24,197	24,197					
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	242			242			
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	87			87			
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	1620			1620			
J1013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	870			870			
81025600	CONDUIT ENCASED, REINFORCED CONCRETE, 4" DIA., PVC 2 WIDE X 1 HIGH	FOOT	7764			7764			
81025700	CONDUIT ENCASED, REINFORCED CONCRETE, 4" DIA., PVC 3 WIDE X 1 HIGH	FOOT	1577			1577			
81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	420		420				
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	20		20				
81101000	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	878			878			
* 81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	919		247	672			
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1232			1232			
81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	7880		284	7596			
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	14		14				
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1		1				
* 81300555	JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	4		4				
81304200	JUNCTION BOX EMBEDDED IN STRUCTURE 12" X 12" X 8"	EACH	8			8			
81300810	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 8"	EACH	3			3			
81400200	HEAVY-DUTY HANDHOLE	EACH	29			29			
* 81403203	UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND (EPR-TYPE RHW), 1 1/2" DIA., POLYETHYLENE	FOOT	3437		3437				
81700335	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C NO. 6	FOOT	2551			2551			
81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	1116			1116			
81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2482		2482				

*SPECIALTY ITEMS

Rev. 5-27-10

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 9
	PLOT SCALE =	DRAWN - CAC	REVISED -		SCALE: NTS	SHEET NO. 6 OF 9 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 60J27		
	PLOT DATE =	CHECKED - JDF	REVISED -									
		DATE - 3/18/2010	REVISED -									

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN -				100% STATE	
				I-57 J000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	SAFETY Y032-1F	STRUCTURAL	
								SNO16-1251 X271-2A	SNO16-1252 X271-2A
* 81900200	TRENCH BACKFILL FOR ELECTRICAL WORK	FOOT	31,675		3390		28285		
* 82107300	UNDERPASS LUMINAIRE, 150 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	2		2				
* X0326971	LIGHT POLE FOUNDATION (ROADWAY) MEDIAN, TYPE 1	EACH	1		1				
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2		2				
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	22	10	12				
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	12		12				
* 87200400	SPAN WIRE	FOOT	30198				30198		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1697				1697		
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	6				6		
* 87900200	DRILL EXISTING HANDHOLE	EACH	9				9		
* 89502380	REMOVE EXISTING HANDHOLE	EACH	17				17		
66410002	CHAIN LINK GATES, 10' X 8' DOUBLE	EACH	2	2					
42101112	LUG SYSTEM COMPLETE 12'	EACH	2	2					
* X8107510	CONDUIT IN TRENCH, 1" DIA., COILABLE NONMETALLIC CONDUIT, SPECIAL	FOOT	99				99		
* X0326965	ELECTRIC CABLE, NO. 19 25 PAIR	FOOT	23303				23303		
X0326966	REMOVAL OF EXISTING STRUCTURES, LUG SYSTEM	SQ YD	689	689					
JT637023	CONCRETE MEDIAN BARRIER TRANSITION, TYPE V-F	FOOT	137	137					
JT213002	CONCRETE GUTTER, TYPE G3	FOOT	166	166					
JT637027	CONCRETE BARRIER, SINGLE FACE, TYPE F, MODIFIED	FOOT	210	210					
X5030225	CONCRETE STRUCTURES (SPECIAL)	CU YD	2594.2	2594.2					
X0326967	REINFORCED CONCRETE DUCT BANK REMOVAL	FOOT	9851				9851		
X5813004	ELECTRICAL CABLE IN CONDUIT, (SRT, XLP TYPE), 3 1/8 NO. 2	FOOT	590		590				
* 81702110	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE) ^{FUSE} 1/2 NO. 10	FOOT	2360		2360				
* JS813003	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	EACH	2		2				
* X0326968	JUNCTION BOX, POLE OR POST MOUNTED	EACH	6				6		
* JS813007	UNIT DUCT, 4-1C NO. 2, 1/2" DIA. ^{FUSE} GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	284		284				
JT213003	PAVEMENT MARKING TAPE (BLACK) 6"	FOOT	30545	30545					
JT213004	PAVEMENT MARKING TAPE (BLACK) 8"	FOOT	22909	22909					
X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	940	940					
* X0301576	COAXIAL CABLE IN CONDUIT	FOOT	1899				1899		
X0300057	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	4	4					
X0320801	DRAINAGE STRUCTURES, TYPE 1 (SPECIAL)	EACH	1	1					
X0320870	BRACED EXCAVATION	CU YD	1196				1196		
* X0322247	MAINTENANCE OF EXISTING TRAFFIC SURVEILLANCE	L SUM	1				1		

*SPECIALTY ITEMS

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN - CAC	REVISED -		SCALE: NTS	SHEET NO. 7 OF 9 SHEETS	STA.	TO STA.	57	1414.2B	COOK	516	10
	PLOT DATE =	CHECKED - JDF	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J27					
	DATE - 3/18/2010	REVISED -											

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 100% STATE					STRUCTURAL	
				I-57 J000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	SAFETY Y032-1F	SNO16-1251 X271-2A	SNO16-1252 X271-2A	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	126	126						
X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	2000	2000						
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	3	3						
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	3						
* X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	318			318				
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1						
X0323651	REMOVE AND REINSTALL EXISTING LIGHTING UNIT	EACH	12		12					
* X0323670	PREFORMED DETECTOR LOOP	FOOT	387			387				
X0323830	DRAINAGE SCUPPERS, DS11	EACH	24				18	6		
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	11082				4262	6820		
* X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	26		26					
X0324387	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	11		11					
X0324752	STORM SEWER TO BE FILLED	CU YD	115	115						
* X0324866	REMOVE AND REINSTALL SURVEILLANCE CABINET	EACH	1			1				
X0712400	TEMPORARY PAVEMENT	SQ YD	2995	2995						
X0326391	EXPANDED POLYSTYRENE FILL	CU YD	705	705						
X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	170,640	170,640						
X0325840	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	534	534						
X0325876	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	4109	4109						
X0326107	WET REFLECTIVE TEMPORARY TAPE TYPE III, 5 INCH	FOOT	16,669	16,669						
* X0326133	TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	44			44				
X0326382	CONCRETE BARRIER BASE (SPECIAL)	FOOT	8133	8133						
* XX007994	FIBER OPTIC SPLICE	EACH	28			28				
X0326520	TEMPORARY THRIE BEAM STEEL PLATE GUARD RAIL, TYPE D REMOVAL (SPECIAL)	FOOT	60	60						
X0326527	TEMPORARY THRIE BEAM STEEL PLATE GUARD RAIL, TYPE D (SPECIAL)	FOOT	60	60						
X0326595	FLEXIBLE LIQUID TIGHT STAINLESS STEEL CONDUIT, 1/2" DIAMETER, 6 FOOT LENGTH	EACH	14		14					
* X0326836	REMOVE AND REINSTALL VIDEO CAMERA AND EQUIPMENT	EACH	2			2				
X4400198	CONCRETE BARRIER REMOVAL (SPECIAL)	FOOT	772	772						
X6020088	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3						
X6370150	CONCRETE BARRIER, VARIABLE CROSS-SECTION, 32" HEIGHT	FOOT	8073	8073						
X6640210	TEMPORARY CHAIN LINK FENCE (PORTABLE)	FOOT	1260	1260						
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	23	23						
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1						
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	399	399						

* Specrally Hens

Rev. 5-27-17

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 11
	PLOT SCALE =	DRAWN - CAC	REVISED -		SCALE: NTS	SHEET NO. 8 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 60J27				
	PLOT DATE =	CHECKED - JDF	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 100% STATE				STRUCTURAL	
				I-57 J000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	SAFETY Y032-1F	SN016-1251 X271-2A	SN016-1252 X271-2A
X7013020	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	GAL BA	399	399					
X7040010	TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	3790	3790					
X8160370	UNIT DUCT, WITH 3 1/4" NO. 4 AND 1/4" NO. 6 GROUND, 600V (EPR TYPE RHW), 1 1/4" DIA., POLYETHYLENE	FOOT	3242		3242				
X8360360	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	2		2				
X8710027	FIBER OPTIC CABLE 4 FIBERS, SINGLE MODE	FOOT	681				681		
X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	41443				41,443		
Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	14415					4860	9555
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	53,113	53,113					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5			0.3	0.2	
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	10	10					
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	9	9					
Z0018800	DRAINAGE SYSTEM	L SUM	1				0.80	0.20	
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	6	6					
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	13	13					
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	14	14					
Z0076600	TRAINERS	HOOR	0						
48300600	PORTLAND CEMENT CONCRETE SHOULDERS 11"	SQ YD	1064	1064					
48203049	HOT-MIX ASPHALT SHOULDERS, 13"	SQ YD	20,567	20,567					
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2					
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	4	4					
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	1	1					
X0301892	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2	2					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	28,325	28,325					
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	2	2					
550A5500	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	FOOT	916	916					
X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	1				1		
X0322442	TONE EQUIPMENT - 3 FREQUENCY RECEIVER PROGRAMMABLE	EACH	4				4		
X0322443	TONE EQUIPMENT - 3 FREQUENCY TRANSMITTER PROGRAMMABLE	EACH	4				4		
51201800	FURNISHING STEEL PILES HP 14 X 73	FOOT	11,501	11,501					
51203800	TEST PILE HP 14 X 73	EACH	2	2					

(SOQ Cont.)

Code No.	Item Description	Unit	URBAN 100% STATE TOTAL QUANTITY	I-57 J000-2A	Lighting Y030-1E
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	37,549	37,549	
*78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	10,281	10,281	
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	4,020	4,020	
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,314	2,314	
X0326405	TEMPORARY FENCE (PRAIRIE PROTECTION)	FOOT	6,220	6,220	
*50200400	ROCK EXCAVATION FOR STRUCTURES	CY YD	34		34
*82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2		2
*82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	40		40
*83050810	LIGHT POLE, ALUMINUM, 47.5 FT M.H., 15FT. MAST ARM	EACH	2		2
*83504700	LIGHT TOWER, 120 FT. MOUNTING HEIGHT, LUMINAIRE MT-12	EACH	7		7
*83505700	LIGHT TOWER, 130 FT. MOUNTING HEIGHT, LUMINAIRE MT-12	EACH	1		1
*83700250	LIGHT TOWER FOUNDATION, 44" DIAMETER	FOOT	170		170
*83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	30		30
*X0322434	LIGHT TOWER, SERVICE PAD, SPECIAL	EACH	8		8
*X0325132	SHAPING AND GRADING AT HIGH MAST LIGHT TOWER	SQ YD	170		170
*8357595	LIGHT POLE, WOOD, 100 FT CLASS 4, WITH 15 FT MAST ARM	EACH	8		8
*84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	12		12
*X8210015	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, 400 WATT	EACH	8		8

SOQ Cont.

* Specialty Items

REV. 5-27-10

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 11A
	PLOT SCALE =	DRAWN - CAC	REVISED -		SCALE: NTS	SHEET NO. 9 OF 9 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 60J27		
	PLOT DATE =	CHECKED - JDF	REVISED -		DATE - 3/18/2010	REVISED -						

CHAIN LINK FENCE REMOVAL

LOCATION DESCRIPTION	ALIGNMENT	FROM		TO		CHAIN LINK FENCE REM (FOOT)
		STATION	OFFSET	STATION	OFFSET	
I-57	I-57	1245+71.3	151.2 RT	1255+44.5	183.0 RT	974
I-57	I-57	1255+76.3	184.1 RT	1256+89.5	80.5 RT	177
I-57	I-57	1257+53.7	75.4 LT	1257+89.7	167.5 LT	99
I-57	I-57	1260+09.3	81.0 LT	1260+47.6	163.9 LT	91
I-57	I-57	1258+92.9	227.2 RT	1259+42.0	78.24 RT	159
I-57	I-57	1262+08.4	193.9 RT	1265+44.5	177.4 RT	337
TOTAL						1837

GUARDRAIL REMOVAL

LOCATION DESCRIPTION	ALIGNMENT	OFFSET DIRECTION	FROM	TO	GUARDRAIL REM (FOOT)
I-57 MEDIAN SOUTH OF BRIDGE	I-57	LT	1173+28.03	1257+24.44	9399
NB I-57 SOUTH OF BRIDGE OUTSIDE SHOULDER	I-57	RT	1242+70.7	1244+34.3	164
NB I-57 SOUTH OF BRIDGE OUTSIDE SHOULDER	I-57	RT	1252+06.4	1256+88.5	483
SB I-57 SOUTH OF BRIDGE OUTSIDE SHOULDER	I-57	LT	1256+51.6	1257+54.4	103
NB I-57 NORTH OF BRIDGE OUTSIDE SHOULDER	I-57	RT	1259+44.7	1260+58.5	114
I-57 MEDIAN NORTH OF BRIDGE	I-57	LT	1259+75.6	1271+05.2	1143
SB I-57 NORTH OF BRIDGE OUTSIDE SHOULDER	I-57	LT	1259+71.0	1262+40.7	270
I-294 NB (S. Leg)	I-294	RT	404+57.77	405+90.72	107
I-294 NB (N. Leg)	I-294	RT	407+59.85	408+33.65	133
I-294 SB (N. Leg)	I-294	LT	404+29.01	405+26.28	39
I-294 SB (S. Leg)	I-294	LT	406+94.54	407+33.49	97
TOTAL					12051

PAVEMENT MARKING REMOVAL

DESCRIPTION	ALIGNMENT	PAVEMENT MARKING REM (SQ YD)
4" PAVEMENT MARKING REMOVAL *	I-57	13421
5" PAVEMENT MARKING REMOVAL *	I-57	4646
8" PAVEMENT MARKING REMOVAL *	I-57	2694
12" PAVEMENT MARKING REMOVAL *	I-57	3436
TOTAL		24197

*PAVEMENT MARKING REMOVAL QUANTITIES MATCH PROPOSED PAVEMENT MARKING QUANTITIES

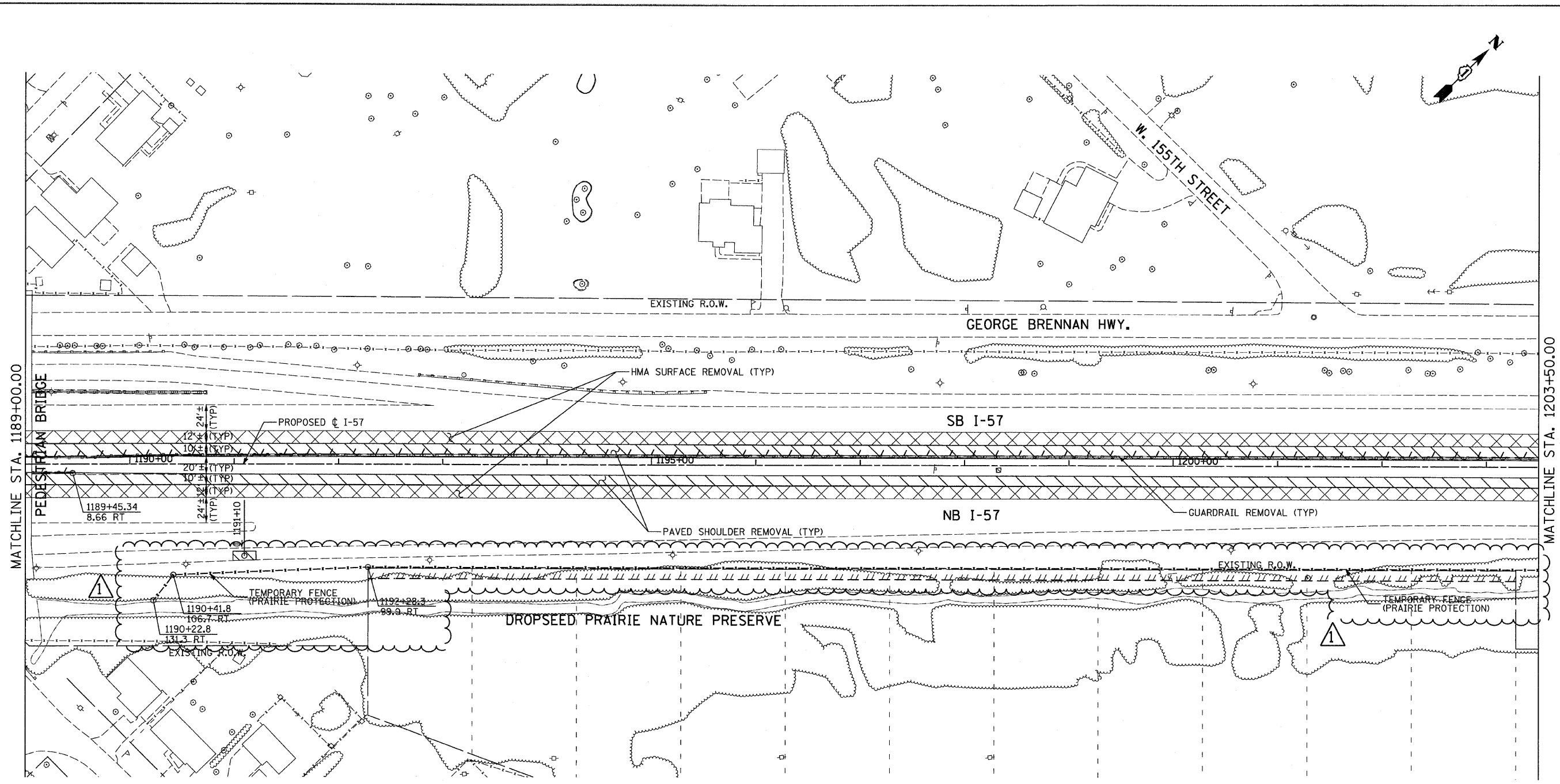
REMOVAL OF EXISTING STRUCTURES, LUG SYSTEM

LOCATION DESCRIPTION	ALIGNMENT	OFFSET DIRECTION	FROM	TO	LUG SYS REM (SQ YD)
SB I-57, North of I-294	I-57	LT	1261+06.5	1262+28.5	488
NB I-57, North of I-294	I-57	RT	1261+44.0	1261+94.0	200
TOTAL					689

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

ALIGNMENT	STATION	OFFSET	TREE REMOVAL (6-15) (UNITS)
I-57	1256+82.13	91.41 LT	9.0
I-57	1257+36.93	107.00 LT	10.0
I-57	1257+36.93	107.00 LT	11.0
I-57	1260+37.06	103.28 LT	10.0
I-57	1260+58.40	148.61 LT	7.0
I-57	1260+58.40	148.61 LT	8.0
I-57	1260+58.40	148.61 LT	8.0
I-57	1260+58.40	148.61 LT	9.0
I-57	1260+61.96	97.73 LT	6.0
I-57	1260+67.78	111.30 LT	8.0
I-57	1260+70.59	95.35 LT	13.0
I-57	1261+14.68	157.08 LT	6.0
I-57	1261+26.38	120.94 LT	8.0
I-57	1261+28.52	147.27 LT	6.0
I-57	1261+41.56	146.00 LT	6.0
I-57	1261+48.20	99.63 LT	8.0
I-57	1261+49.31	134.18 LT	7.0
I-57	1262+18.77	156.43 LT	7.0
TOTAL			147.0




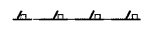
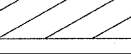


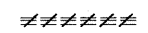

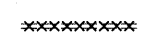

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED - 4/29/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT SCHEDULE OF REMOVAL AND EARTHWORK QUANTITIES	F.A.I. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
	PLOT SCALE =	DRAWN - CAC	REVISED Δ - ADDENDUM 1 05/24/10			57	1414.2B	COOK	516	28
	PLOT DATE =	CHECKED - JDF	REVISED -			CONTRACT NO. 60J27				
		DATE - 3/18/2010	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: NTS		SHEET NO. 2 OF 2 SHEETS		STA. TO STA.						

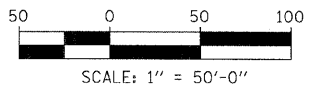
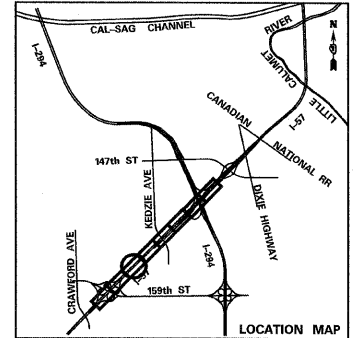


MATCHLINE STA. 1189+00.00

MATCHLINE STA. 1203+50.00

LEGEND:

- | | | | |
|---|---|---|--|
|  | PAVED SHOULDER REMOVAL |  | TREE REMOVAL (ACRES) |
|  | HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SEE PLANS) |  | GUARDRAIL REMOVAL |
|  | PAVEMENT REMOVAL |  | CHAIN LINK FENCE REMOVAL |
|  | BUTT JOINT |  | COMB CONC CURB & GUTTER REMOVAL |
|  | TREE REMOVAL (UNITS) (NO UNIT SHOWN = 6) |  | CONCRETE MEDIAN BARRIER AND BASE REMOVAL |
| | |  | LIMITS OF CONSTRUCTION |



TYLIN INTERNATIONAL

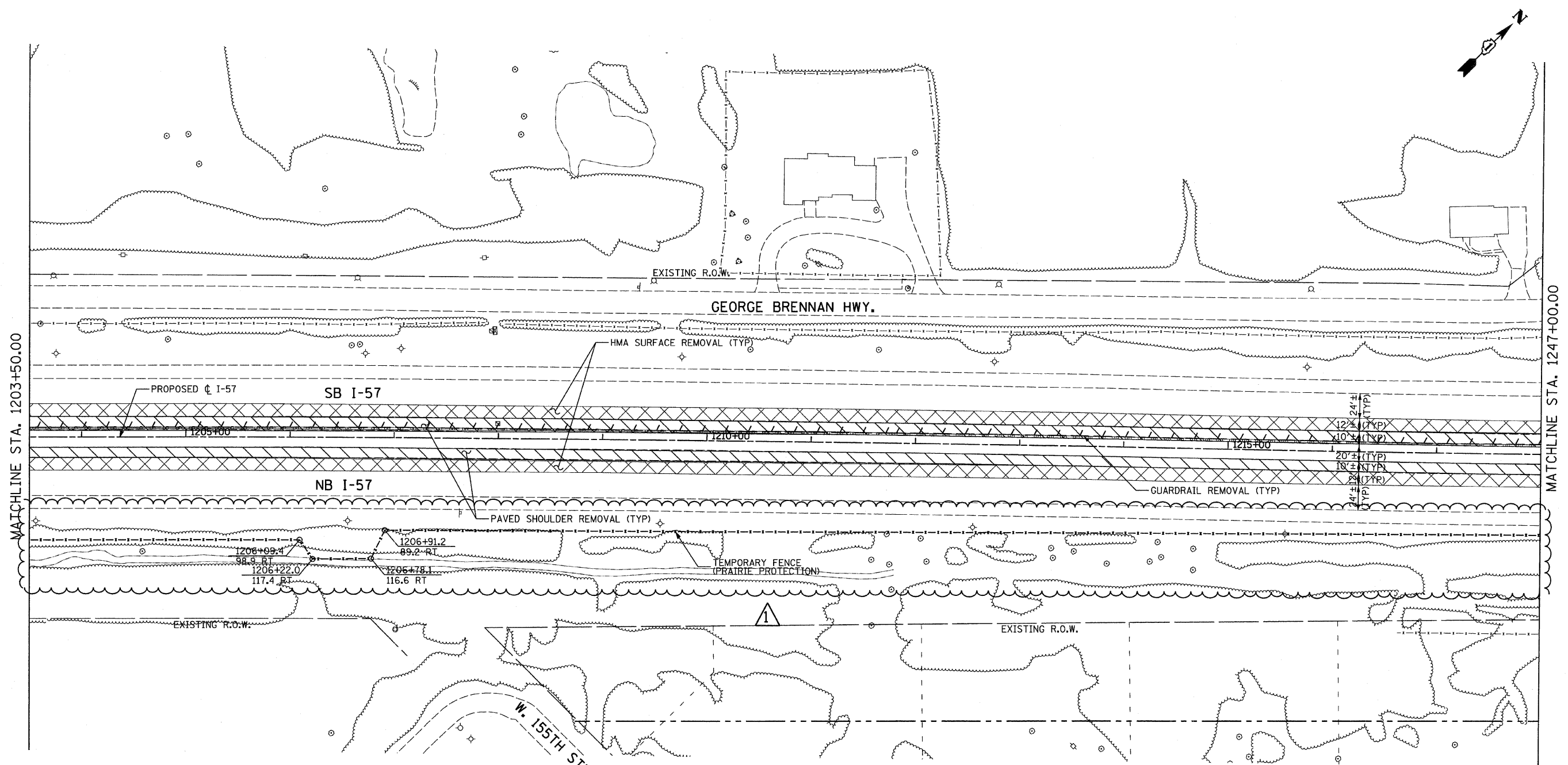
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PLOT SCALE =	DRAWN - CAC	REVISED Δ ADDENDUM 1 05/24/10
PLOT DATE =	CHECKED - JDF	REVISED -
	DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
REMOVAL PLANS**

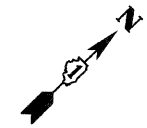
SCALE: 1"=50' SHEET NO. 3 OF 8 SHEETS STA. 1189+00 TO STA. 1203+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	34
FED. ROAD DIST. NO.			CONTRACT NO. 60J27	
ILLINOIS FED. AID PROJECT				



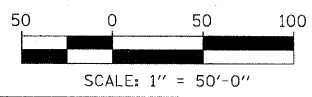
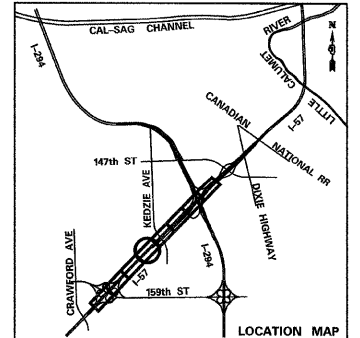
MATCHLINE STA. 1203+50.00

MATCHLINE STA. 1247+00.00



LEGEND:

- | | | | |
|--|---|--|--|
| | PAVED SHOULDER REMOVAL | | TREE REMOVAL (ACRES) |
| | HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SEE PLANS) | | GUARDRAIL REMOVAL |
| | PAVEMENT REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | BUTT JOINT | | COMB CONC CURB & GUTTER REMOVAL |
| | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) | | CONCRETE MEDIAN BARRIER AND BASE REMOVAL |
| | | | LIMITS OF CONSTRUCTION |



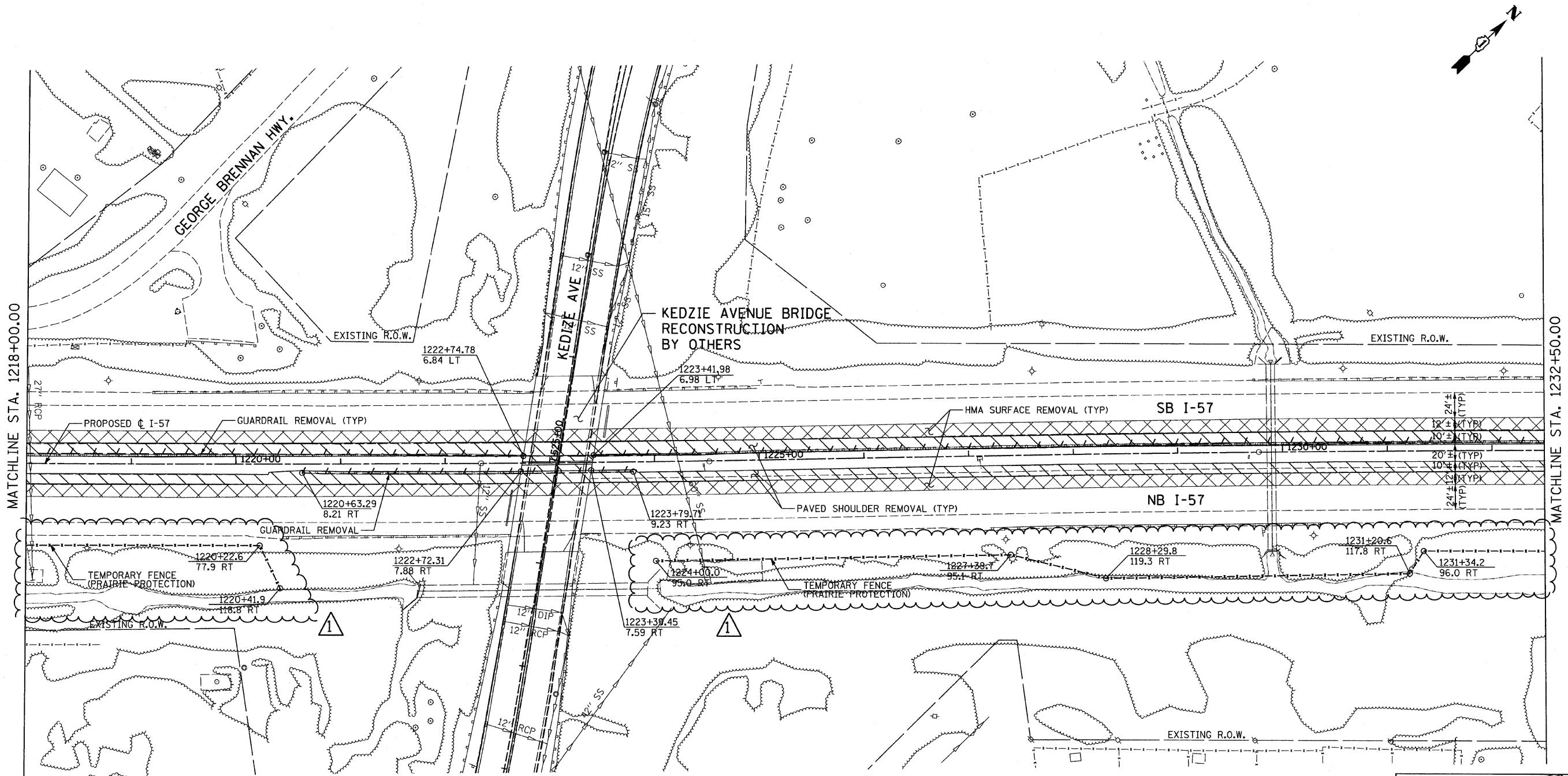
TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CAC	REVISED - 4/29/2010
PLOT SCALE =	DRAWN - CAC	REVISED Δ - ADDENDUM 1 05/24/10
PLOT DATE =	CHECKED - JDF	REVISED -
	DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

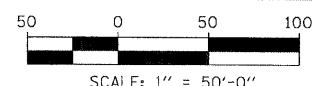
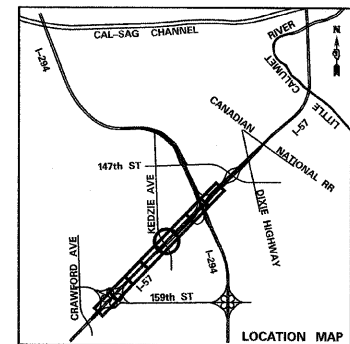
I-57 AT I-294 INTERCHANGE PROJECT REMOVAL PLANS			
SCALE: 1"=50'	SHEET NO. 4 OF 8 SHEETS	STA. 1203+50 TO STA. 1247+00	

F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 35
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60J27		



LEGEND:

- | | | | |
|--|---|--|--|
| | PAVED SHOULDER REMOVAL | | TREE REMOVAL (ACRES) |
| | HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SEE PLANS) | | GUARDRAIL REMOVAL |
| | PAVEMENT REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | BUTT JOINT | | COMB CONC CURB & GUTTER REMOVAL |
| | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) | | CONCRETE MEDIAN BARRIER AND BASE REMOVAL |
| | | | LIMITS OF CONSTRUCTION |



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED - 4/29/2010
	PLOT SCALE =	DRAWN - CAC	REVISED ADDENDUM 1 05/24/10
	PLOT DATE =	CHECKED - JDF	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

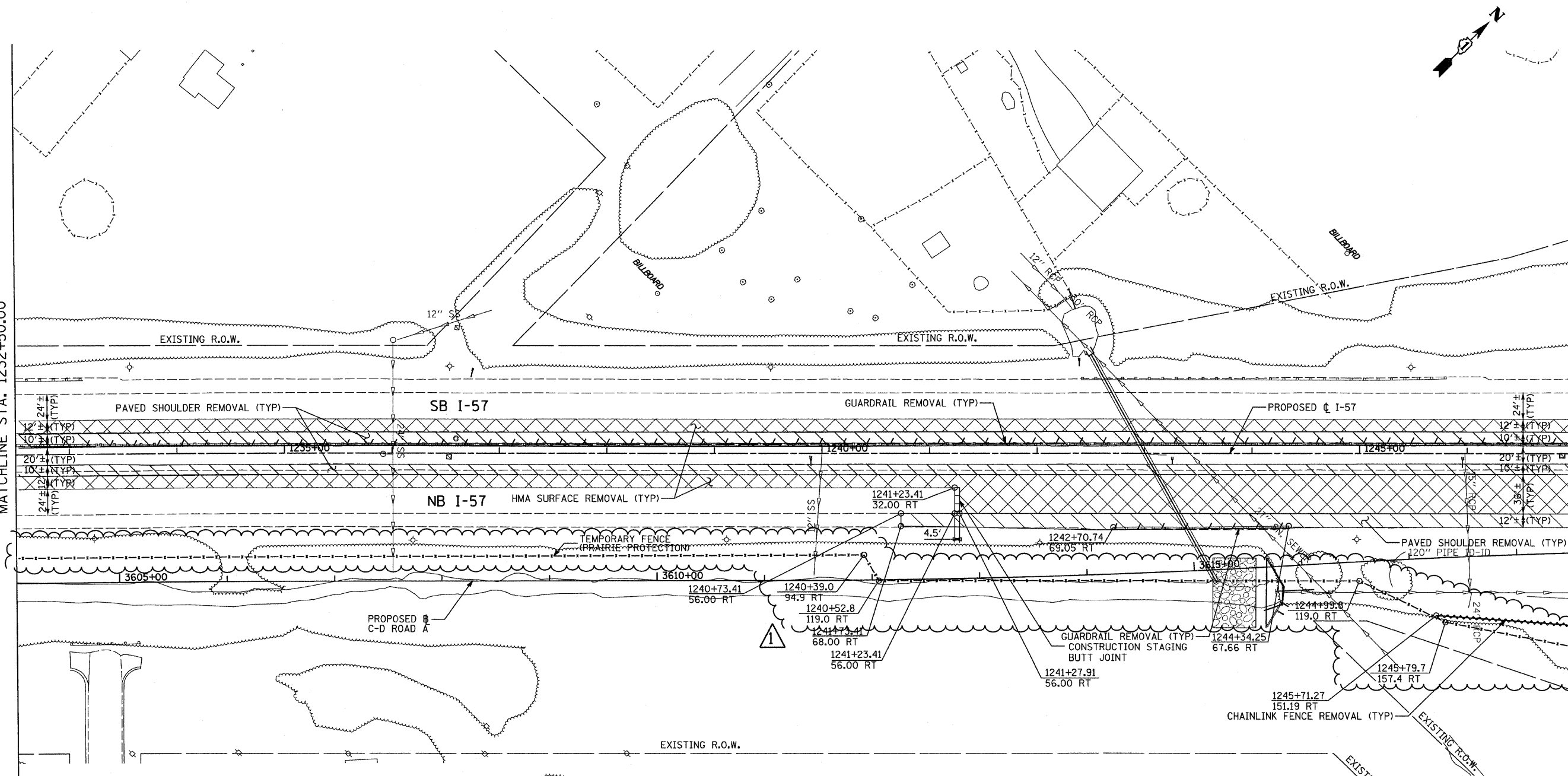
**I-57 AT I-294 INTERCHANGE PROJECT
REMOVAL PLANS**

SCALE: 1"=50' SHEET NO. 5 OF 8 SHEETS STA. 1218+00 TO STA. 1232+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60J27	

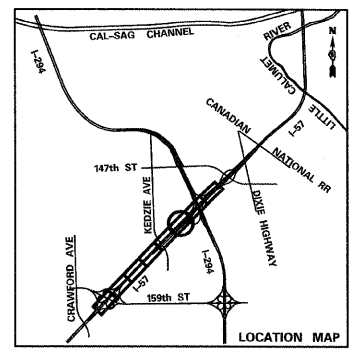
MATCHLINE STA. 1232+50.00

MATCHLINE STA. 1247+00.00



LEGEND:

- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SEE PLANS)
- PAVEMENT REMOVAL
- BUTT JOINT
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- TREE REMOVAL (ACRES)
- GUARDRAIL REMOVAL
- CHAIN LINK FENCE REMOVAL
- COMB CONC CURB & GUTTER REMOVAL
- CONCRETE MEDIAN BARRIER AND BASE REMOVAL
- LIMITS OF CONSTRUCTION



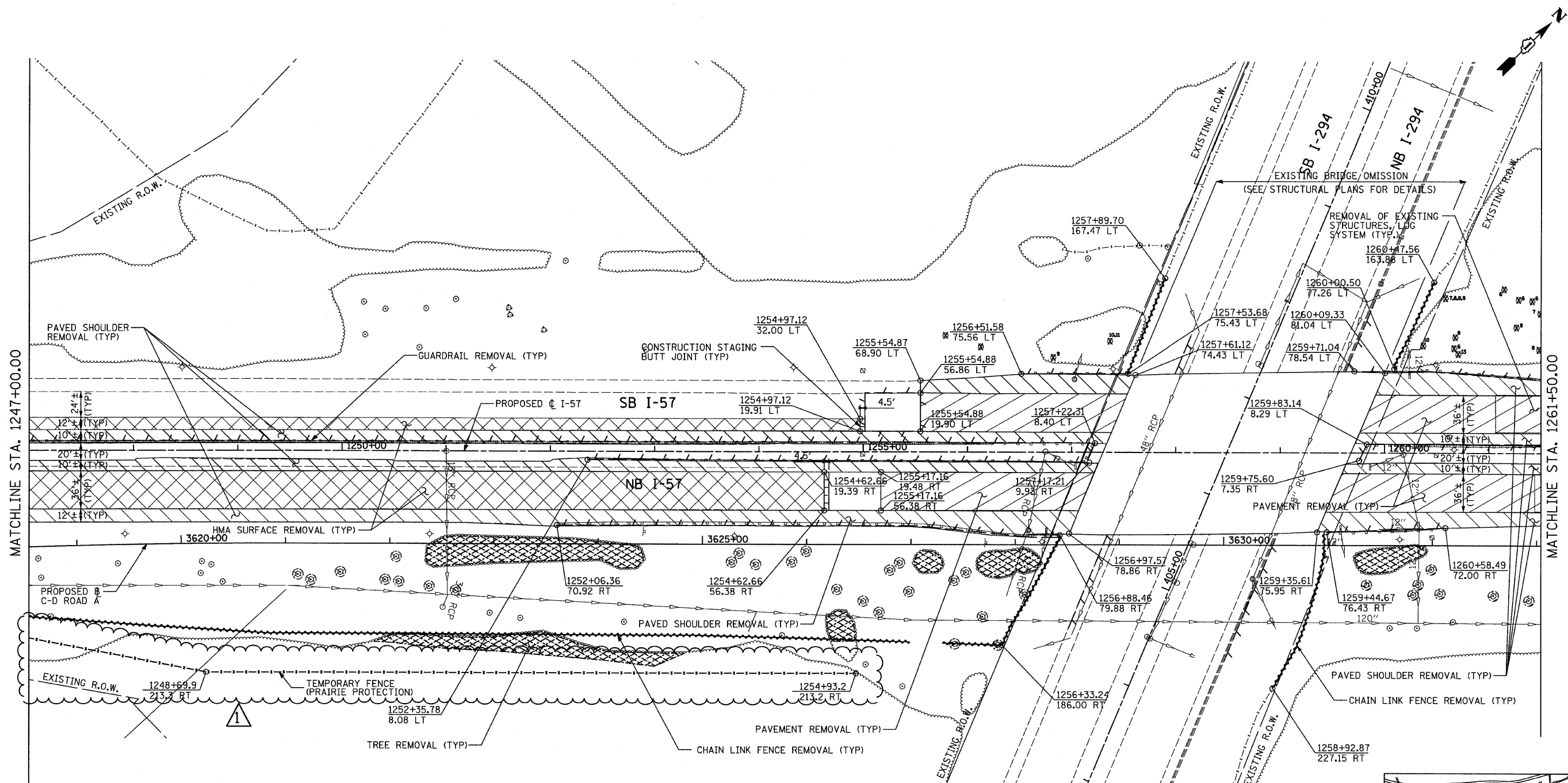
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	PLOT SCALE =	DRAWN - CAC	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT DATE =	CHECKED - JDF	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

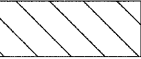



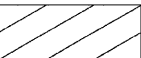

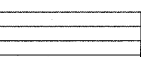
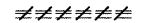



**I-57 AT I-294 INTERCHANGE PROJECT
REMOVAL PLANS**

SCALE: 1"=50'
SHEET NO. 6 OF 8 SHEETS
STA. 1232+50 TO STA. 1247+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	37
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60J27	

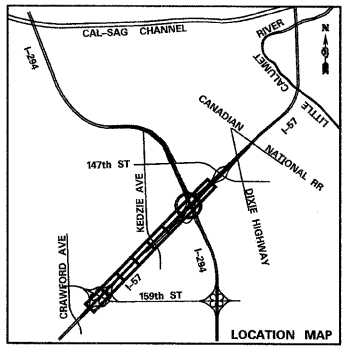


LEGEND:

- | | | | |
|---|---|---|--|
|  | PAVED SHOULDER REMOVAL |  | TREE REMOVAL (ACRES) |
|  | HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SEE PLANS) |  | GUARDRAIL REMOVAL |
|  | PAVEMENT REMOVAL |  | CHAIN LINK FENCE REMOVAL |
|  | BUTT JOINT |  | COMB CONC CURB & GUTTER REMOVAL |
|  | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |  | CONCRETE MEDIAN BARRIER AND BASE REMOVAL |
| | |  | LIMITS OF CONSTRUCTION |

NOTE:

TREES DEPICTED AS ⊗ WERE IDENTIFIED IN AERIAL SURVEY. UNIT DIAMETER WAS NOT MEASURED. THOSE HAVE BEEN QUANTIFIED AS 0.0018 AC PER TREE LOCATION.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED - 4/29/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT REMOVAL PLANS			F.A.I. RTE. = 57	SECTION = 1414.2B	COUNTY = COOK	TOTAL SHEETS = 516	SHEET NO. = 38
	PLOT SCALE =	DRAWN - CAC	REVISED Δ ADDENDUM 1 05/24/10		SCALE: 1"=50'	SHEET NO. 7 OF 8 SHEETS	STA. 1247+00 TO STA. 1261+50	CONTRACT NO. 60J27				
	PLOT DATE =	CHECKED - JDF	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
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MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. A WORK ZONE SPEED LIMIT OF 45 M.P.H MUST BE MAINTAINED AT ALL TIMES.
2. SEE SPECIAL PROVISION TITLED TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY).
3. AGENCY JURISDICTION:
 INTERSTATE 57 (I-57) AND CD ROAD A ARE UNDER THE JURISDICTION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT).
 INTERSTATE 294 (I-294) IS UNDER THE JURISDICTION OF THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY (TOLLWAY).
4. THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC OF THIS PROJECT WITH OTHER PROJECTS IN ADJACENT CONTRACTS. SEE MAINTENANCE OF TRAFFIC SPECIAL PROVISION FOR COORDINATION REQUIREMENTS.
5. ALL TEMPORARY PAVEMENT (INTERSTATE) WITHIN IDOT JURISDICTION SHALL BE, AT THE OPTION OF THE CONTRACTOR, EITHER (1) 8" PORTLAND CEMENT CONCRETE BASE COURSE, OR (2) 9 1/2" HMA PAVEMENT CONSISTING OF 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 OVER 8" TEMPORARY PAVEMENT (INTERSTATE).
6. THE CONTRACTOR SHALL REMOVE, SAFELY STORE FREE FROM THEFT OR DAMAGE OR COVER ALL CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION, AND ALL SIGNS SHALL BE RESTORED TO PREVIOUS CONDITIONS AT THE END OF CONSTRUCTION.
7. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:
 A) THE CONTRACTOR SHALL FURNISH ALL SIGNS.
 B) THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND REPLACE ANY SIGNS THAT ARE SUPPLIED BY OTHERS AND DAMAGED BY THE CONTRACTOR'S WORK FORCE OR SUBCONTRACTORS DURING RELOCATION OR CONSTRUCTION OPERATIONS.
 C) ALL SIGNS AND ASSEMBLIES SHALL BE CERTIFIED BY THE CONTRACTOR AS MEETING THE APPLICABLE REQUIREMENTS OF NCHRP REPORT 350, TEST LEVEL 3.

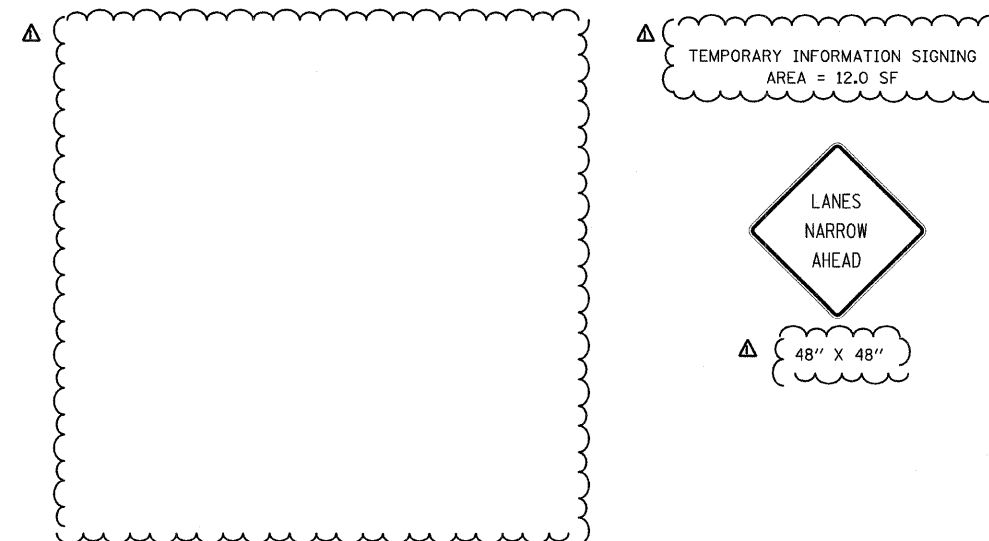
D) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) PAY ITEM X7011015, EXCEPT FOR TEMPORARY INFORMATIONAL SIGNING AS NOTED ON THE PLANS.

8. OPENING THROUGH THE BARRIER FOR CONTRACTOR'S ACCESS TO WORK ZONE WILL BE PROVIDED AS APPROVED BY THE ENGINEER. SEE 'WORK ZONE OPENING DETAIL' SHEET 127.
9. TEMPORARY CONCRETE BARRIER WALL THAT IS TO REMAIN IN PLACE AFTER THE CONSTRUCTION OF THIS CONTRACT SHALL BE PLACED IN STAGE 2 AND PAID FOR AS 'TEMPORARY CONCRETE BARRIER (SPECIAL)'. ALL SUBSEQUENT RELOCATIONS OF THIS BARRIER WALL WILL BE PAID FOR AS 'RELOCATE TEMPORARY CONCRETE BARRIER WALL'.
10. THERE IS 940 FT OF TEMPORARY CONCRETE BARRIER (STATE OWNED) BETWEEN STA. 1264+00 AND STA. 1273+00. THE CONTRACTOR SHALL REMOVE IT FROM THE SITE PER 'REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED' SPECIAL PROVISION.
11. THRIE BEAM SHALL BE PROVIDED TO CLOSE THE GAP BETWEEN EXISTING AND PROPOSED CONCRETE BARRIER MEDIAN ON I-294 DURING THE WINTER SHUTDOWN STAGES. FOR QUANTITY PURPOSES, THRIE BEAM LENGTH OF 15 FT INCLUDING THE END SHOES HAS BEEN PROVIDED FOR EACH NECESSARY LOCATION. THE CONTRACTOR MAY SHORTEN THIS AMOUNT AS NEEDED TO CLOSE THE GAP.
12. ANY RAISED REFLECTIVE PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE RELECTIVE LENSES REMOVED AS DIRECTED BY THE RESIDENT ENGINEER. REPLACEMENT REFLECTORS SHALL BE PLACED INTO THE CASTINGS DURING THE WINTER SHUTDOWN PERIODS.
13. A 'BOXED' NOTE INDICATES AN ITEM OF WORK THAT IS NOT PAID FOR SEPARATELY, BUT IS PAID FOR AS PART OF ANOTHER ITEM LISTED IN THE SUMMARY OF QUANTITIES.
14. MAINLINE I-57 TO BE OVERLAYED FOLLOWING MEDIAN CONSTRUCTION. CONTRACTOR SHALL VARY OVERLAY CROSS SLOPE TO MATCH PROPOSED MEDIAN ELEVATIONS AND EXISTING MAINLINE ELEVATIONS.
15. ALL TEMPORARY PAVEMENT MARKINGS ALONG I-57 DURING STAGES 1, 2 AND 3, SHALL BE WET REFLECTIVE TAPE, TYPE III OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS. PAVEMENT MARKINGS ALONG I-57 FOR THE WINTER SHUTDOWN STAGES SHALL BE EPOXY OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS.
16. ALL EXISTING PAVEMENT MARKINGS ALONG I-294 WITHIN THE MAINTENANCE OF TRAFFIC WORK AREA SHALL BE COVERED WITH PAVEMENT MARKING TAPE (BLACK). TAPERS SHALL BE PLACED USING WET REFLECTIVE TEMPORARY TAPE, TYPE III OF THE COLOR AND WIDTH SPECIFIED IN THE PLANS.
17. THE QUANTITY FOR TEMPORARY PAVEMENT MARKING - LINE 6" WAS ASSUMED EQUAL TO THE LENGTH OF THE TEMPORARY CONCRETE BARRIER ALONG I-57. UTILIZED WHEN THE BARRIER IS LOCATED WITHIN 1 FT OR LESS FROM THE EDGE OF TRAVELED WAY.
18. MONO-DIRECTIONAL PRISMATIC BARRIER REFLECTORS WILL BE PLACED AT 25' CENTERS ON TOP AND SIDE OF TEMPORARY CONCRETE BARRIER FACING TRAFFIC.

TEMPORARY CONCRETE BARRIER SCHEDULE

	TEMPORARY CONCRETE BARRIER (FT)	TEMPORARY CONCRETE BARRIER (SPECIAL) (FT)	RELOCATE TEMPORARY CONCRETE BARRIER (FT)	REMOVAL AT END OF STAGE (FT)
I-57 STAGE 1	3,120			
I-57 WINTER SHUTDOWN I			3,120	
I-57 STAGE 2	18,050	3,790*	3,120	17,530
I-57 WINTER SHUTDOWN II			7,050	
I-57 STAGE 3			7,050	3,640
I-57 FINAL CONDITION			3,790**	
I-294 OUTER PIER WORK ZONE	1,340			
I-294 INNER PIER WORK ZONE			1,340	1,340
I-294 WINTER SHUTDOWN				
I-294 INNER PIER WORK ZONE	1,340			
I-294 OUTER PIER WORK ZONE			1,340	1,340
I-294 WINTER SHUTDOWN				
I-294 OUTER PIER WORK ZONE	1,340			
I-294 INNER PIER WORK ZONE			1,340	1,340

- * SEE NOTE 9.
- ** 380 FT WILL BE RELOCATED TO THE FINAL CONDITION AFTER STAGE 2 TO CLOSE THE GAP CREATED IN BARRIER WALL UNDER THE KEDZIE BRIDGE.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED - 4/29/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT MAINTENANCE OF TRAFFIC GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - DM	REVISED Δ - ADDENDUM 1 05/24/10			57	1414.2B	COOK	516	91
	PLOT DATE =	CHECKED - JPM	REVISED -			CONTRACT NO. 60J27				
				SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

I-57 OVER I-294 CONSTRUCTION STAGING NOTES:

PRE-STAGE 1 - I-57 MAINLINE

DURING THIS STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL REMOVE RUMBLE STRIPS AND REPAIR ALL DAMAGED SHOULDERS.

I. PRIOR TO UTILIZING EXISTING HMA SHOULDER FOR TEMPORARY BYPASS, THE CONTRACTOR SHALL REMOVE EXISTING SHOULDER RUMBLE STRIPS AND INSPECT ALL EXISTING HMA SHOULDERS ALONG NB I-57 WITHIN THE PROPOSED WORK AREA AND PROVIDE FULL DEPTH REPAIR TO ALL DAMAGED OR DEFICIENT EXISTING HMA SHOULDERS WITH NEW HMA SURFACE COURSE, MIX "D", N70, ITEM 40603340.

STAGE 1 - I-57 AND I-294 MAINLINES

DURING THIS STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRIER, INSTALL PAVEMENT MARKING AND SIGNS TO SHIFT THE TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC DRAWINGS.

A. STAGE 1 - MAINLINE CONSTRUCTION STAGING - I-57

I. NB MAINLINE TRAFFIC UTILIZING INSIDE SHOULDER AND INSIDE LANES: DURING THIS STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL SHIFT THE TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC TYPICAL SECTION AND THE MAINTENANCE OF TRAFFIC PLAN SHEETS CONTRACTOR SHALL MAINTAIN TRAFFIC ACCESS TO EXISTING RAMP J. THE CONTRACTOR SHALL ALSO MAINTAIN EXISTING LIGHTING AND TRAFFIC SURVEILLANCE.

II. CONTRACTOR SHALL CONSTRUCT ALL ITEMS WITHIN THE PROPOSED WORK ZONE, INCLUDING: NEW CD ROAD A PAVEMENT AND TEMPORARY PAVEMENT FOR CROSSOVERS BETWEEN NB I-57 AND CD ROAD A. BRIDGE CONSTRUCTION MUST BE COORDINATED WITH I-294 STAGING.

B. STAGE 1 - MAINLINE CONSTRUCTION STAGING - I-294

I. PAVEMENT MARKING TAPE (BLACK) SHALL BE USED TO COVER ALL CONFLICTING EXISTING PAVEMENT MARKINGS.

II. CLOSE OUTSIDE SHOULDER AND SHIFT TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC SHEETS; *OUTER PIER WORK ZONE*. CONSTRUCT OUTSIDE PIERS FOR CD ROAD A BRIDGE.

III. CLOSE INSIDE SHOULDER AND SHIFT TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC SHEETS; *INNER PIER WORK ZONE*. CONSTRUCT INSIDE PIER FOR CD ROAD A BRIDGE.

IV. TEMPORARY NIGHT CLOSURES FOR ERECTION OF BRIDGE SUPERSTRUCTURE.

WINTER SHUTDOWN I - I-57 AND I-294 MAINLINES

A. WINTER SHUTDOWN I - MAINLINE I-57

I. NB I-57 TRAFFIC SHALL BE SHIFTED AND WIDENED TO THE EXISTING 3 - 12 FOOT LANE CONFIGURATION. WORK ZONE SPEED RESTRICTIONS SHALL BE REMOVED. MAINTAIN EXISTING LIGHTING AND SURVEILLANCE.

II. ALL PAVEMENT MARKING REQUIRED TO SHIFT TRAFFIC TO THE EXISTING CONFIGURATION SHALL BE EPOXY PAVEMENT MARKING OF THE COLOR AND SIZE DEPICTED IN THE PLANS.

B. WINTER SHUTDOWN - MAINLINE I-294

DURING THIS STAGE, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY TAPE TO EXPOSE EXISTING PAVEMENT MARKINGS.

I. ALL TEMPORARY CONCRETE BARRIER WALL SHALL BE REMOVED.

II. THE CONTRACTOR SHALL PROVIDE THRIE BEAM OF NECESSARY LENGTH BETWEEN BRIDGE PIERS TO CLOSE THE GAP CREATED BETWEEN THE EXISTING AND BUILT CONCRETE BARRIER MEDIAN. SEE I-294 WINTER SHUTDOWN - THRIE BEAM DETAIL.

III. THERE SHALL BE NO WORK ZONE SPEED RESTRICTIONS IMPLEMENTED DURING THIS STAGE. WORK ZONE SIGNS SHALL BE REMOVED.

STAGE 2 - I-57 AND I-294 MAINLINES

DURING THIS STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL SHIFT THE TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC DRAWINGS IN ORDER TO CONSTRUCT THE NB I-57 OVER I-294 BRIDGE, I-57 NB INSIDE SHOULDER, MEDIAN DRAINAGE, TRAFFIC SURVEILLANCE ITEMS, BARRIER WALL, I-57 SB INSIDE SHOULDER AND THE NEW SB 4TH LANE.

ALL WORK ASSOCIATED WITH PAVEMENT JACKING FOR DRAINAGE ITEMS SHALL BE CONSTRUCTED IN THIS STAGE. ALL TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS ASSOCIATED WITH THIS WORK SHALL BE REMOVED AFTER THE COMPLETION OF PIPE JACKING, DRAINAGE WORK AND GUARDRAIL REPLACEMENT.

THERE IS 940' OF TEMPORARY CONCRETE BARRIER BETWEEN STA. 1264+00 AND STA. 1273+00. THE CONTRACTOR SHALL REMOVE IT FROM THE WORK SITE PER REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED.

A. STAGE 2 - MAINLINE CONSTRUCTION STAGING - I-57

I. PRIOR TO UTILIZING CROSSOVERS FOR TEMPORARY BYPASS, THE CONTRACTOR SHALL INSPECT ALL TEMPORARY PAVEMENT ALONG NB I-57 AND PROVIDE REPAIR TO ALL DAMAGED OR DEFICIENT TRANSITIONS. CONSTRUCT NB TEMPORARY LIGHTING.

II. THE CONTRACTOR SHALL PLACE TEMPORARY RAISED REFLECTIVE PAVEMENT MARKINGS ALONG NB I-57 BETWEEN STA. 1246+81 TO STA. 1272+30.

NOTES (CONT.):

III. NB I-57 TRAFFIC SHALL BE SHIFTED TO UTILIZE OUTSIDE SHOULDER AND OUTSIDE LANES AND DIVERTED VIA CROSSOVER TO CD ROAD A. CONTRACTOR SHALL MAINTAIN FULL TRAFFIC ACCESS TO RAMP J, RAMP F AND THE 159TH ST. ENTRANCE AND EXIT RAMP WITH RESTRICTIONS AS NOTED ON THE PLANS.

IV. SB I-57 TRAFFIC SHALL BE SHIFTED TO UTILIZE OUTSIDE SHOULDER AND OUTSIDE LANES.

V. DEMOLISH EXISTING NB I-57 BRIDGE. CONTRACTOR SHALL CONSTRUCT ALL ITEMS WITHIN THE PROPOSED WORK ZONE, INCLUDING: NEW NB I-57 BRIDGE AND APPROACH PAVEMENT OVER I-294, PROPOSED SB I-57 INSIDE LANE, NB AND SB INSIDE SHOULDERS, MEDIAN DRAINAGE, TRAFFIC SURVEILLANCE ITEMS AND BARRIER WALL. BRIDGE CONSTRUCTION MUST BE COORDINATED WITH I-294 STAGING. CONSTRUCT HMLT SYSTEM.

B. STAGE 2 - MAINLINE CONSTRUCTION STAGING - I-294

I. PAVEMENT MARKING TAPE (BLACK) SHALL BE USED TO COVER ALL CONFLICTING EXISTING PAVEMENT MARKINGS.

II. CLOSE INSIDE SHOULDER AND SHIFT TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC SHEETS; *INNER PIER WORK ZONE*. AFTER DEMOLITION OF EXISTING NB I-57 STRUCTURE, CONSTRUCT INSIDE PIER FOR NB I-57 BRIDGE.

III. CLOSE OUTSIDE SHOULDER AND SHIFT TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC SHEETS; *OUTER PIER WORK ZONE*. CONSTRUCT OUTSIDE PIERS FOR NB I-57 BRIDGE.

IV. TEMPORARY NIGHT CLOSURES FOR ERECTION OF NB I-57 BRIDGE SUPERSTRUCTURE.

WINTER SHUTDOWN II - I-57 AND I-294 MAINLINES

PRIOR TO UTILIZING THE NEW SB 4TH LANE, THE CONTRACTOR SHALL PLACE AN HMA OVERLAY (HMA SURFACE COURSE, MIX "D", N70, ITEM 40603340) TO ACCOUNT FOR PROFILE, SLOPE AND ELEVATION DIFFERENCES BETWEEN THE EXISTING BRIDGE AND THE NEW SB 4TH LANE.

PRIOR TO THE WINTER SHUTDOWN II, THE CONTRACTOR SHALL PLACE PERMANENT PAVEMENT MARKINGS BETWEEN STA. 1168+75 AND STA. 1235+42 ON NB I-57 AND BETWEEN STA. 1169+19 AND STA. 1247+45 ON SB I-57 PER THE PROPOSED PAVEMENT MARKING SHEETS. ALL SUBSEQUENT MAINTENANCE OF TRAFFIC STAGING SHALL TIE INTO THESE EXISTING PAVEMENT MARKINGS. ENERGIZE HMLT SYSTEM. REMOVE TEMPORARY AND EXISTING LIGHTING PER PLAN.

DURING THIS STAGE, THE CONTRACTOR SHALL SHIFT ALL TRAFFIC TO THE EXISTING PRE-CONSTRUCTION CONFIGURATION AS DEPICTED IN THE PLANS. ALL TEMPORARY CONCRETE BARRIER WALL SHALL BE RELOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF EXISTING PAVEMENT. THE CONTRACTOR SHALL PLACE 380' OF TEMPORARY CONCRETE BARRIER UNDER THE KEDZIE BRIDGE TO REMAIN FOR THE FINAL CONDITION AS SHOWN ON THE PROPOSED PLAN SHEETS.

A. WINTER SHUTDOWN II- MAINLINE I-57

I. NB AND SB I-57 TRAFFIC SHALL BE SHIFTED AND WIDENED TO THE EXISTING 3 - 12 FOOT LANE CONFIGURATION. WORK ZONE SPEED RESTRICTIONS SHALL BE REMOVED.

II. ALL PAVEMENT MARKING REQUIRED TO SHIFT TRAFFIC TO THE EXISTING CONFIGURATION SHALL BE EPOXY PAVEMENT MARKING OF THE COLOR AND SIZE DEPICTED IN THE PLANS.

B. WINTER SHUTDOWN - MAINLINE I-294

DURING THIS STAGE, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY TAPE TO EXPOSE EXISTING PAVEMENT MARKINGS.

I. ALL TEMPORARY CONCRETE BARRIER WALL SHALL BE REMOVED.

II. THE CONTRACTOR SHALL PROVIDE THRIE BEAM OF NECESSARY LENGTH BETWEEN BRIDGE PIERS TO CLOSE THE GAP CREATED BETWEEN THE EXISTING AND BUILT CONCRETE BARRIER MEDIAN. SEE I-294 WINTER SHUTDOWN - THRIE BEAM DETAIL.

III. THERE SHALL BE NO WORK ZONE SPEED RESTRICTIONS IMPLEMENTED DURING THIS STAGE. WORK ZONE SIGNS SHALL BE REMOVED.

STAGE 3 - I-57 AND I-294 MAINLINES

DURING THIS STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL SHIFT THE TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC DRAWINGS IN ORDER TO CONSTRUCT THE SB I-57 OVER I-294 BRIDGE.

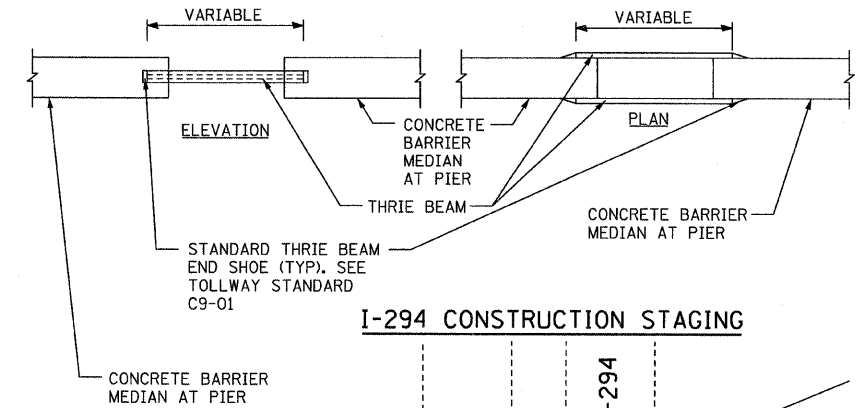
A. STAGE 3 - MAINLINE CONSTRUCTION STAGING - I-57

I. PRIOR TO UTILIZING CROSSOVERS FOR SB I-57 TEMPORARY BYPASS, THE CONTRACTOR SHALL INSPECT ALL PAVEMENT BETWEEN NB AND SB I-57 AND PROVIDE REPAIR TO ALL DAMAGED OR DEFICIENT EXISTING TRANSITIONS.

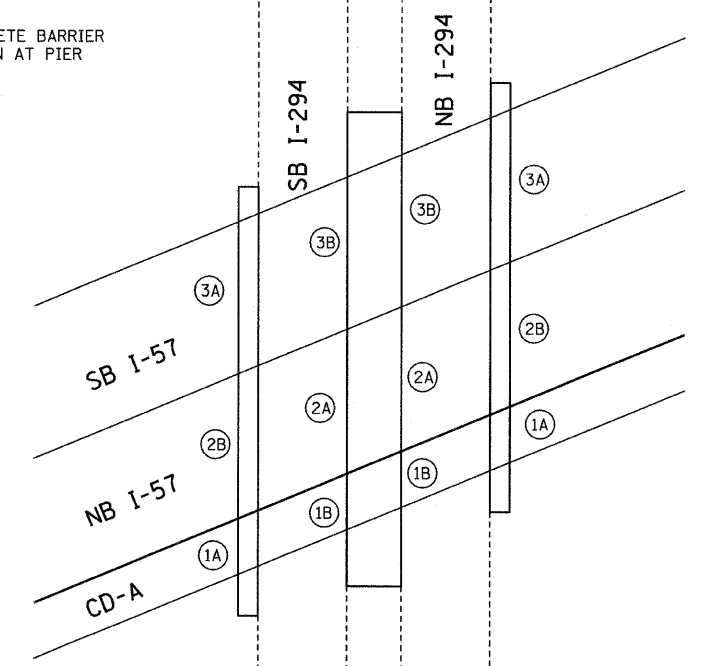
II. SB MAINLINE TRAFFIC SHALL BE DIVERTED VIA CROSSOVER TO NB I-57: DURING THIS STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL SHIFT THE TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC TYPICAL SECTION AND THE MAINTENANCE OF TRAFFIC PLAN SHEETS. CONTRACTOR SHALL MAINTAIN ACCESS FROM RAMP F WITH RESTRICTIONS AS NOTED ON THE PLANS.

III. NB I-57 TRAFFIC WILL REMAIN IN THE WINTER SHUTDOWN CONFIGURATION FROM STA. 1168+75 TO STA. 1235+42. TRAFFIC WILL THEN BE SHIFTED AND NARROWED TOWARD THE OUTSIDE SHOULDER. THE NB I-57 CONFIGURATION INCLUDING STRIPING, DRUMS, AND SIGNS FROM STA. 1239+42 TO 1272+30 WILL MATCH THE STAGE 2 CONFIGURATION.

I-294 WINTER SHUTDOWN - THRIE BEAM DETAIL



I-294 CONSTRUCTION STAGING



IV. THE CONTRACTOR SHALL PLACE TEMPORARY RAISED REFLECTIVE MARKERS ALONG NB I-57 BETWEEN STA. 1246+81 TO STA. 1272+30. ON SB I-57, THEY SHALL BE PLACED BETWEEN STA. 1247+45 TO STA. 1271+98.

V. DEMOLISH EXISTING SB I-57 BRIDGE. CONTRACTOR SHALL CONSTRUCT ALL ITEMS WITHIN THE PROPOSED WORK ZONE, INCLUDING: NEW SB I-57 BRIDGE AND APPROACH PAVEMENT OVER I-294, PROPOSED SB I-57 OUTSIDE SHOULDER. BRIDGE CONSTRUCTION MUST BE COORDINATED WITH I-294 STAGING.

VI. UPON COMPLETION OF THE SB I-57 BRIDGE AND ASSOCIATED PAVEMENT, ALL I-57 TRAFFIC SHALL BE RETURNED TO FINAL CONFIGURATION AS INDICATED IN THE PROPOSED PAVEMENT MARKING PLANS AND ALL TEMPORARY TRAFFIC CONTROL DEVICES REMOVED. THE CONTRACTOR SHALL MOVE TEMPORARY BARRIER WALL TO CLOSE THE CROSS-OVERS AND GAPS IN BARRIER WALL AT STA. 1240+64 TO STA. 1249+42, STA. 1250+00 TO 1255+70, STA. 1263+60 TO STA. 1271+11, STA. 1263+94 TO STA. 1271+04, STA. 1222+48 TO STA. 1233+48 AND STA. 1225+51 TO STA. 1222+71. PROVIDE BARRIER ATTACHMENT PER 'BARRIER CONNECTION DETAIL' (SHEET 60). THE TEMPORARY CONCRETE BARRIER SHALL HAVE A NOTCHED BASE FOR DRAINAGE FLOW THROUGH THE BARRIER AND INTO THE DRAIN SYSTEM.

B. STAGE 3 - MAINLINE CONSTRUCTION STAGING - I-294

I. PAVEMENT MARKING TAPE (BLACK) SHALL BE USED TO COVER ALL CONFLICTING EXISTING PAVEMENT MARKINGS.

II. CLOSE OUTSIDE SHOULDER AND SHIFT TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC SHEETS; *OUTER PIER WORK ZONE*. CONSTRUCT OUTSIDE PIERS FOR SB I-57 BRIDGE. RECONSTRUCT OUTSIDE I-294 SHOULDERS.

III. CLOSE INSIDE SHOULDER AND SHIFT TRAFFIC AS NOTED ON THE MAINTENANCE OF TRAFFIC SHEETS; *INNER PIER WORK ZONE*. CONSTRUCT INSIDE PIER FOR SB I-57 BRIDGE. RECONSTRUCT INSIDE I-294 SHOULDERS.

IV. TEMPORARY NIGHT CLOSURES FOR ERECTION OF SB I-57 BRIDGE SUPERSTRUCTURE.

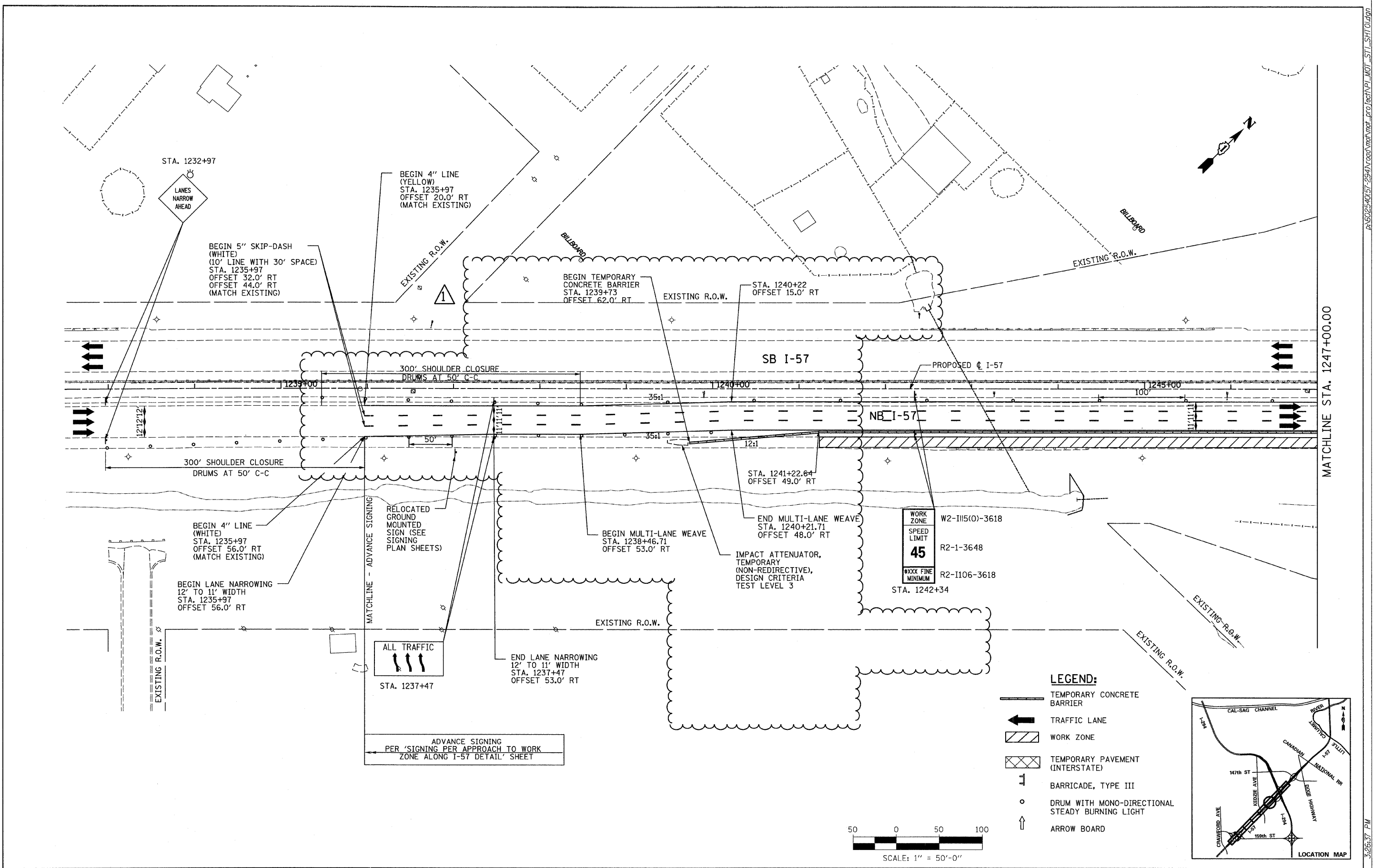
V. UPON COMPLETION OF THE SB I-57 BRIDGE AND ASSOCIATED PAVEMENT, ALL I-294 TRAFFIC SHALL BE RETURNED TO FINAL CONFIGURATION. ALL BLACK TAPE AND TRAFFIC CONTROL DEVICES SHALL BE REMOVED.

Table with columns: USER NAME, DESIGNED, DRAWN, PLOT SCALE, PLOT DATE, REVISED, ADDENDUM 1, DATE. Includes TYLIN INTERNATIONAL logo.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

I-57 AT I-294 INTERCHANGE PROJECT I-57 AND I-294 MAINTENANCE OF TRAFFIC STAGING NOTES

Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Includes project details like 57, 1414.2B, COOK, 516, 92, 60J27.



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - DM	REVISED Δ - ADDENDUM 1 05/24/10
PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JM	REVISED -
	DATE - 3/18/2010	REVISED -

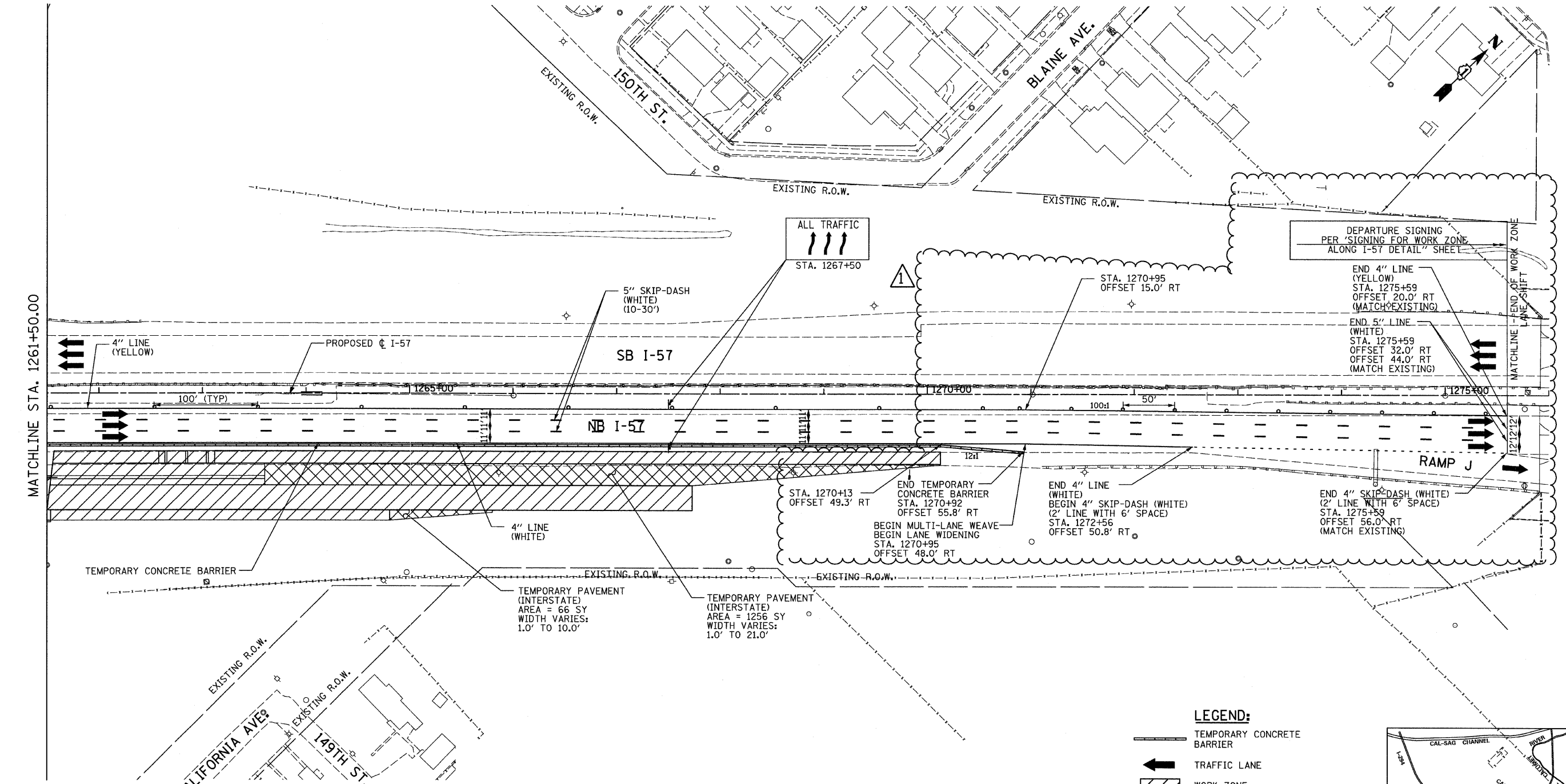
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
MAINTENANCE OF TRAFFIC - I-57 STAGE 1**

SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA. 1232+50 TO STA. 1247+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	96
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	CONTRACT NO. 60J27			

602540(57-294)\road\mot\mot_project\P1_MOT_ST1_SHT01.dgn
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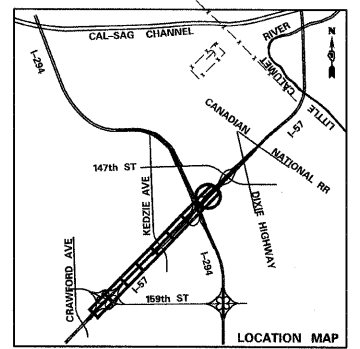
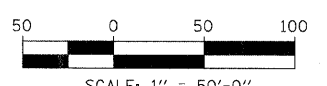


MATCHLINE STA. 1261+50.00

MATCHLINE - END OF WORK ZONE

LEGEND:

- TEMPORARY CONCRETE BARRIER
- TRAFFIC LANE
- WORK ZONE
- TEMPORARY PAVEMENT (INTERSTATE)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD



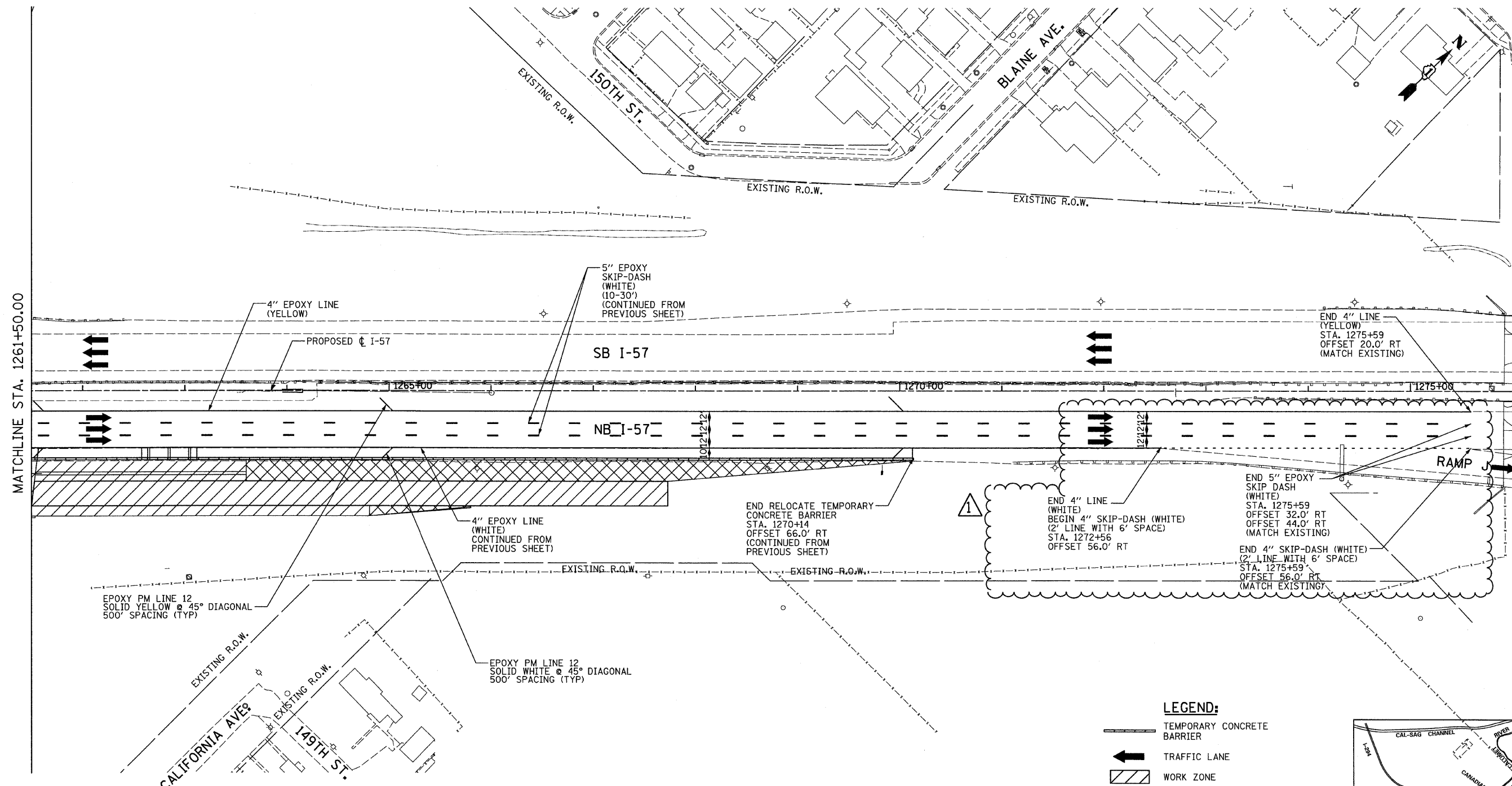
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	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
MAINTENANCE OF TRAFFIC - I-57 STAGE 1**

SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. 1261+50 TO STA.1276+00

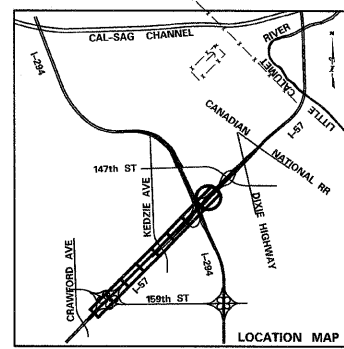
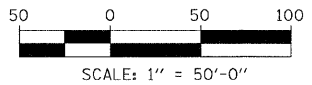
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	98
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60J27	



MATCHLINE STA. 1261+50.00

LEGEND:

- TEMPORARY CONCRETE BARRIER
- TRAFFIC LANE
- WORK ZONE
- TEMPORARY PAVEMENT (INTERSTATE)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD



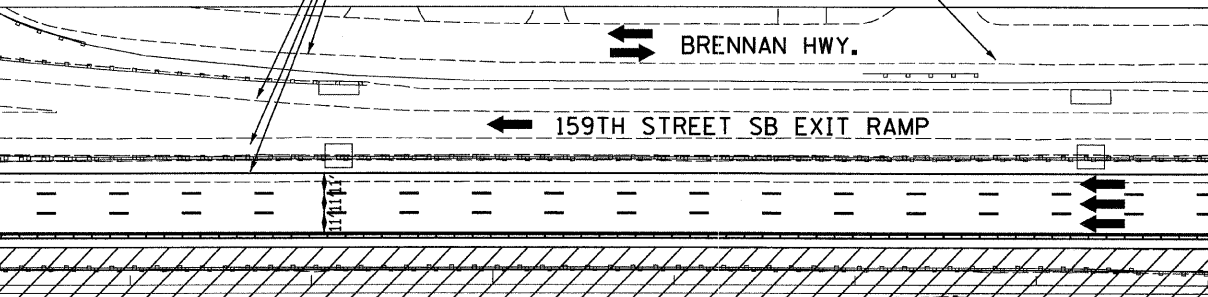
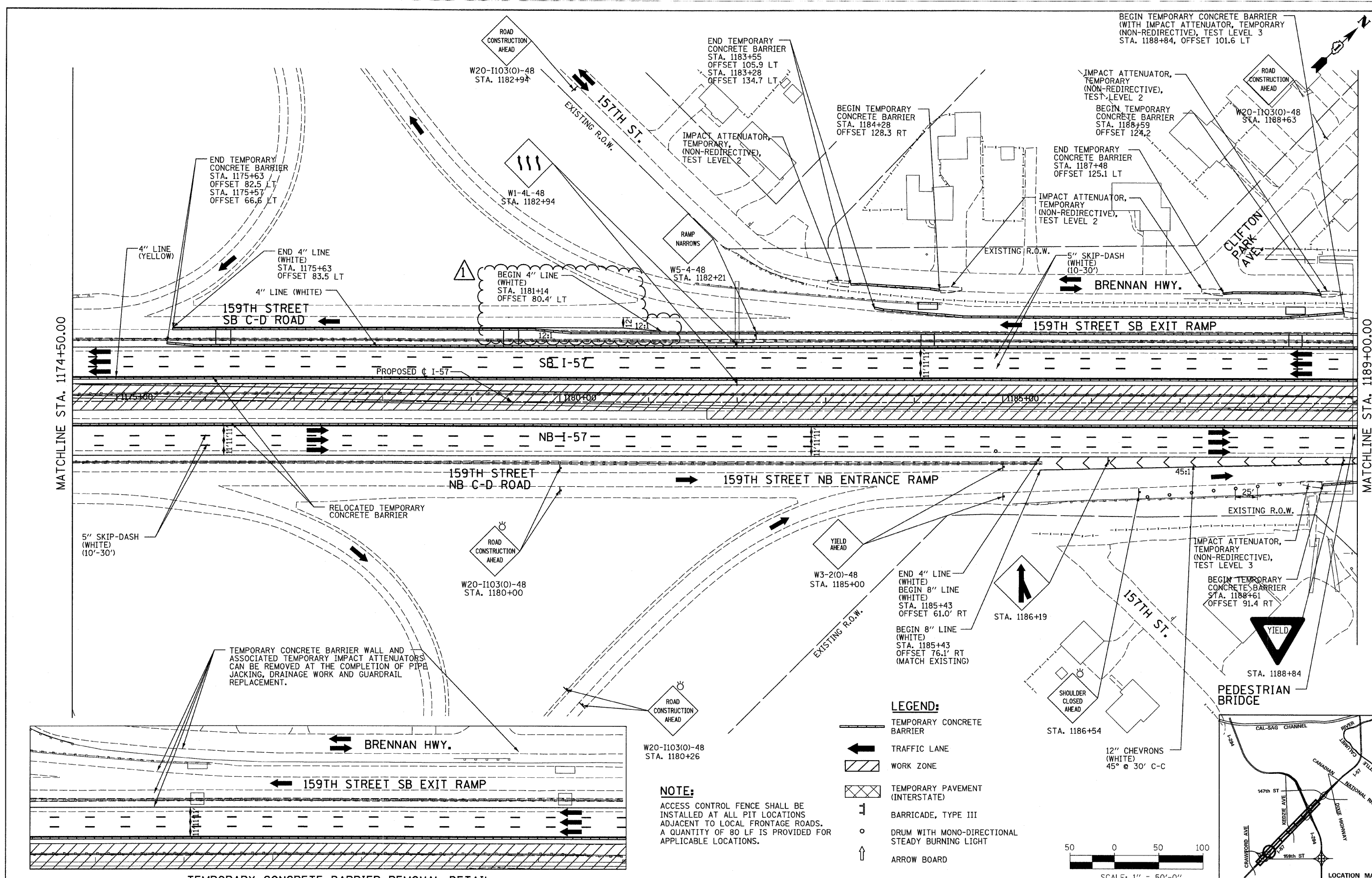
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	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
MAINTENANCE OF TRAFFIC - I-57 WINTER SHUTDOWN I**

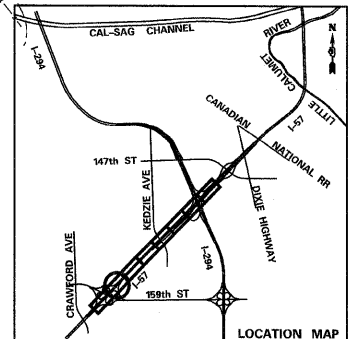
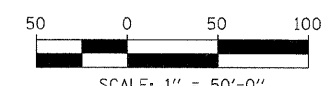
SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. 1261+50 TO STA.1276+00

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	101
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60J27	



LEGEND:

- TEMPORARY CONCRETE BARRIER
- ← TRAFFIC LANE
- ▨ WORK ZONE
- ▤ TEMPORARY PAVEMENT (INTERSTATE)
- 1 BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ↑ ARROW BOARD



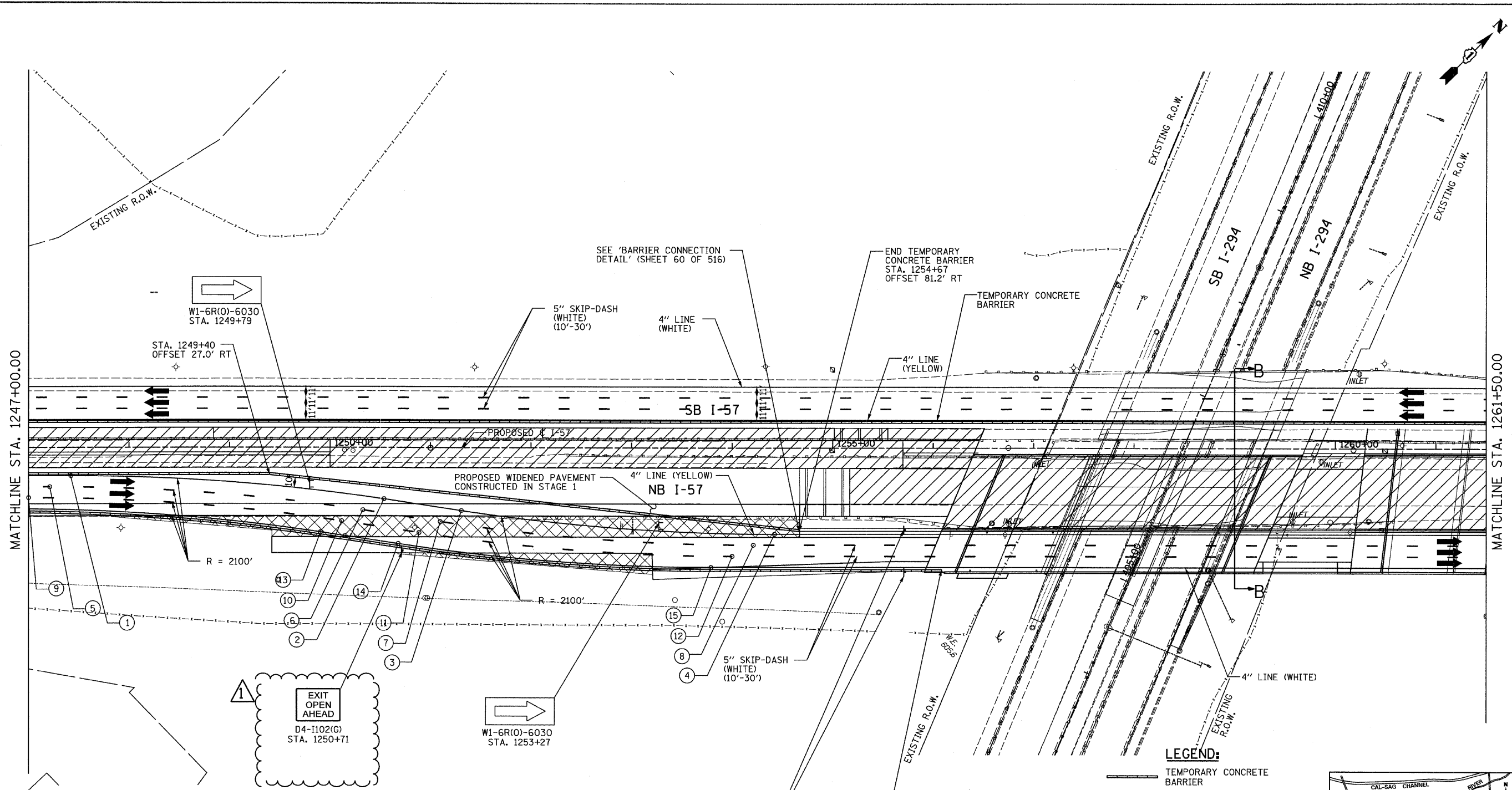
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	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
MAINTENANCE OF TRAFFIC - I-57 STAGE 2**

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	103
FED. ROAD DIST. NO.			CONTRACT NO. 60J27	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 2 OF 9 SHEETS STA. 1174+50 TO STA. 1189+50



MATCHLINE STA. 1247+00.00

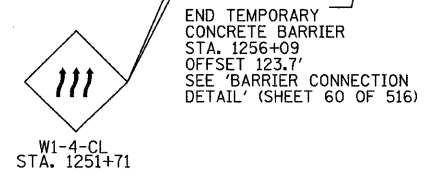
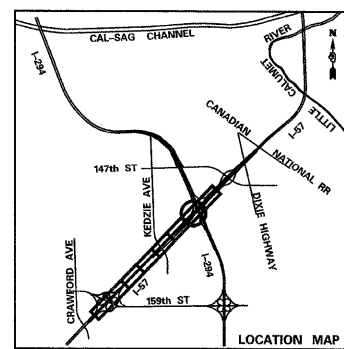
MATCHLINE STA. 1261+50.00

LOCATION	NOTES	LOCATION	NOTES
① STA. 1247+42 OFFSET 28.0' RT	BEGIN REVERSE CURVE	⑨ STA. 1247+00 OFFSET 50.0' RT	BEGIN REVERSE CURVE
② STA. 1250+54 OFFSET 51.2' RT	END CURVE BEGIN TANGENT	⑩ STA. 1250+12 OFFSET 73.2' RT	END CURVE BEGIN TANGENT
③ STA. 1251+31 OFFSET 62.8' RT	END TANGENT BEGIN CURVE	⑪ STA. 1250+89 OFFSET 84.8' RT	END TANGENT BEGIN CURVE
④ STA. 1254+42 OFFSET 86.0' RT	END REVERSE CURVE	⑫ STA. 1254+00 OFFSET 108.0' RT	END REVERSE CURVE
⑤ STA. 1247+21 OFFSET 39.0' RT	BEGIN REVERSE CURVE	⑬ STA. 1249+90 OFFSET 84.2' RT	END CURVE BEGIN TANGENT
⑥ STA. 1250+33 OFFSET 62.6' RT	END CURVE BEGIN TANGENT	⑭ STA. 1250+68 OFFSET 95.8' RT	END TANGENT BEGIN CURVE
⑦ STA. 1251+10 OFFSET 73.8' RT	END TANGENT BEGIN CURVE	⑮ STA. 1253+79 OFFSET 119.0' RT	END REVERSE CURVE
⑧ STA. 1254+21 OFFSET 97.0' RT	END REVERSE CURVE		

LEGEND:

- TEMPORARY CONCRETE BARRIER
- TRAFFIC LANE
- WORK ZONE
- TEMPORARY PAVEMENT (INTERSTATE)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD

SCALE: 1" = 50'-0"

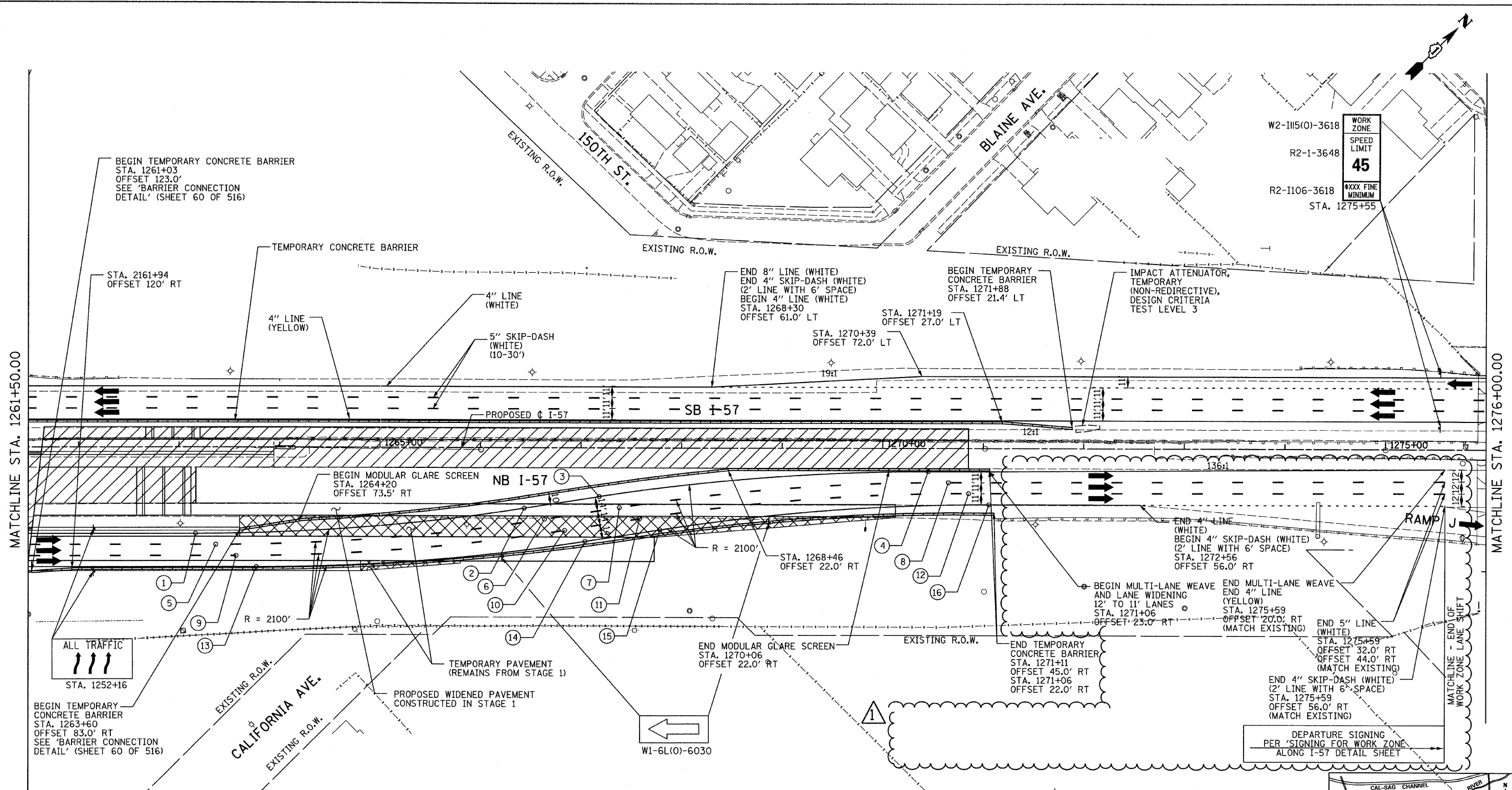


NOTES:
1. TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED BETWEEN LANES ALONG NB I-57 BETWEEN STA. 1246+81 AND STA. 1272+30.

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 AT I-294 INTERCHANGE PROJECT MAINTENANCE OF TRAFFIC - I-57 STAGE 2			
SCALE: 1"=50'	SHEET NO. 7 OF 9 SHEETS	STA. 1247+00 TO STA. 1261+50	F.A.I. RTE. 57
			SECTION 1414.2B
			COUNTY COOK
			TOTAL SHEETS 516
			SHEET NO. 108
			CONTRACT NO. 60J27
			ILLINOIS FED. AID PROJECT



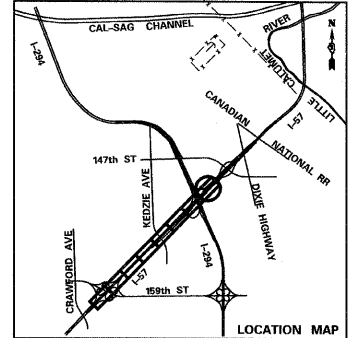
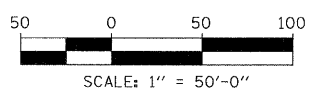
MATCHLINE STA. 1261+50.00

MATCHLINE STA. 1276+00.00

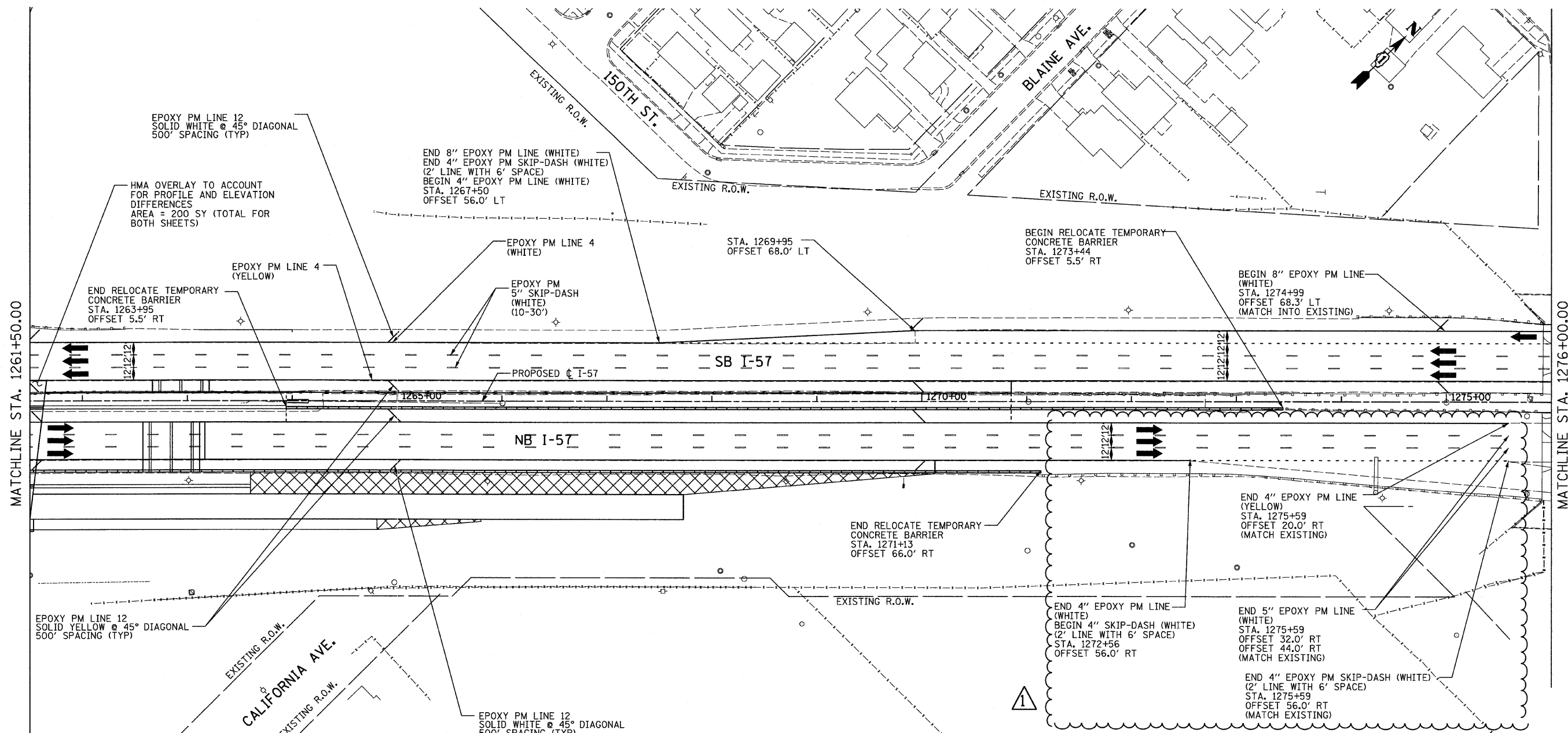
LOCATION	NOTES	LOCATION	NOTES
① STA. 1263+17 OFFSET 86.0' RT	BEGIN REVERSE CURVE	⑨ STA. 1263+57 OFFSET 108.0' RT	BEGIN REVERSE CURVE
② STA. 1266+44 OFFSET 60.4' RT	END CURVE BEGIN TANGENT	⑩ STA. 1266+84 OFFSET 82.4' RT	END CURVE BEGIN TANGENT
③ STA. 1267+18 OFFSET 48.6' RT	END TANGENT BEGIN CURVE	⑪ STA. 1267+58 OFFSET 70.6' RT	END TANGENT BEGIN CURVE
④ STA. 1270+45 OFFSET 23.0' RT	END REVERSE CURVE	⑫ STA. 1270+85 OFFSET 45.0' RT	END REVERSE CURVE
⑤ STA. 1263+37 OFFSET 97.0' RT	BEGIN REVERSE CURVE	⑬ STA. 1263+77 OFFSET 119.0' RT	BEGIN REVERSE CURVE
⑥ STA. 1266+64 OFFSET 71.4' RT	END CURVE BEGIN TANGENT	⑭ STA. 1267+04 OFFSET 93.4' RT	END CURVE BEGIN TANGENT
⑦ STA. 1267+38 OFFSET 59.6' RT	END TANGENT BEGIN CURVE	⑮ STA. 1267+78 OFFSET 81.6' RT	END TANGENT BEGIN CURVE
⑧ STA. 1270+65 OFFSET 34.0' RT	END REVERSE CURVE	⑯ STA. 1271+06 OFFSET 56.0' RT	END REVERSE CURVE

NOTES:
 1. TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED BETWEEN LANES ALONG NB I-57 BETWEEN STA. 1246+81 AND STA. 1272+30.

- LEGEND:**
- TEMPORARY CONCRETE BARRIER
 - TRAFFIC LANE
 - WORK ZONE
 - TEMPORARY PAVEMENT (INTERSTATE)
 - BARRICADE, TYPE III
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - ARROW BOARD



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED Δ - ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT MAINTENANCE OF TRAFFIC - I-57 STAGE 2			F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 109
	PLOT SCALE =	CHECKED - JPM	REVISED -		SCALE: 1"=50'			SHEET NO. 8 OF 9 SHEETS			CONTRACT NO. 60J27	
	PLOT DATE =	DATE - 3/18/2010	REVISED -		STA. 1261+50 TO STA. 1276+00			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 1261+50.00

MATCHLINE STA. 1276+00.00

EPOXY PM LINE 12
SOLID WHITE @ 45° DIAGONAL
500' SPACING (TYP)

HMA OVERLAY TO ACCOUNT
FOR PROFILE AND ELEVATION
DIFFERENCES
AREA = 200 SY (TOTAL FOR
BOTH SHEETS)

END 8" EPOXY PM LINE (WHITE)
END 4" EPOXY PM SKIP-DASH (WHITE)
(2' LINE WITH 6' SPACE)
BEGIN 4" EPOXY PM LINE (WHITE)
STA. 1267+50
OFFSET 56.0' LT

EPOXY PM LINE 4
(WHITE)

STA. 1269+95
OFFSET 68.0' LT

BEGIN RELOCATE TEMPORARY
CONCRETE BARRIER
STA. 1273+44
OFFSET 5.5' RT

END RELOCATE TEMPORARY
CONCRETE BARRIER
STA. 1263+95
OFFSET 5.5' RT

EPOXY PM LINE 4
(YELLOW)

EPOXY PM
5" SKIP-DASH
(WHITE)
(10-30')

BEGIN 8" EPOXY PM LINE
(WHITE)
STA. 1274+99
OFFSET 68.3' LT
(MATCH INTO EXISTING)

PROPOSED I-57

SB I-57

NB I-57

END RELOCATE TEMPORARY
CONCRETE BARRIER
STA. 1271+13
OFFSET 66.0' RT

END 4" EPOXY PM LINE
(YELLOW)
STA. 1275+59
OFFSET 20.0' RT
(MATCH EXISTING)

EPOXY PM LINE 12
SOLID YELLOW @ 45° DIAGONAL
500' SPACING (TYP)

EXISTING R.O.W.
CALIFORNIA AVE.
EXISTING R.O.W.

EPOXY PM LINE 12
SOLID WHITE @ 45° DIAGONAL
500' SPACING (TYP)

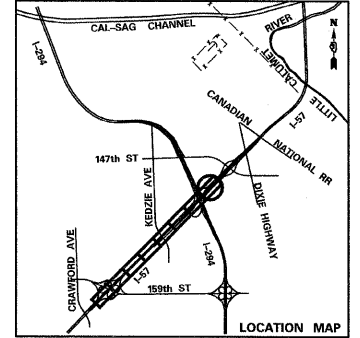
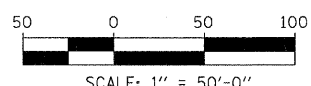
END 4" EPOXY PM LINE
(WHITE)
BEGIN 4" SKIP-DASH (WHITE)
(2' LINE WITH 6' SPACE)
STA. 1272+56
OFFSET 56.0' RT

END 5" EPOXY PM LINE
(WHITE)
STA. 1275+59
OFFSET 32.0' RT
OFFSET 44.0' RT
(MATCH EXISTING)

END 4" EPOXY PM SKIP-DASH (WHITE)
(2' LINE WITH 6' SPACE)
STA. 1275+59
OFFSET 56.0' RT
(MATCH EXISTING)

LEGEND:

- TEMPORARY CONCRETE BARRIER
- TRAFFIC LANE
- WORK ZONE
- TEMPORARY PAVEMENT (INTERSTATE)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

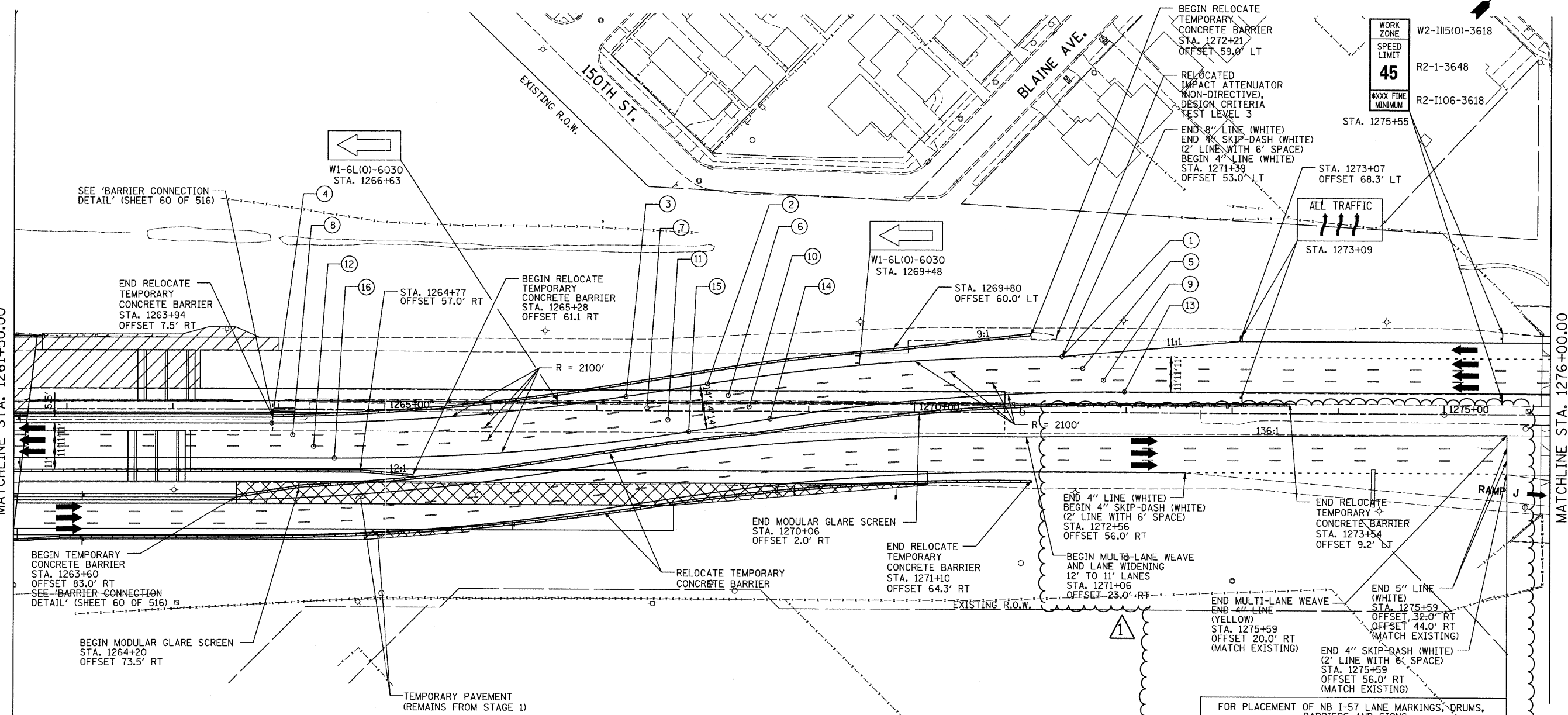
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 AT I-294 INTERCHANGE PROJECT		
MAINTENANCE OF TRAFFIC - I-57 WINTER STAGE II		
SCALE: 1"=50'	SHEET NO. 3 OF 4 SHEETS	STA. 1261+50 TO STA. 1276+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	113
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J27	

MATCHLINE STA. 1261+50.00

MATCHLINE STA. 1276+00.00



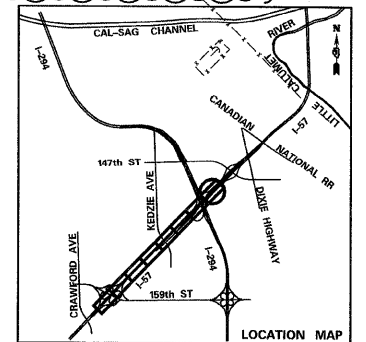
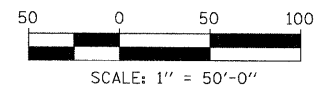
LOCATION	NOTES	LOCATION	NOTES
① STA. 1271+39 OFFSET 53.0' LT	BEGIN REVERSE CURVE	⑨ STA. 1271+79 OFFSET 31.0' LT	BEGIN REVERSE CURVE
② STA. 1268+05 OFFSET 26.2' LT	END CURVE BEGIN TANGENT	⑩ STA. 1268+44 OFFSET 4.2' LT	END CURVE BEGIN TANGENT
③ STA. 1267+28 OFFSET 13.8' LT	END TANGENT BEGIN CURVE	⑪ STA. 1267+67 OFFSET 8.2' RT	END TANGENT BEGIN CURVE
④ STA. 1263+93 OFFSET 13.0' RT	END REVERSE CURVE	⑫ STA. 1264+33 OFFSET 35.0' RT	END REVERSE CURVE
⑤ STA. 1271+59 OFFSET 42.0' LT	BEGIN REVERSE CURVE	⑬ STA. 1271+98 OFFSET 20.0' LT	BEGIN REVERSE CURVE
⑥ STA. 1268+24 OFFSET 15.2' LT	END CURVE BEGIN TANGENT	⑭ STA. 1268+64 OFFSET 6.8' RT	END CURVE BEGIN TANGENT
⑦ STA. 1267+48 OFFSET 2.8' LT	END TANGENT BEGIN CURVE	⑮ STA. 1267+87 OFFSET 19.2' RT	END TANGENT BEGIN CURVE
⑧ STA. 1264+13 OFFSET 24.0' RT	END REVERSE CURVE	⑯ STA. 1264+53 OFFSET 46.0' RT	END REVERSE CURVE

NOTES:

- FOR PLACEMENT OF NB I-57 LANE MARKINGS, DRUMS AND SIGNS FROM STA. 1239+42 TO STA. 1272+30, SEE MAINTENANCE OF TRAFFIC - STAGE 2 SHEETS.
- TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED BETWEEN LANES ALONG NB I-57 BETWEEN STA. 1246+81 AND STA. 1272+30. THEY SHALL BE PLACED BETWEEN LANES ALONG SB I-57 BETWEEN STA. 1247+45 AND STA. 1271+98.

LEGEND:

- TEMPORARY CONCRETE BARRIER
- TRAFFIC LANE
- WORK ZONE
- TEMPORARY PAVEMENT (INTERSTATE)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

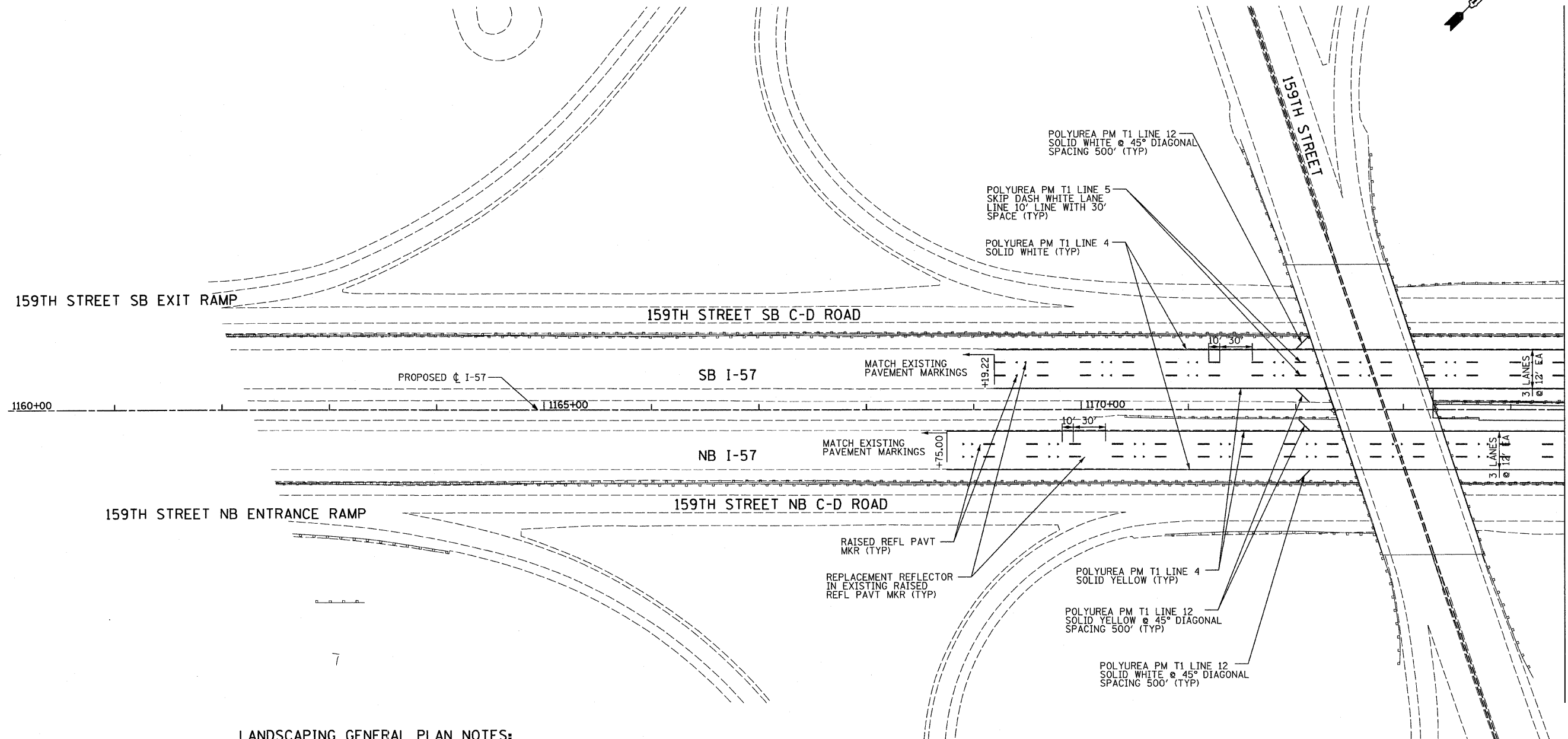
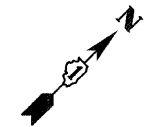
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
MAINTENANCE OF TRAFFIC - I-57 STAGE 3**

SCALE: 1"=50' SHEET NO. 3 OF 4 SHEETS STA. 1261+50 TO STA. 1276+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	117
FED. ROAD DIST. NO.			CONTRACT NO. 60J27	
ILLINOIS			FED. AID PROJECT	

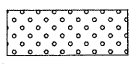
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LANDSCAPING GENERAL PLAN NOTES:

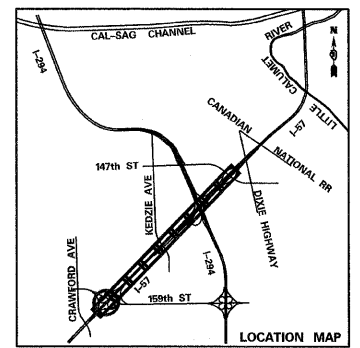
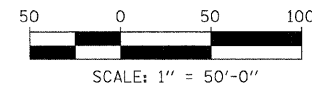
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2. THE RESIDENT ENGINEER SHALL CONTACT JULIA FOX (847) 705-4151, EXPRESSWAY TRAFFIC CONTROL SUPERVISOR, PRIOR TO PLACING ANY PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
4. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AS HIS/HER EXPENSE.
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7. LAYOUT OF LANDSCAPED AREAS WILL REQUIRE APPROVAL OF THE ENGINEER PRIOR TO TOPSOIL PLACEMENT, SEEDING, AND PLANTING.

LEGEND:



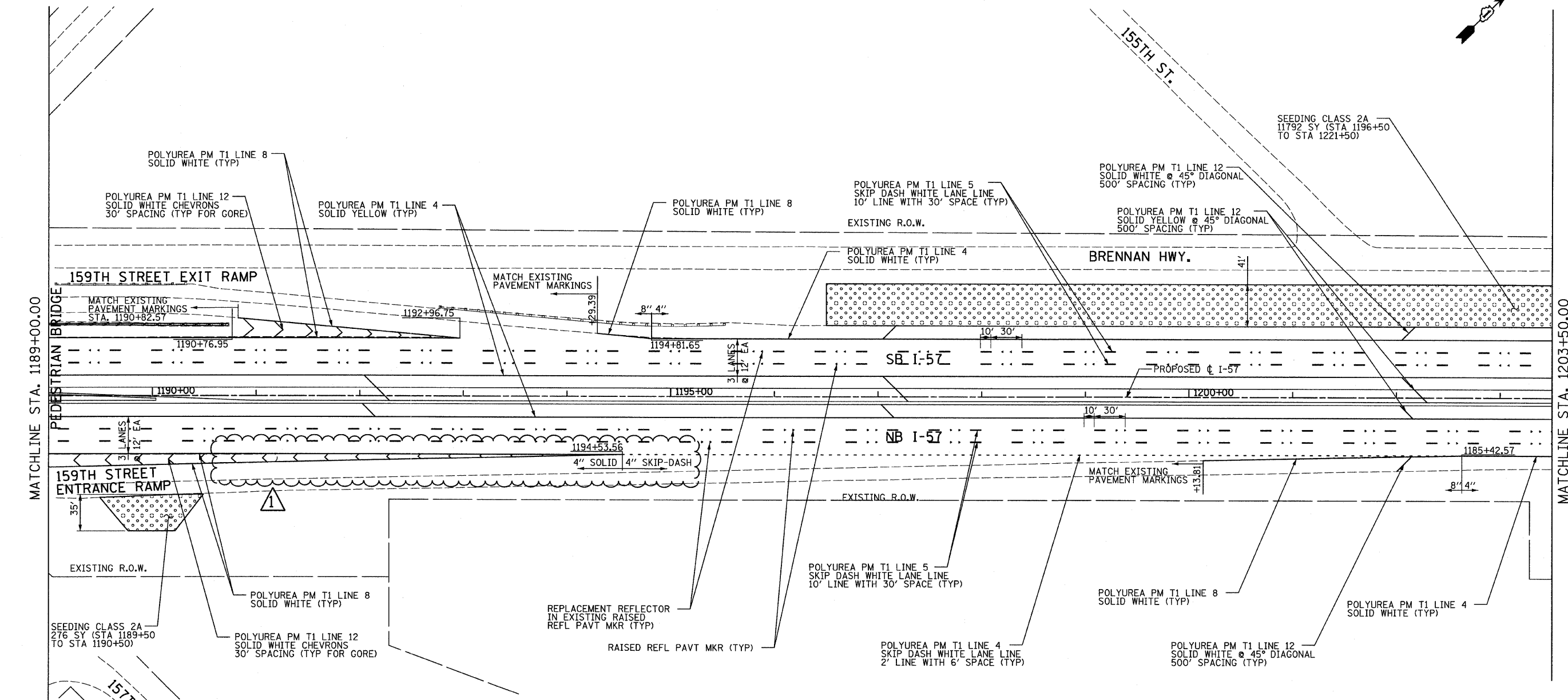
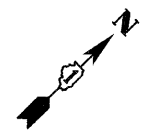
EROSION CONTROL BLANKET, SEEDING CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 4"

PAVEMENT MARKING NOTE:
ALL PAVEMENT MARKINGS ALONG I-57 LABELED AS POLYUREA SHALL BE THERMOPLASTIC WITH THE EXCEPTION OF SB I-57 FROM STA. 1255+54.91 TO STA. 1263+20.86 AND NB I-57 STA. 1255+17.16 TO STA. 1263+11.79.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - EMK	REVISED Δ ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT PAVEMENT MARKING AND LANDSCAPING PLANS	F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 191	
	PLOT SCALE =	DRAWN - EMK	REVISED -			SCALE: 1"=50' SHEET NO. 1 OF 10 SHEETS STA. 1160+00 TO STA. 1174+50					
	PLOT DATE =	CHECKED - JPM	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE - 3/18/2010	REVISED -			CONTRACT NO. 60J27					

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MATCHLINE STA. 1189+00.00

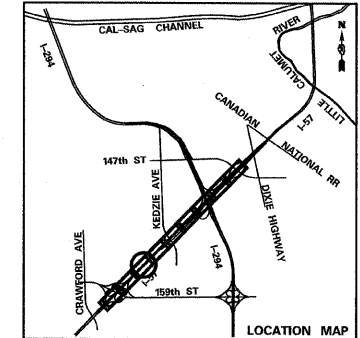
MATCHLINE STA. 1203+50.00

LANDSCAPING GENERAL PLAN NOTES:

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LEGEND:

 EROSION CONTROL BLANKET, SEEDING CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 4"



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - EMK	REVISED - 4/29/2010
	PLOT SCALE =	DRAWN - EMK	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 3/18/2010	REVISED -

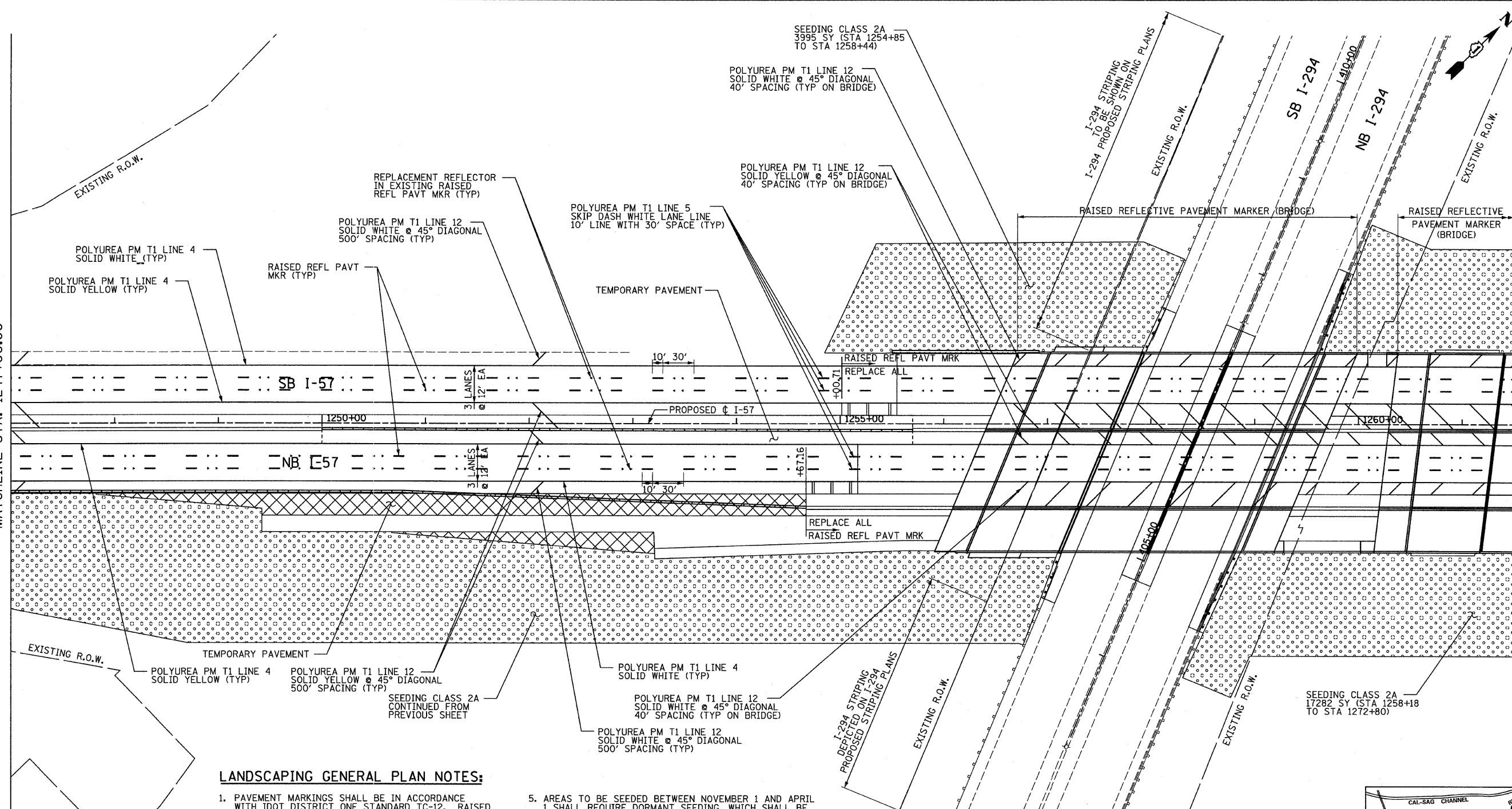
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 AT I-294 INTERCHANGE PROJECT PAVEMENT MARKING AND LANDSCAPING PLANS			
SCALE: 1"=50'	SHEET NO. 3 OF 10 SHEETS	STA. 1189+00 TO STA. 1203+50	F.A.I. RTE. 57

SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 193
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 60J27	

MATCHLINE STA. 1247+00.00

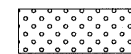
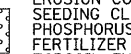
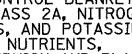

MATCHLINE STA. 1261+50.00



LANDSCAPING GENERAL PLAN NOTES:

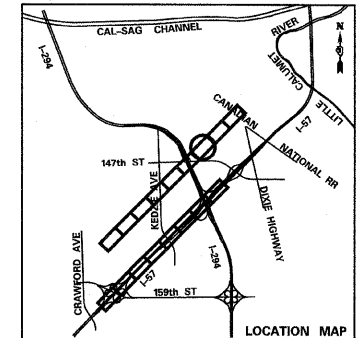
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LEGEND:

 EROSION CONTROL BLANKET,
 SEEDING CLASS 2A, NITROGEN,
 PHOSPHORUS, AND POTASSIUM
 FERTILIZER NUTRIENTS,
 TOPSOIL FURNISH AND PLACE, 4"

PAVEMENT MARKING NOTE:

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TYLIN INTERNATIONAL	USER NAME =	DESIGNED - EMK	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - EMK	REVISED -
	PLOT DATE =	CHECKED - JDU	REVISED -
		DATE - 3/18/2010	REVISED -

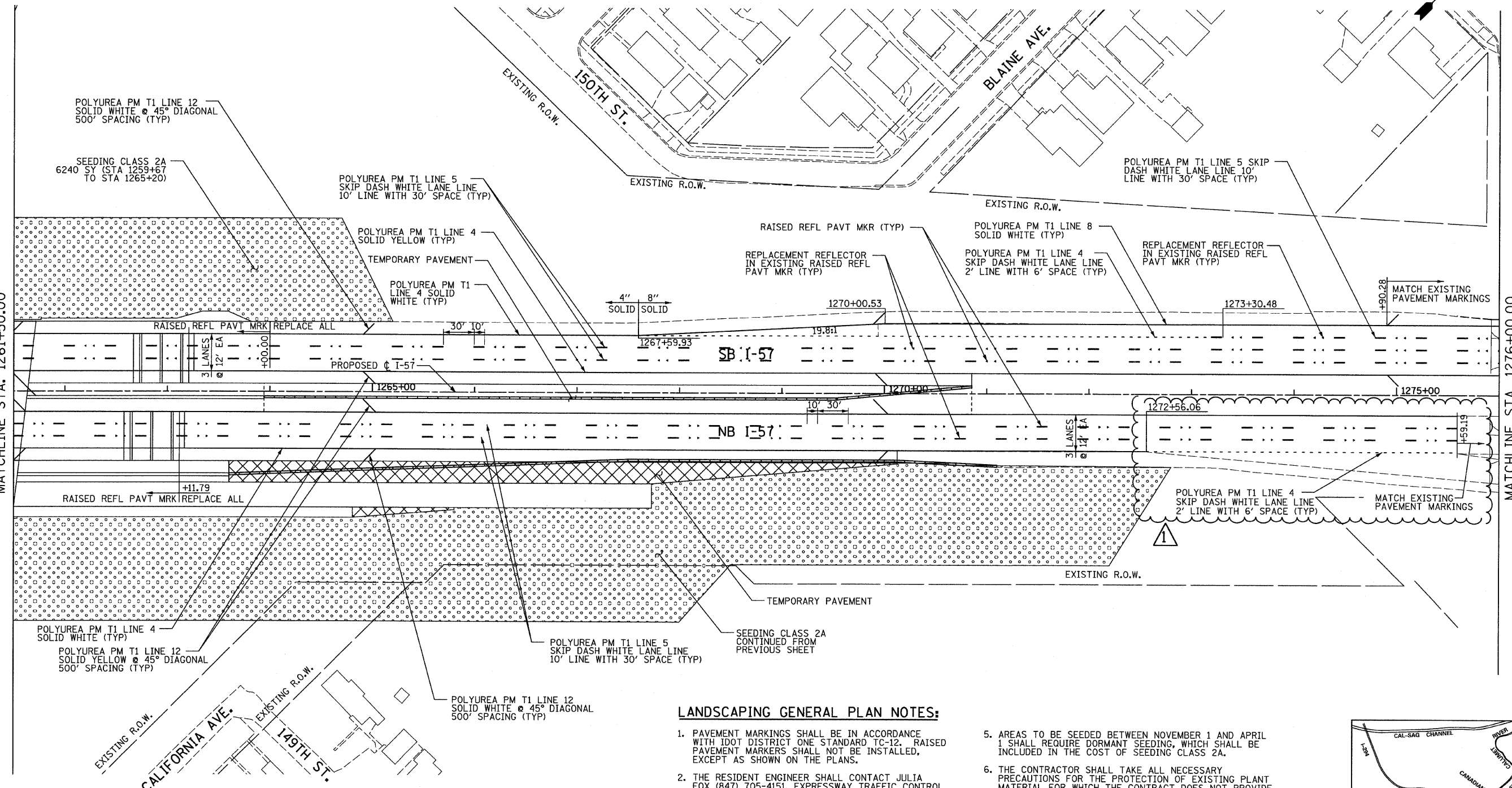
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 AT I-294 INTERCHANGE PROJECT PAVEMENT MARKING AND LANDSCAPING PLANS			
SCALE: 1"=50'	SHEET NO. 7 OF 10 SHEETS	STA. 1247+00 TO STA. 1261+50	F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 57 1414.2B COOK 516 197
			CONTRACT NO. 60J27
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	197
			CONTRACT NO. 60J27	
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

MATCHLINE STA. 1261+50.00

MATCHLINE STA. 1276+00.00



POLYUREA PM T1 LINE 12 SOLID WHITE @ 45° DIAGONAL 500' SPACING (TYP)

SEEDING CLASS 2A 6240 SY (STA 1259+67 TO STA 1265+20)

POLYUREA PM T1 LINE 5 SKIP DASH WHITE LANE LINE 10' LINE WITH 30' SPACE (TYP)

POLYUREA PM T1 LINE 4 SOLID YELLOW (TYP)

TEMPORARY PAVEMENT

POLYUREA PM T1 LINE 4 SOLID WHITE (TYP)

RAISED REFL PAVT MKR (TYP)

REPLACEMENT REFLECTOR IN EXISTING RAISED REFL PAVT MKR (TYP)

POLYUREA PM T1 LINE 8 SOLID WHITE (TYP)

POLYUREA PM T1 LINE 4 SKIP DASH WHITE LANE LINE 2' LINE WITH 6' SPACE (TYP)

POLYUREA PM T1 LINE 5 SKIP DASH WHITE LANE LINE 10' LINE WITH 30' SPACE (TYP)

REPLACEMENT REFLECTOR IN EXISTING RAISED REFL PAVT MKR (TYP)

MATCH EXISTING PAVEMENT MARKINGS

RAISED REFL PAVT MKR REPLACE ALL

PROPOSED I-57

SB I-57

NB I-57

RAISED REFL PAVT MKR REPLACE ALL

POLYUREA PM T1 LINE 4 SKIP DASH WHITE LANE LINE 2' LINE WITH 6' SPACE (TYP)

MATCH EXISTING PAVEMENT MARKINGS

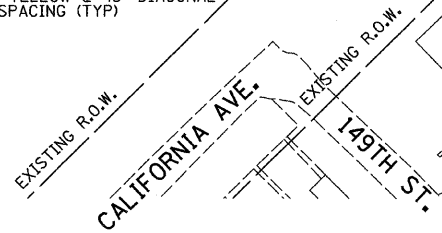
POLYUREA PM T1 LINE 4 SOLID WHITE (TYP)

POLYUREA PM T1 LINE 12 SOLID YELLOW @ 45° DIAGONAL 500' SPACING (TYP)

POLYUREA PM T1 LINE 5 SKIP DASH WHITE LANE LINE 10' LINE WITH 30' SPACE (TYP)

SEEDING CLASS 2A CONTINUED FROM PREVIOUS SHEET

POLYUREA PM T1 LINE 12 SOLID WHITE @ 45° DIAGONAL 500' SPACING (TYP)

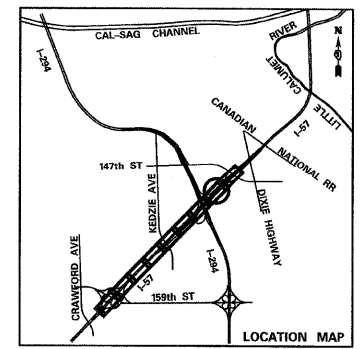


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LEGEND:

EROSION CONTROL BLANKET, SEEDING CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 4"



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - EMK	REVISED Δ ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT PAVEMENT MARKING AND LANDSCAPING PLANS			F.A.I. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
	PLOT SCALE =	DRAWN - EMK	REVISED -		SCALE: 1"=50'	SHEET NO. 8 OF 10 SHEETS	STA. 1261+50 TO STA. 1276+00	57	1414.2B	COOK	516	198	
	PLOT DATE =	CHECKED - JPM	REVISED -										
		DATE - 3/18/2010	REVISED -										
								CONTRACT NO. 60J27					
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

TEMPORARY LIGHTING GENERAL NOTES:

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST IDOT STANDARDS, NATIONAL ELECTRICAL CODE AS WELL AS THE NATIONAL ELECTRICAL SAFETY CODE.
- COORDINATE THE INSTALLATION OF ROADWAY LIGHTING WITH THE CONSTRUCTION STAGING. SEE CONSTRUCTION NOTES LIGHTING SEQUENCE OF CONSTRUCTION:
 STAGE 1 - CONSTRUCTION OF NB CD ROAD BRIDGES - EXISTING NB AND SB POLES REMAIN IN SERVICE NB TEMPORARY LIGHTING PLAN INSTALLATION
 WINTER SHUTDOWN - EXISTING NB AND SB POLES REMAIN IN PLACE
 STAGE 2 - CONSTRUCTION OF NB I-57 BRIDGE - SB POLES REMAIN IN SERVICE NB TEMPORARY LIGHTING OPERATIONAL PER PLAN HMLT SYSTEM CONSTRUCTION
 WINTER SHUTDOWN - PRIOR TO SHUTDOWN/ TRAFFIC SWITCH HMLT ENERGIZED NB TEMPORARY POLES REMOVED SB EXISTING AND TEMP POLES REMOVED NB NEW POLES INSTALLED AND ENERGIZED HMLT IN SERVICE DURING SHUTDOWN
 STAGE 3 - HMLT IN SERVICE
- FOR POLE AND LUMINAIRE DETAILS, REFER TO ELECTRICAL PLANS AND SPECIFICATIONS.
- COORDINATE THE INSTALLATION OF ROADWAY LIGHTING AND UNDERGROUND WORK WITH THE OTHER TRADES.
- IT IS CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTACT J.U.L.I.E. PRIOR TO THE START OF ANY EXCAVATION WORK.
- MATERIAL QUANTITIES ARE APPROXIMATIONS ONLY. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL QUANTITIES PRIOR TO ORDERING MATERIAL.
- A STAGING SCHEDULE FOR MATERIAL INSTALLATION, REMOVAL AND APPROXIMATE DATE OF PROPOSED ENERGIZING OF PERMANENT LIGHTING SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK TO ASSURE COORDINATION WITH THE WORK SCHEDULE.
- ALL PROPOSED LIGHT POLE FOUNDATIONS, LIGHT FIXTURES, UNIT DUCT, AND CONDUIT SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE EXACT LOCATION IS TO BE CONFIRMED IN THE FIELD BY THE RESIDENT ENGINEER.
- CIRCUIT NUMBERING AND DESIGNATIONS SHOWN ON THE PLANS ARE FROM EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY CIRCUIT NUMBERING, CABLE ROUTING AND POWER SOURCES DURING CONSTRUCTION.
- LIGHTING CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE TRAFFIC SURVEILLANCE CONTRACTOR.
- ALL LIGHTING UNITS ALONG I-57 ARE UNDER IDOT JURISDICTION AND SHALL FOLLOW IDOT STANDARDS, DETAILS, AND SPECIFICATIONS. ALL LIGHTING UNITS ALONG I-294 ARE UNDER TOLLWAY JURISDICTION AND SHALL FOLLOW TOLLWAY STANDARDS, SPECIFICATIONS, AND DETAILS AS SHOWN IN THE PLANS.

SUMMARY OF TEMPORARY AND ILLINOIS TOLLWAY LIGHTING QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
ELECTRICAL/LIGHTING QUANTITIES ALONG I-57 (IDOT JURISDICTION)			
81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2682
83057595	LIGHT POLE, WOOD, 100 FOOT, CLASS 4 WITH 15FT MAST ARM	EACH	8
84200500	REMOVAL OF LIGHT UNIT, SALVAGE	EACH	12
84200806	REMOVAL OF POLE FOUNDATION, CONCRETE	EACH	12
X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	26
X8210015	TEMPORARY LUMINAIRE, HIGH PRESSURE, SODIUM VAPOR, 400 WATT	EACH	8
ELECTRICAL/LIGHTING QUANTITIES ALONG I-294 (TOLLWAY JURISDICTION)			
81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	284
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	14
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1
81702110	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.10	FOOT	2360
81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	499
82107300	UNDERPASS LUMINAIRE, 150 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	2
84200806	REMOVAL OF POLE FOUNDATION, CONCRETE	EACH	1
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1
	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	420
	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	20
	LIGHT POLE FOUNDATION (ROADWAY) MEDIAN, TYPE 1	EACH	1
	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	EACH	2
	UNIT DUCT, 600V, 4-1C NO.2, 1/C NO.8 GROUND, (XLP-TYPE USE) 2" DIA., POLYETHYLENE	FOOT	284
X0323651	REMOVE AND REINSTALL EXISTING LIGHTING UNIT	EACH	12

LEGEND:

IDOT ITEMS (I-57)

- EXISTING ROADWAY LIGHTING UNIT TO REMAIN
- EXISTING ROADWAY LIGHTING UNIT AND FOUNDATION TO BE REMOVED, SHOWN ON EXISTING PLANS
- TEMPORARY ROADWAY LIGHTING UNIT 750 WATT ON WOOD POLE CLASS 4, 70' MOUNTING HEIGHT WITH 15' MAST ARM. SHOWN ON PROPOSED PLANS
- PROPOSED AERIAL CABLE, SIZE AS NOTED
- RGS RIGID GALVANIZED STEEL
- ATS CONDUIT ATTACHED TO STRUCTURE
- EIS CONDUIT EMBEDDED IN STRUCTURE
- UD UNIT DUCT, (SIZE AS SHOWN)
- EOP EDGE OF TRAVELLED PAVEMENT
- O/S OFFSET
- SS STAINLESS STEEL
- (E) EXISTING

TOLLWAY ITEMS (I-294 & UNDERPASS)

- EXISTING TOLLWAY MEDIAN LIGHTING UNIT TO REMAIN
- EXISTING TOLLWAY MEDIAN LIGHTING UNIT TO BE RELOCATED SHOWN ON EXISTING PLANS
- EXISTING TOLLWAY MEDIAN LIGHTING UNIT TO BE RELOCATED SHOWN ON PROPOSED PLANS
- EXISTING CONDUIT EMBEDDED IN STRUCTURE
- ===== PROPOSED CONDUIT OF THE TYPE AND SIZE SPECIFIED
- A — PROPOSED AERIAL CABLE WITH MESSINGER WIRE
- PROPOSED JUNCTION BOX
- PROPOSED 150W HPS UNDERPASS LUMINAIRE
- EXISTING 150W HPS UNDERPASS LUMINAIRE
- PROPOSED MEDIAN BARRIER WALL EMBEDDED JUNCTION BOX
- EXISTING MEDIAN BARRIER WALL EMBEDDED JUNCTION BOX

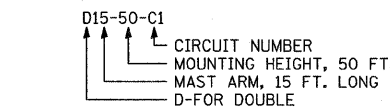
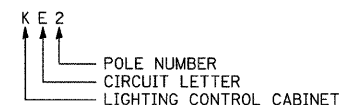
IDOT DISTRICT 1 STANDARDS

- BE-800: TEMPORARY LIGHT POLE DETAIL
- BE-801: TEMPORARY AERIAL CABLE INSTALLATION
- BE-702: MISC. ELECTRICAL DETAILS - SHEET A

TOLLWAY STANDARDS

- STANDARD H2-00: LIGHT STANDARD POLE WIRING
- STANDARD H8-00: MEDIAN BARRIER LIGHT POLE FOUNDATION DETAILS - TYPE 1 CENTERED CASSION, 42" BARRIER

IDOT LIGHT POLE DESIGNATION:



SHEET E1

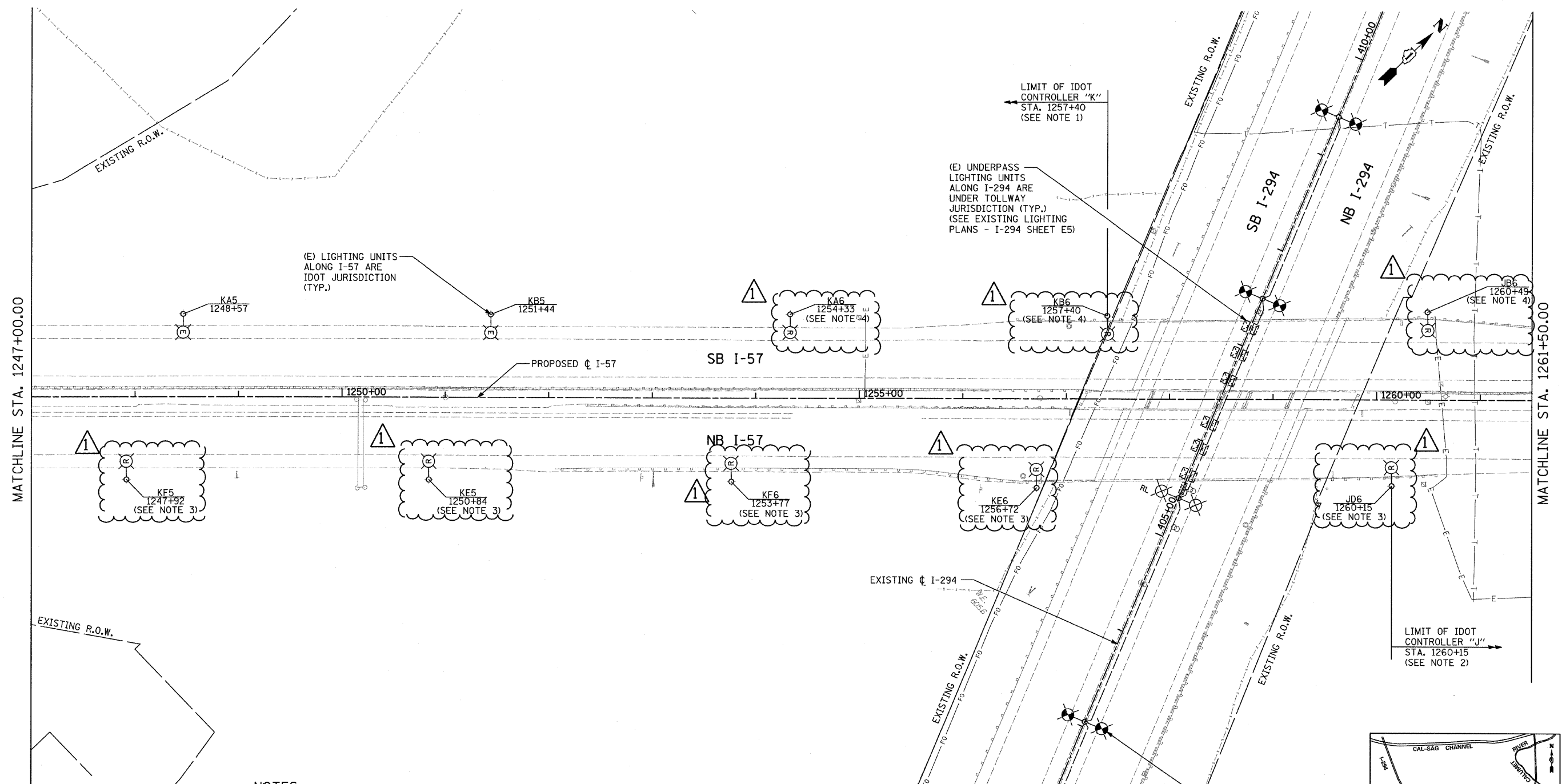
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	PLOT SCALE =	DRAWN - CAC	REVISED ADDENDUM 1 05/24/10
	PLOT DATE =	CHECKED - DAJ	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

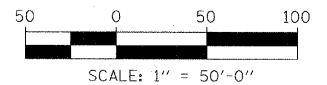
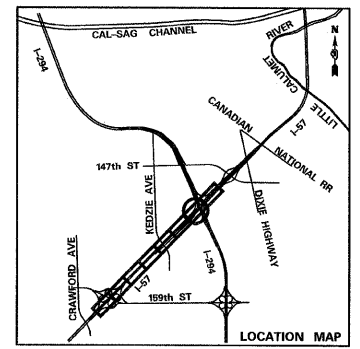
**I-57 AT I-294 INTERCHANGE PROJECT
LIGHTING GENERAL NOTES, LEGEND, AND QUANTITIES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	201
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60J27	

SCALE: NONE SHEET NO. 1 OF 1 SHEET STA. TO STA.



- NOTES:**
1. IDOT LIGHTING CONTROLLER "K" IS LOCATED AT I-57 STA. 1238+45 ALONG SB I-57.
 2. IDOT LIGHTING CONTROLLER "J" IS LOCATED AT I-57 STA. 1286+79 ALONG NB I-57 ON 147TH STREET.
 3. POLE NOT TO BE REMOVED UNTIL TEMPORARY POLES ARE ENERGIZED (STAGE 2).
 4. POLE NOT TO BE REMOVED UNTIL HIGH MAST LIGHT TOWERS ARE ENERGIZED (AFTER STAGE 2).



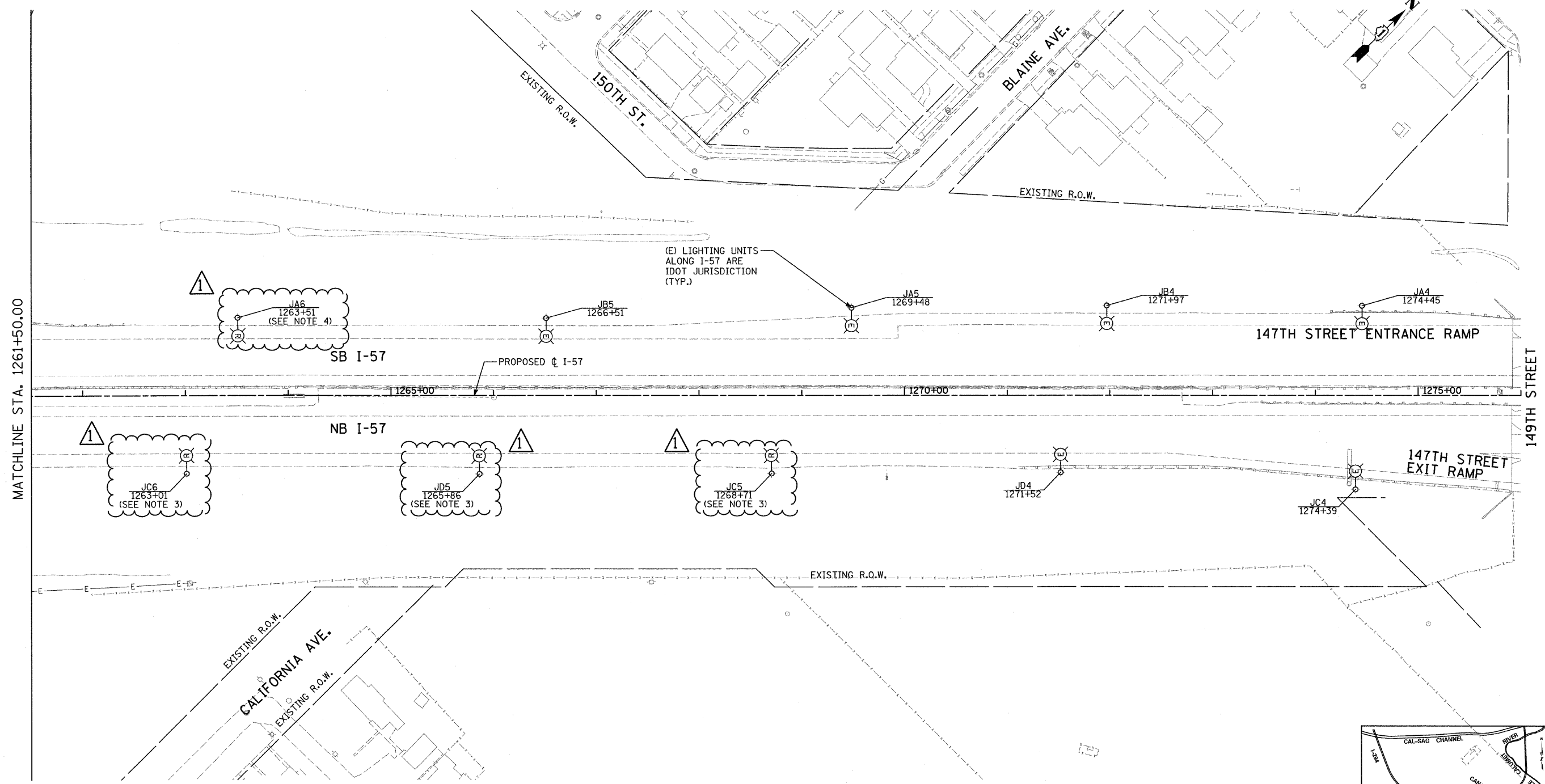
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - JDF	REVISED -
	PLOT DATE =	CHECKED - DAJ	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

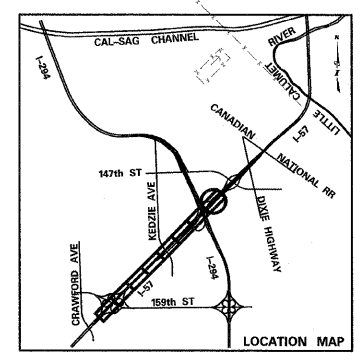
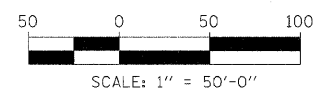
**I-57 AT I-294 INTERCHANGE PROJECT
EXISTING LIGHTING AND REMOVAL PLAN - I-57**

F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 203
CONTRACT NO. 60J27			ILLINOIS FED. AID PROJECT	

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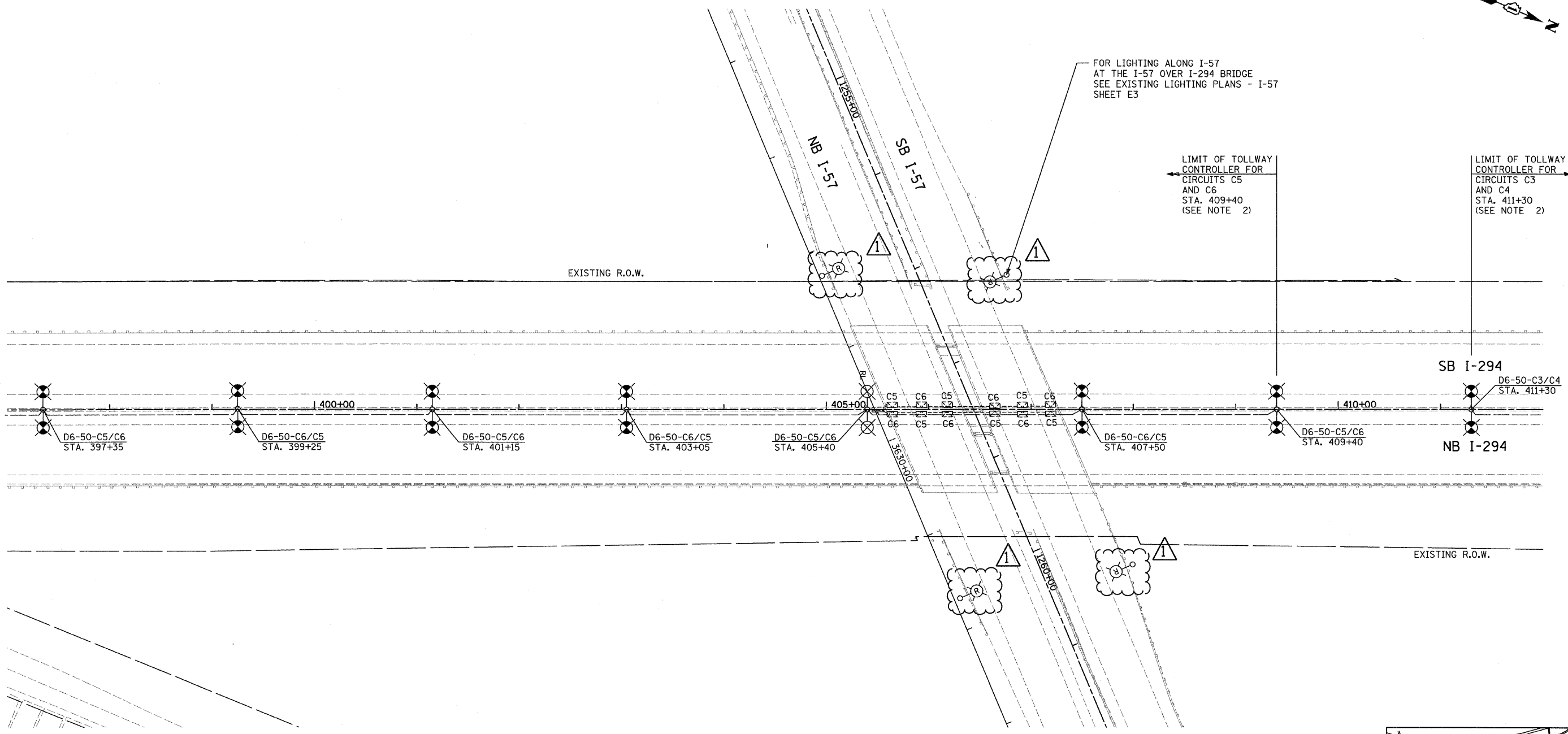


- NOTES:**
1. IDOT LIGHTING CONTROLLER "K" IS LOCATED AT I-57 STA. 1238+45 ALONG SB I-57.
 2. IDOT LIGHTING CONTROLLER "J" IS LOCATED AT I-57 STA. 1286+79 ALONG NB I-57 ON 147TH STREET.
 3. POLE NOT TO BE REMOVED UNTIL TEMPORARY POLES ARE ENERGIZED (STAGE 2).
 4. POLE NOT TO BE REMOVED UNTIL HIGH MAST LIGHT TOWERS ARE ENERGIZED (AFTER STAGE 2).



SHEET E4

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ - ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT EXISTING LIGHTING AND REMOVAL PLAN - I-57	F.A.I. RTE. = 57	SECTION = 1414.2B	COUNTY = COOK	TOTAL SHEETS = 516	SHEET NO. = 204	
	PLLOT SCALE =	DRAWN - CAC	REVISED -			SCALE: 1" = 50'	SHEET NO. 3 OF 4 SHEETS	STA. 1261+50 TO STA. 1276+00	FED. ROAD DIST. NO. = [ILLINOIS]	FED. AID PROJECT	CONTRACT NO. = 60J27
	PLLOT DATE =	CHECKED - DAJ	REVISED -								
		DATE - 3/18/2010	REVISED -								



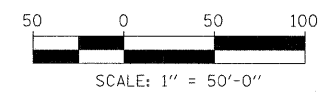
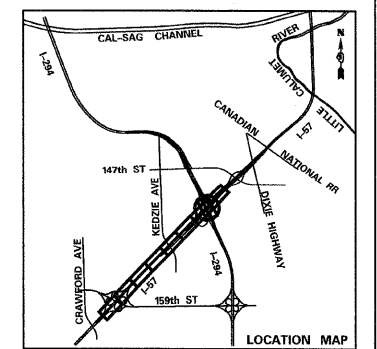
FOR LIGHTING ALONG I-57
AT THE I-57 OVER I-294 BRIDGE
SEE EXISTING LIGHTING PLANS - I-57
SHEET E3

← LIMIT OF TOLLWAY
CONTROLLER FOR
CIRCUITS C5
AND C6
STA. 409+40
(SEE NOTE 2)

LIMIT OF TOLLWAY
CONTROLLER FOR
CIRCUITS C3
AND C4
STA. 411+30
(SEE NOTE 2) →

NOTES:

1. THE TOLLWAY LIGHTING CONTROLLER FOR CIRCUITS C5 AND C6 IS LOCATED AT I-294 STA. 387+92 ALONG SB I-294
2. THE TOLLWAY LIGHTING CONTROLLER FOR CIRCUITS C3 AND C4 IS LOCATED AT I-294 STA. 443+98 ALONG NB I-294



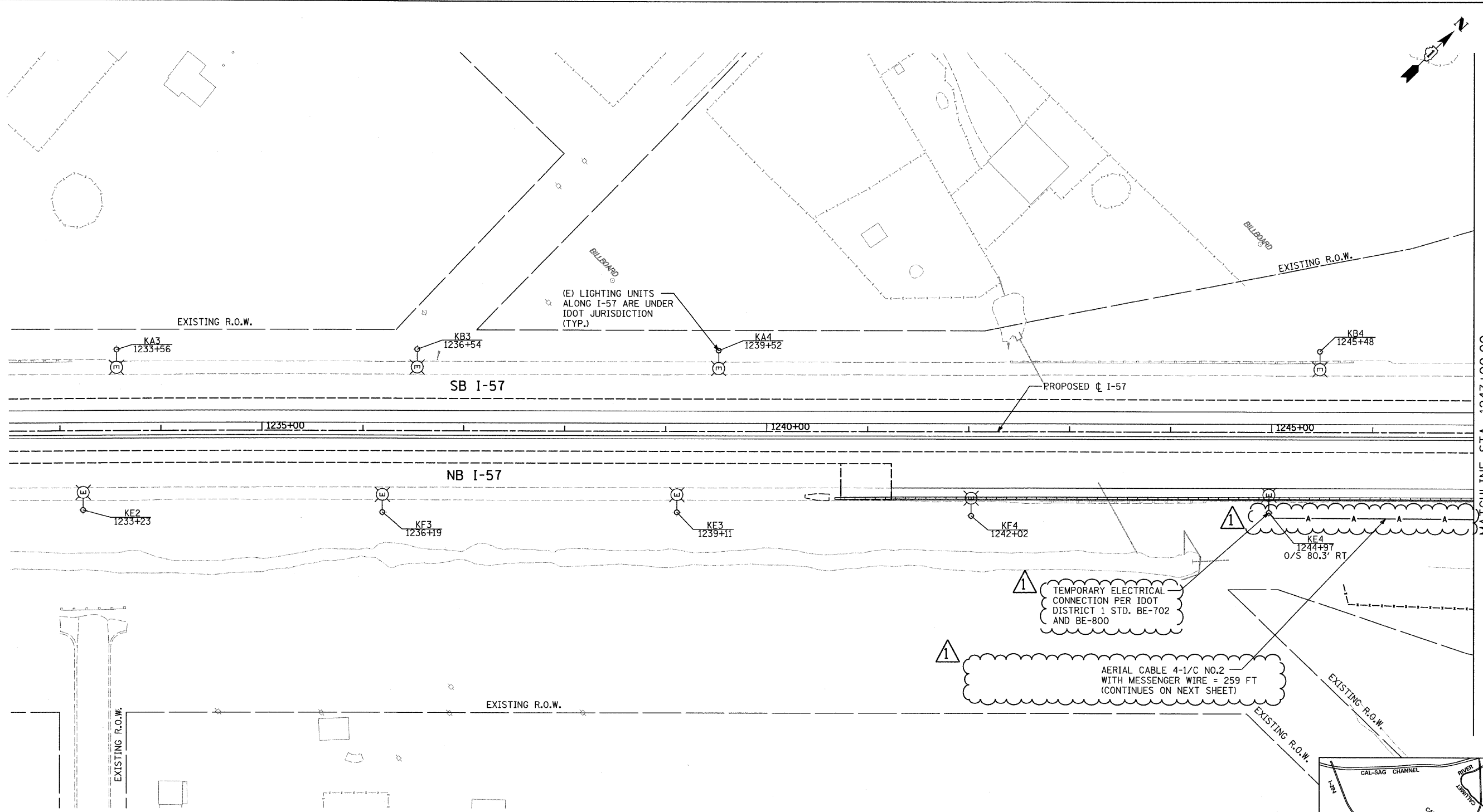
SHEET E5

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ - ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT EXISTING LIGHTING PLAN - I-294			F.A.I. RTE. = 57	SECTION = 1414.2B	COUNTY = COOK	TOTAL SHEETS = 516	SHEET NO. = 205	
	PLOT SCALE =	DRAWN - JDF	REVISED -		SCALE: 1" = 50'	SHEET NO. 4 OF 4 SHEETS	STA. 397+00 TO STA. 412+00	CONTRACT NO. 60J27					
	PLOT DATE =	CHECKED - DAJ	REVISED -		FED. ROAD DIST. NO. = ILLINOIS FED. AID PROJECT								
		DATE - 3/18/2010	REVISED -										

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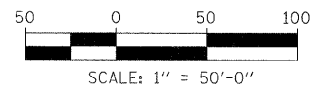
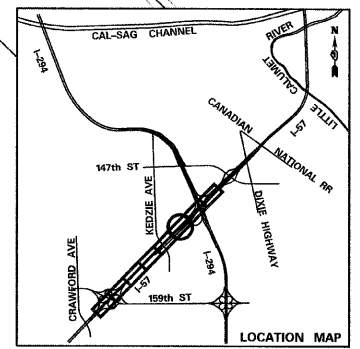


(E) LIGHTING UNITS
ALONG I-57 ARE UNDER
IDOT JURISDICTION
(TYP.)

TEMPORARY ELECTRICAL
CONNECTION PER IDOT
DISTRICT 1 STD. BE-702
AND BE-800

AERIAL CABLE 4-1/C NO.2
WITH MESSENGER WIRE = 259 FT
(CONTINUES ON NEXT SHEET)

- NOTES:**
- IDOT LIGHTING CONTROLLER "K" IS LOCATED AT I-57 STA. 1238+45 ALONG SB I-57.
 - IDOT LIGHTING CONTROLLER "J" IS LOCATED AT I-57 STA. 1286+79 ALONG NB I-57 ON 147TH STREET.



MATCHLINE STA. 1247+00.00

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - JDF	REVISED -
	PLOT DATE =	CHECKED - DAJ	REVISED -
		DATE - 3/18/2010	REVISED -

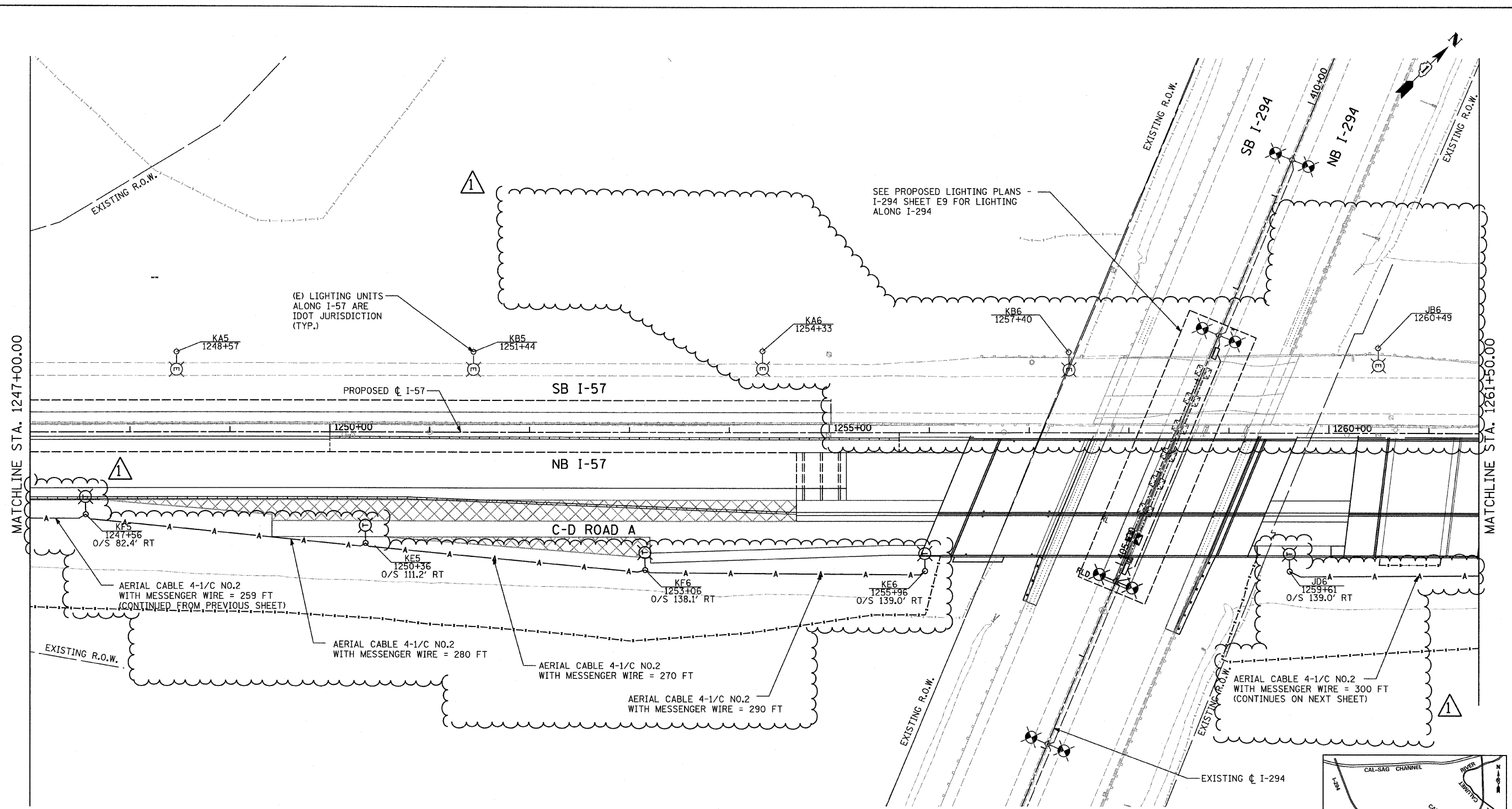
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 AT I-294 INTERCHANGE PROJECT
PROPOSED STAGE 2 TEMPORARY LIGHTING PLANS - I-57

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 1232+50 TO STA. 1247+00

F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 206
CONTRACT NO. 60J27			ILLINOIS FED. AID PROJECT	

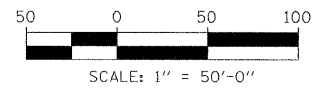
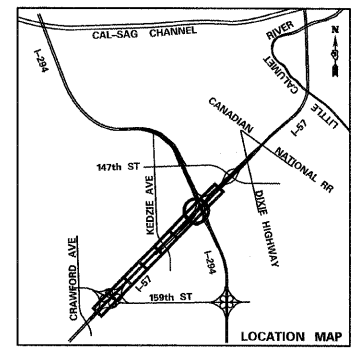
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SEE PROPOSED LIGHTING PLANS
I-294 SHEET E9 FOR LIGHTING
ALONG I-294

(E) LIGHTING UNITS
ALONG I-57 ARE
IDOT JURISDICTION
(TYP.)

- NOTES:**
1. IDOT LIGHTING CONTROLLER "K" IS LOCATED AT I-57 STA. 1238+45 ALONG SB I-57.
 2. IDOT LIGHTING CONTROLLER "J" IS LOCATED AT I-57 STA. 1286+79 ALONG NB I-57 ON 147TH STREET.

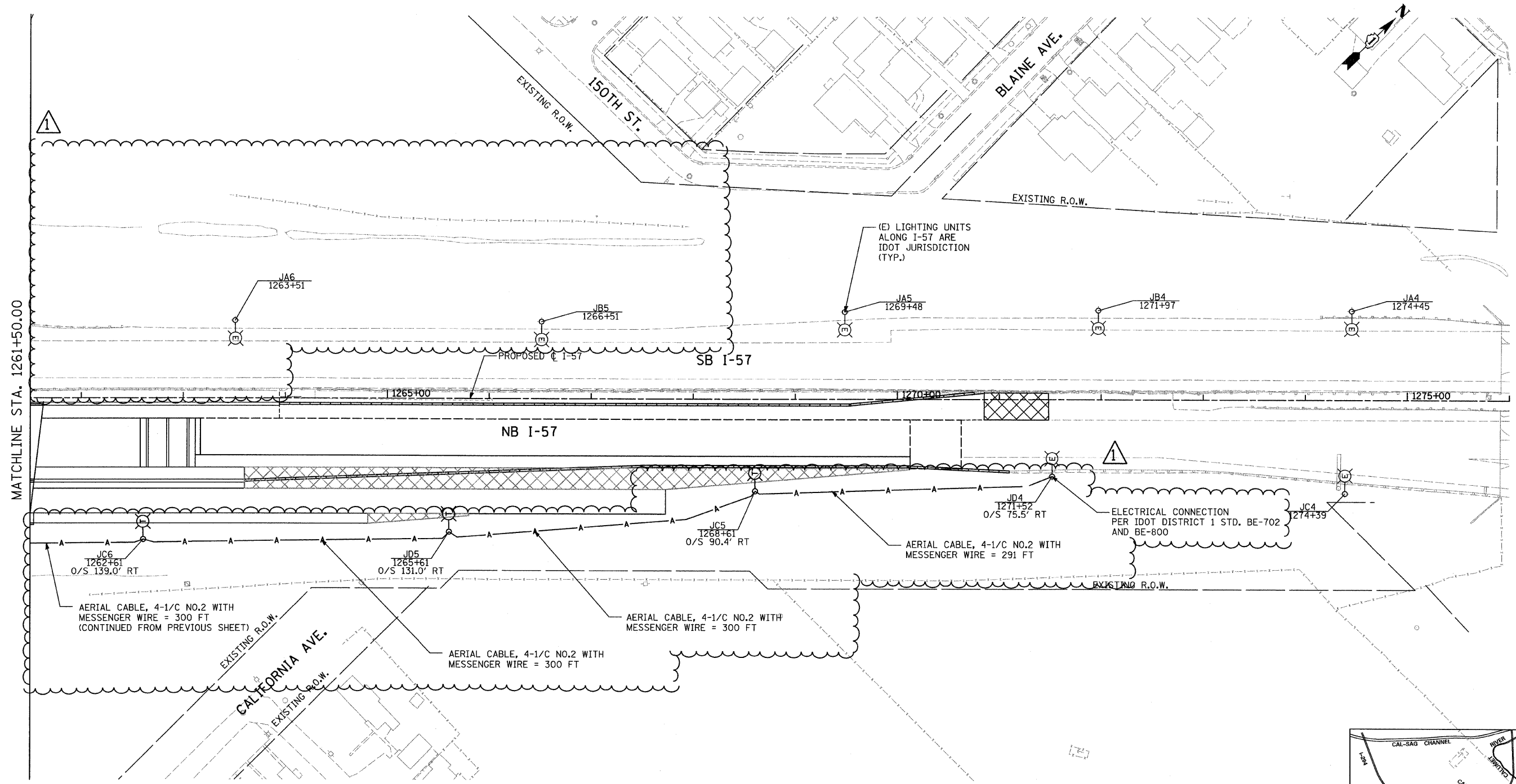


SHEET E7

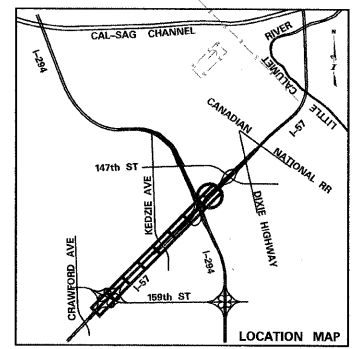
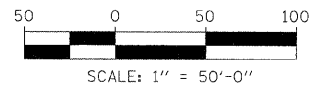
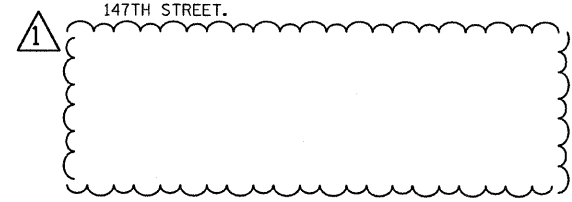
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ - ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT PROPOSED STAGE 2 TEMPORARY LIGHTING PLANS - I-57	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - JDF	REVISED -			57	1414.2B	COOK	516	207
	PLOT DATE =	CHECKED - DAJ	REVISED -			CONTRACT NO. 60J27				
		DATE - 3/18/2010	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					SCALE: 1" = 50'	SHEET NO. 2 OF 4 SHEETS		STA. 1247+00 TO STA. 1261+50		

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- NOTES:**
1. IDOT LIGHTING CONTROLLER "K" IS LOCATED AT I-57 STA. 1238+45 ALONG SB I-57.
 2. IDOT LIGHTING CONTROLLER "J" IS LOCATED AT I-57 STA. 1286+79 ALONG NB I-57 ON 147TH STREET.



SHEET E8

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - JDF	REVISED -
	PLOT DATE =	CHECKED - DAJ	REVISED -
		DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 AT I-294 INTERCHANGE PROJECT
PROPOSED STAGE 2 TEMPORARY LIGHTING PLANS - I-57

SCALE: SHEET NO. 3 OF 4 SHEETS STA. 1261+50 TO STA. 1276+00

F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 208
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 60J27	

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LIGHTING GENERAL NOTES:

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST IDOT STANDARDS, NATIONAL ELECTRICAL CODE AS WELL AS THE NATIONAL ELECTRICAL SAFETY CODE.
- COORDINATE THE INSTALLATION OF ROADWAY LIGHTING WITH THE CONSTRUCTION STAGING.
- FOR POLE TOWER AND LUMINAIRE DETAILS, REFER TO ELECTRICAL PLANS AND SPECIFICATIONS.
- COORDINATE THE INSTALLATION OF ROADWAY LIGHTING AND UNDERGROUND WORK WITH THE OTHER TRADES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLE AND TOWER FOUNDATIONS, CENTER LINE OF TRENCH AND PUSHES AND THE LIGHTING CONTROLLER FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- NO SPLICES SHALL BE MADE IN CONDUIT, UNIT DUCT OR HANDHOLES. THESE SHALL BE MADE IN POLE BASES OR ABOVE GROUND JUNCTION BOXES IN AN APPROVED MANNER.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK." THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR THE COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIKE SHALL REMAIN WITH THE CONTRACTOR.
- NO LIGHT POLES OR TOWERS SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED AS APPROVED BY THE ENGINEER.
- TO MAINTAIN STRUCTURAL INTEGRITY OF THE LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT POLES SHALL NOT BE PAID UNTIL THE LUMINAIRES ARE INSTALLED.
- NO EQUIPMENT OR MATERIAL SHALL BE DELIVERED TO THE JOB SITE PRIOR TO THE APPROVAL AND INSPECTION BY THE ENGINEER. ANY EQUIPMENT OR MATERIAL DELIVERED TO THE JOB SITE PRIOR TO APPROVAL AND INSPECTION SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
- THE UNIT DUCT AND CONDUIT SHALL BE INSTALLED MIN. 30 INCHES BELOW FINISHED GRADE (UNLESS DIRECTED OTHERWISE) COMPLETE WITH WARNING TAPE. CONTRACTOR SHALL HANDDIG TEST HOLES FOR EVERY 1000 FT. OF TRENCHING/PLOWING FOR ENGINEER'S APPROVAL OF THE INSTALLATION.
- IT IS CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTACT J.U.L.I.E. PRIOR TO THE START OF ANY EXCAVATION WORK.
- MATERIAL QUANTITIES ARE APPROXIMATIONS ONLY. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL QUANTITIES PRIOR TO ORDERING MATERIAL.
- A STAGING SCHEDULE FOR MATERIAL INSTALLATION, REMOVAL AND APPROXIMATE DATE OF PROPOSED ENERGIZING OF PERMANENT LIGHTING SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK TO ASSURE COORDINATION WITH THE WORK SCHEDULE.
- ALL PROPOSED LIGHT POLE OR TOWER FOUNDATIONS, LIGHT FIXTURES, UNIT DUCT, AND CONDUIT SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE EXACT LOCATION IS TO BE CONFIRMED IN THE FIELD BY THE RESIDENT ENGINEER.
- EACH WIRE SHALL BE IDENTIFIED AT EACH POLE BY APPROPRIATE CONTROLLER AND CIRCUIT NUMBER.
- CONTRACTOR SHALL SUBMIT "RECORD DRAWINGS" A MINIMUM OF 7 DAYS PRIOR TO THE FINAL INSPECTION. "RECORD DRAWINGS" SHALL BE UPDATED REGULARLY DURING CONSTRUCTION AND INDICATE ALL LIGHTING MATERIAL INSTALLATION WITH ANY CHANGES IN RED.
- CONTRACTOR TO VERIFY FOUNDATION BOLT PATTERN PRIOR TO CONSTRUCTING FOUNDATIONS.
- CONTRACTOR'S STAGING AREA SHALL BE AS DIRECTED IN THE PRE-CONSTRUCTION MEETING.
- CIRCUIT NUMBERING AND DESIGNATIONS SHOWN ON THE PLANS ARE FROM EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY CIRCUIT NUMBERING, CABLE ROUTING AND POWER SOURCES DURING CONSTRUCTION.
- LIGHTING CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE TRAFFIC SURVEILLANCE CONTRACTOR.
- ALL LIGHTING UNITS ALONG I-57 ARE UNDER IDOT JURISDICTION AND SHALL FOLLOW IDOT STANDARDS, DETAILS, AND SPECIFICATIONS. ALL LIGHTING UNITS ALONG I-294 ARE UNDER TOLLWAY JURISDICTION AND SHALL FOLLOW TOLLWAY STANDARDS, SPECIFICATIONS, AND DETAILS AS SHOWN IN THE PLANS.
- FOUNDATION DEPTH "D" FOR 130 FT LIGHT TOWER SHALL BE AS FOLLOWS:
(FOR ALL OTHER DETAILS, REFER TO HIGH MAST LIGHT TOWER FOUNDATION DETAIL (BE-501))

MOUNTING HEIGHT	SOIL CONDITIONS					
	SOFT CLAY Qu = 0.375 TONS/SQ. FT	MEDIUM CLAY Qu = 0.75 TONS/SQ. FT	STIFF CLAY Qu = 1.50 TONS/SQ. FT	LOOSE SAND Ø = 34°	MEDIUM SAND Ø = 37.5°	DENSE SAND Ø = 40°
130 FT (39 m)	43 FT	30 FT	22 FT	22 FT	20 FT	19 FT

SUMMARY OF PROPOSED ELECTRICAL/LIGHTING QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	34
81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	247
81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	4
81603203	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (EPR-TYPE RHW), 1 1/2" DIA. POLYETHYLENE	FOOT	3637
81900200	TRENCH BACKFILL FOR ELECTRICAL WORK	FOOT	3390
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400W	EACH	2
82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	40
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	2
83504700	LIGHT TOWER, 120 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 12	EACH	7
83505700	LIGHT TOWER, 130 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 12	EACH	1
83700250	LIGHT TOWER FOUNDATION, 44" DIAMETER	FOOT	170
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	30
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
X0322434	LIGHT TOWER SERVICE PAD, SPECIAL	EACH	8
X0325132	SHAPING AND GRADING AT HIGH MAST LIGHT TOWER	SQ YD	170
X8360360	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	2

LEGEND:

- IDOT ITEMS (I-57)**
- EXISTING ROADWAY LIGHTING UNIT TO REMAIN
 - EXISTING ROADWAY LIGHTING UNIT AND FOUNDATION TO BE REMOVED. SHOWN ON EXISTING PLANS
 - PROPOSED ROADWAY LIGHTING UNIT, ALUMINUM POLE, 47.5 FT M.H., 15 FT MAST ARM, 400 WATT
 - PROPOSED UNIT DUCT IN TRENCH, SIZE AS NOTED
 - RGS RIGID GALVANIZED STEEL
 - ATS CONDUIT ATTACHED TO STRUCTURE
 - EIS CONDUIT EMBEDDED IN STRUCTURE
 - UD UNIT DUCT
 - EOP EDGE OF TRAVELLED PAVEMENT
 - O/S OFFSET
 - SS STAINLESS STEEL
 - (E) EXISTING
 - GROUND ROD OR GROUND ROD ARRAY (SEE FOUNDATION DETAILS)
 - PROPOSED HIGH MAST LIGHT TOWER AND 400 WATT LUMINAIRES.

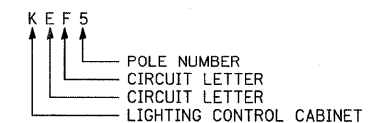
HMLT FOUNDATION ELEVATIONS

LIGHT TOWER	STATION	OFFSET	POLE HEIGHT	FOUNDATION ELEVATION
KEF5	1247+15	160.7' RT	120 FT	607.00
KEF6	1251+27	176.6' RT	130 FT	607.00
KEF7	1255+62	134.6' RT	120 FT	628.44
KAB6	1255+63	95.4' LT	120 FT	626.87
JCD7	1259+79	135.4' RT	120 FT	629.45
JAB7	1260+39	87.3' LT	120 FT	622.44
JCD6	1264+00	136.4' RT	120 FT	624.94
JAB6	1264+31	104.0' LT	120 FT	619.84

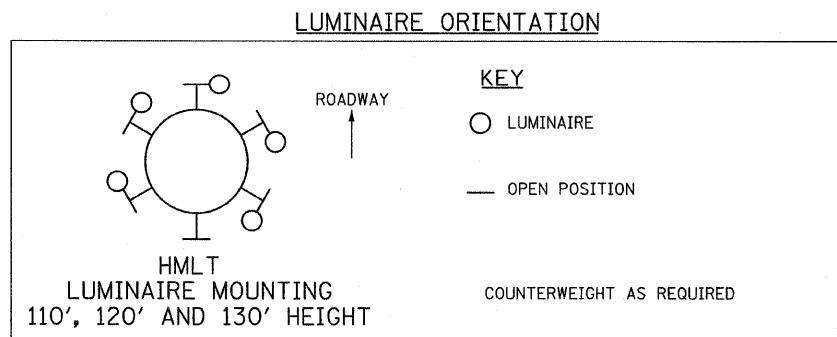
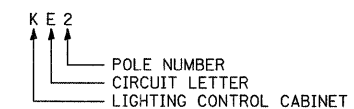
IDOT DISTRICT 1 STANDARDS

- BE-305: LIGHT POLE FOUNDATION, METAL
- BE-400: ALUMINUM LIGHT POLE 47'-6" MOUNTING HEIGHT
- BE-500: HIGH MAST LIGHT TOWER 90 FT TO 120 FT
- BE-501: HIGH MAST LIGHT TOWER 90 FT TO 120 FT FOUNDATION DETAILS
- BE-505: HIGH MAST LIGHT TOWER 130 FT TO 150 FT
- BE-702: MISC. ELECTRICAL DETAILS - SHEET A

IDOT HIGH MAST LIGHT TOWER DESIGNATION:



IDOT LIGHT POLE DESIGNATION:



NEW SHEET

SHEET E16

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN - CAC	REVISED -
	PLOT DATE =	CHECKED - DAJ	REVISED -
		DATE - 3/18/2010	REVISED -

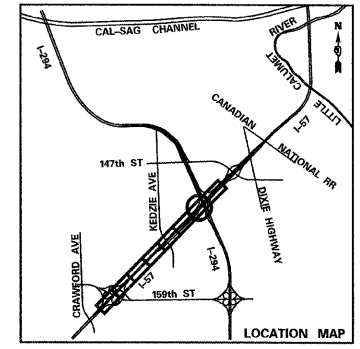
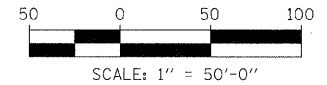
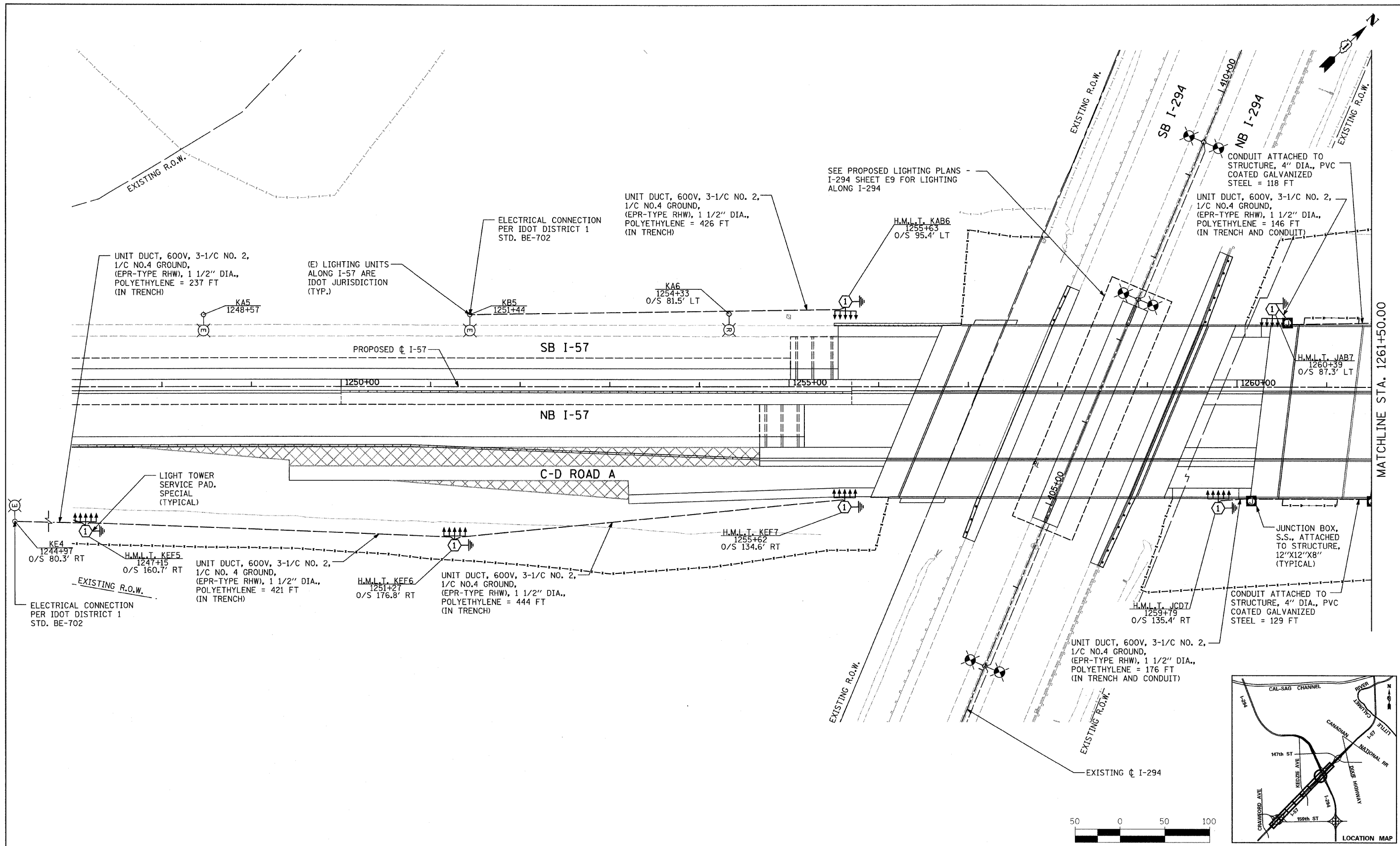
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 AT I-294 INTERCHANGE PROJECT
PROPOSED LIGHTING GENERAL NOTES, LEGEND, AND QUANTITIES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	209A
CONTRACT NO. 60J27			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

SCALE: NONE SHEET NO. 1 OF 1 SHEET STA. TO STA.

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NEW SHEET SHEET E17

TYLIN INTERNATIONAL

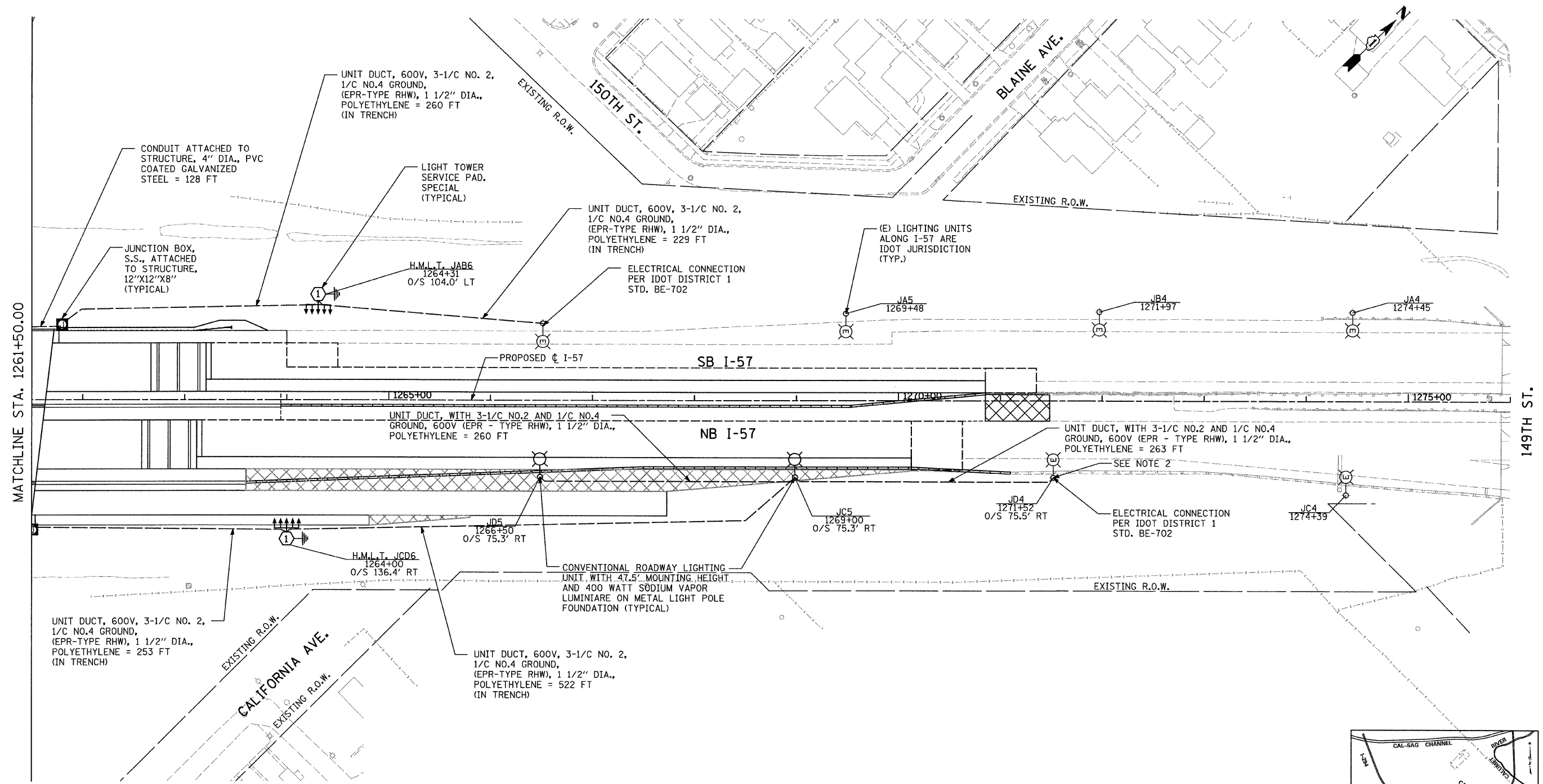
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	DATE - 3/18/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

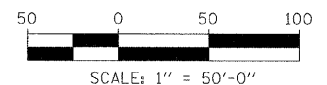
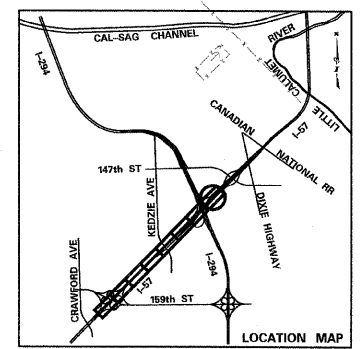
**I-57 AT I-294 INTERCHANGE PROJECT
PROPOSED LIGHTING PLANS - I-57**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 1247+00 TO STA. 1261+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	207B
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60J27	



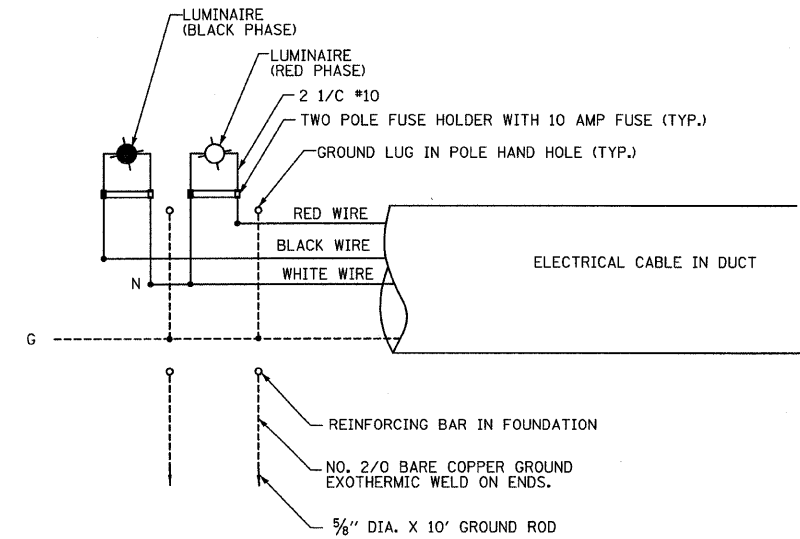
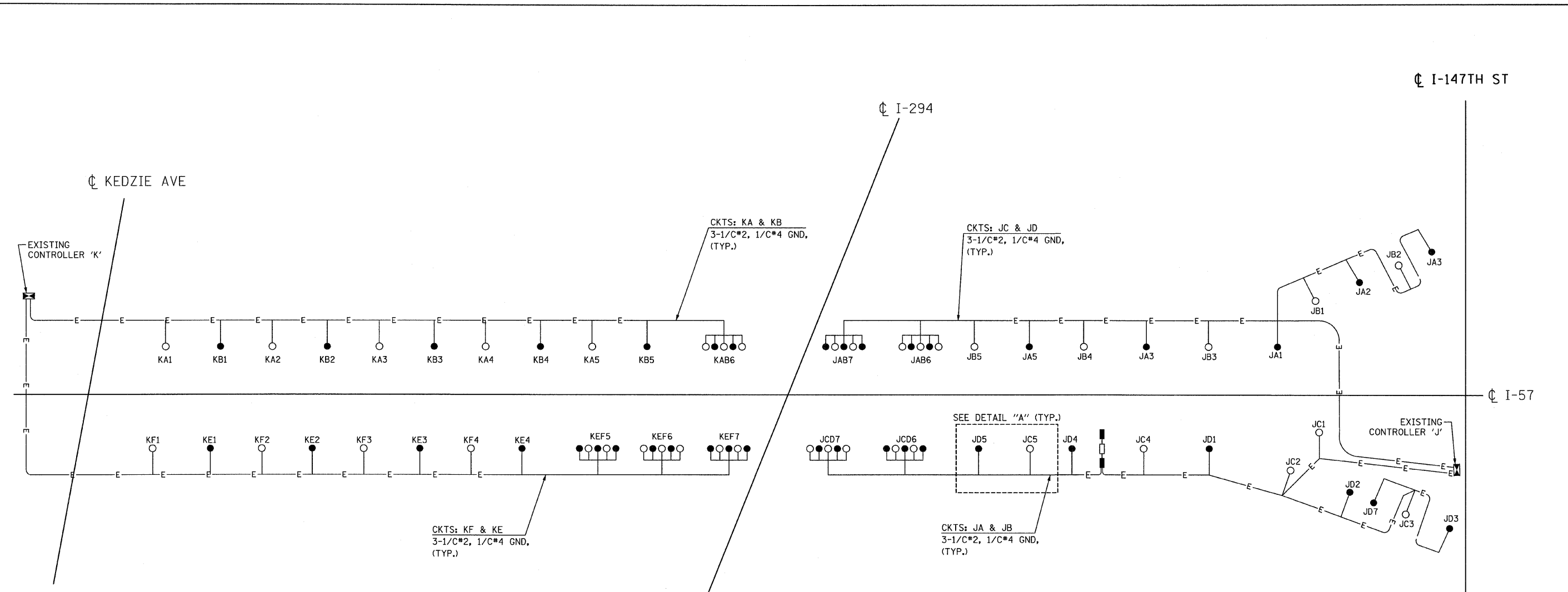
NOTES:
 1. IDOT LIGHTING CONTROLLER "J" IS LOCATED AT I-57 STA. 1286+79 ALONG NB I-57 ON 147TH STREET.



NEW SHEET SHEET E18

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED Δ ADDENDUM 1 05/24/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT PROPOSED LIGHTING PLANS - I-57			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - JDF	REVISED -					57	1414.2B	COOK	516	207C
	PLOT DATE =	CHECKED - DAJ	REVISED -					CONTRACT NO. 60J27				
		DATE - 3/18/2010	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE: 1"=50'			SHEET NO. 2 OF 2 SHEETS		STA. 1261+50 TO STA. 1276+00			

P:\0254057-294\road\elec\im\in_10-0523\Wiring Plan e-01.dgn
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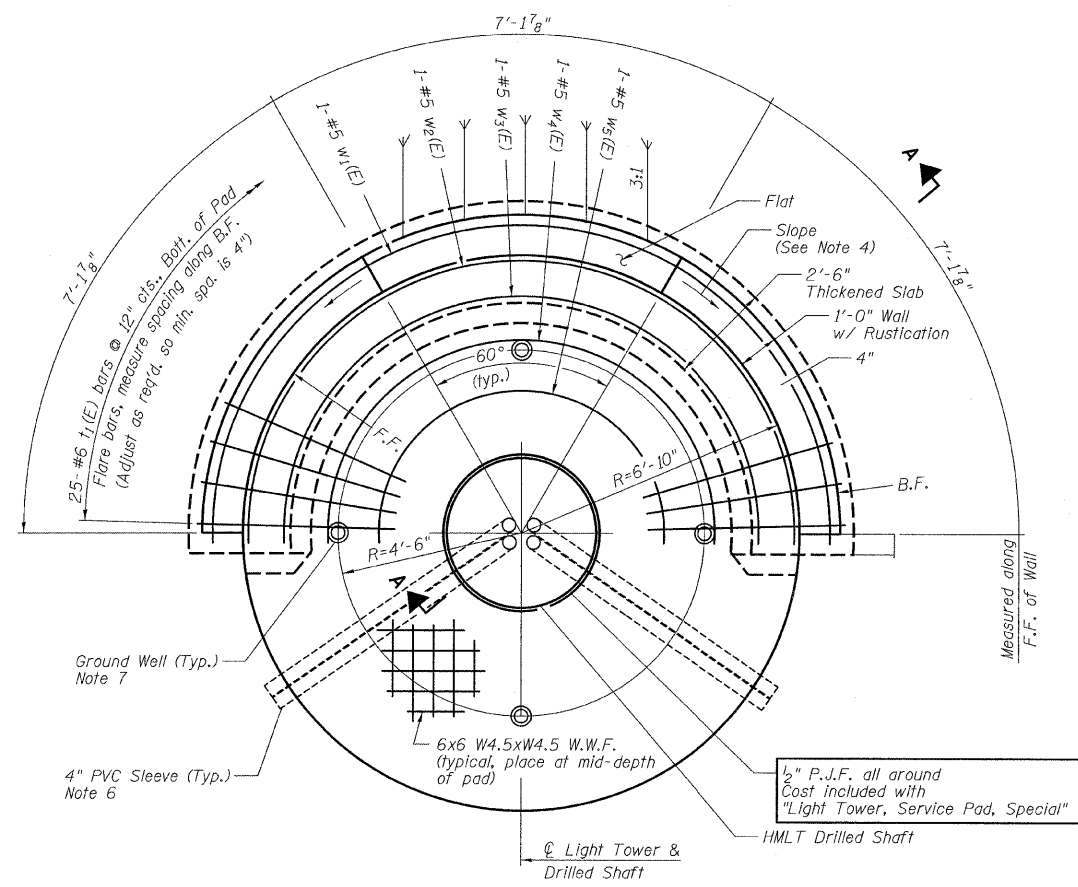
DETAIL "A"
LUMINAIRE WIRING CONNECTION (TYP.)

- LEGEND:**
- 47.5FT M.H., 15FT M.A., 400W HPS LUMINAIRE, 240V, (RED PHASE)
 - 47.5FT M.H., 15FT M.A., 400W HPS LUMINAIRE, 240V, (BLACK PHASE)
 - ⊠ EXISTING LIGHTING CONTROLLER,
 - ⊞ HIGH MAST TOWER, WITH (5) 400W HPS TYPE MC-III LUMINAIRE, 240V (OPEN - RED PHASE, SOLID - BLACK PHASE) (SEE SHEET E16 FOR MOUNTING HEIGHT)
 - SIGN LUMINAIRE

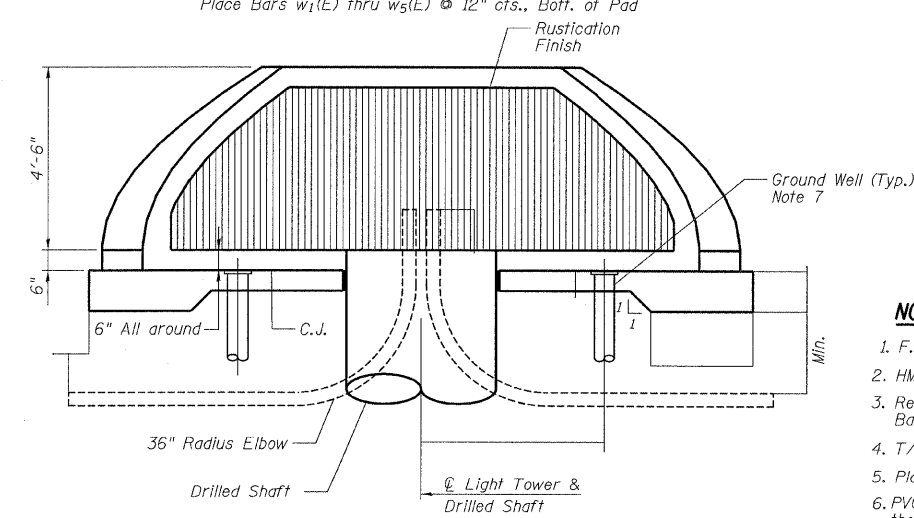
NEW SHEET SHEET E19

USER NAME = PLDT SCALE = PLDT DATE =			DESIGNED - DRAWN - CHECKED - DATE - 3/18/2010			REVISED Δ - ADDENDUM 1 05/24/10 REVISED - REVISED - REVISED -			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			I-57 AT I-294 INTERCHANGE PROJECT PROPOSED WIRING LINE DIAGRAM - I-57			F.A.I. RTE. 57 SECTION 1414.2B COUNTY COOK TOTAL SHEETS 516 SHEET NO. 209D CONTRACT NO. 60J27								
SCALE: NONE						SHEET NO. 1 OF 1 SHEET						STA. TO STA.						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

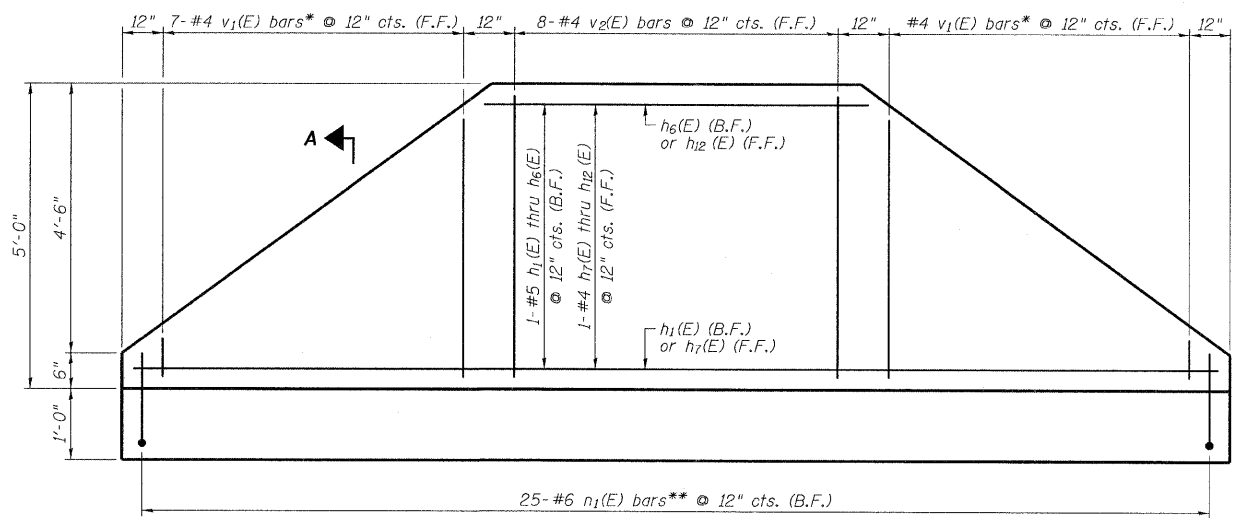
P:\0254057-294\road\elec\im\in_10-0523\Wiring Plan e-01.dgn



PLAN VIEW



ELEVATION VIEW
(HMLT not shown for clarity)



5'-0" RETAINING WALL ELEVATION (PROJECTED)
(Looking at F.F.)

NOTES

1. F.F. and B.F. denote Front Face and Back Face, respectively.
2. HMLT denotes High Mast Light Tower.
3. Refer to HMLT Service Pad, Special & Retaining Wall Details 2 for Bar Bending Diagrams, Bill of Material, Bar Sections and Details.
4. T/Wall slope is constant along the arc of any given radius.
5. Place horizontal tails of $n_1(E)$ bars radially.
6. PVC sleeves must be extended 6 inches beyond the edge of the concrete pad (PVC sleeve shall be included in the cost of Light Tower Service Pad, Special).
7. Adjust service pad reinforcement to miss wells. Any necessary vertical adjustments shall be included in the cost of Light Tower Service Pad, Special.

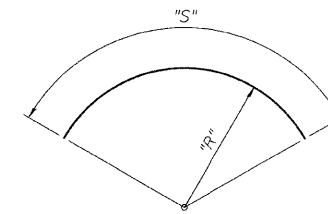
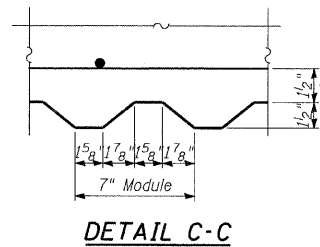
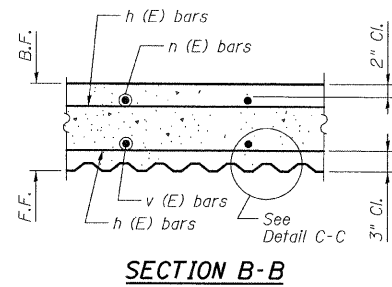
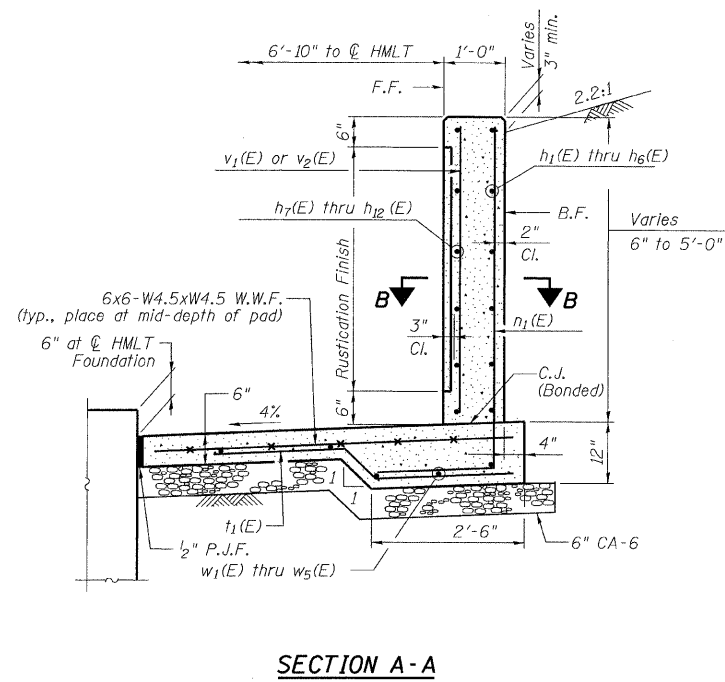
* Cut to fit, use remainder of bars at opposite end of wall. See Cutting Diagram (Detail sheet 2 of 2)
** Cut to fit where necessary, discard excess.

TYLIN INTERNATIONAL	USER NAME =	DESIGNED -	REVISED Δ - ADDENDUM 1 05/24/10
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -
		DATE - 3/18/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT I-294 INTERCHANGE PROJECT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HIGH MAST LIGHT TOWER SERVICE PAD & RETAINING WALL DETAILS		57	1414.2B	COOK	516	207E
SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.		CONTRACT NO. 60J27	
		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NEW SHEET SHEET E20



Bar	"R"	"S"
h1(E)	7'-7"	23'-6"
h2(E)	7'-7"	20'-10"
h3(E)	7'-7"	17'-8"
h4(E)	7'-7"	14'-6"
h5(E)	7'-7"	11'-4"
h6(E)	7'-7"	8'-2"
h7(E)	7'-1 1/2"	22'-1"
h8(E)	7'-1 1/2"	19'-7"
h9(E)	7'-1 1/2"	16'-7"
h10(E)	7'-1 1/2"	13'-7"
h11(E)	7'-1 1/2"	10'-8"
h12(E)	7'-1 1/2"	7'-8"
w1(E)	7'-7"	24'-4"
w2(E)	6'-8"	21'-7"
w3(E)	5'-10"	18'-10"
w4(E)	4'-9"	15'-5"
w5(E)	3'-6"	11'-6"

Note: "R" and "S" measured along bar \varnothing
BARS w₁(E) thru w₅(E) & h₁(E) thru h₁₂(E)

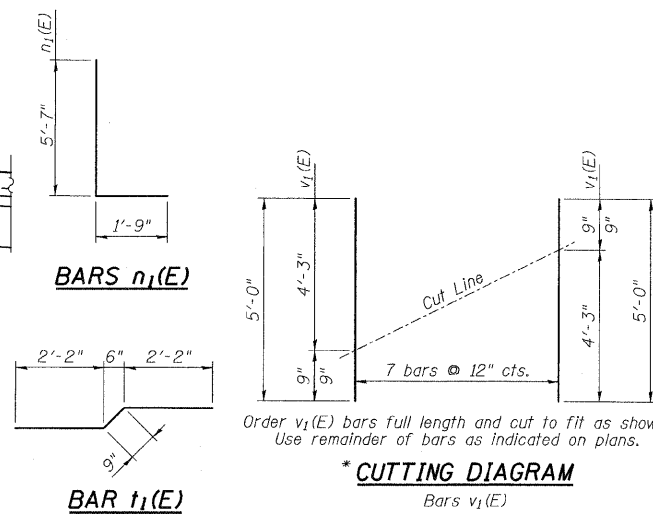
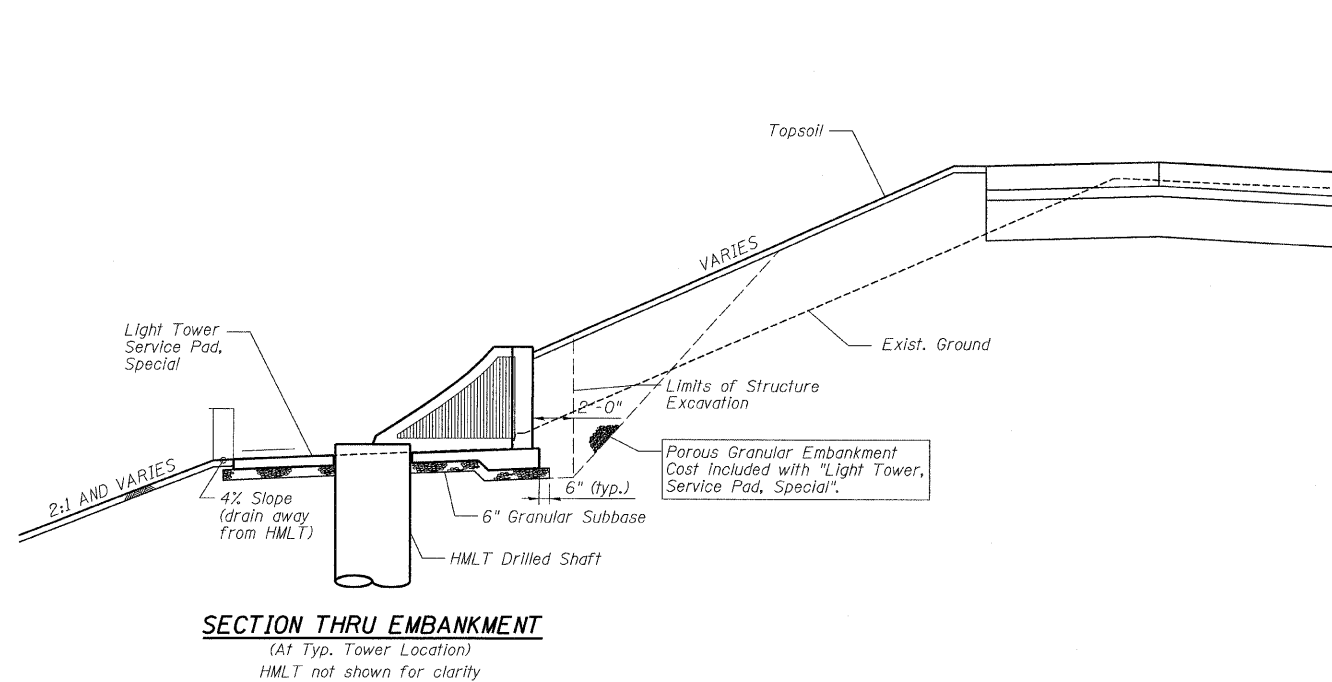
BILL OF MATERIAL

Light Tower Service Pad, Special with 5'-0" Wall

Bar	No.	Size	Length	Shape
h ₁ (E)	1	#5	23'-6"	
h ₂ (E)	1	#5	20'-10"	
h ₃ (E)	1	#5	17'-8"	
h ₄ (E)	1	#5	14'-6"	
h ₅ (E)	1	#5	11'-4"	
h ₆ (E)	1	#5	8'-2"	
h ₇ (E)	1	#4	22'-1"	
h ₈ (E)	1	#4	19'-7"	
h ₉ (E)	1	#4	16'-7"	
h ₁₀ (E)	1	#4	13'-7"	
h ₁₁ (E)	1	#4	10'-8"	
h ₁₂ (E)	1	#4	7'-8"	
n ₁ (E)	25	#6	7'-4"	
t ₁ (E)	25	#6	5'-1"	
v ₁ (E)	7	#4	5'-0"	
v ₂ (E)	8	#4	4'-8"	
w ₁ (E)	1	#5	24'-4"	
w ₂ (E)	1	#5	21'-7"	
w ₃ (E)	1	#5	18'-10"	
w ₄ (E)	1	#5	15'-5"	
w ₅ (E)	1	#5	11'-6"	

NOTES

- F.F. and B.F. denote Front Face and Back Face, respectively.
- HMLT denotes High Mast Light Tower.
- See IDOT Standard Drawing BE501 for additional High Mast Light Tower Foundation and ground well details.
- Reinforcement Bars designated (E) shall be epoxy coated.
- Refer to High Mast Light Tower Service Pad, Special & Retaining Wall Details 1 for location and orientation of conduit sleeves and grounding wells.
- Contractor shall maintain integrity of adjacent pavement as may be required in excavating for HMLT service pad walls.
- Provide Protective Coat to top, front face, exposed portion of back face, and ends of walls, and top and edges of pad.



BILL OF MATERIAL

Item	Unit	5' Total
Welded Wire Fabric	Sq. Yd.	18
Structure Excavation	Cu. Yd.	11
Concrete Structures	Cu. Yd.	7.2
Reinforcement Bars, Epoxy Coated	Pound	775
Rustication Finish	Sq. Ft.	55
Protective Coat	Sq. Yd.	29
Sub-Base Granular Material, Type B 6"	Sq. Yd.	22

TOTAL BILL OF MATERIAL

Item	Unit	Total
Light Tower, Service Pad, Special	Each	8

NEW SHEET SHEET E21

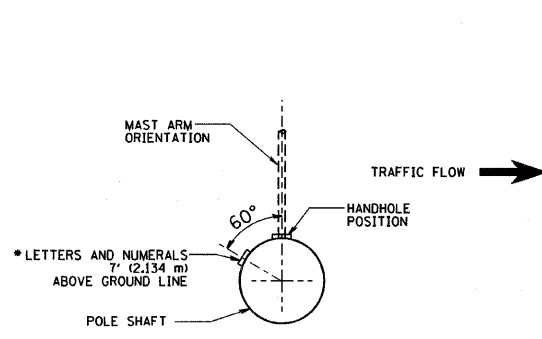
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	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -
		DATE - 3/18/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

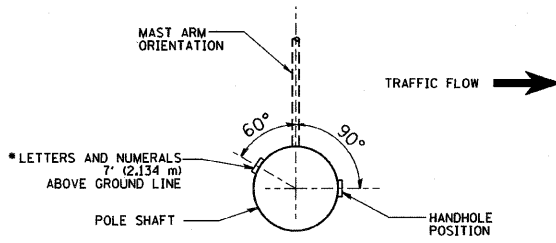
I-57 AT I-294 INTERCHANGE PROJECT
HIGH MAST LIGHT TOWER SERVICE PAD & RETAINING WALL DETAILS

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

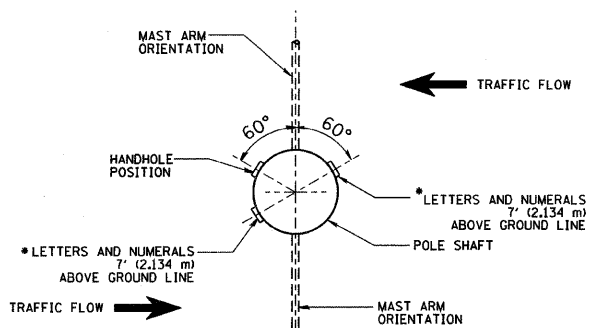
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.28	COOK	516	2094
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60J27	



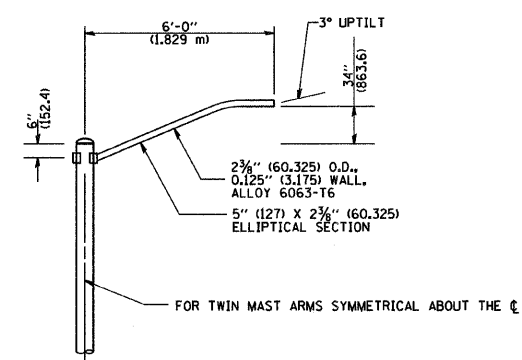
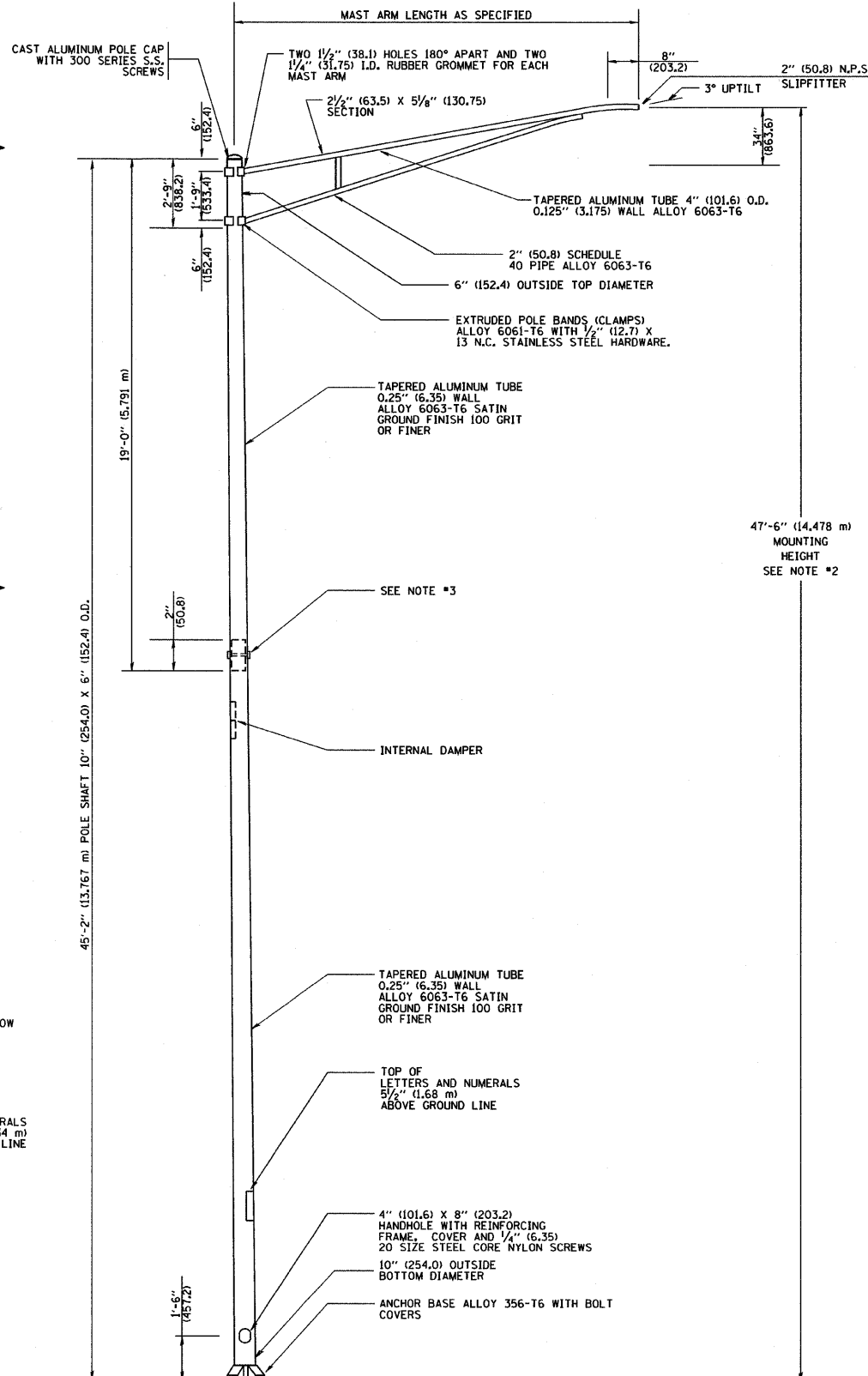
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

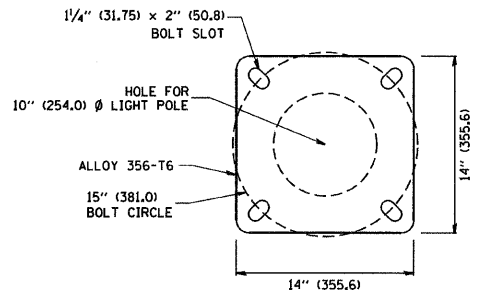


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

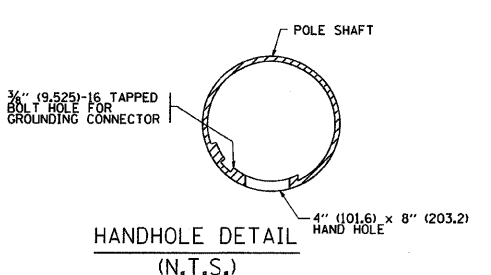


6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)

- NOTES:
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SPADL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE



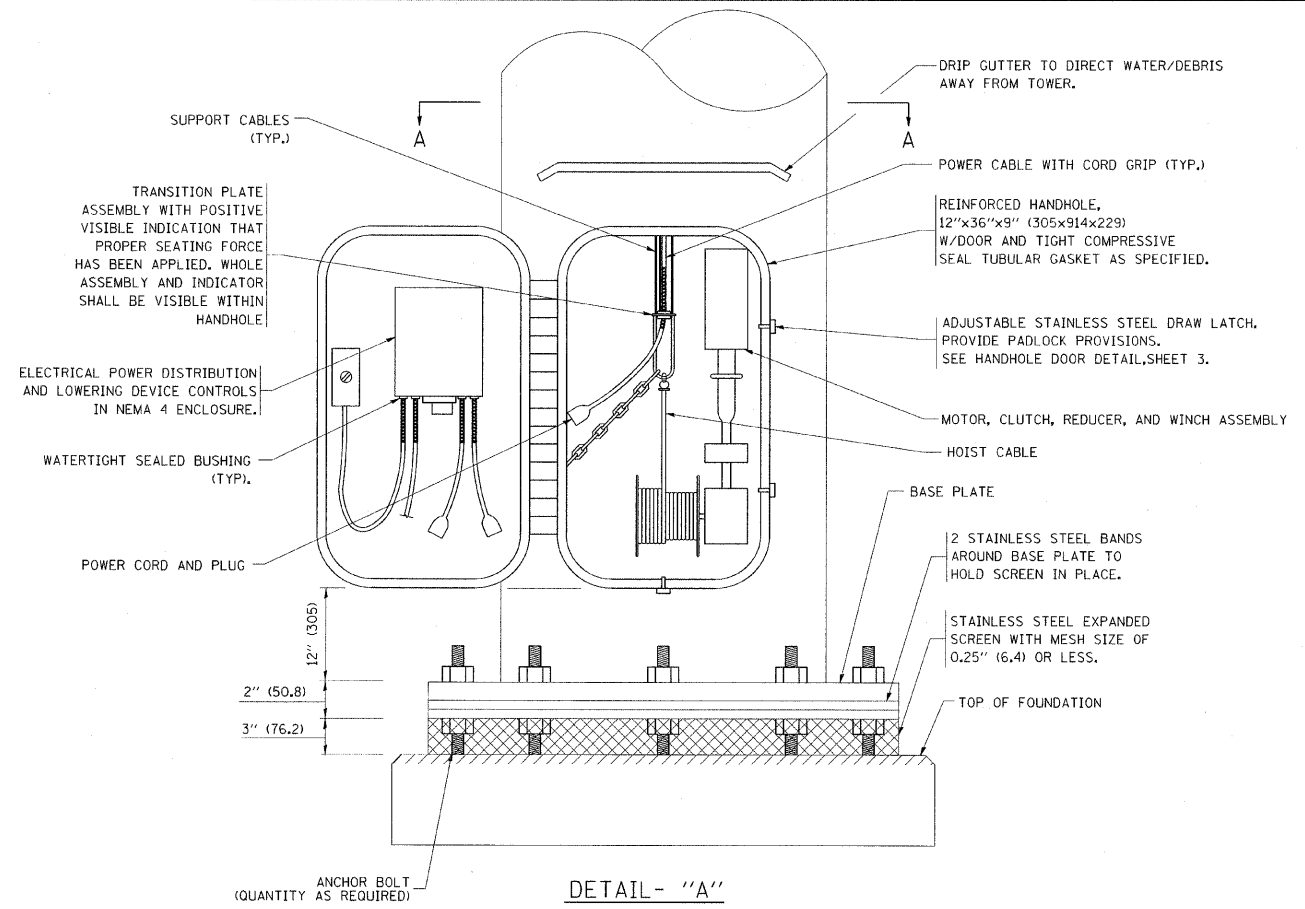
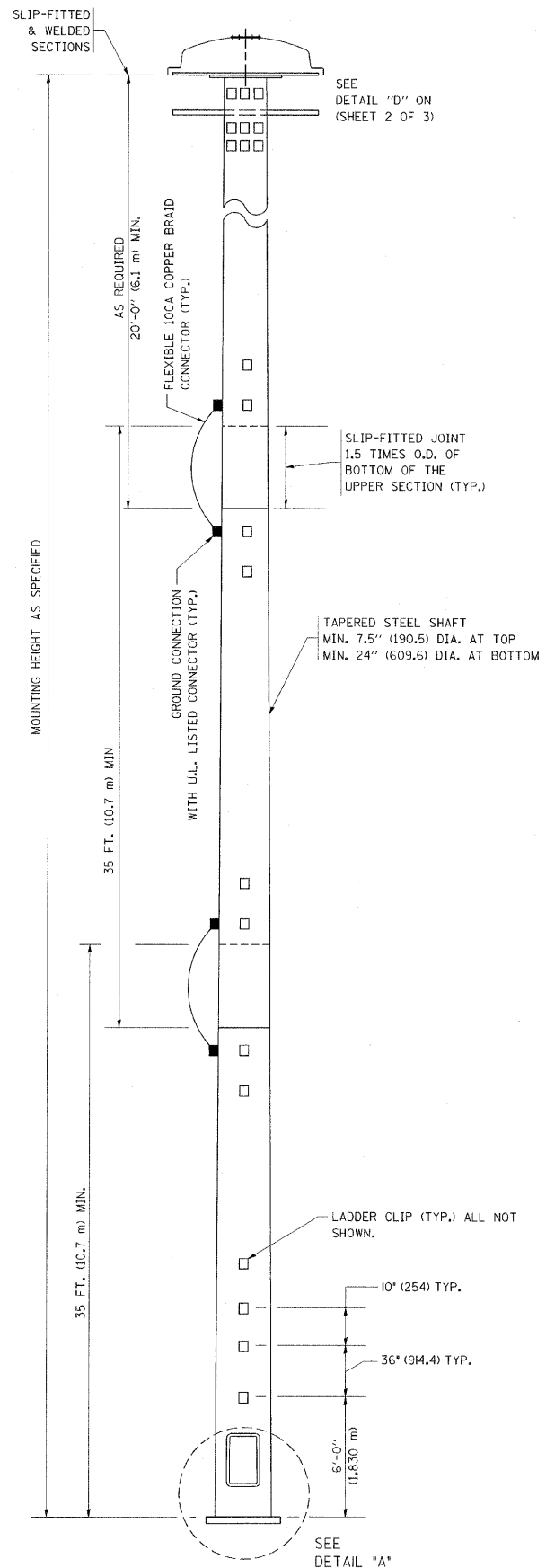
HANDHOLE DETAIL (N.T.S.)

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		DRAWN -	REVISED - R. TOMSONS 09-03-03
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	PLOT DATE = 1/4/2008	DATE -	REVISED -

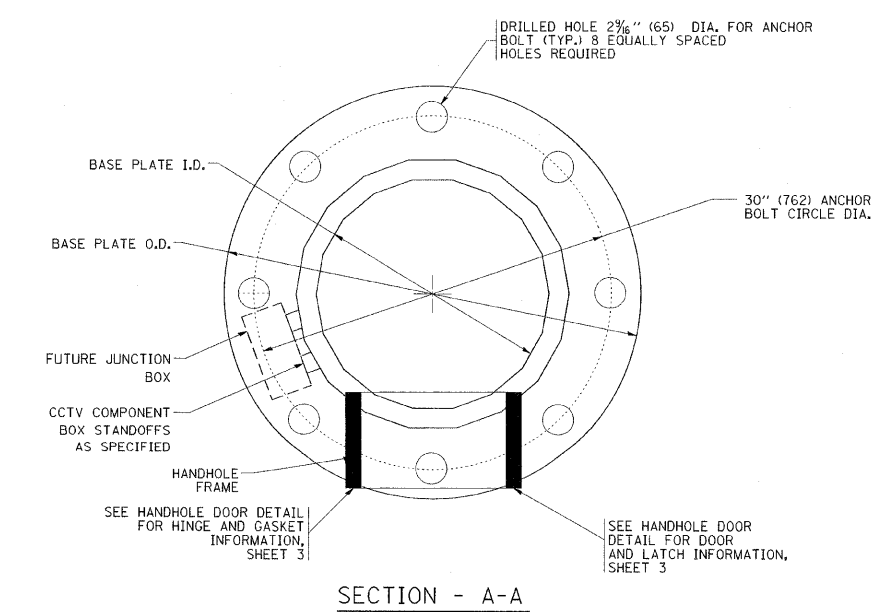
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALUMINUM LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	144.2B	COOK	516	210A
BE-400		CONTRACT NO. 60J27		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL - "A"
3 CABLE LOWERING & SUPPORT MECHANISM SHOWN.



SECTION - A-A

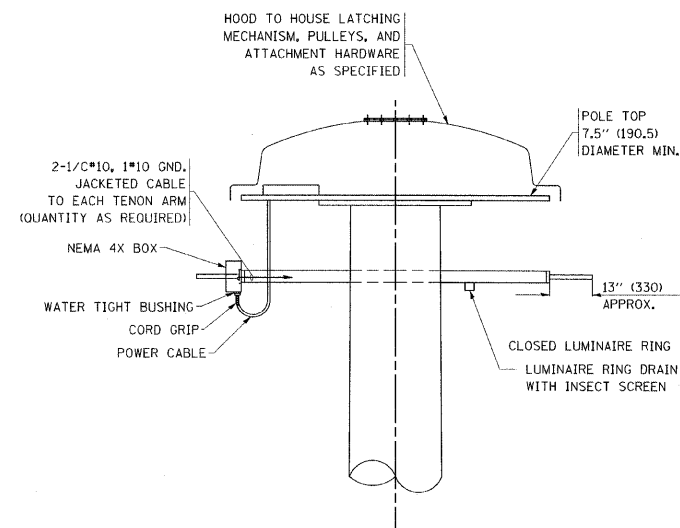
- NOTES:**
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 - THE DESIGN SHALL BE BASED UPON AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED AND A TOTAL COMBINED LUMINAIRE WEIGHT OF 720 LBS. (326 kg) AND HAVING A TOTAL PROJECTED AREA OF 24 SQ. FT. (7.3 sq. m).
 - ALL TOWER SHAFT COMPONENTS, INCLUDING, BUT NOT LIMITED TO THE SHAFT SECTIONS, BASE PLATE, LADDER CLIPS, HANDHOLE DOOR, HANDHOLE REINFORCING, RAIN GUTTER, AND BASE PLATE, SHALL BE FABRICATED FROM HIGH-STRENGTH, LOW ALLOY, STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI (345 K PA) ACCORDING TO AASHTO M 223 (ASTM A 572 GR50)
 - THE ELECTRIC MOTOR, MOTOR GEAR REDUCER, WINCH DRUM ASSEMBLY AND AUTOMATIC SHUTOFF SWITCH OF THE LOWERING DEVICE SHALL BE ACCESSIBLE FROM THE FRONT OF THE TOWER FOR EASY REMOVAL AND MAINTENANCE. ALL COMPONENTS SHALL BE REMOVABLE THROUGH THE HANDHOLE.
 - THE LIGHT TOWER SHAFT SHALL HAVE LADDER CLIPS. CLIPS SHALL BEGIN 6 FT. (1.8 m) ABOVE THE BASE PLATE WITH ALTERNATE 36 INCH (900) AND 10 INCH (250) SPACING THEREAFTER, FOR THE ENTIRE LENGTH. THE TOP 10 FT. (3 m) OF THE POLE SHAFT SHALL HAVE 3 SETS OF CLIPS. EACH SET OF CLIPS SHALL BE 120 DEGREES APART. CLIPS SHALL BE 0.25 X 2 INCHES (6 X 50) WELDED TO THE SHAFT TO PRODUCE A SLOT 0.625 INCHES (15.9) DEEP AND 1.625 INCHES (41.3) LONG. THE TOP INSIDE EDGE SHALL BE CHAMFERED.
 - A COPPER BONDING JUMPER SHALL BOND SLIP-FIT POLE SECTIONS TOGETHER WITH A FLAT COPPER MESH AND STAINLESS STEEL GROUND LUGS.
 - ALL TOWER SHAFT HARDWARE, SUCH AS GROUND LUGS, JUNCTION BOXES, HARDWARE FOR THE HANDHOLE DOOR, INCLUDING THE HANDLE/LATCH MECHANISM, HINGE AND DOOR STOP, SHALL BE STAINLESS STEEL. ALL CONDUIT AND CONDUIT FITTINGS SHALL BE PVC COATED GALVANIZED STEEL.
 - THE ENTIRE TOWER INCLUDING THE SHAFT, HANDHOLE, HANDHOLE DOOR, BASE PLATE AND ALL OTHER ELEMENTS WELDED TO THE SHAFT SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111 (ASTM A 123) AND THEN PAINTED AS SPECIFIED. THE LUMINAIRE RING SHALL BE PRIMED AND PAINTED AS SPECIFIED.
 - THE FINISH COAT SHALL BE FEDERAL STANDARD COLOR NUMBER 16307 (HANFORD GREY). COLOR SAMPLE TO BE SUBMITTED FOR APPROVAL
 - ALL MULTI-CONDUCTOR CABLES SHALL BE FITTED WITH A HEAT-SHRINK MULTI-LEG BOOT. THE BOOT SHALL MEET MILITARY SPECIFICATION MIL-I-81765/1.
 - PRIOR TO DELIVERY, THE TOWER AND ALL ITS COMPONENTS SHALL BE INSPECTED BY THE MANUFACTURER'S REPRESENTATIVE IN THE PRESENCE OF THE ENGINEER. ANY PARTS FOUND TO BE DEFECTIVE SHALL BE REPAIRED OR REPLACED.
 - THE LIGHT TOWER SHALL BE STRAIGHT AND CENTERED ON ITS LONGITUDINAL AXIS, UNDER NO-WIND CONDITIONS, SO WHEN EXAMINED WITH A TRANSIT FROM ANY DIRECTION, THE DEVIATION FROM THE NORMAL SHALL NOT EXCEED 1/8 IN. IN 3 FT (2 mm IN 1 m) WITHIN ANY 5 FT (1.5 m) OF HEIGHT, WITH TOTAL DEVIATION NOT TO EXCEED 3 IN. (75) FROM THE VERTICAL AXIS THROUGH THE CENTER OF THE POLE BASE.
 - PVC CONDUIT WILL NOT BE ALLOWED.
 - THE NUMBER OF COUNTER WEIGHTS TO BE SUPPLIED AS A PART OF THE LIGHT TOWER PAY ITEM IS.

FILE NAME =	USER NAME = drvakosgn	DESIGNED -	REVISED - R. TOMSONS 08-04-03
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		CHECKED -	REVISED -
		DATE -	REVISED -

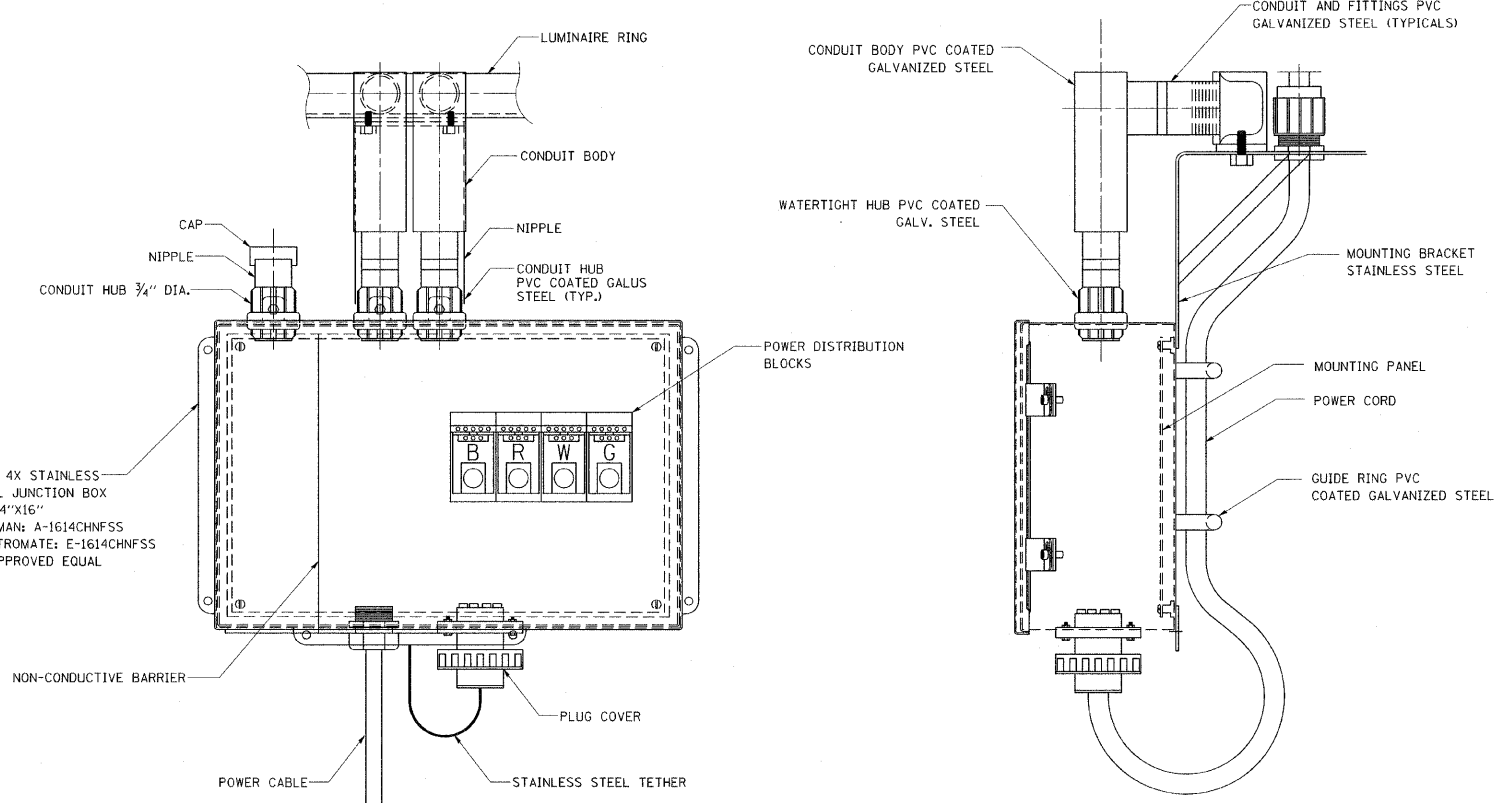
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER			
90 FT TO 120 FT (27 m TO 36 m)			
SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	518	2108
BE-500			CONTRACT NO. 60727	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



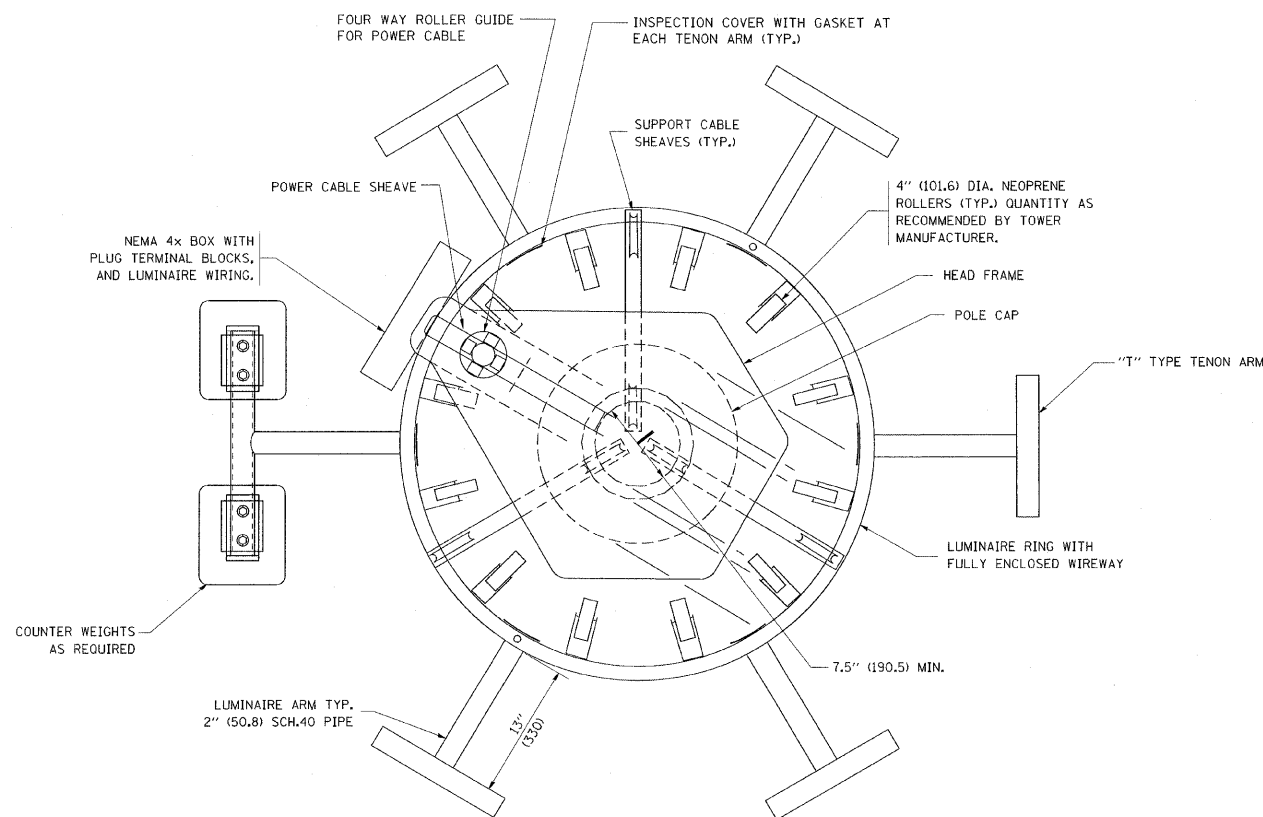
DETAIL - "D"



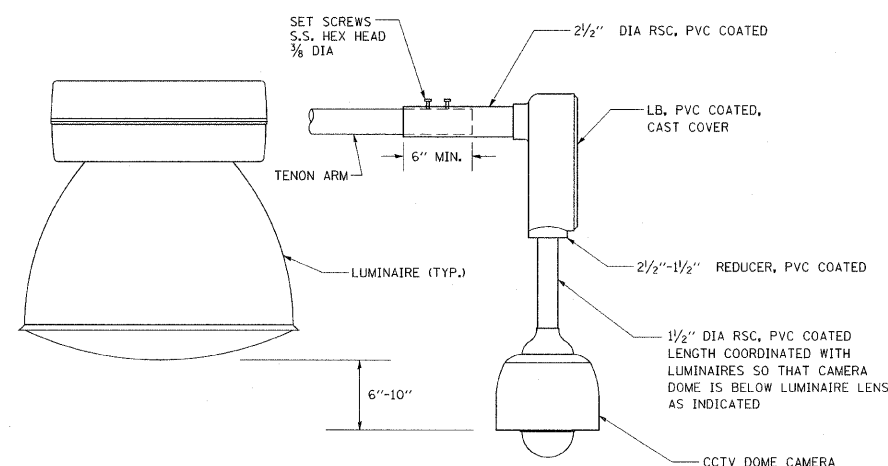
FRONT VIEW

SIDE VIEW

LUMINAIRE RING TERMINAL BOX



SECTION A-A



CCTV CAMERA MOUNTING DETAIL

NOTES:

- LUMINAIRE WIRES SHALL EXTEND 24 INCHES (609 mm) LONGER THAN THEIR RESPECTIVE TENON ARM AND SHALL BE TRAINED BACK INTO THE ARM WHICH SHALL THEN BE CLOSED WITH A CAP AS SPECIFIED. ALL WIRES SHALL BE CAPPED WITH HEAT SHRINK INSULATING BOOTS, CRIMP CAPS ARE UNACCEPTABLE. ALL RING WIRES SHALL BE TAGGED WITH WIRE MARKERS AT BOTH ENDS. THE TENON ARMS SHALL ALSO BE TAGGED CORRESPONDING TO THE WIRING CONTAINED WITHIN.
- SPLICING WILL NOT BE ALLOWED WITHIN THE LUMINAIRE RING.
- ALL TOWER SHAFT HARDWARE, SUCH AS GROUND LUGS, JUNCTION BOXES, HARDWARE FOR THE HANDHOLE DOOR, INCLUDING THE HANDLE/LATCH MECHANISM, HINGE AND DOOR STOP, SHALL BE STAINLESS STEEL. ALL CONDUIT AND CONDUIT FITTINGS SHALL BE PVC COATED GALVANIZED STEEL.
- ALL MULTI-CONDUCTOR CABLES SHALL BE FITTED WITH A HEAT-SHRINK MULTI-LEG BOOT. THE BOOT SHALL MEET MILITARY SPECIFICATION MIL-I-81765/1.

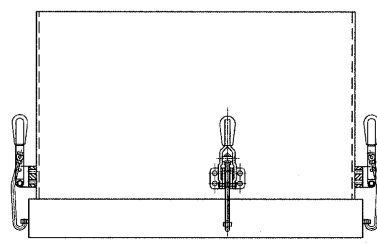
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PLOT DATE = 5/11/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

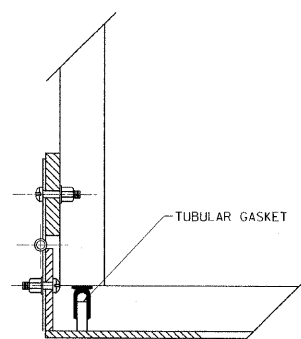
HIGH MAST LIGHT TOWER
90 FT TO 120 FT (27 m TO 36 m)

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

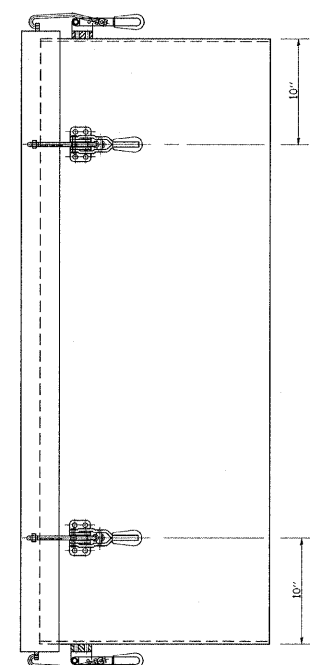
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57	1414.2B	COOK	516	210C
BE-500			CONTRACT NO. 60J27	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



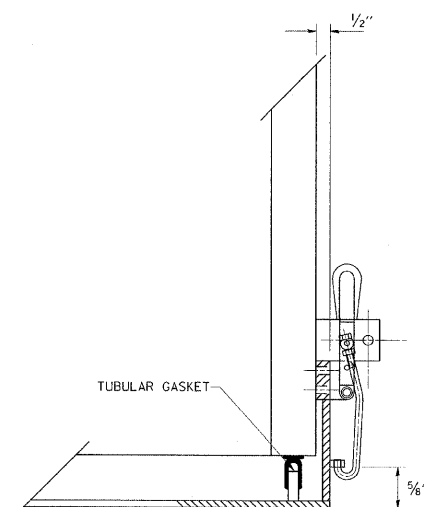
TOP VIEW



HINGE DETAIL

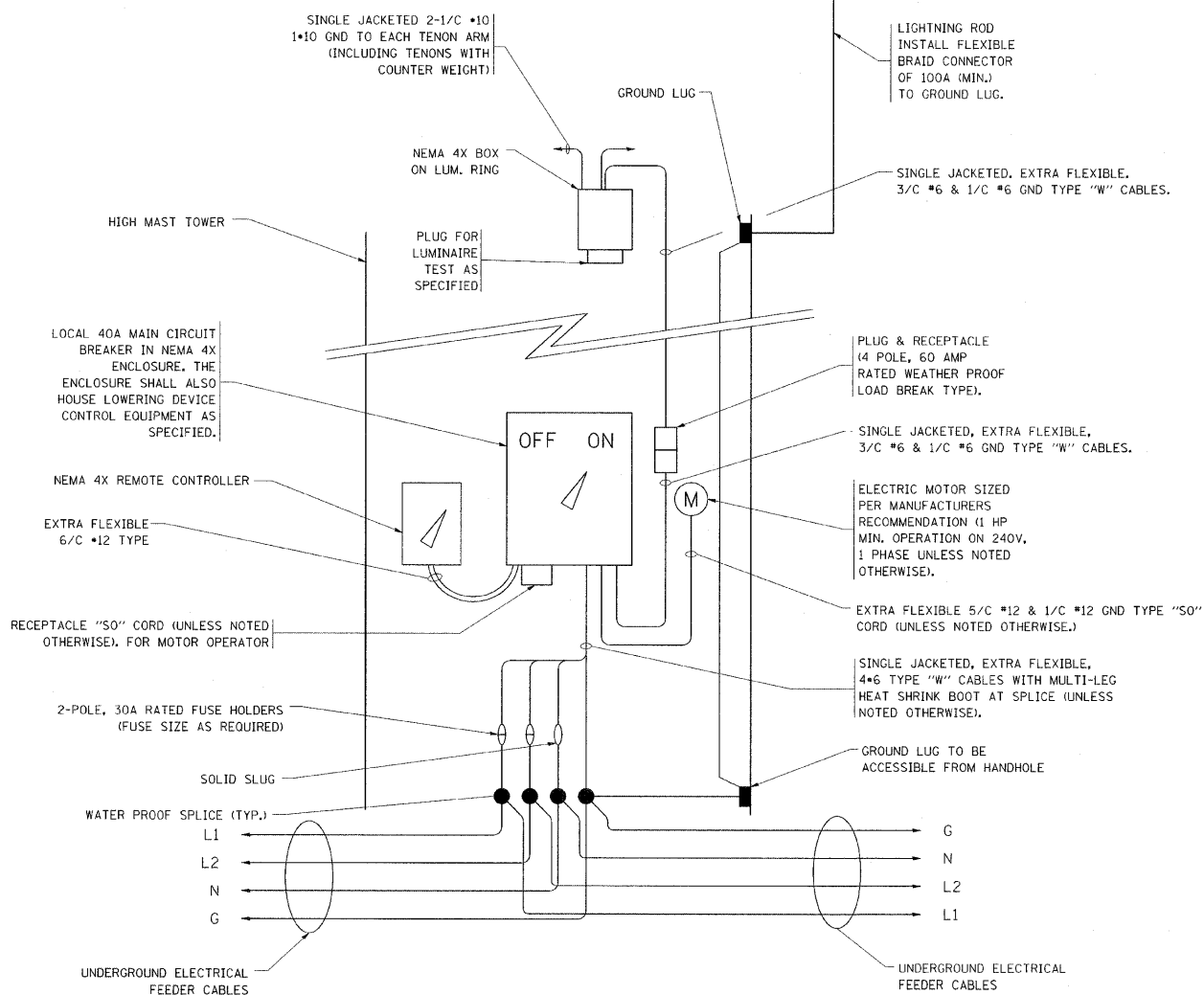


SIDE VIEW

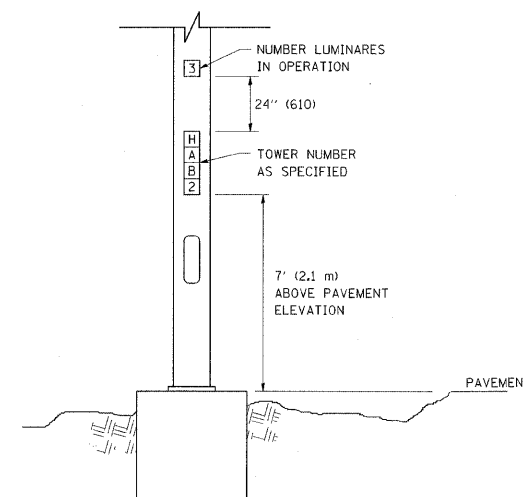


LATCH DETAIL

HANDHOLE DOOR DETAILS



HIGH MAST POLE WIRING DIAGRAM



LIGHT TOWER NUMBERING DETAIL

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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 5/11/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER			
90 FT TO 120 FT (27 m TO 36 m)			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

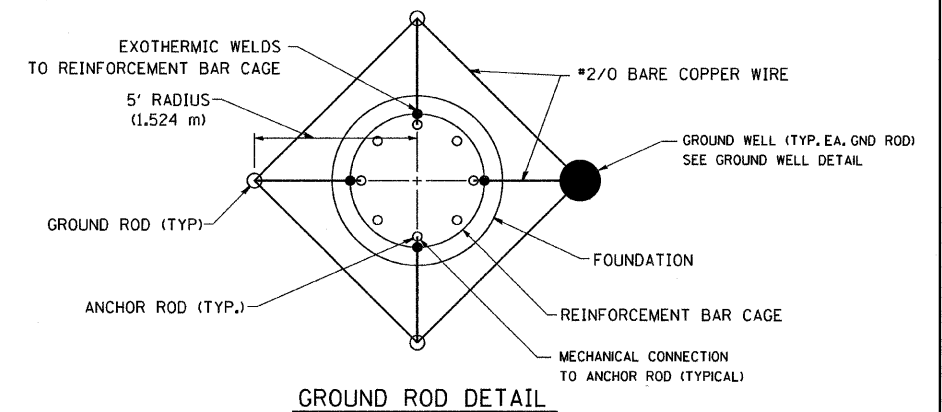
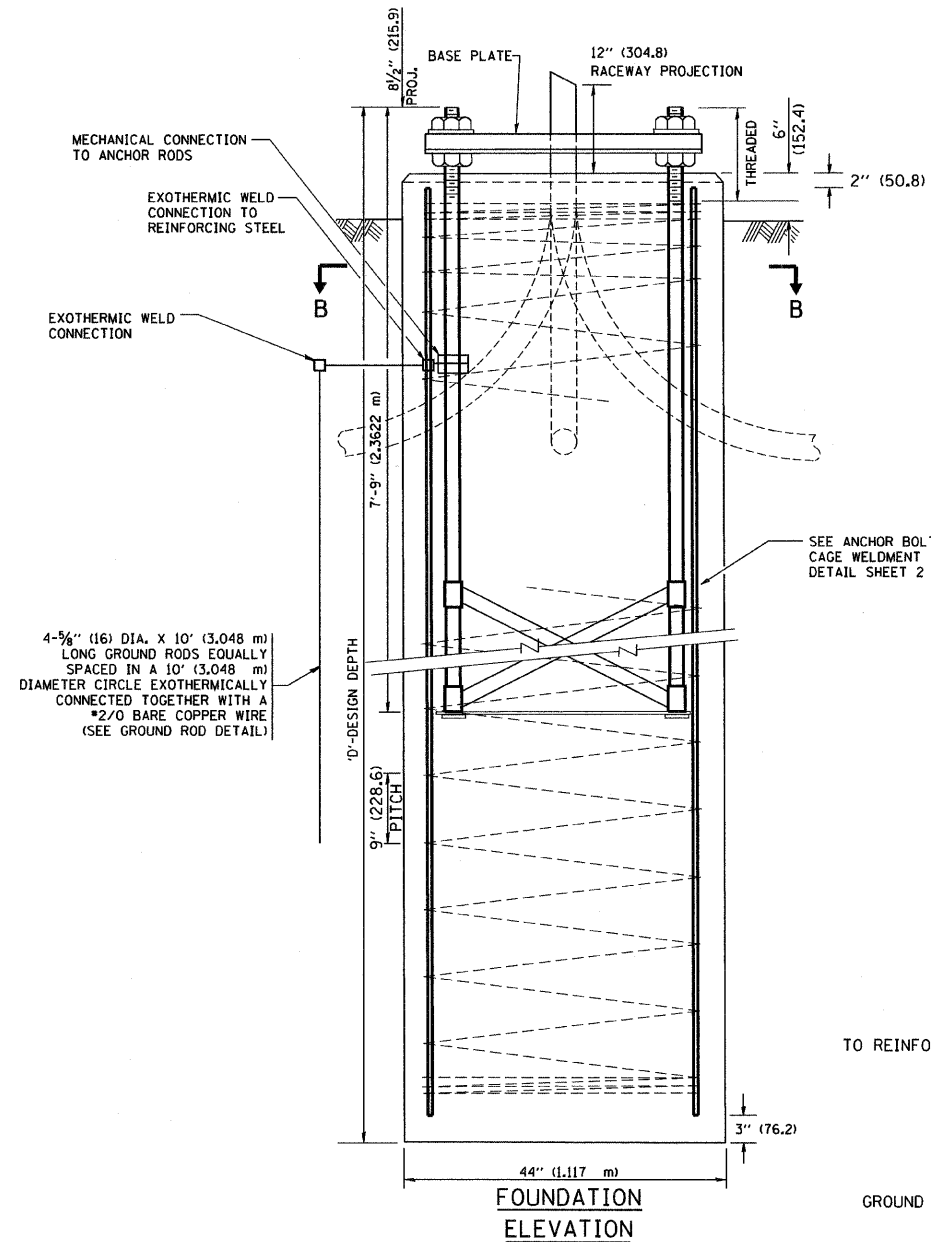
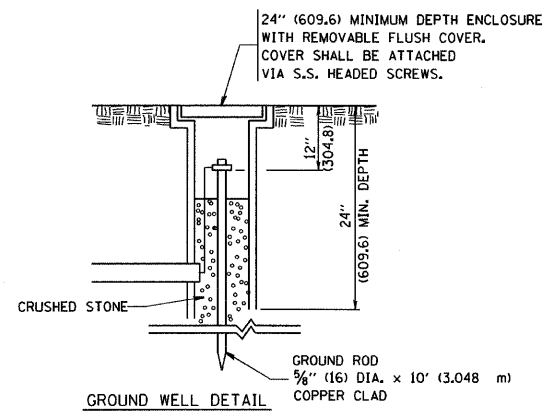
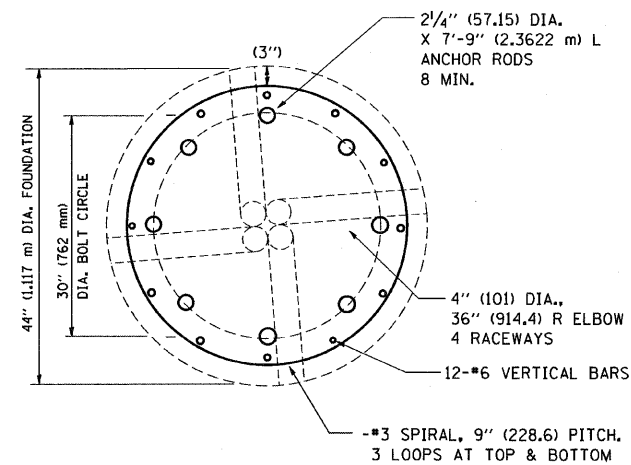
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	Cook	56	210D
BE-500		CONTRACT NO. 60J27		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LIGHT TOWER FOUNDATION DEPTH "D"

MOUNTING HEIGHT	SOIL CONDITIONS					
	SOFT CLAY Qu = 0.375 TON/SQ. FT	MEDIUM CLAY Qu = 0.75 TON/SQ. FT	STIFF CLAY Qu = 1.50 TON/SQ. FT	LOOSE SAND φ = 34°	MEDIUM SAND φ = 37.5°	DENSE SAND φ = 40°
90 FT (27 m)	29 FT (8.779 m)	20 FT (6.035 m)	15 FT (4.389 m)	15 FT (4.389 m)	13 FT (3.840 m)	12 FT (3.429 m)
100 FT (30 m)	32 FT (9.754 m)	22 FT (6.706 m)	16 FT (4.877 m)	16 FT (4.877 m)	14 FT (4.267 m)	13 FT (3.81 m)
110 FT (33 m)	35 FT (10.719 m)	24 FT (7.377 m)	18 FT (5.365 m)	18 FT (5.365 m)	15 FT (4.694 m)	14 FT (4.191 m)
120 FT (36 m)	38 FT (11.705 m)	26 FT (8.046 m)	19 FT (5.652 m)	19 FT (5.652 m)	17 FT (5.120 m)	16 FT (4.572 m)

DESIGN NOTES

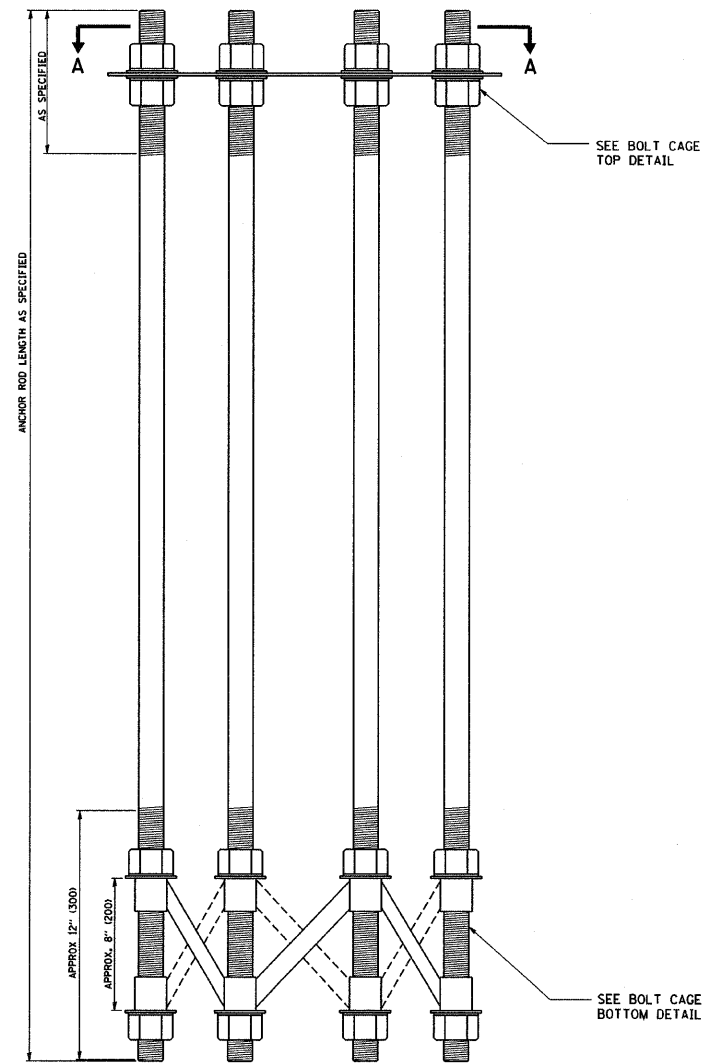
- (1) ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
- (2) THE ANCHOR RODS SHALL BE VERTICAL NO ADJUSTMENT SHALL BE ALLOWED AFTER THE FOUNDATION IS PLACED.
- (3) THE GAP BETWEEN THE FOUNDATION AND THE BASE PLATE SHALL BE ENCLOSED WITH A STAINLESS STEEL SCREEN FASTENED WITH A STAINLESS STEEL BAND.
- (4) THE TOP OF THE FOUNDATION TO 18" (450) BELOW GRADE SHALL BE FORMED.
- (5) SURFACE WATER WILL NOT BE PERMITTED TO ENTER THE HOLE AND ALL WATER WHICH MAY HAVE INFILTRATED INTO THE HOLE SHALL BE REMOVED BEFORE PLACING CONCRETE.
- (6) THE LIGHT TOWER SHALL NOT BE ERECTED UNTIL AFTER THE CONCRETE HAS BEEN CURED ACCORDING TO ARTICLE 1020.13.
- (7) ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO AASHTO M 314 OR ASTM F1554, GRADE 725(GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.9.
- (8) ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED FOR APPROVAL WITH TOWER MANUFACTURER REQUIREMENTS.
- (9) REINFORCEMENT BARS SHALL BE ACCORDING TO ARTICLE 1006.10
- (10) TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS ARE INSTALLED.



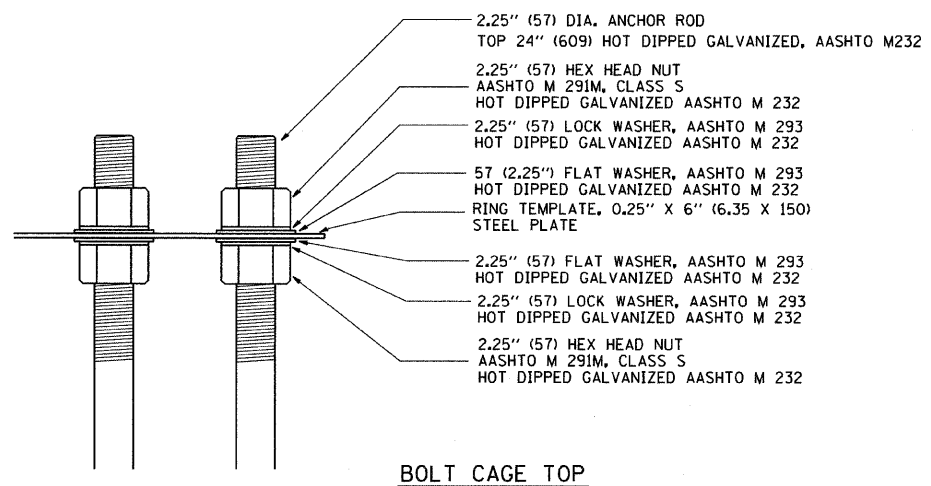
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	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

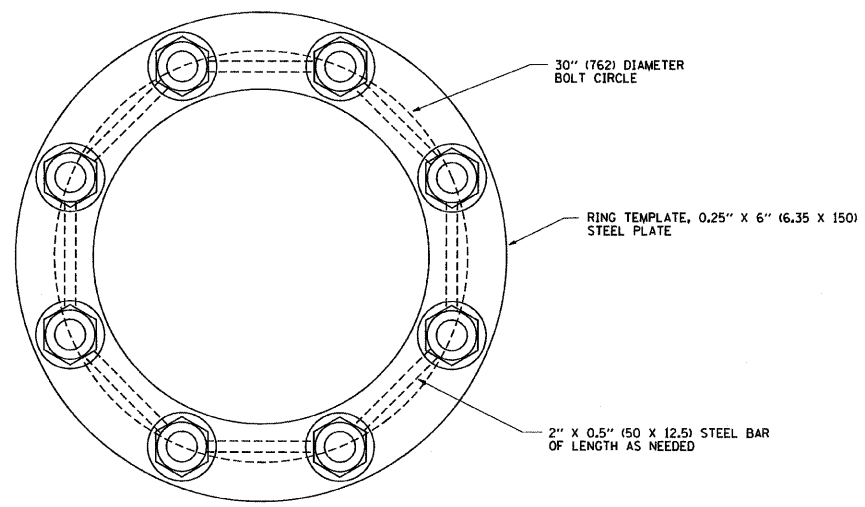
HIGH MAST LIGHT TOWER		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90 FT TO 120 FT (27 m TO 36 m) FOUNDATION DETAIL		57	1414.2B	Cook	516	210E
SCALE: NONE		SHEET NO. 1 OF 2 SHEETS		STA. TO STA.		CONTRACT NO.
						FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



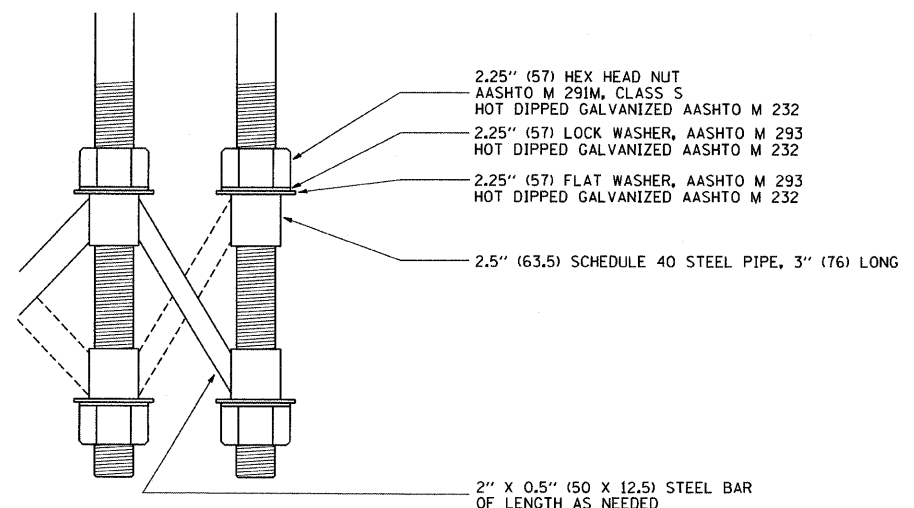
ANCHOR BOLT CAGE



BOLT CAGE TOP



SECTION A-A



BOLT CAGE BOTTOM

NOTES

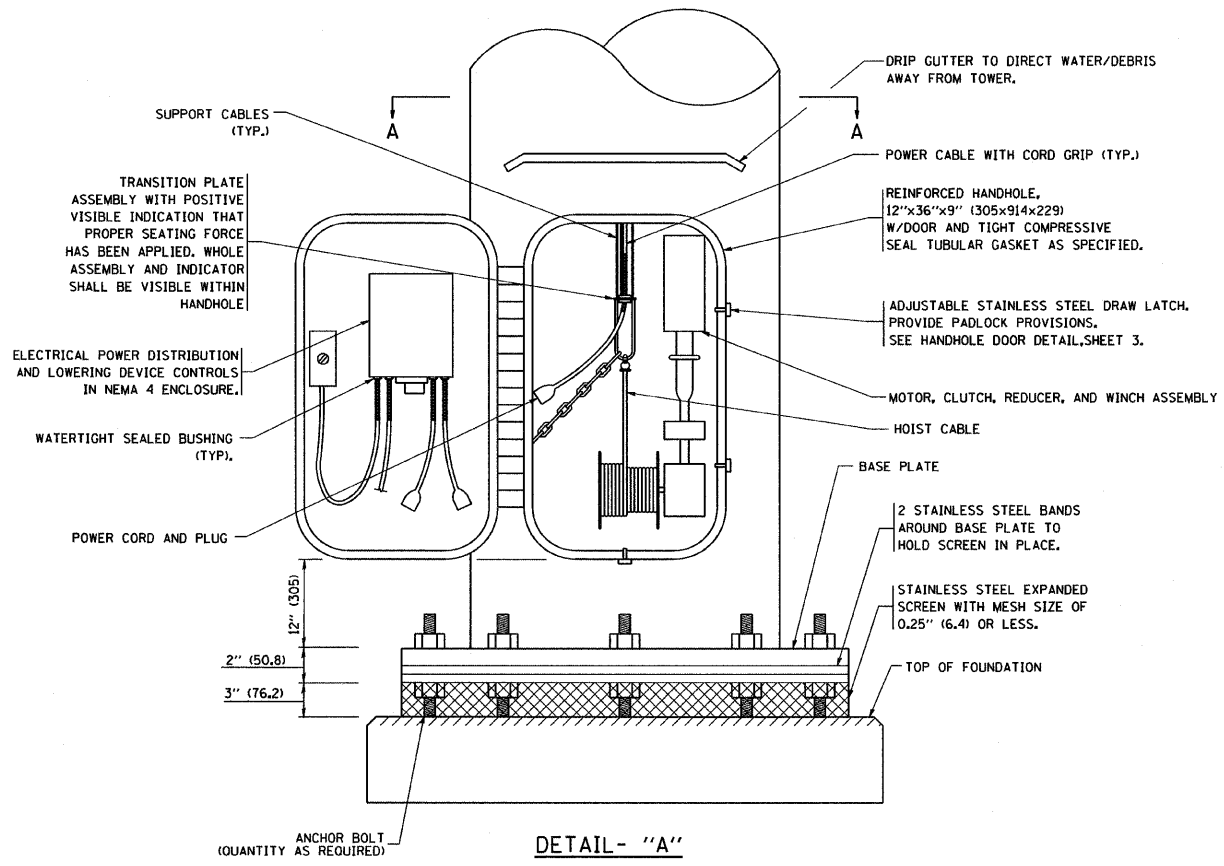
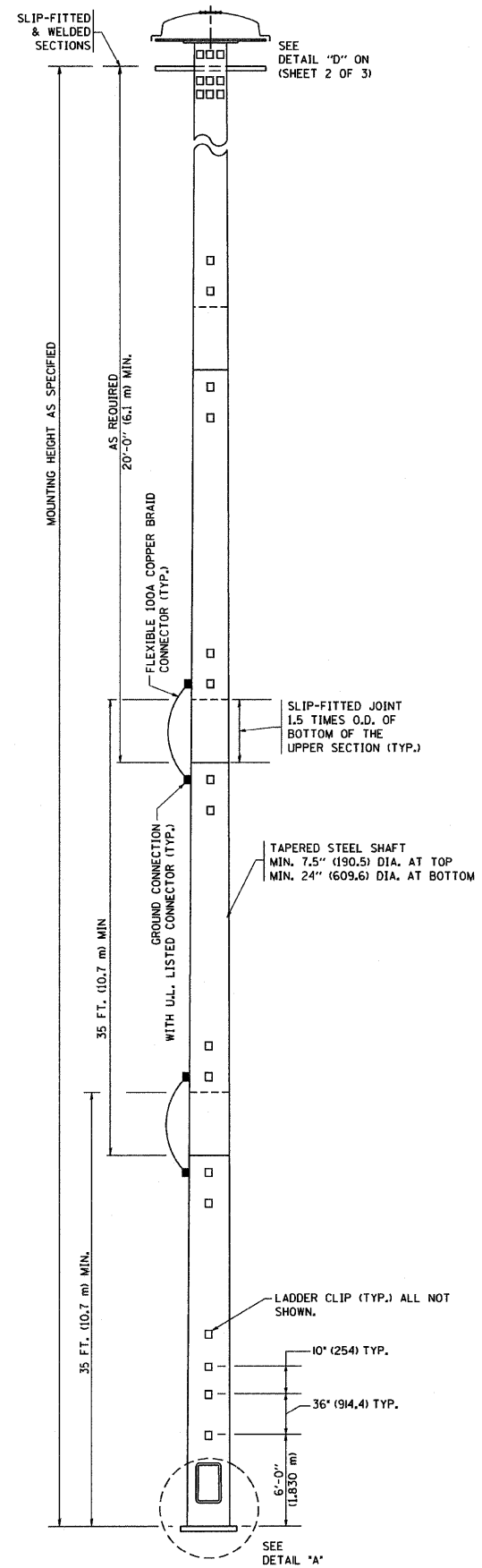
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO AASHTO M 314 OR ASTM F1554, GRADE 725 (GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.09.
3. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED WITH TOWER MANUFACTURERS REQUIREMENTS.

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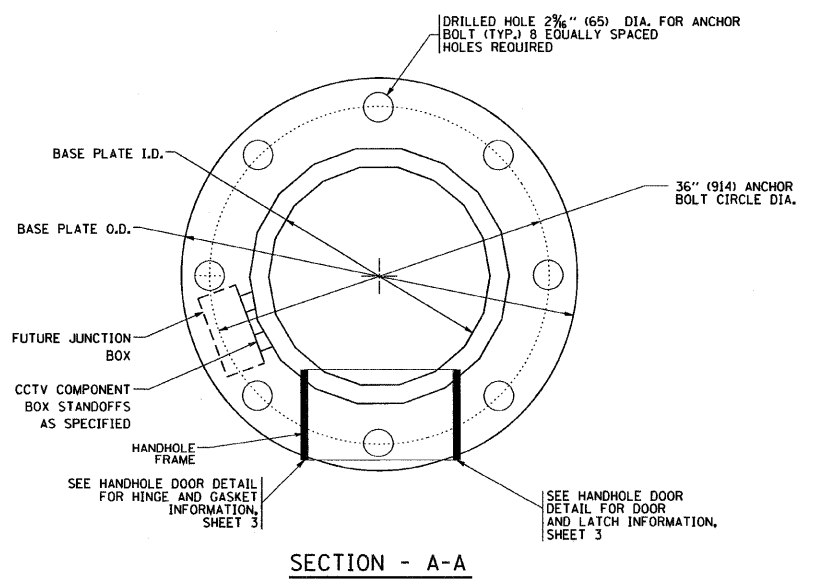
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER
90 FT TO 120 FT (27 m TO 36 m) FOUNDATION DETAIL
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.28	COOK	516	210F
BE-501			CONTRACT NO. 60J27	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL - "A"
3 CABLE LOWERING & SUPPORT MECHANISM SHOWN.

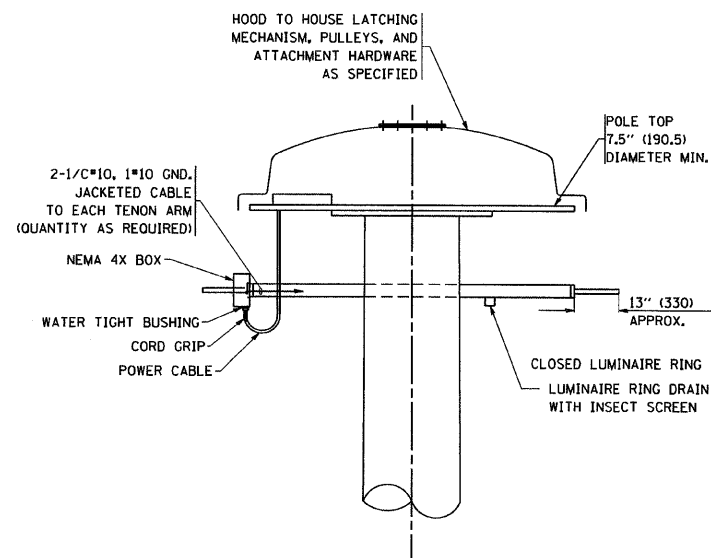


SECTION - A-A

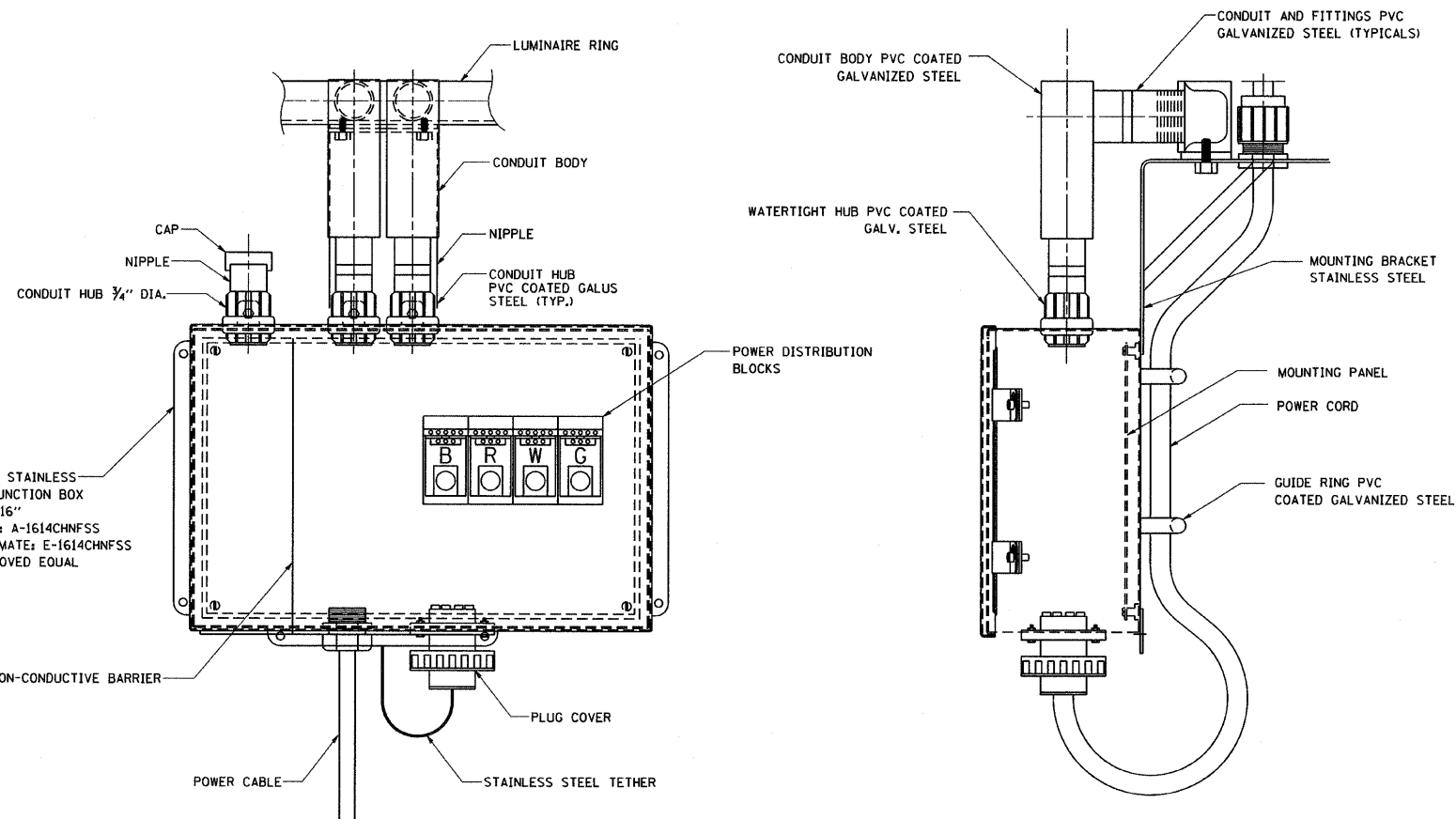
NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE DESIGN SHALL BE BASED UPON AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED AND A TOTAL COMBINED LUMINAIRE WEIGHT OF 720 LBS. (326 kg) AND HAVING A TOTAL PROJECTED AREA OF 24 SQ. FT. (7.3 sq. m).
3. ALL TOWER SHAFT COMPONENTS, INCLUDING, BUT NOT LIMITED TO THE SHAFT SECTIONS, BASE PLATE, LADDER CLIPS, HANDHOLE DOOR, HANDHOLE REINFORCING, RAIN GUTTER, AND BASE PLATE, SHALL BE FABRICATED FROM HIGH-STRENGTH, LOW ALLOY, STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI (345 K PA) ACCORDING TO AASHTO M 223 (ASTM A 572 GR50)
4. THE ELECTRIC MOTOR, MOTOR GEAR REDUCER, WINCH DRUM ASSEMBLY AND AUTOMATIC SHUTOFF SWITCH OF THE LOWERING DEVICE SHALL BE ACCESSIBLE FROM THE FRONT OF THE TOWER FOR EASY REMOVAL AND MAINTENANCE. ALL COMPONENTS SHALL BE REMOVABLE THROUGH THE HANDHOLE.
5. THE LIGHT TOWER SHAFT SHALL HAVE LADDER CLIPS. CLIPS SHALL BEGIN 6 FT. (1.8 m) ABOVE THE BASE PLATE WITH ALTERNATE 1.8 m (900) AND 10 INCH (250) SPACING THEREAFTER, FOR THE ENTIRE LENGTH. THE TOP 10 FT. (3 m) OF THE POLE SHAFT SHALL HAVE 3 SETS OF CLIPS. EACH SET OF CLIPS SHALL BE 120 DEGREES APART. CLIPS SHALL BE 0.25 X 2 INCHES (6 X 50) WELDED TO THE SHAFT TO PRODUCE A SLOT 0.625 INCHES (15.9) DEEP AND 1.625 INCHES (41.3) LONG. THE TOP INSIDE EDGE SHALL BE CHAMFERED.
6. A COPPER BONDING JUMPER SHALL BOND SLIP-FIT POLE SECTIONS TOGETHER WITH A FLAT COPPER MESH AND STAINLESS STEEL GROUND LUGS.
7. ALL TOWER SHAFT HARDWARE, SUCH AS GROUND LUGS, JUNCTION BOXES, HARDWARE FOR THE HANDHOLE DOOR, INCLUDING THE HANDLE/LATCH MECHANISM, HINGE AND DOOR STOP, SHALL BE STAINLESS STEEL. ALL CONDUIT AND CONDUIT FITTINGS SHALL BE PVC COATED GALVANIZED STEEL.
8. THE ENTIRE TOWER INCLUDING THE SHAFT, HANDHOLE, HANDHOLE DOOR, BASE PLATE AND ALL OTHER ELEMENTS WELDED TO THE SHAFT SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111 (ASTM A 123) AND THEN PAINTED AS SPECIFIED. THE LUMINAIRE RING SHALL BE PRIMED AND PAINTED AS SPECIFIED.
9. THE FINISH COAT SHALL BE FEDERAL STANDARD COLOR NUMBER 16307 (HANFORD GREY). COLOR SAMPLE TO BE SUBMITTED FOR APPROVAL
10. ALL MULTI-CONDUCTOR CABLES SHALL BE FITTED WITH A HEAT-SHRINK MULTI-LEG BOOT. THE BOOT SHALL MEET MILITARY SPECIFICATION MIL-1-81765/1.
11. PRIOR TO DELIVERY, THE TOWER AND ALL ITS COMPONENTS SHALL BE INSPECTED BY THE MANUFACTURER'S REPRESENTATIVE IN THE PRESENCE OF THE ENGINEER. ANY PARTS FOUND TO BE DEFECTIVE SHALL BE REPAIRED OR REPLACED.
12. THE LIGHT TOWER SHALL BE STRAIGHT AND CENTERED ON ITS LONGITUDINAL AXIS, UNDER NO-WIND CONDITIONS, SO WHEN EXAMINED WITH A TRANSIT FROM ANY DIRECTION, THE DEVIATION FROM THE NORMAL SHALL NOT EXCEED 1/8 IN. IN 3 FT (2 mm IN 1 m) WITHIN ANY 5 FT (1.5 m) OF HEIGHT, WITH TOTAL DEVIATION NOT TO EXCEED 3 IN. (75) FROM THE VERTICAL AXIS THROUGH THE CENTER OF THE POLE BASE.
13. PVC CONDUIT WILL NOT BE ALLOWED.
14. THE NUMBER OF COUNTER WEIGHTS TO BE SUPPLIED AS A PART OF THE LIGHT TOWER PAY ITEM IS

FILE NAME = W:\dststd\22x34\be505.dgn	USER NAME = geglennobt	DESIGNED -	REVISED - 09-02-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH MAST LIGHT TOWER 130 FT TO 150 FT (40 m TO 45.5)		F.A. RTE. 57	SECTION 1414.2B	COUNTY Cook	TOTAL SHEETS 516	SHEET NO. 2106	
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	BE-505		CONTRACT NO. 60J27		
PLOT DATE = 1/4/2008	DATE -	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT							
		DATE -	REVISED -									



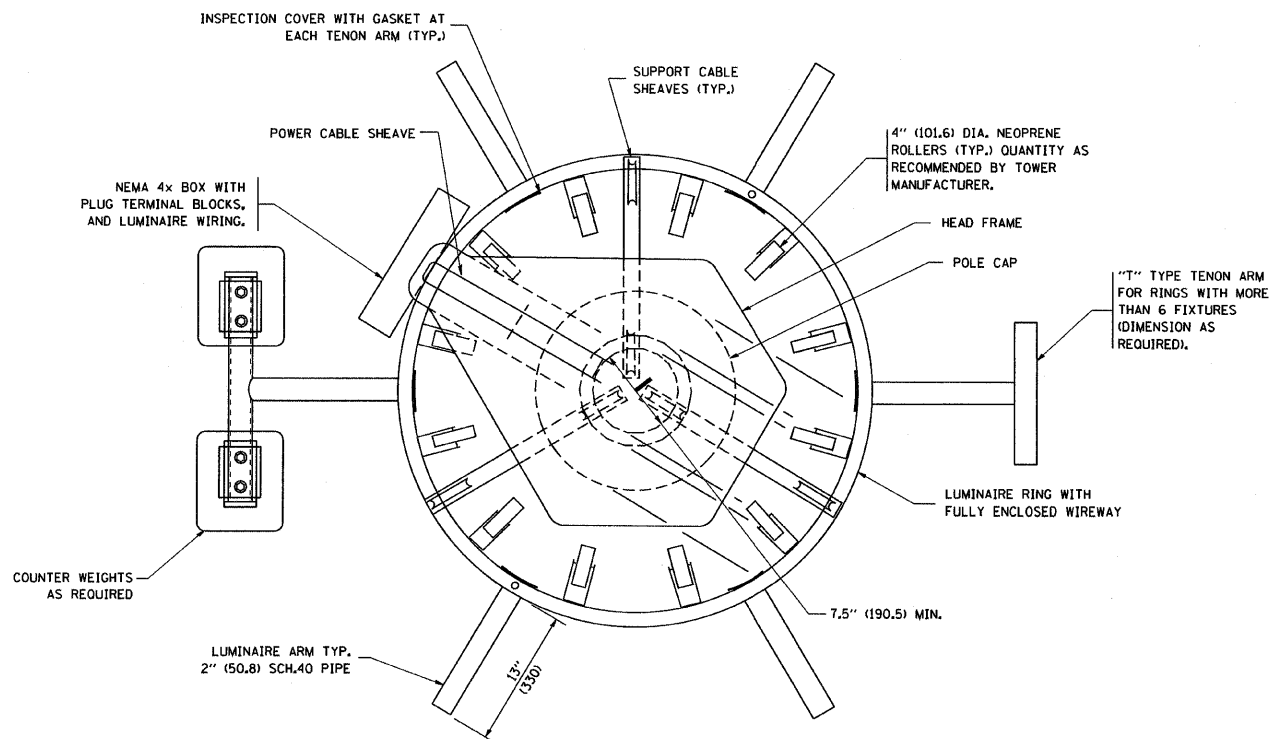
DETAIL-D



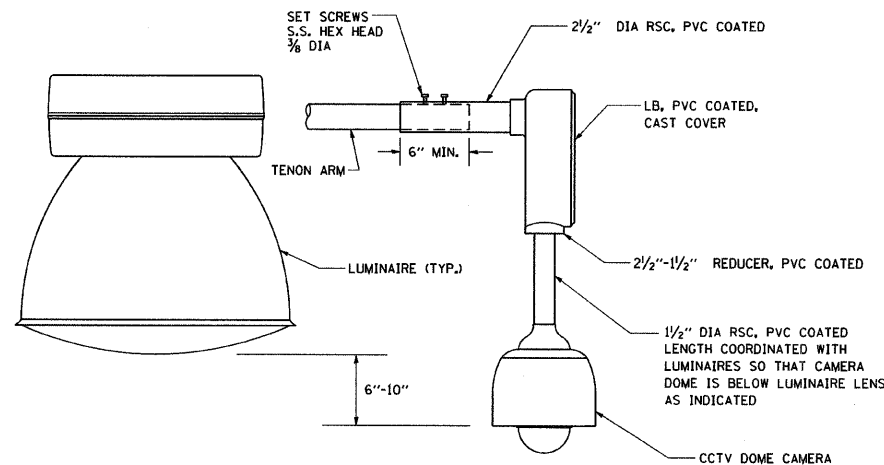
FRONT VIEW

SIDE VIEW

LUMINAIRE RING TERMINAL BOX



SECTION A-A



CCTV CAMERA MOUNTING DETAIL

NOTES:

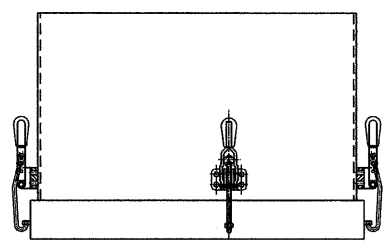
- LUMINAIRE WIRES SHALL EXTEND 24 INCHES (609 mm) LONGER THAN THEIR RESPECTIVE TENON ARM AND SHALL BE TRAINED BACK INTO THE ARM WHICH SHALL THEN BE CLOSED WITH A CAP AS SPECIFIED. ALL WIRES SHALL BE CAPPED WITH HEAT SHRINK INSULATING BOOTS. CRIMP CAPS ARE UNACCEPTABLE. ALL RING WIRES SHALL BE TAGGED WITH WIRE MARKERS AT BOTH ENDS. THE TENON ARMS SHALL ALSO BE TAGGED CORRESPONDING TO THE WIRING CONTAINED WITHIN.
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	PLOT DATE = 1/4/2008	DATE -	REVISED -

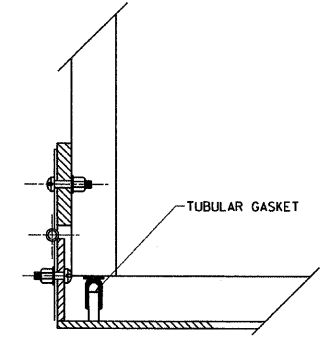
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER			
130 FT TO 150 FT (40 m TO 45.5)			
SCALE: NONE	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.

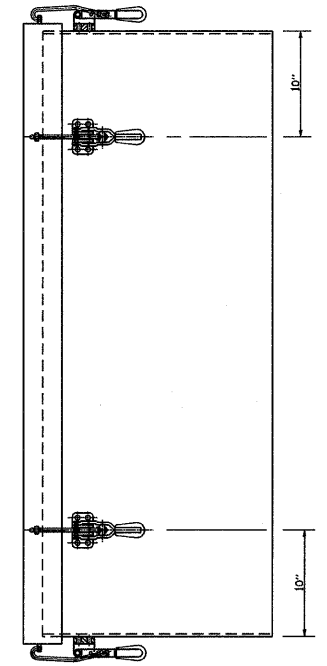
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	Cook	516	210H
BE-505			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



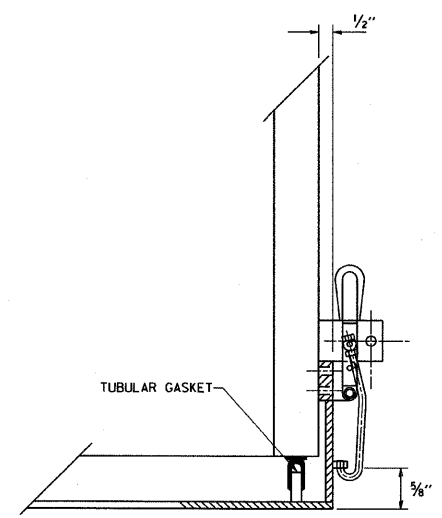
TOP VIEW



HINGE DETAIL

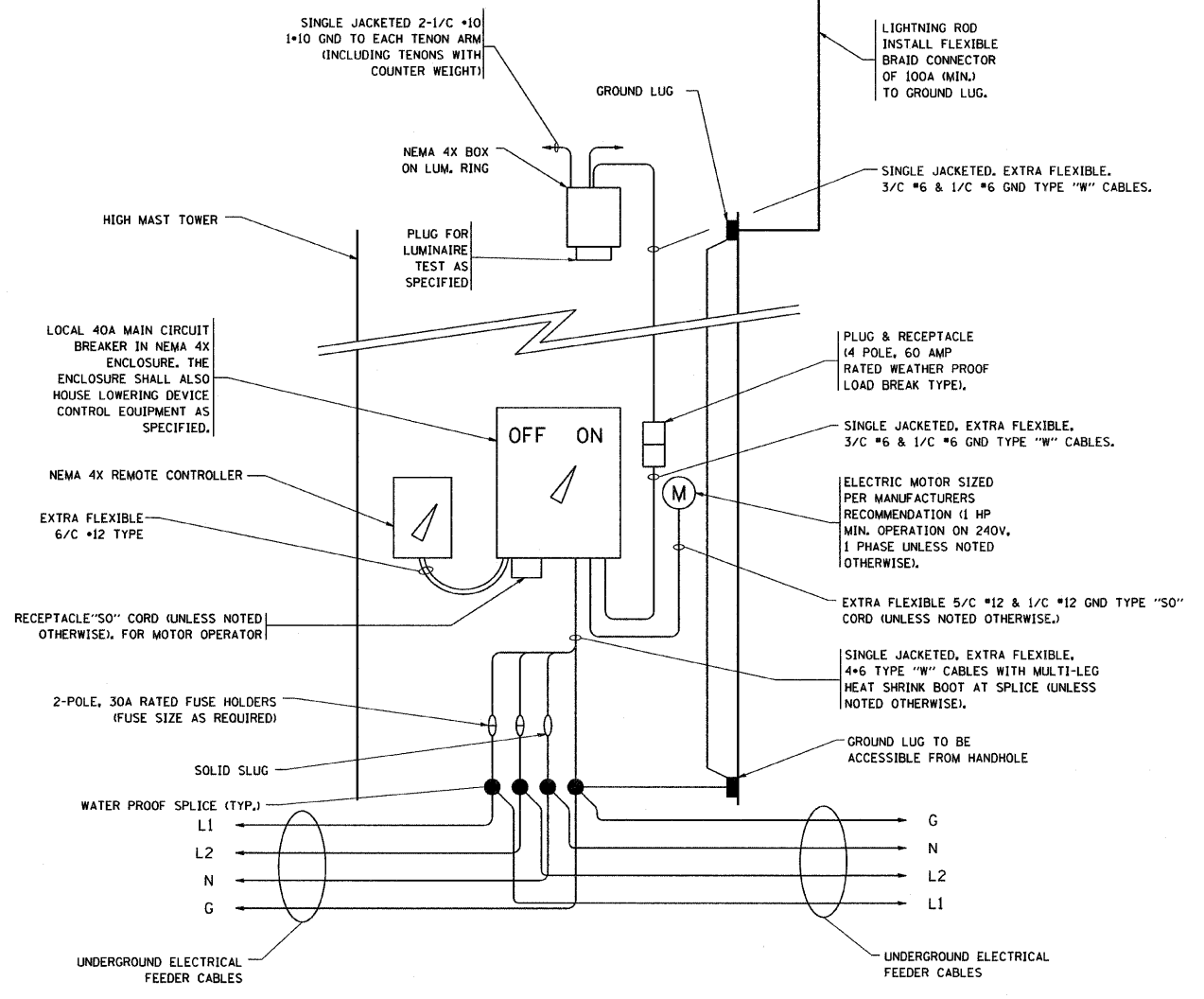


SIDE VIEW

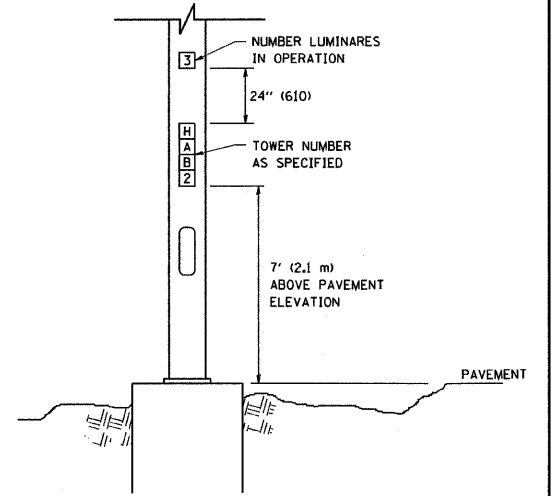


LATCH DETAIL

HANDHOLE DOOR DETAILS



HIGH MAST POLE WIRING DIAGRAM



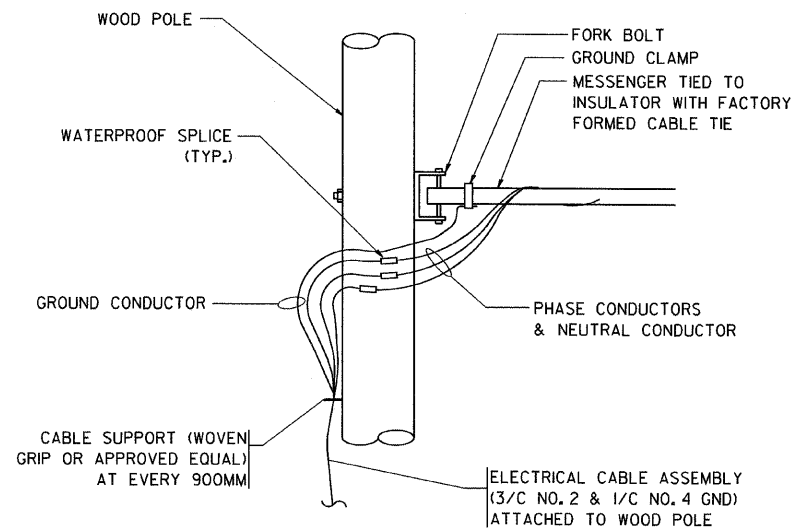
LIGHT TOWER NUMBERING DETAIL

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	PLOT DATE = 1/4/2008	DATE -	REVISED -

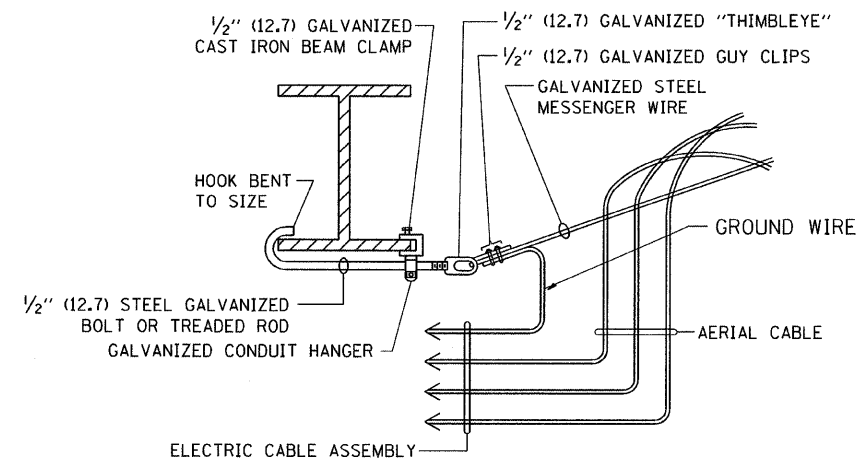
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER			
130 FT TO 150 FT (40 m TO 45.5)			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	210I
BE-505			CONTRACT NO. 60J27	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



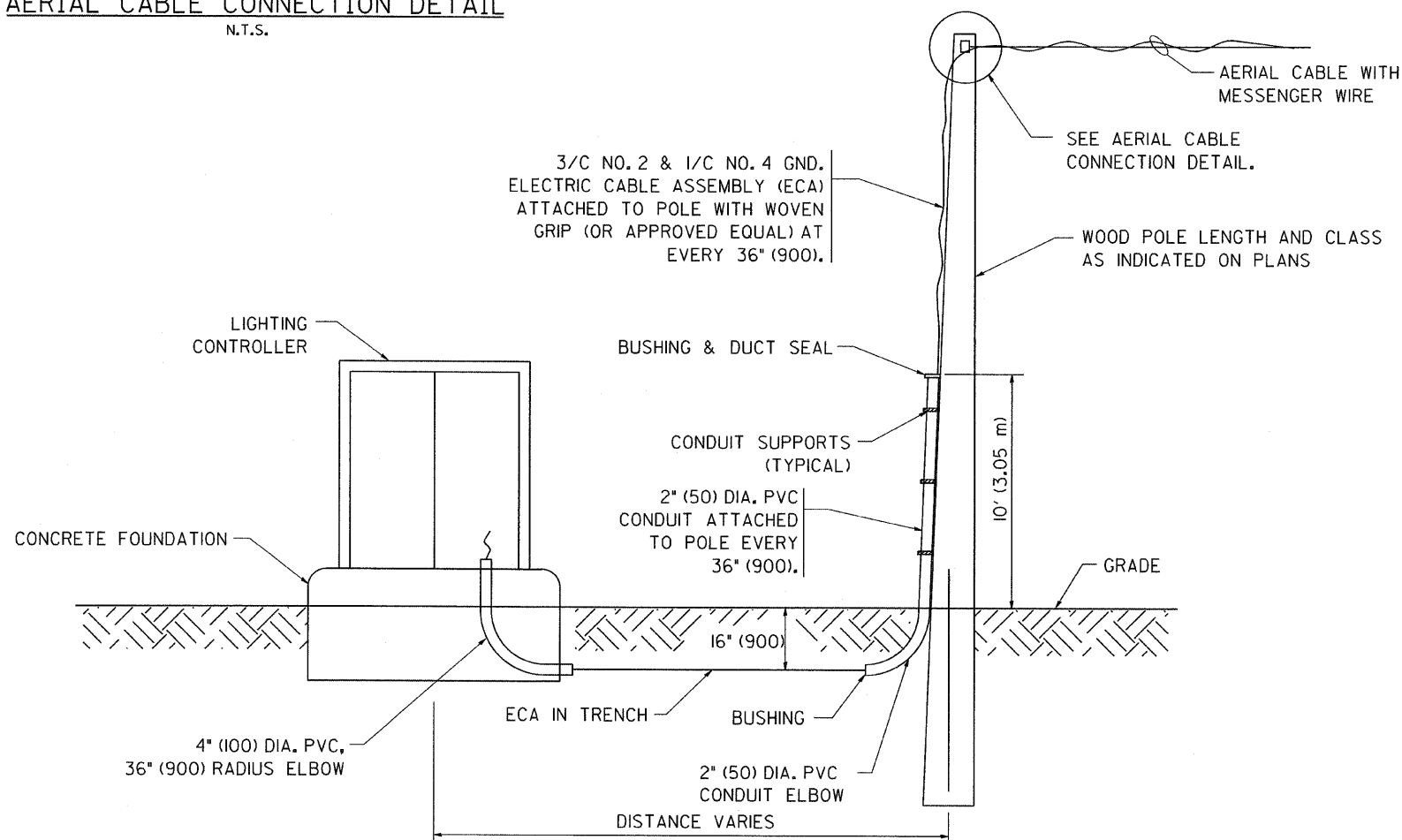
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

FILE NAME = W:\dststd\22x34\be801.dgn	USER NAME = geglent	DESIGNED -	REVISED - 08-08-03
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY AERIAL CABLE INSTALLATION			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	212B
BE-801		CONTRACT NO. 60127		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.
Bolts 7/8-in.φ, holes 15/16-in.φ, unless otherwise noted.

Calculated weight of Structural Steel =
Grade 50 = 323,180 lbs
Grade 36 = 33,700 lbs

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706
Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

If the Contractor elects to use cantilever forming brackets on the exterior
beams or girders, the brackets shall be placed at the same locations as
required for the hardwood blocks in Article 503.06(b) of the Standard
Specifications. If additional cantilever forming brackets are required,
hardwood blocking shall be wedged between the exterior and first interior
beam at each of these additional bracket locations.

Concrete Sealer shall be applied to the exposed surfaces of backwalls, bridge seats
and front face of pile caps at the abutments.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used
for painting of new structural steel except where otherwise noted. The entire
system shall be shop applied, with the exception that masked off connection
surfaces, field installed fasteners and damaged areas shall be touched up in the
field. The color of the final finish coat for all interior steel surfaces shall be
Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior
and bottom flange of the fascia beams shall be Interstate Green, Munsell
No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal
Structures".

Slipforming of the parapet is not allowed.

The conduit shown embedded in structure and attached to structure is paid for in the Roadway Plans.

It shall be the Contractor's responsibility to verify the location of all fiber optic utilities prior to starting
construction. The Contractor shall initiate the locate process for the fiber optic cable by completing
a "Request to Locate Tollway Facilities" form (Tollway Form A-36) and submitting it to the Tollway.
Copies of Form A-36 are available from the Tollway's Utility/Permit Section (630-241-6800, ext 3306).
Completed A-36 forms shall be faxed to the Tollway to the attention of Tollway Utility Administrator
at 630-271-7568, at least four (4) business days prior to starting any underground operations,
excavations or digging of any type in general area of the fiber optic cable.

INDEX OF SHEETS

1	General Plan & Elevation
2	Gen Notes, Index of Sheets, Bill of Material
3	Stage Construction
4	Stage Construction Details
5	Temporary Concrete Barrier
6	Top of Slab Elevations - Layout
7	Top of Slab Elevations-SB 157 - 1
8	Top of Slab Elevations -SB 157 - 2
9	Top of Slab Elevations -SB & NB I-57
10	Top of Slab Elevations-NB 157 - 1
11	Top of Slab Elevations-NB 157 & C-D Road A
12	Top of Slab Elevations C-D Road A
13	Top of West Approach Slab Elevations - 1
14	Top of West Approach Slab Elevations - 2
15	Top of East Approach Slab Elevations - 1
16	Top of East Approach Slab Elevations - 2
17	Superstructure - SB 157
18	Superstructure - NB 157
19	Superstructure - C-D Road A
20	Parapet Elevations
21	Superstructure Details
22-27	West Approach Slab Details
28-33	East Approach Slab Details
34	West Anchorage Slab Details
35	East Anchorage Slab Details
36	Anchorage Slab Details
37	Drainage Details
38	Drainage Scupper, DS II
39	Preformed Joint Strip Seal
40	Framing Plan
41	Structural Steel Details
42	Bearing Details
43	West Abutment - 1
44	West Abutment - 2
45	West Abutment - 3
46	West Abutment Details
47	East Abutment - 1
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49	East Abutment - 3
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51	West Mechanically Stabilized Earth Retaining Wall
52	West Mechanically Stabilized Earth Retaining Wall Details
53	East Mechanically Stabilized Earth Retaining Wall
54	East Mechanically Stabilized Earth Retaining Wall Details
55	Bar Splicer Assembly and Mechanical Splicer Details
56	HP Pile Details
57-62	Boring Logs

TOTAL BILL OF MATERIAL

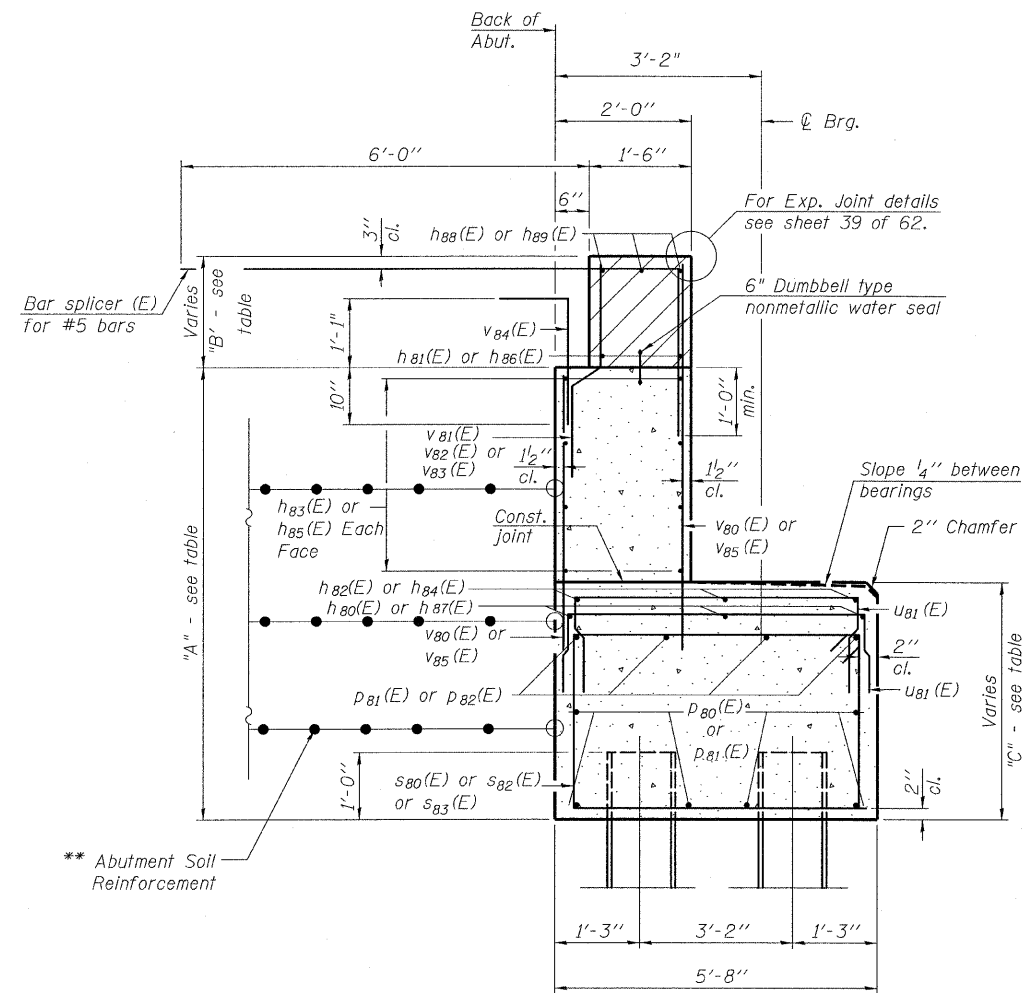
ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu Yd		8,020	8,020
Concrete Structures	Cu Yd		551.7	551.7
Concrete Superstructure	Cu Yd	1,051.8		1,051.8
Bridge Deck Grooving	Sq Yd	2,511		2,511
Protective Coat	Sq Yd	3,148		3,148
Furnishing and Erecting Structural Steel	L Sum	0.20		0.20
Stud Shear Connectors	Each	9,765		9,765
Reinforcement Bars, Epoxy Coated	Pound	239,520	58,330	297,850
Bar Splicers	Each	396		396
Furnishing Steel Piles HP12x53	Foot		3,774	3,774
Driving Piles	Foot		3,774	3,774
Test Pile Steel HP12x53	Each		2	2
Pile Shoes	Each		104	104
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	385.0		385.0
Elastomeric Bearing Assembly, Type I	Each	31		31
Anchor Bolts, 1"	Each	124		124
Concrete Sealer	Sq Ft		3,260	3,260
Drainage Scuppers, DSII	Each	6		6
Temporary Soil Retention System	Sq Ft		6,820	6,820
Mechanically Stabilized Earth Retaining Wall	Sq Ft		9,555	9,555
Drainage System	L Sum	0.20		0.20

**GENERAL NOTES, INDEX OF SHEETS,
BILL OF MATERIAL
STRUCTURE NO. 016-1252**

TYLIN INTERNATIONAL	DESIGNED - DY	REVISIONS		SHEET NO. 2	F.A.I RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 315
	CHECKED - AD,LS	NAME	DATE						
	DRAWN - DY,EI								
	CHECKED - LS,SP,PDF								
	DATE - 03/18/10	△ REVISED	05/24/10						
				62 SHEETS	CONTRACT NO. 60J27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									

P:\602540157-294\STRUCTURAL\I-57-OVER-RAMP-B\FINAL.SUBMITTEL.03172010\0161252-60J27-002-GENNOTES-00M.dgn 5/21/2010 2:18:16 PM

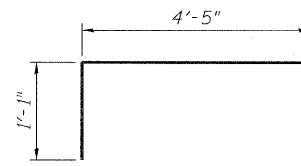
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



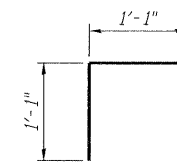
SEC. THRU ABUT.

** The M.S.E. wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 2 kips/ft. Contractor shall coordinate abutment construction with construction of MSE retaining wall.

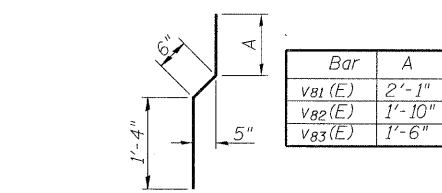
Location	A	B	C
C-D Road A	6'-7 $\frac{1}{2}$ "	1'-4" to 1'-8 $\frac{1}{2}$ "	4'-0 $\frac{3}{4}$ " to 4'-4 $\frac{1}{8}$ "
NB I-57	6'-2 $\frac{3}{8}$ "	1'-4" to 2'-0 $\frac{3}{4}$ "	3'-7 $\frac{5}{8}$ " to 4'-3 $\frac{1}{2}$ "
SB I-57	6'-0 $\frac{5}{8}$ "	1'-4" to 2'-2 $\frac{7}{8}$ "	3'-6" to 4'-3 $\frac{7}{8}$ "



BAR b103(E)



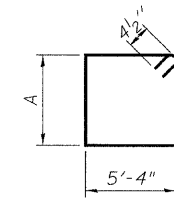
BAR v84(E)



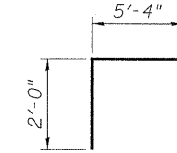
BAR v81(E), v82(E) & v83(E)

Bar	A
s80(E)	3'-2"
s82(E)	3'-5"
s83(E)	3'-9"

BARS s80(E), s82(E) & s83(E)



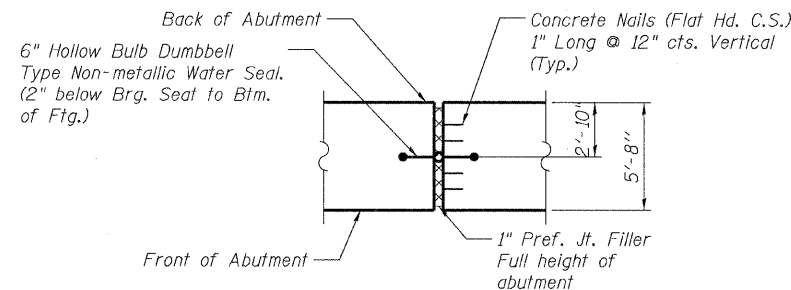
BAR U80(E)



BARS U81(E)

PILE DATA

Type: HP12x53 with Pile Shoes
Nominal Required Bearing: 119 kips
Factored Resistance Available: 230 kips
Est. Length: 33 ft
No. Production Piles: 51
No. Test Piles: 1



SEC. THRU 1" EXP. JT. FILLER

Cost of Water Seal included in the cost of Concrete Structures.

**EAST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b103(E)	8	#6	6'-4"	┌
h80(E)	6	#5	29'-9"	—
h81(E)	8	#6	39'-9"	—
h82(E)	6	#5	18'-6"	—
h83(E)	32	#5	39'-10"	—
h84(E)	3	#5	18'-2"	—
h85(E)	16	#5	22'-9"	—
h86(E)	4	#6	22'-8"	—
h87(E)	3	#5	43'-7"	—
h88(E)	6	#6	23'-9"	—
h89(E)	12	#6	40'-1"	—
p80(E)	24	#7	40'-6"	—
p81(E)	10	#7	42'-3"	—
p82(E)	16	#7	40'-10"	—
s80(E)	132	#4	17'-9"	□
s82(E)	132	#4	18'-3"	□
s83(E)	72	#4	18'-11"	□
u80(E)	24	#6	8'-5"	U
u81(E)	158	#4	7'-4"	U
v80(E)	154	#5	5'-9"	—
v81(E)	77	#4	3'-11"	—
v82(E)	77	#4	3'-8"	—
v83(E)	44	#4	3'-4"	—
v84(E)	198	#5	3'-10"	┌
v85(E)	242	#5	5'-11"	—
Structure Excavation		Cu. Yd.	4,010	
Concrete Structures		Cu. Yd.	203.4	
Reinforcement Bars, Epoxy Coated		Pound	16,880	
Furnishing Steel Piles, HP12x53		Foot	1,734	
Pile Shoes		Each	52	
Driving Piles		Foot	1,734	
Test Pile, HP12x53		Each	1	
Concrete Sealer		Sq. Ft.	1,610	

For details of Bar Splicers, see sheet 55 of 62.
For details of piles, see sheet 56 of 62.

**EAST ABUTMENT DETAILS
S.N. 016-1252**

TYLIN INTERNATIONAL	DESIGNED - DY	REVISIONS		SHEET NO. 50	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
	CHECKED - AD,LS	NAME	DATE							1414.2B	COOK	516	363	
	DRAWN - DY,EI													CONTRACT NO. 60J27
	CHECKED - LS,SP,PDF													
	DATE - 03/18/10	REVIS	05/24/10											

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