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1338 A.-I. APPROACH TO LANE CLOSURE DETAILS
ALTERNATE ROUTE DETOUR DETAILS

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1341	SUMMARY OF QUANTITIES
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1343	SCHEDULE OF QUANTITIES
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1382-1416	BRIDGE REPAIR PLANS - RAMP F SN 025-0018
1416A	BRIDGE REPAIR PLANS - RAMP F SN 025-0018

Rev. 7-14-10

FILE NAME =	USER NAME = lunda	DESIGNED - JWS	REVISED - 4-20-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILED INDEX OF SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROJECT: 403 000725P-10.dgn 5 In./A:\lunda\condred index of sheets.dgn	DRAWN - PDB	REVISED - 5-21-10	57/70			(25-3)R, BY	EFFINGHAM	1416	1A	
PLOT SCALE = 50,0000 ' / IN.	CHECKED - BRM	REVISED -	CONTRACT NO. 74296							
PLOT DATE = 5/24/2010	DATE - 03-30-10	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
HIGHWAY IMPROVEMENT**

**FAI ROUTE 70 (I-70) AND FAI ROUTE 57/70 (I-57/70) AND FAI ROUTE 57/70 (I-57/70)
SECTION (25-3)B SECTION (25-3)R, BY SECTION (25-3)BR**

EFFINGHAM COUNTY

**SOUTH TRI LEVEL INTERCHANGE RECONSTRUCTION
AND CULVERT TUNNEL EXTENSIONS
AND LITTLE WABASH RIVER BRIDGE REPLACEMENT
AND BRIDGE REPAIR**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)R, BY, BR, B	EFFINGHAM	1416	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 74296		

D-97-053-01

* 1416 + 4 = 1420
+ 9
1429

INDEX OF SHEETS

- 1 COVER SHEET
- 2-8 COMBINED SUMMARY OF QUANTITIES (LITTLE WABASH)
- 9-124 SET 1 SECTION (25-3)B (SOUTH TRI LEVEL)
- * 125-1338 SET 2 SECTION (25-3)R & (25-3)BY (BRIDGE REPAIR)
- 1339-1416 SET 3 SECTION (25-3)BR

* ADDED 1358 A.-I.

STANDARDS

202001-02	483001-04	602701-02	635011-02	701456
280001-05	515001-03	604001-03	637006-02	701901-01
420001-07	542101-02	604006-04	642001-01	704001-06
420101-04	542201-02	604081-04	665001-02	720001-01
420206-08	542206-01	604101-01	667101-01	720006-02
420306-06	542301-02	606001-04	701101-02	720011-01
420401-08	542401-01	609001-05	701106-02	720021-02
420601-05	542606-01	610001-05	701201-03	780001-02
420701-02	601001-03	630001-08	701400-04	781001-03
421001-02	601101-01	630101-08	701401-05	836001
421101-07	602106-01	630301-05	701402-07	000001-05
421106-07	602301-02	631011-06	701406-05	001001-02
442101-07	602306-02	631031-08	701411-06	001006
482006-03	602401-02	635001-01	701426-03	BLR 21-8
482011-03	602601-02	635006-03	701451-01	BLR 22-6
			701301-03	825026

SET 2
SECTION (25-3)BY INCLUDES EXTENSION OF THE REINFORCED CONCRETE BOX CULVERTS FOR THE STRUCTURES CARRYING EASTBOUND AND WESTBOUND FAI ROUTES 57/70 OVER FRONTAGE ROAD 1354 STA 2076+03.28 EB I-57/70 (ROADWAY B) AND STA 2073+18.78 WB I-57/70 (ROADWAY A)
SN 025-2018 EB
SN 025-2017 WB

SET 3 - LOCATION 1
SECTION (25-3)BY-2 INCLUDES MICROSILICA OVERLAY, BEARING REPLACEMENT, SEISMIC CABLE RESTRAINTERS AND MISC. CONCRETE REPAIR FOR THE STRUCTURE CARRYING SOUTHBOUND FAI-57 OVER EASTBOUND FAI-70. STA 5029+52.21 (RDWY C)
SN 025-0001

SET 1
SECTION (25-3)B ENDS
STA 2015+00.00

SET 1
SECTION (25-3)B INCLUDES REPLACEMENT OF EXISTING STRUCTURE WITH A NEW 5-SPAN BULB T-BEAM SUPER-STRUCTURE ON REINFORCED CONCRETE PIERS AND ABUTMENTS CARRYING EB & WB FAI ROUTE 70 OVER LITTLE WABASH RIVER
SN 025-0107 EB (EX. SN 025-0009 EB)
SN 025-0108 WB (EX. SN 025-0010 WB)

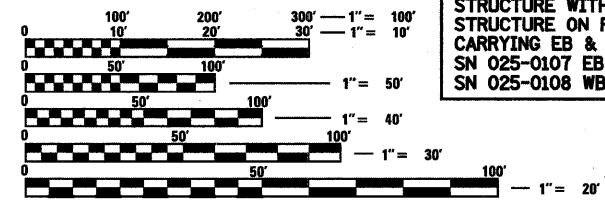
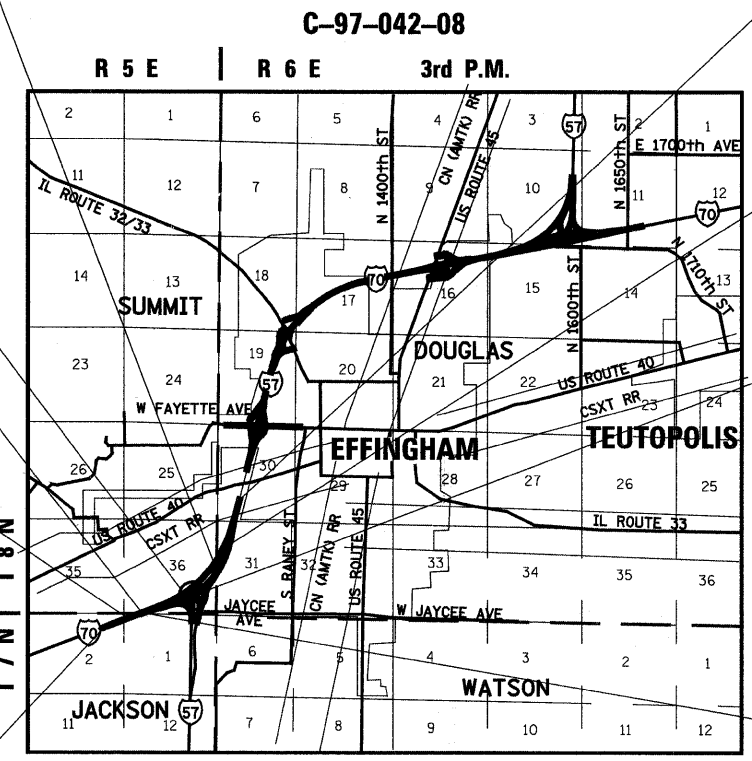
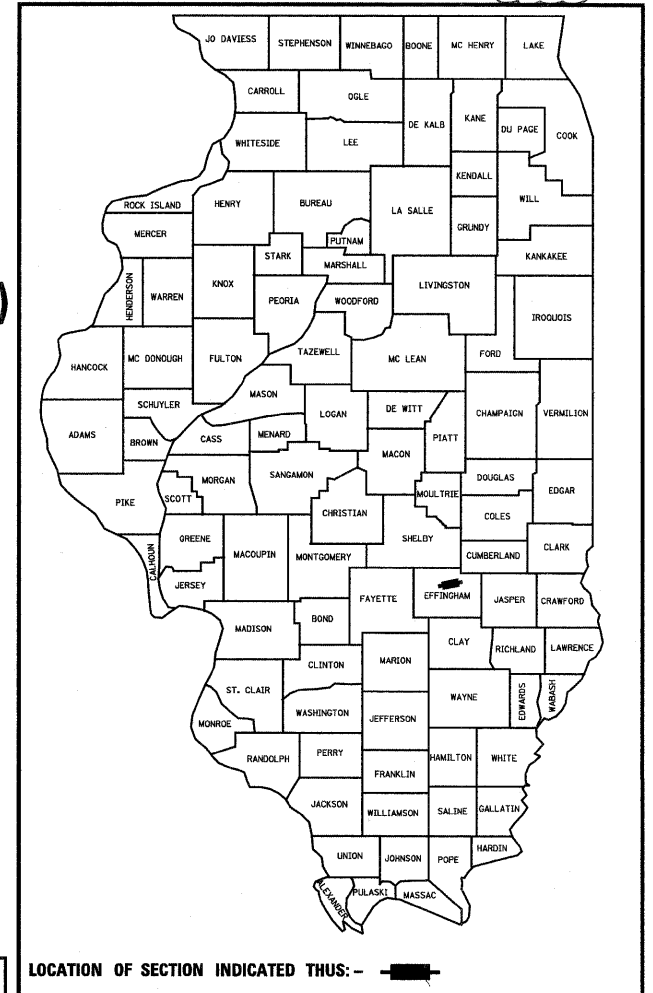
SET 1
SECTION (25-3)B BEGINS
STA 1997+75.00

SET 2
SECTION (25-3)R ENDS
STA 2103+44.00

STATION EQUATION
BK STA 2093+00.73 ROADWAY B=
AH STA 2090+18.51 I57/70

SET 3 - LOCATION 2
SECTION (25-3)BY-3 INCLUDES BEARING REPLACEMENT, SEISMIC CABLE RESTRAINTERS AND MISC. CONCRETE REPAIR FOR THE STRUCTURE CARRYING RAMP F (WESTBOUND FAI-70) OVER SOUTHBOUND FAI-57 AND EASTBOUND FAI-70
STA 6+84.16 (RAMP F)
SN 025-0018

SET 2
SECTION (25-3)R BEGINS
STA 2015+00.00



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

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

PROJECT ENGINEER: TOM RONAN (217)342-8320

CONTRACT NO. 74296

DESIGN DESIGNATION

7070 (30) PRINCIPAL ARTERIAL INTERSTATE 130.64 (CRCP-20) JACKSON, SUMMIT AND DOUGLAS TOWNSHIP

- ADT 45,400 (2010) FAI 57/70
45% TRUCKS
- ADT 18,800 (2010) FAI 57
44% TRUCKS
- ADT 27,000 (2010) FAI 70
46% TRUCKS

LOCATION MAP



NET SET 1 SECTION LENGTH = 1,725.00 FEET = 0.327 MILES
NET SET 2 SECTION LENGTH = 9,126.22 FEET = 1.728 MILES
NET SET 3 SECTION LENGTH = 446.11 FEET = 0.084 MILES
TOTAL LENGTH = 11,297.33 FEET = 2.139 MILES



Brian R. Mueller
ILLINOIS PROFESSIONAL ENGINEER NO. 062-052018 DATE 03-23-10
EXP. 11-30-2011



BERNARDIN * LOCHMUELLER & ASSOCIATES, INC.
3 OAK DRIVE
MARYVILLE, ILLINOIS 62062
PHONE (618) 288-4665
FAX (618) 288-4666

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 24 2010
Rogan J. Duckell
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

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				(25-3)B			(25-3)R				(25-3)BY		(25-3)BR	
				100% STATE ROADWAY J000-2A	100% STATE BRIDGE SN 025-0107 EB & SN 025-0108 X031-2A	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE ROADWAY J000-2A	100% STATE ROADWAY 1000	100% STATE SIGNING Y002-1C	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228-2A	100% STATE BRIDGE 025-0001 X271-2A	100% STATE BRIDGE 025-0018 X271-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	866	12			854							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	869	36			833							
20100500	TREE REMOVAL, ACRES	ACRE	16.75	0.5			16.25							
20200100	EARTH EXCAVATION	CU YD	119780	6315			113465							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	105				376				60	29		240
20400800	FURNISHED EXCAVATION	CU YD	91325	6265			85060							
20700220	POROUS GRANULAR EMBANKMENT	CU YD	324								60	29		235
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	1044		460						350	234		
20800150	TRENCH BACKFILL	CU YD	972				972							
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	210992	21837			189155							
* 25000200	SEEDING, CLASS 2	ACRE	47.75	6.25			41.5							
* 25000300	SEEDING, CLASS 3	ACRE	1.25				1.25							
* 25000350	SEEDING, CLASS 7	ACRE	62.5	6.25			56.25							
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4411	563			3848							
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4411	563			3848							
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4411	563			3848							
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.5				2.5							
* 25000750	MOWING	ACRE	49	6.25			42.75							
* 25100120	MULCH, METHOD 2	TON	98	12.5			85.5							
* 25100630	EROSION CONTROL BLANKET	SQ YD	4536				4536							
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	30	20			10							
28000305	TEMPORARY DITCH CHECKS	FOOT	7380	322			7058							
28000400	PERIMETER EROSION BARRIER	FOOT	28188	2704			25484							
28000500	INLET AND PIPE PROTECTION	EACH	65	3			62							
28001000	AGGREGATE (EROSION CONTROL)	TON	22	19			3							
28100105	STONE RIPRAP, CLASS A3	SQ YD	976				976							
28100107	STONE RIPRAP, CLASS A4	SQ YD	12,811	91		2,139	10581							
28200200	FILTER FABRIC	SQ YD	12,811	91		2,139	10581							
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	132106	10010			122096							
30201500	LIME	TON	1141.1	252.3			888.8							
30201800	SLAG-MODIFIED PORTLAND CEMENT	TON	1724.5				1724.5							
31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	2757				2757							
31200500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	SQ YD	136991	10010			126981							
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	5116				5116							
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	400				400							
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2060				2060							
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	5371				5371							
40300500	COVER COAT AGGREGATE	TON	102				102							
40300600	SEAL COAT AGGREGATE	TON	51				51							
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1288	14				1234						40
40600300	AGGREGATE (PRIME COAT)	TON	26.3	0.3				25						1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	588	176										412
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	111											111
40600990	TEMPORARY RAMP	SQ YD	269					220						49
40603550	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105	TON	1257	12				1204						41

* Specialty Items

Rev. 7-14-10
Rev. 5-26-10

FILE NAME =	USER NAME = betaj	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINED SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\027-70\027-70.dgn		DRAWN - ESW	REVISED -			57/70	(25-3)R, BY, BR, B	EFFINGHAM	1416	2	
		CHECKED - BRM	REVISED -			CONTRACT NO. 74296					
		DATE - 09-18-09	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE													
				(25-3)B			(25-3)R						(25-3)BY			(25-3)BR	
				100% STATE ROADWAY J000-2A	100% STATE BRIDGE SN 025-0107 EB & SN 025-0108 X031-2A	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE ROADWAY J000-2A	100% STATE ROADWAY 1000	100% STATE SIGNING Y002-1C	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE SN025-0099 SN025-0100 SFTY-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228-2A	100% STATE BRIDGE 025-0001 X271-2A	100% STATE BRIDGE 025-0018 X271-2A		
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	77				77										
40800030	AGGREGATE (PRIME COAT)	TON	2				2										
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	349				349										
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	4594				4594										
42000540	PORTLAND CEMENT CONCRETE PAVEMENT 12"	SQ YD	31393	1426			28992									975	
42001200	PAVEMENT FABRIC	SQ YD	31415	1426			28992	22								975	
42001300	PROTECTIVE COAT	SQ YD	12352	1426			10926										
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	284				284										
42001500	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	SQ YD	11				11										
42100360	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 13"	SQ YD	124143	9342			114801										
42100960	PAVEMENT REINFORCEMENT 13"	SQ YD	124143	9342			114801										
42101080	WIDE FLANGE BEAM TERMINAL JOINT COMPLETE (SPECIAL)	EACH	4	4													
42101300	PROTECTIVE COAT	SQ YD	126011	11210			114801										
44000100	PAVEMENT REMOVAL	SQ YD	75297	6522			68775										
44000192	HOT-MIX ASPHALT REMOVAL (SPECIAL)	SQ YD	4682				4682										
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	16468					16468									
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2397				2397										
44000700	APPROACH SLAB REMOVAL	SQ YD	479	427			52										
44004000	PAVED DITCH REMOVAL	FOOT	1532				1532										
44004250	PAVED SHOULDER REMOVAL	SQ YD	38208	4413			32845									950	
44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	29495	1019			28476										
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	492					492									
44201047	CLASS B PATCHES, TYPE III, 16 INCH	SQ YD	22					22									
44213200	SAW CUTS	FOOT	2866					2866									
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	7528	555			6973										
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	81					81									
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	214	214													
48203100	HOT-MIX ASPHALT SHOULDERS	TON	734					723								11	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2		2												
50102400	CONCRETE REMOVAL	CU YD	211.4				37.7				6.5	50.9	23.8		44	48.5	
50104400	CONCRETE HEADWALL REMOVAL	EACH	7				7										
50104650	SLOPE WALL REMOVAL	SQ YD	1826	1408											59	359	
50105220	PIPE CULVERT REMOVAL	FOOT	296	15			281										
50157300	PROTECTIVE SHIELD	SQ YD	436								20				244	172	
50200100	STRUCTURE EXCAVATION	CU YD	1477		1441										24	12	
50200300	COFFERDAM EXCAVATION	CU YD	4244		4244												
50202901	COFFERDAM (LOCATION - 1)	EACH	1		1												
50202902	COFFERDAM (LOCATION - 2)	EACH	1		1												
50202903	COFFERDAM (LOCATION - 3)	EACH	1		1												
50202904	COFFERDAM (LOCATION - 4)	EACH	1		1												
50300100	FLOOR DRAINS	EACH	109		108						1						
50300225	CONCRETE STRUCTURES	CU YD	1816		1722.6										49.8	43.6	
50300254	RUBBED FINISH	SQ FT	737												323	414	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2076.9		1944.7						7.2				42.9	82.1	
50300260	BRIDGE DECK GROOVING	SQ YD	5605		4861		12								652	80	

Rev. 7-14-10

SUMMARY OF QUANTITIES

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE													
				(25-3)B			(25-3)R				(25-3)BY			(25-3)BR			
				100% STATE ROADWAY J000-2A	100% STATE BRIDGE SN 025-0107 EB & SN 025-0108 X031-2A	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE ROADWAY J000-2A	100% STATE ROADWAY I000	100% STATE SIGNING Y002-1C	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE SN025-0099 SN025-0100	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228-2A	100% STATE BRIDGE 025-0001 X271-2A	100% STATE BRIDGE 025-0018 X271-2A		
50300265	SEAL COAT CONCRETE	CU YD	710		710												
50300280	CONCRETE ENCASEMENT	CU YD	70.8		70.8												
50300300	PROTECTIVE COAT	SQ YD	7135.4		6091						26.4				819	199	
50400745	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BULB T-BEAMS 72"	FOOT	6387		6387												
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	17305												7466	9839	
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	26												18	8	
50600600	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1												1		
50600700	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1													1	
50800105	REINFORCEMENT BARS	POUND	141,080					141,080									
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	790,760		681,600			1370			2050	43260	29800		12170	20510	
50800515	BAR SPLICERS	EACH	4015		3898										86	31	
51100100	SLOPE WALL 4 INCH	SQ YD	400												48	352	
51201800	FURNISHING STEEL PILES HP 14X73	FOOT	17566	148	17344			74									
51202305	DRIVING PILES	FOOT	17566	148	17344			74									
51203800	TEST PILE STEEL HP14X73	EACH	12		12												
51500100	NAME PLATES	EACH	4		2							1	1				
52000110	PREFORMED JOINT STRIP SEAL	FOOT	334		184										91	59	
52000320	NEOPRENE EXPANSION JOINT 2"	FOOT	232												111	121	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	26												18	8	
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	28		28												
52100505	ANCHOR BOLTS, 5/8"	EACH	56		56												
52100520	ANCHOR BOLTS, 1"	EACH	36												36		
52100530	ANCHOR BOLTS, 1 1/4"	EACH	166		32										72	62	
52100540	ANCHOR BOLTS, 1 1/2"	EACH	16													16	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	248					118				96	34				
54003000	CONCRETE BOX CULVERTS	CU YD	891.5					463.7				255.3	172.5				
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	121					121									
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	204	14				190									
542A0253	PIPE CULVERTS, CLASS A, TYPE 1 48"	FOOT	9					9									
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	297	118				179									
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	27					27									
542A1093	PIPE CULVERTS, CLASS A, TYPE 2 48"	FOOT	88					88									
542A1099	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	83					83									
542A1129	PIPE CULVERTS, CLASS A, TYPE 2 84"	FOOT	16					16									
542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	40					40									
542A2809	PIPE CULVERTS, CLASS A, TYPE 4 84"	FOOT	67					67									
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	36					36									
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	94					94									
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	39					39									
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4					4									
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	2				2									
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2					2									
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	4					4									
54213729	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	EACH	1					1									
54215424	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 24"	EACH	2					2									

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FILE NAME = S:\Projects\1002727\1002727.dwg
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DATE - 09-18-09

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMBINED SUMMARY OF QUANTITIES

SCALE: SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)R, BY, BR, B	EFFINGHAM	1416	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 74296	

SUMMARY OF QUANTITIES

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																
				(25-3)B			(25-3)R			(25-3)BY			(25-3)BR							
				100% STATE ROADWAY J000-2A	100% STATE BRIDGE SN 025-0107 EB & SN 025-0108 X031-2A	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE ROADWAY J000-2A	100% STATE ROADWAY 1000	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228-2A	100% STATE BRIDGE 025-0001 X271-2A	100% STATE BRIDGE 025-0018 X271-2A							
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	13	2			11													
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	14	6			8													
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	15	4			11													
63200310	GUARDRAIL REMOVAL	FOOT	12267	1675			10592													
63200400	CABLE ROAD GUARD REMOVAL	FOOT	2193				2193													
70500000	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	395				395													
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL TYPE A	FOOT	1479				425													
63500105	DELINEATORS	EACH	241				241													
63700275	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT	FOOT	1349				1349													
63700900	CONCRETE BARRIER BASE	FOOT	1870				1870													
64200105	SHOULDER RUMBLE STRIPS	FOOT	53872	5554			40092	8226												
66500105	WOVEN WIRE FENCE, 4'	FOOT	2149				2149													
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	48				48													
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2																
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	27				27													
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	27				27													
67100100	MOBILIZATION	L SUM	1	0.2			0.76										0.02	0.02		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2					2												
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1					1												
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1					1												
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1					1												
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1					1												
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.2			0.76										0.02	0.02		
70101900	TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	L SUM	1				0.5												0.5	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	10			38										1	1		
70106810	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	625				625													
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	25				25													
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3993					3969									24			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	67193	11250			46147	9514									282			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	11066	1407			8795	829									35			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	6213				5589	624												
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1190				1103	87												
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	33704	4454			24592	4546									112			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	26762.5	3562.5			22800										400			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	29512.5	3562.5			25550										400			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	95				95													
* 72000200	SIGN PANEL - TYPE 2	SQ FT	48				48													
* 72000300	SIGN PANEL - TYPE 3	SQ FT	2945	158.0			2000.5	186.5												
* 72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	1213				798.75	414.25												
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	9440				513	8927												
* 72700200	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY	POUND	307				307													
* 73000100	WOOD SIGN SUPPORT	FOOT	130				130													
* 73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	286	100			220													
* 73305000	OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	174	32			142													

*Specialty Items

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SUMMARY OF QUANTITIES

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				(25-3)B			(25-3)R			(25-3)Y			(25-3)BR		
				100% STATE ROADWAY J000-2A	100% STATE BRIDGE SN 025-0107 EB & SN 025-0108 X031-2A	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE ROADWAY J000-2A	100% STATE ROADWAY 1000	100% STATE SIGNING Y002-1C	100% STATE IMPACT ATTENUATORS SFTY-3N	100% STATE SN025-0099 SN025-0100 SFTY-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228-2A	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228-2A	100% STATE BRIDGE 025-0001 X271-2A	100% STATE BRIDGE 025-0018 X271-2A
X0325571	TRAFFIC CONTROL SUPERVISOR	CAL DA	760				760								
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	862											388	474
X0325605	PAVEMENT MARKING GROOVING	SQ FT	401				401								
X0358300	REMOVE AND RELAY END SECTIONS	EACH	1				1								
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1		1										
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1		1										
X5020503	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 3	EACH	1		1										
X5020504	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 4	EACH	1		1										
X5041800	CONCRETE ANCHORS	EACH	30				30								
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.1	L SUM	7												
X5080600	MECHANICAL SPlicERS	EACH	1752		1548										
X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.2	L SUM	1								204				
X6370250	CONCRETE BARRIER, VARIABLE CROSS SECTION 42" HEIGHT	FOOT	521				521								
X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM	1				1								
X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	66911	11250			46147	9514							
X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	11031	1407			8795	829							
X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	6213				5589	624							
X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1190				1103	87							
X2193500	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	591											591	
Z0012200	CONCRETE BRIDGE DECK SCARIFICATION (1/2 INCH)	SQ YD	652											652	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.2			0.76							0.02	0.02
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	25											14	11
Z0017100	DOWEL BARS	EACH	1204					1204							
Z0018800	DRAINAGE SYSTEM	L SUM	1												1
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	9		1			7						1	
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	1					1							
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	13		1			11						1	
Z0054505	ROCK FILL - REPLACEMENT	TON	791				791								
Z0065730	SLOPE WALL SLURRY PUMPING	CU YD	341												341
Z0076850	UNBOUND CONCRETE REMOVAL	SQ YD	15.8											10.8	5
A2005005	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), CONTAINER GROWN, 5-GALLON	EACH	200				200								
A2007003	TREE, TAXODIUM DISTICHUM (BALD CYPRESS), CONTAINER GROWN, 3-GALLON	EACH	200				200								
B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	350				350								
B2001464	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	200				200								
B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	200				200								
C2002048	SHRUB, CORYLIUS AMERICANA (AMERICAN FILBERT), 4' HEIGHT, BALLED AND BURLAPPED	EACH	875				875								
C2005905	SHRUB, RHUS GLABRA (SMOOTH SUMAC), 5-GALLON	EACH	875				875								
C2000363	SHRUB, AMOUPIA FRUITCOSA (INDIGO BUSH), CONTAINER GROWN, 3-GALLON	EACH	875				875								
C2000663	SHRUB, ARONIA MELANOCARPA VIKING (VIKING BLACK CHOKEBERRY), CONTAINER GROWN, 3-GALLON	EACH	875				875								
C2005724	SHRUB, RHUS AROMATICA (FRAGRANT SUMAC), 2' WIDTH, CONTAINER	EACH	875				875								
C2C11624	SHRUB, VIBURNUM CARLESI (KOREANSPICE VIBURNUM), 2' HEIGHT, CONTAINER	EACH	875				875								
C2C11736	SHRUB, VIBURNUM DENTATUM (ARROWWOOD VIBURNUM), 3' HEIGHT, CONTAINER	EACH	860				860								
D2002972	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	210				210								
X7800700	PREFORMED THERMOPLASTIC PAVEMENT MARKING SHIELD	EACH	4				4								
Z0076502	TRAFFIC MANAGEMENT SYSTEM	CAL MD	25				25								
X0023800	REMOVE AND RELOCATE INLETS	EACH	1		1										
Z0076504	TRAFFIC MANAGEMENT SYSTEM INSTALLATION	L SUM	1				1								
X0326845	SERVICE PROVIDER	CAL MD	25				25								
X7011008	TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE SIGNING	CAL MD	25				25								
X7011012	TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE	L SUM	1				1								
X7017026	TRAFFIC CONTROL AND PROTECTION, CASE I	EACH	12				12								
X7017027	TRAFFIC CONTROL AND PROTECTION, CASE II	EACH	8				8								
X7017028	TRAFFIC CONTROL AND PROTECTION, CASE III	EACH	12				12								

* Specialty Items

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PIPE CULVERTS SCHEDULE

LOCATION		PIPE CULVERT REMOVAL (FOOT)	PIPE CULVERTS, CLASS A, TYPE 1 24" (FOOT)	PIPE CULVERTS, CLASS A, TYPE 2 24" (FOOT)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (EACH)	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 24" RISER (EACH)	CONCRETE COLLAR (EACH)	STORM SEWERS, CLASS A, TYPE 1 24" (FOOT)	MEDIAN INLET 604101 (EACH)	MANHOLES TO BE ADJUSTED (EACH)	FILLING INLETS (EACH)	CONCRETE THRUST BLOCKS (EACH)	REMOVE AND RELOCATE INLETS (EACH)
STATION TO STATION	SIDE	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
1997+75.00	MED												1
1997+75.00 TO 1999+73.30	MED						196						
1999+73.30	MED								1				
1999+73.30 TO 2000+13.36	MED					1	35						
1999+98 TO 2000+13	MED	15											
2000+13.36	MED/RT		14		1					1			
2008+26.71	MED/RT			118	1	1			1			2	
2010+09.43	MED									1			
TOTAL		15	14	118	2	2	231	2	1	1	1	2	1

PAVEMENT MARKING SCHEDULE

LOCATION	URETHANE PAVEMENT MARKING - LINE 4"		URETHANE PAVEMENT MARKING - LINE 6"	PAVEMENT MARKING GROOVING (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (EACH)
	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	SKIP DASH WHITE (FOOT)			
STATION TO STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
I-70 WEST WESTBOUND						
1992+75.00 TO 1997+75.00	500	500	125	1125		
1997+75.00 TO 2001+49.02	374	374	94	842	10	
2001+49.02 TO 2006+13.18	464	464	116	1044		12
2006+13.18 TO 2015+00.00	887	887	222	1996	23	
I-70 WEST EASTBOUND						
1981+00.00 TO 1997+75.00	1675	1675	419	3769		
1997+75.00 TO 2001+49.02	374	374	93	841	10	
2001+49.02 TO 2006+13.18	464	464	116	1044		12
2006+13.18 TO 2015+00.00	887	887	222	1996	23	
SUBTOTAL	5625	5625	1407	12657	66	24
TOTAL	11250		1407	12657	66	24

TEMPORARY PAVEMENT MARKING SCHEDULE

LOCATION	TEMPORARY PAVEMENT MARKING - LINE 4"		TEMPORARY PAVEMENT MARKING - LINE 6"	WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)
	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	SKIP DASH WHITE (FOOT)	
STATION TO STATION	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
I-70 WEST WESTBOUND				
1992+75.00 TO 1997+75.00	500	500	125	395.8
1997+75.00 TO 2001+49.02	374	374	94	296.3
2001+49.02 TO 2006+13.18	464	464	116	367.3
2006+13.18 TO 2015+00.00	887	887	222	702.3
I-70 WEST EASTBOUND				
1981+00.00 TO 1997+75.00	1675	1675	419	1326.2
1997+75.00 TO 2001+49.02	374	374	93	295.8
2001+49.02 TO 2006+13.18	464	464	116	367.3
2006+13.18 TO 2015+00.00	887	887	222	702.3
SUBTOTAL	5625	5625	1407	4453.3
TOTAL	11250		1407	4454

PIPE UNDERDRAINS SCHEDULE

LOCATION		CONCRETE HEADWALL FOR PIPE DRAINS (EACH)	PIPE UNDERDRAINS 6" (FOOT)	PIPE UNDERDRAINS 6" (SPECIAL) (FOOT)	REMARKS
STATION TO STATION	SIDE	(EACH)	(FOOT)	(FOOT)	
I-70 WESTBOUND					
1997+75.00 TO 1999+73.30	LT/RT	2	396.6	20.0	PLUG AT STA 1997+75.00
1999+73.30 TO 2001+19.02	LT/RT		291.4		PLUG AT STA 2001+19.02
2006+43.18 TO 2008+26.71	LT/RT	2	367.1	20.0	PLUG AT STA 2006+43.18
2008+26.71 TO 2011+58.79	LT/RT		664.2		PLUG AT STA 2011+58.79
2011+59.79 TO 2015+00.00	LT/RT	2	680.4	20.0	PLUG AT STA 2011+59.79
I-70 EASTBOUND					
1997+75.00 TO 1999+73.30	LT/RT	2	396.6	20.0	PLUG AT STA 1997+75.00
1999+73.30 TO 2001+19.02	LT/RT		291.4		PLUG AT STA 2001+19.02
2006+43.18 TO 2008+26.71	LT/RT	2	367.1	20.0	PLUG AT STA 2006+43.18
2008+26.71 TO 2011+58.79	LT/RT		664.2		PLUG AT STA 2011+58.79
2011+59.79 TO 2015+00.00	LT/RT	2	680.4	20.0	PLUG AT STA 2011+59.79
STRUCTURE		LT/RT	8		
SUBTOTAL			20	4799.4	120.0
PAY TOTAL			20	4800	120

RIPRAP SCHEDULE

LOCATION		STONE RIPRAP CLASS A4 (SQ YD)	FILTER FABRIC (SQ YD)
STATION TO STATION	SIDE	(SQ YD)	(SQ YD)
2000+02 TO 2000+32	RT	46	46
2008+22 TO 2008+32	RT	45	45
TOTAL		91	91

EROSION CONTROL SCHEDULE

LOCATION			EARTH EXCAVATION FOR EROSION CONTROL (CU YD)	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	AGGREGATE (EROSION CONTROL) (TON)
STATION	OFFSET	SIDE	(CU YD)	(FOOT)	(FOOT)	(EACH)	(TON)
1997+70.00	0.0	MED				1	
1997+75.00 TO 1999+50.00		RT			175		
1997+75.00 TO 1999+00.00		LT			125		
1999+73.30	0.0	MED				1	
2000+00.00	130.1	RT		20			
2000+00.00	134.3	LT		12			
2001+25.00	0.0	MED		34			
2001+37.42	134.9	RT		17			
2001+37.42	138.8	LT		17			
2001+40.00 TO 2002+00.00		LT/RT			307		
2001+65.00	128.5	RT	3.0				2.8
2001+75.00	122.0	LT	3.0				2.8
2005+00.00 TO 2006+00.00		LT/RT			297		
2006+00.00 TO 2015+00.00		LT			901		
2006+00.00 TO 2015+00.00		RT			899		
2006+75.00	0.0	MED		34			
2008+26.58	0.0	MED				1	
2008+26.58	167.0	RT	3.0				2.8
2009+75.00	0.0	MED		34			
2010+10.00	130.0	RT	3.0				2.8
2010+90.00	163.5	LT	7.4				7.0
2011+25.00	0.0	MED		34			
2012+00.00	0.0	MED		34			
2013+50.00	0.0	MED		34			
2015+00.00	0.0	MED		34			
2015+00.00	91.2	RT		18			
SUBTOTAL			19.4	322	2704	3	18.2
PAY TOTAL			20	322	2704	3	19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

Bench Mark 55: Chiseled square on top of slope wall on east side of Little Wabash River Station 2005+86.10, 25.7' off of centerline I-70 West. Elev. 521.58

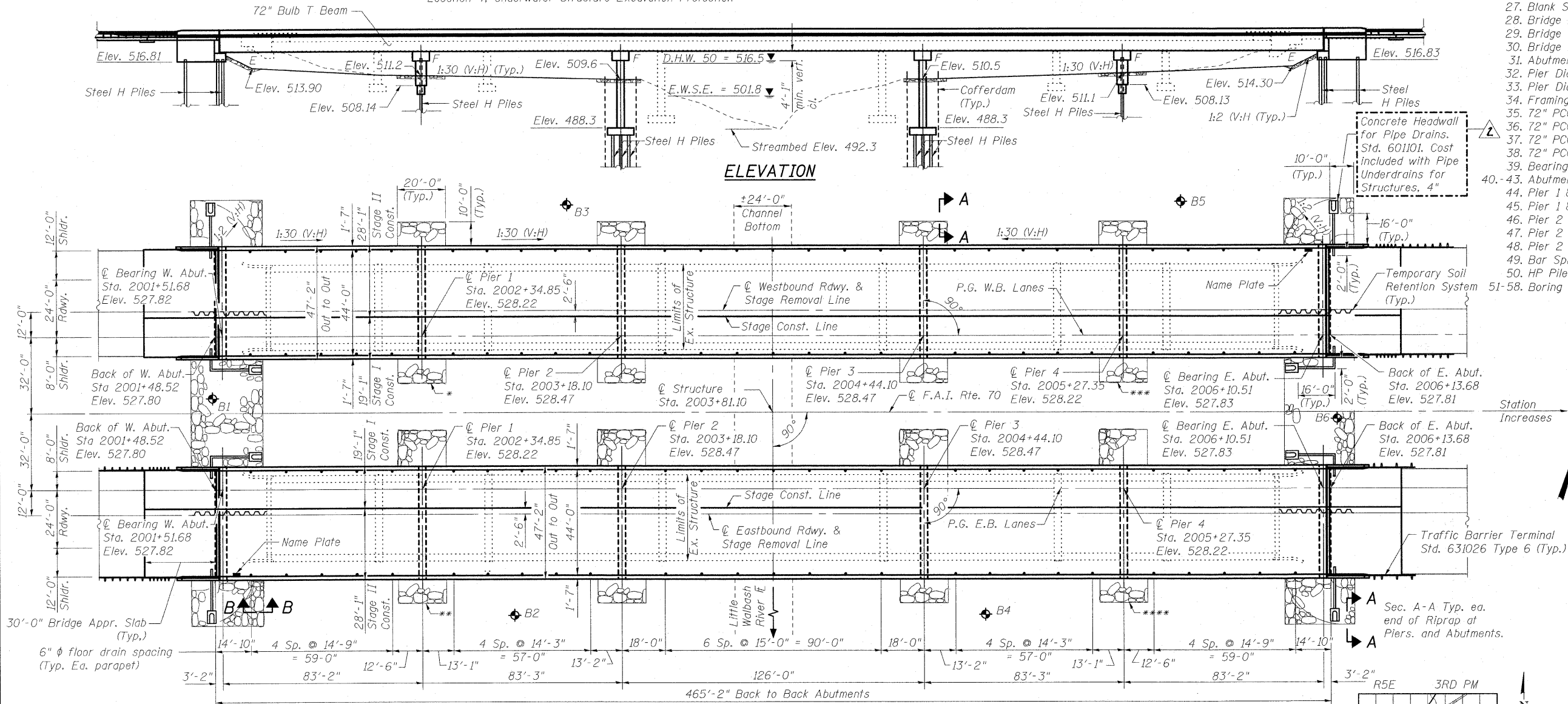
Existing Structures: S.N. 025-0009 (E.B.) and 025-0010 (W.B.) were built as F.A.I. Route 70, Section 25-3B in 1959. They are seven span dual structures 422'-3" back to back abutments, consisting of 3 units: 2 two span continuous units (45'-0", 45'-7 1/2") at each end and a three span continuous unit (72'-7 1/2", 92'-2", 72'-7 1/2") in the center. The out to out of deck is 35'-8" and is supported on six steel wide flange beams. The substructure consists of pile bent abutments and hammerhead piers. All substructure units are supported by concrete piles. Existing structures are to be removed and replaced with new structures. One lane of traffic to be maintained on each structure by utilizing Stage Construction.

No Salvage.

For Sections A-A & B-B see sheet 2 of 58.

- * Location 1, Underwater Structure Excavation Protection
- ** Location 2, Underwater Structure Excavation Protection
- *** Location 3, Underwater Structure Excavation Protection
- **** Location 4, Underwater Structure Excavation Protection

1. General Plan & Elevation
2. General Data
3. Stage Construction & Temporary Soil Retention System
4. Cofferdam Details
5. Footing Layout
6. Temporary Concrete Barrier for Stage Construction
- 7-18. Top of Slab Elevations
- 19-20. Approach Pavement Top of Slab Elevations (W.B.)
- 21-22. Approach Pavement Top of Slab Elevations (E.B.)
23. Superstructure (W.B.)
24. Superstructure (E.B.)
25. Superstructure Detail
26. Preformed Joint Strip Seal
27. Blank Sheet
28. Bridge Approach Slab (W.B.)
29. Bridge Approach Slab (E.B.)
30. Bridge Approach Slab Details
31. Abutment Diaphragm Details
32. Pier Diaphragm Details (W.B.)
33. Pier Diaphragm Details (E.B.)
34. Framing Plan
35. 72" PCC Bulb T-Beam Spans 1 & 5
36. 72" PCC Bulb T-Beam Spans 2 & 4
37. 72" PCC Bulb T-Beam Span 3
38. 72" PCC Bulb T-Beam Details
39. Bearing Details
- 40-43. Abutment Details
44. Pier 1 & 4 (W.B.)
45. Pier 1 & 4 (E.B.)
46. Pier 2 & 3 (W.B.)
47. Pier 2 & 3 (E.B.)
48. Pier 2 & 3 Footing Plan
49. Bar Splicer Assembly Details
50. HP Pile Details
- 51-58. Boring Logs



STATION 2003+81.10
BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RT. 70 SEC. (25-3)B
LOADING HL-93
STRUCTURE NO. 025-0107

STATION 2003+81.10
BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RT. 70 SEC. (25-3)B
LOADING HL-93
STRUCTURE NO. 025-0108

NAME PLATE
See Std. 515001

DESIGN SCOUR ELEVATION TABLE

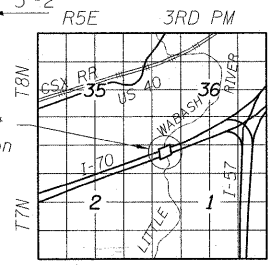
Design Scour Elevation (ft.)	W. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	E. Abut.
	516.60	504.3	488.3	488.3	505.3	516.62

PLAN

WATERWAY INFORMATION

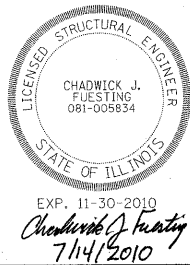
Exist. Low Grade Elev. 526.2 ft. @ Sta. 2003+81.10
Pr. Low Grade Elev. 527.22 ft. @ Sta. 2008+31.10

Flood	Freq. Yr.	Q	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	12218	3182	3414	515.1	0.7	0.7	515.8	515.8
Base	50	18252	3956	4279	516.5	1.3	1.3	517.8	517.8
Max. Calc.	100	21009	4217	4630	517.0	1.6	1.5	518.6	518.5
	500	27899	4895	5259	518.1	2.2	2.0	520.3	520.1



GENERAL PLAN
I-70 OVER LITTLE WABASH RIVER
F.A.I. ROUTE 70 - SECTION (25-3)B
STATION 2003+81.10
STRUCTURE NO. 025-0107 (E.B.)
STRUCTURE NO. 025-0108 (W.B.)

DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.



APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Paul E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

Illinois Design Firm Number 184.001670



**BERNARDIN
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Fax: 618-288-4666

SHEET NO. 1	F.A.I. RTE. 70	SECTION (25-3)B	COUNTY EFFINGHAM	TOTAL SHEETS 1416	SHEET NO. 33
58 SHEETS	SN 025-0107 & 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUBSTRUCTURE		TOTAL
			ABUT.	PIER	
Porous Granular Embankment (Special)	Cu. Yd.		460		460
Stone Riprap, Class A4	Sq. Yd.		1051	1088	2139
Filter Fabric	Sq. Yd.		1051	1088	2139
Protective Coat	Sq. Yd.	6091			6091
Removal of Existing Structures	Each	2			2
Structure Excavation	Cu. Yd.		1289	152	1441
Cofferdam Excavation	Cu. Yd.			1244	1244
Cofferdams, Location 1	Each			1	1
Cofferdams, Location 2	Each			1	1
Cofferdams, Location 3	Each			1	1
Cofferdams, Location 4	Each			1	1
Floor Drains	Each	108			108
Concrete Structures	Cu. Yd.		368.0	7354.6	7722.6
Concrete Superstructure	Cu. Yd.	1944.7			1944.7
Bridge Deck Grooving	Sq. Yd.	4861			4861
Seal Coat Concrete	Cu. Yd.			710	710
Concrete Encasement	Cu. Yd.		32.8	38.0	70.8
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 72"	Foot	6387			6387
Reinforcement Bars, Epoxy Coated	Pound	445060	32680	203860	681600
Bar Splicers	Each	3158	284	456	3898
Furnishing Steel HP 14x73	Foot	3948	13396	17344	17344
Driving Piles	Foot	3948	13396	17344	17344
Test Piles, Steel HP 14x73	Each		4	8	12
Name Plates	Each	2			2
Preformed Joint Strip Seal	Each	184			184
Elastomeric Bearing Assembly, Type II	Each	28			28
Anchor Bolts, 5/8"	Each		56		56
Anchor Bolts, 1/4"	Each			32	32
Concrete Sealer	Sq. Ft.		2727		2727
Geocomposite Wall Drain	Sq. Yd.		185		185
Pipe Underdrains for Structures, 4"	Foot		325		325
Mechanical Splicer	Each		12	1536	1548
Underwater Structure Excavation Protection, Location 1	Each			1	1
Underwater Structure Excavation Protection, Location 2	Each			1	1
Underwater Structure Excavation Protection, Location 3	Each			1	1
Underwater Structure Excavation Protection, Location 4	Each			1	1
Diamond Grinding (Bridge Section)	Sq. Yd.		4630		4630
Temporary Soil Retention System	Sq. Ft.		1638		1638

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Reinforcement bars designated (E) shall be epoxy coated.
 Concrete Sealer shall be applied to the designated areas of the Substructure.
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
 Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
 Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
 Slip forming of the concrete parapet is not allowed.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
 f'ci = 5,000 psi
 fpu = 270,000 psi (low lax. 1/2" dia. strands)
 fpbt = 201,960 psi (low lax. 1/2" dia. strands)

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications
 4th Edition with 2008 Interims

LOADING HL-93

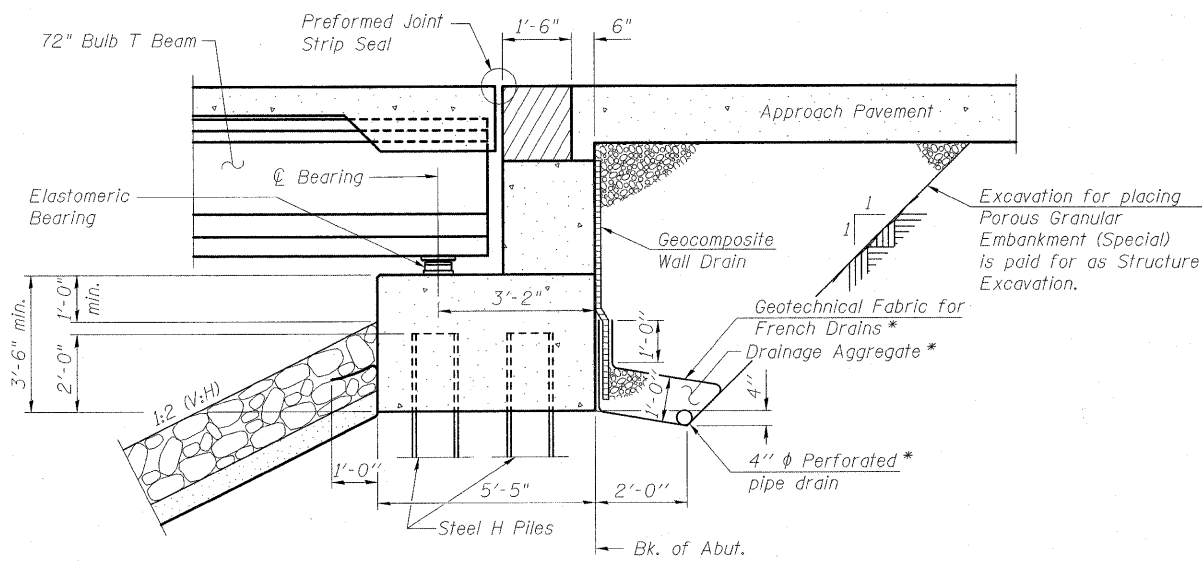
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.22 g
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.48 g
 Soil Site Class = D

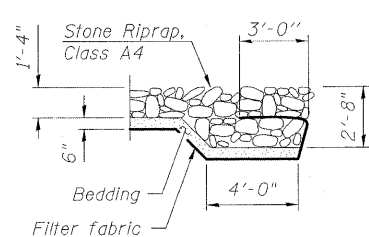
GENERAL DATA

S.N. 025-0107 & 025-0108

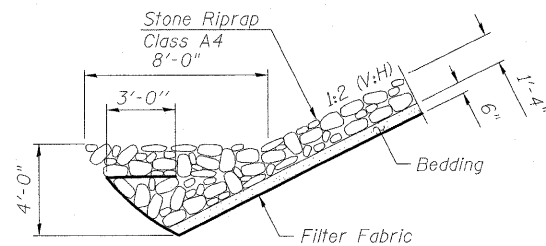


SECTION THRU PILE SUPPORTED
STUB ABUTMENT

* Included in the cost of Pipe Underdrain for Structures, 4"
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

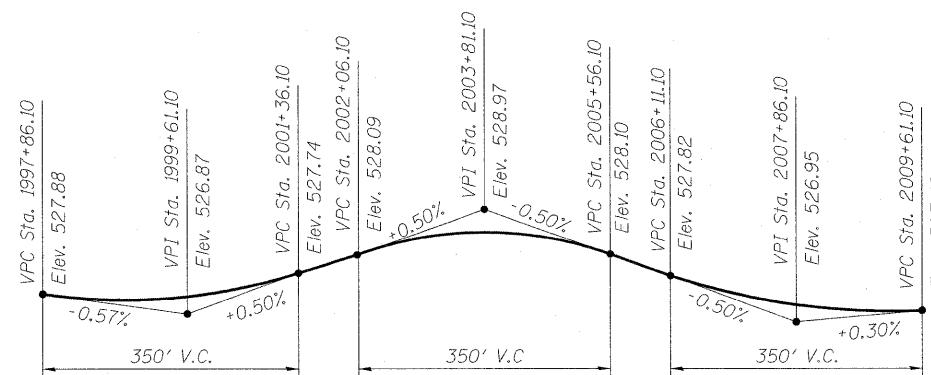


SECTION A-A



SECTION B-B

For Underwater Structure Excavation Protection Locations 1, 2, 3 & 4 see Elevation View on sheet 1 of 58.
 For Cofferdams, Locations 1, 2, 3 & 4 see Plan View on sheet 4 of 58.



PROFILE GRADE

(E.B. & W.B. F.A.I. Rte. 70)



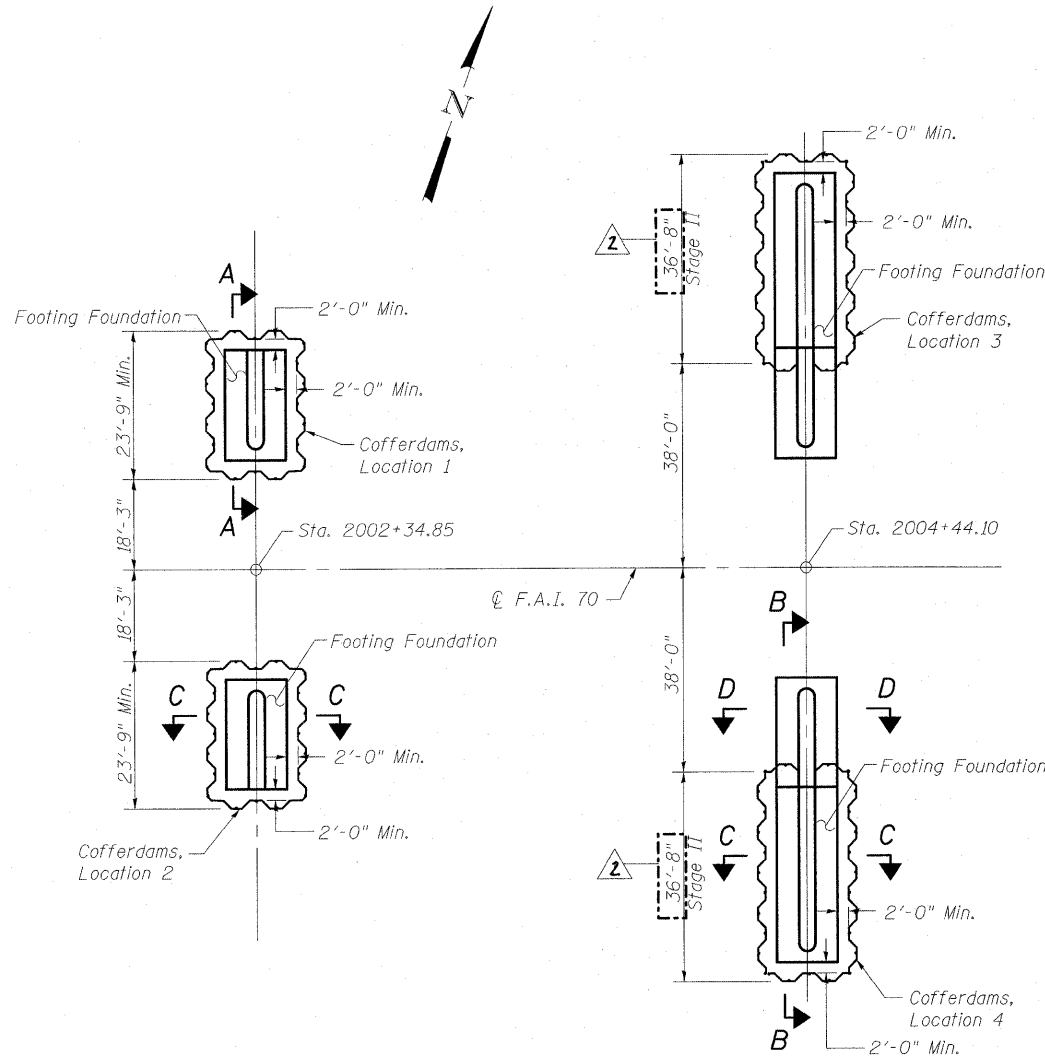
BERNARDIN
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 Fax: 618-358-4666

DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.

SHEET NO. 2 58 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	(25-3)B	EFFINGHAM	1416	34
SN 025-0107 & 025-0108		CONTRACT NO. 74296			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

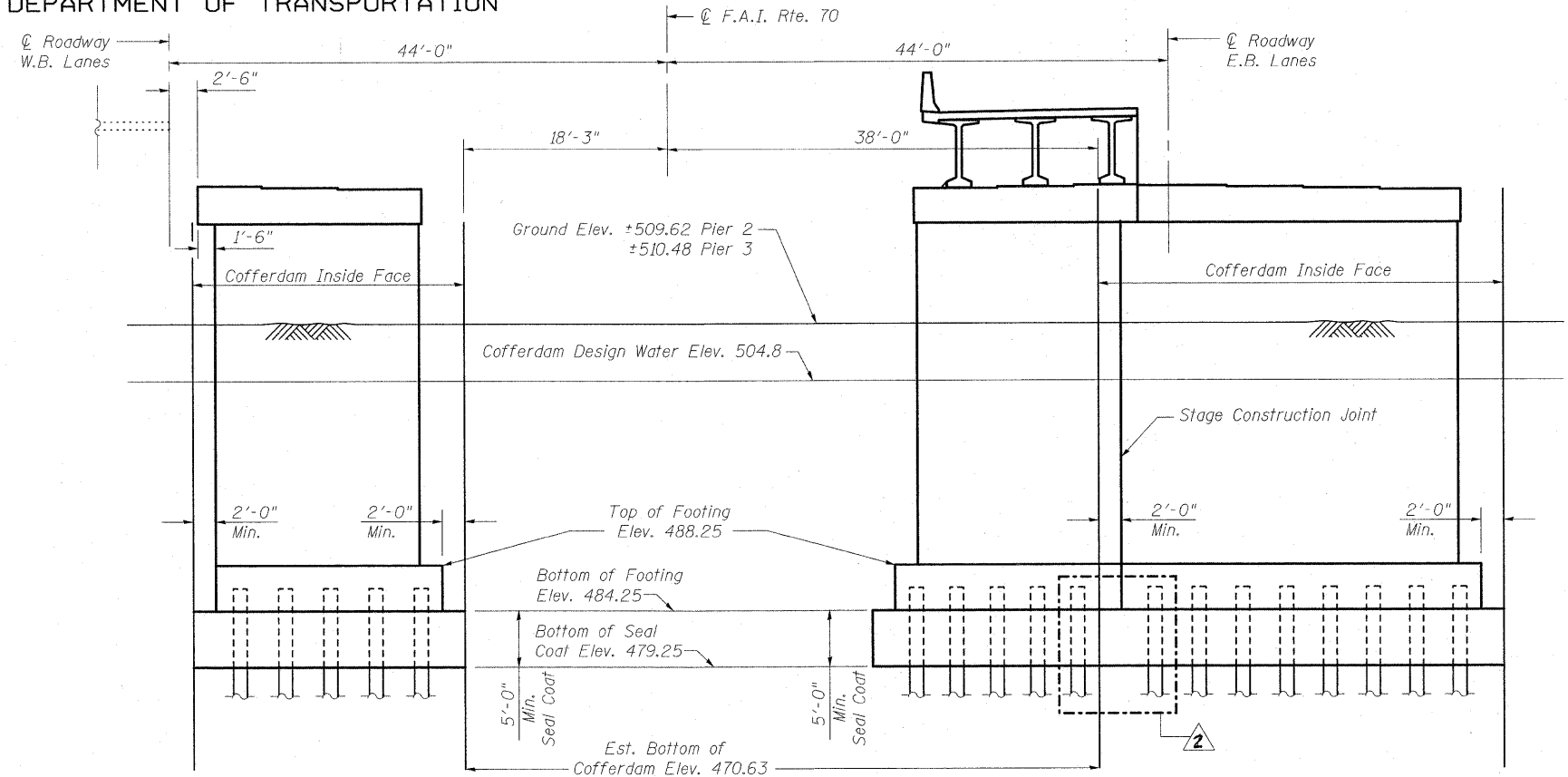


**STAGE I COFFERDAM
PLAN PIER 2**
(Pier 3 Similar)

**STAGE II COFFERDAM
PLAN PIER 3**
(Pier 2 Similar)

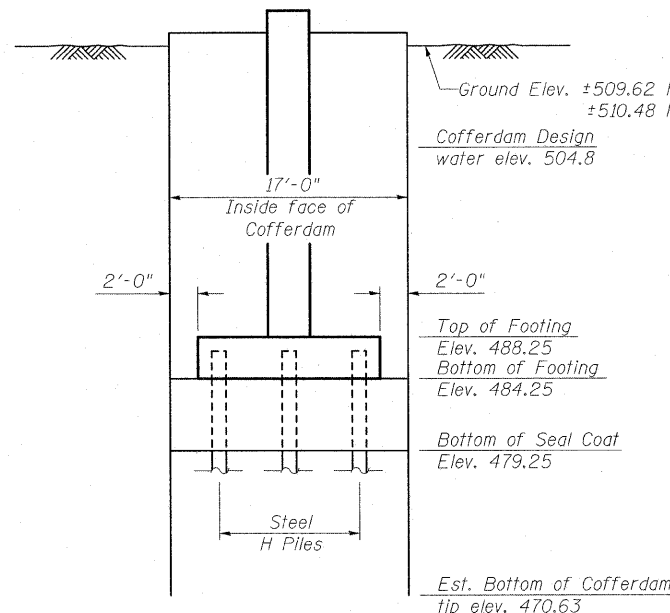
PLAN

For Footing Size, Number & Pile Spacing see sheet 48 of 58.
Each Cofferdam Location represents both Stage I & Stage II Cofferdams.

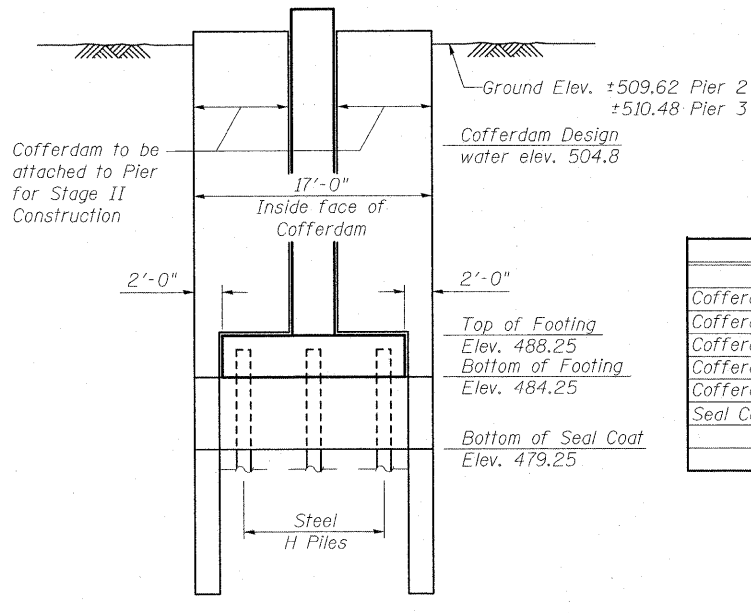


SECTION A-A
Showing Stage I Construction
(Looking East)

SECTION B-B
Showing Stage II Construction
(Looking East)



SECTION C-C



SECTION D-D

**BILL OF MATERIAL
FOR FOUR LOCATIONS**

ITEM	UNIT	TOTAL
Cofferdam Excavation	Cu. Yd.	4244
Cofferdams, Location 1	Each	1
Cofferdams, Location 2	Each	1
Cofferdams, Location 3	Each	1
Cofferdams, Location 4	Each	1
Seal Coat Concrete	Cu. Yd.	710

**COFFERDAM DETAILS
S.N. 025-0107 & 025-0108**

DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.

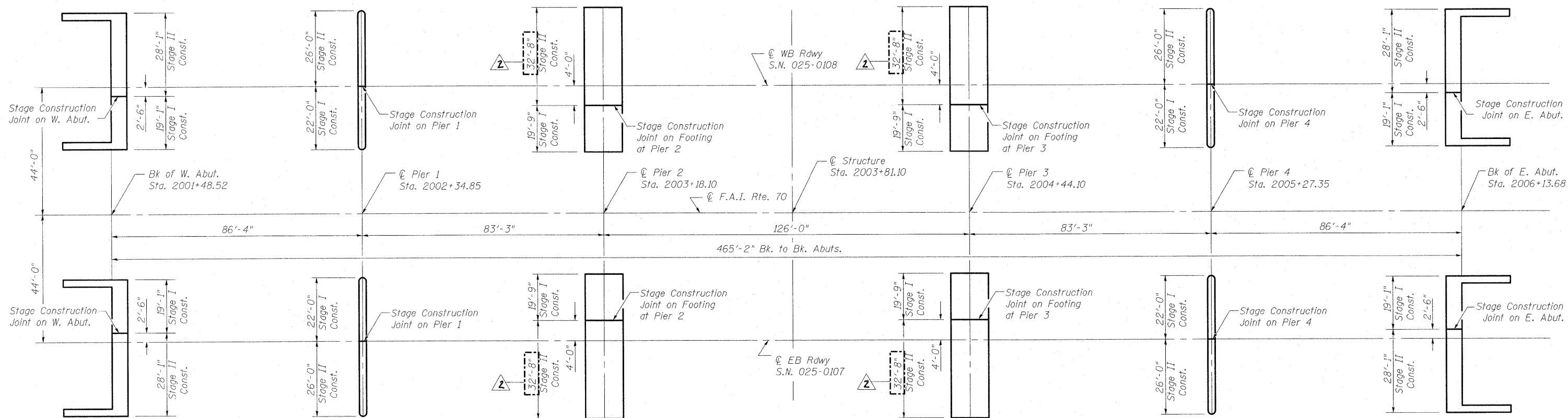


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SHEET NO. 4 58 SHEETS	F.A.I. RTE. 70	SECTION (25-3)B	COUNTY EFFINGHAM	TOTAL SHEETS 1416	SHEET NO. 36
	SN 025-0107 & 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FOOTING LAYOUT

For Substructure Details, see sheets 40 thru 48 of 58.

DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.

FOOTING LAYOUT
S.N. 025-0107 & 025-0108



**BERNARDIN
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Maryville, IL 62452-5655
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SHEET NO. 5	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	(25-3)B	EFFINGHAM	1416	37
58 SHEETS	SN 025-0107 & 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:

Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles, see sheet 50 of 58.
Clear cover noted to mechanical splicer, where applicable.
See sheet 47 of 58 for Bar Details.
See sheet 48 of 58 for Footing Plan
For Anchor Bolt and Side Retainer details see sheet 32 of 58.
For details $v_1(E)$ bars see sheet 32 of 58.
See sheet 49 of 58 for Bar Splicer and Mechanical Splicer details.

PILE DATA

Type: HP 14x73
Nominal Required Bearing: 578k
Factored Resistance Available: 289k
Est. Length: 70'-0" Pier 2
51'-0" Pier 3
No. Production Piles: 38 per Pier
No. Test Piles: 1 per Pier
Top of Pile Elevation = 486.26

ELEVATION DATA

Elev.	Pier 2	Pier 3
A	521.42	521.42
B	521.57	521.55
C	521.71	521.68
D	521.81	521.76
E	521.74	521.76
F	521.66	521.65
G	521.50	521.51

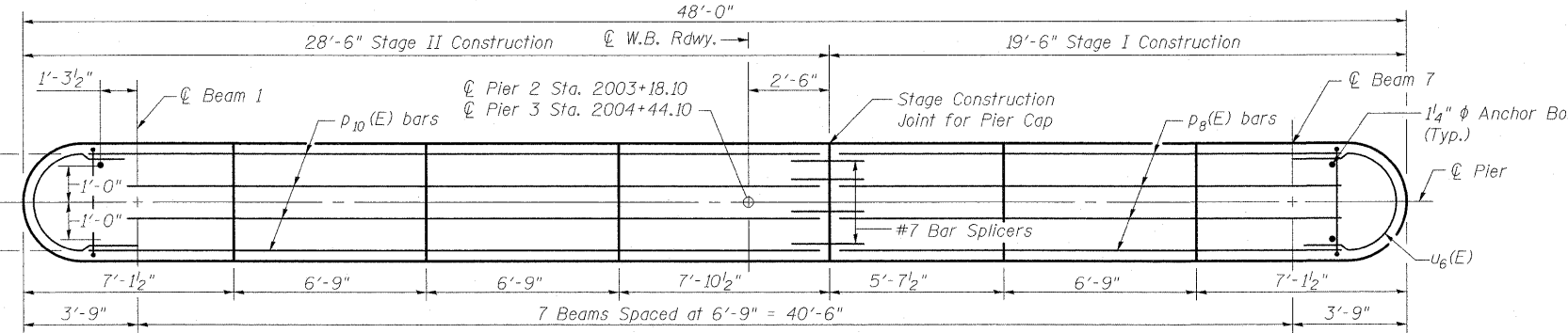
STEP HEIGHTS

Elev.	Pier 2	Pier 3
A to B	+1 $\frac{3}{4}$ "	+1 $\frac{1}{2}$ "
B to C	+1 $\frac{3}{4}$ "	+1 $\frac{5}{8}$ "
C to D	+1 $\frac{1}{8}$ "	+1"
D to E	- $\frac{3}{2}$ "	0"
E to F	-1"	-1 $\frac{3}{8}$ "
F to G	-1 $\frac{1}{8}$ "	-1 $\frac{5}{8}$ "

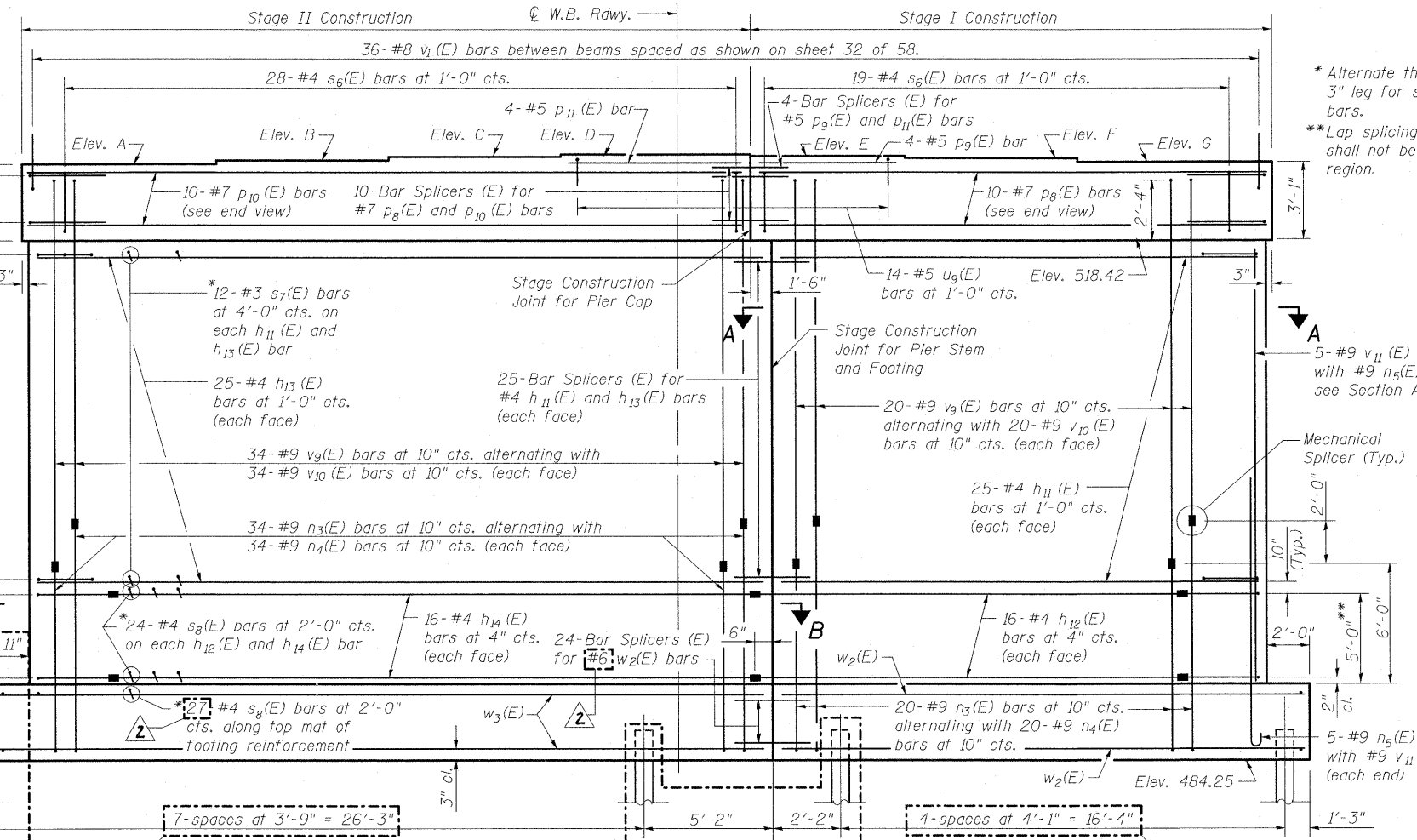
BILL OF MATERIAL FOR FOUR PIERS

Bar	No.	Size	Length	Shape
$h_{11}(E)$	200	#4	16'-0"	—
$h_{12}(E)$	128	#4	16'-3"	—
$h_{13}(E)$	200	#4	28'-0"	—
$h_{14}(E)$	128	#4	27'-3"	—
$n_3(E)$	432	#9	11'-0"	U
$n_4(E)$	432	#9	13'-0"	U
$n_5(E)$	40	#9	11'-7"	U
$p_8(E)$	40	#7	17'-6"	—
$p_9(E)$	16	#5	5'-4"	—
$p_{10}(E)$	40	#7	26'-6"	—
$p_{11}(E)$	16	#5	7'-7"	—
$s_6(E)$	188	#4	12'-5"	□
$s_7(E)$	1200	#3	3'-4"	—
$s_8(E)$	1644	#4	3'-4"	—
$u_6(E)$	24	#4	7'-8"	U
$u_7(E)$	200	#4	10'-7"	U
$u_8(E)$	128	#4	5'-3"	U
$u_9(E)$	56	#5	5'-2"	U
$v_1(E)$	144	#8	4'-2"	U
$v_9(E)$	432	#9	27'-9"	U
$v_{10}(E)$	432	#9	25'-9"	U
$v_{11}(E)$	40	#9	29'-11"	U
$w_2(E)$	96	#6	19'-3"	—
$w_3(E)$	96	#6	32'-2"	—
Concrete Structures		Cu. Yd.	1110.8	
Reinforcement Bars, Epoxy Coated		Pound	77895	
Furnishing Steel Piles, HP 14x73		Foot	9196	
Driving Piles		Foot	9196	
Test Piles, Steel HP 14x73		Each	4	
Bar Splicers		Each	352	
Anchor Bolts, 1 $\frac{1}{4}$ "		Each	16	
Mechanical Splicers		Each	1248	

PIER 2 & 3 (W.B.)
STRUCTURE NO. 025-0108

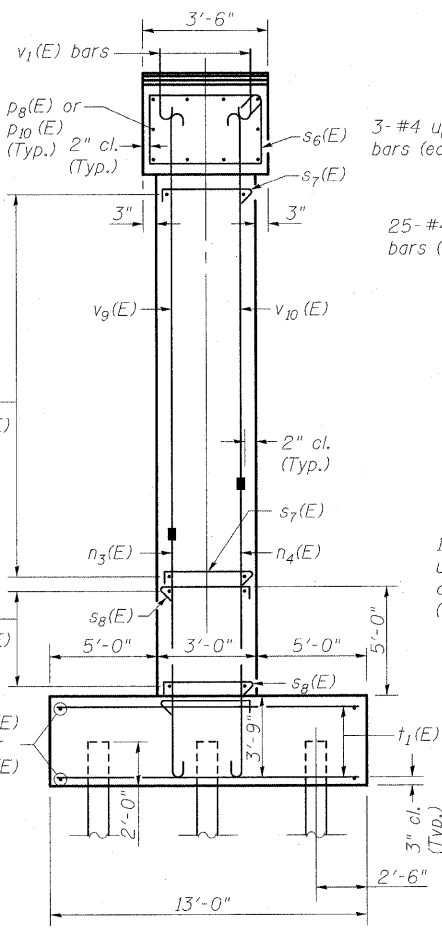


TOP PLAN

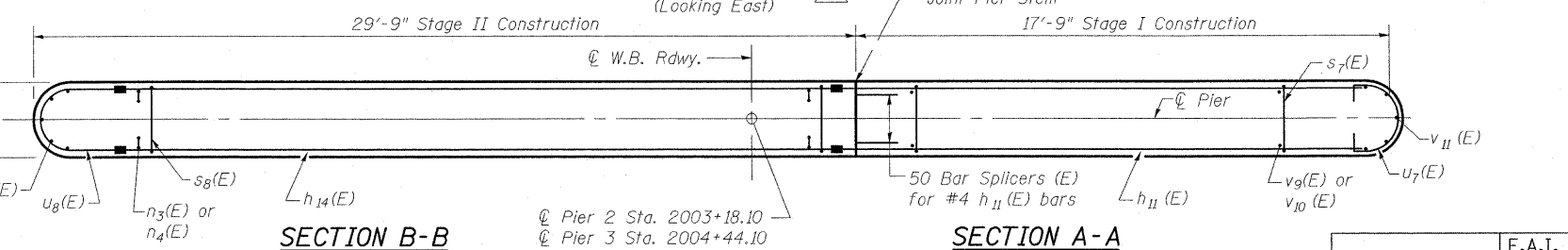


ELEVATION (Looking East)

* Alternate the placement of 3" leg for $s_7(E)$ and $s_8(E)$ bars.
** Lap splicing of reinforcement shall not be allowed in this region.



END VIEW



SECTION B-B

SECTION A-A

DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.



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ASSOCIATES, INC.

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Fax 618-288-4666

SHEET NO. 46
58 SHEETS

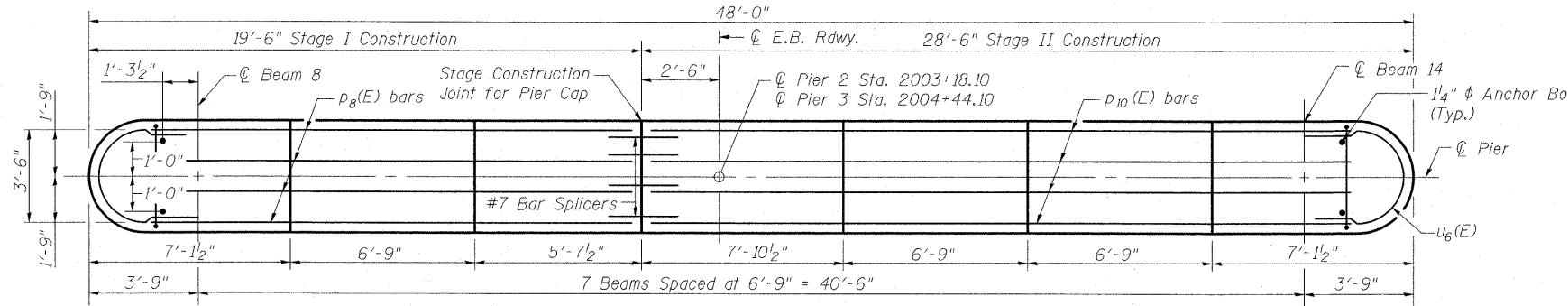
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-3)B	EFFINGHAM	1416	78
SN 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

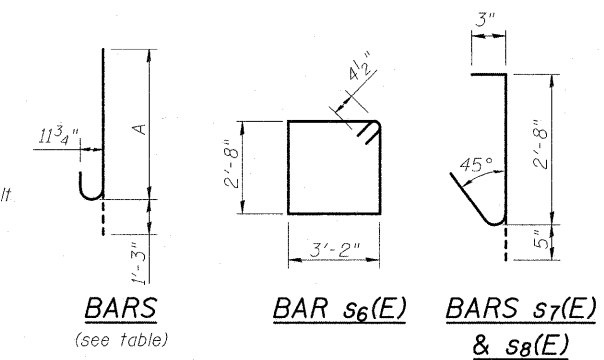
Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles, see sheet 50 of 58.
Clear cover noted to mechanical splicer, where applicable.
See sheet 46 of 58 for Bill of Materials.
See sheet 48 of 58 for Footing Plan
For Anchor Bolt and Side Retainer details see sheet 32 of 58.
For details v₁(E) bars see sheet 32 of 58.
See sheet 49 of 58 for Bar Splicer and Mechanical Splicer details.

PILE DATA

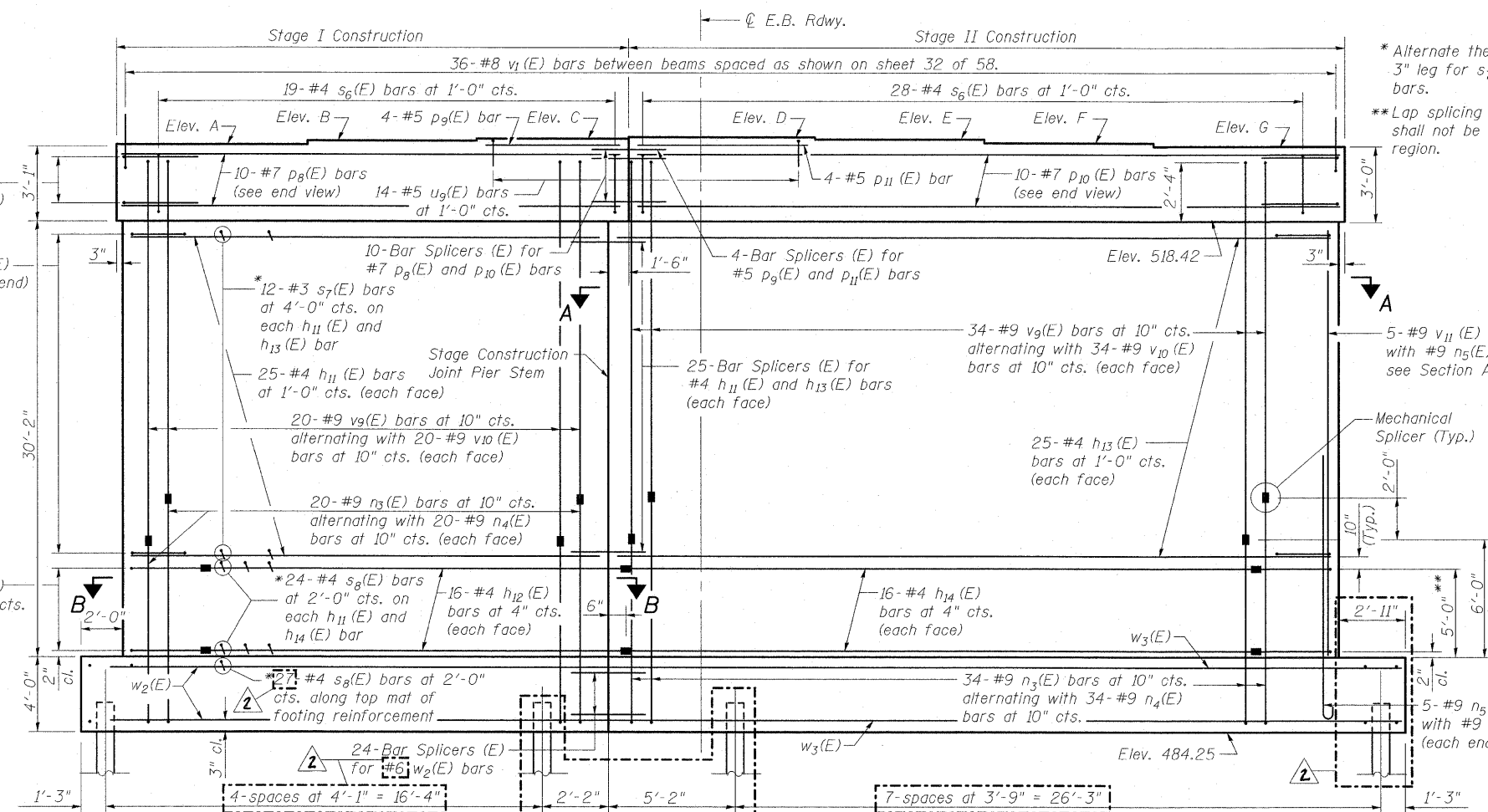
Type: HP 14x73
Nominal Required Bearing: 578k
Factored Resistance Available: 289k
Est. Length: 70'-0" Pier 2
51'-0" Pier 3
No. Production Piles: 38 per Pier
No. Test Piles: 1 per Pier
Top of Pile Elevation = 486.34



TOP PLAN

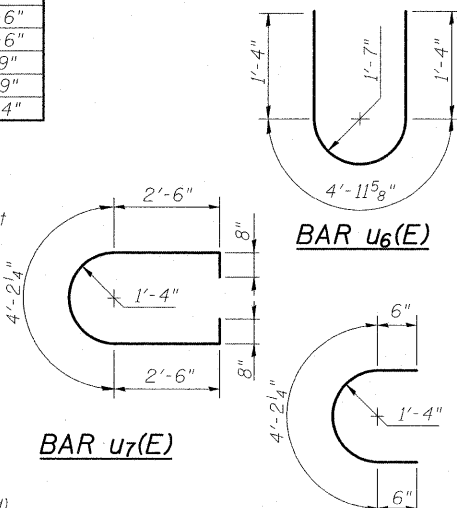


Bar	Dim. A
v ₉ (E)	26'-6"
v ₁₀ (E)	24'-6"
n ₃ (E)	9'-9"
n ₄ (E)	11'-9"
n ₅ (E)	10'-4"



ELEVATION (Looking East)

* Alternate the placement of 3" leg for s₇(E) and s₈(E) bars.
** Lap splicing of reinforcement shall not be allowed in this region.

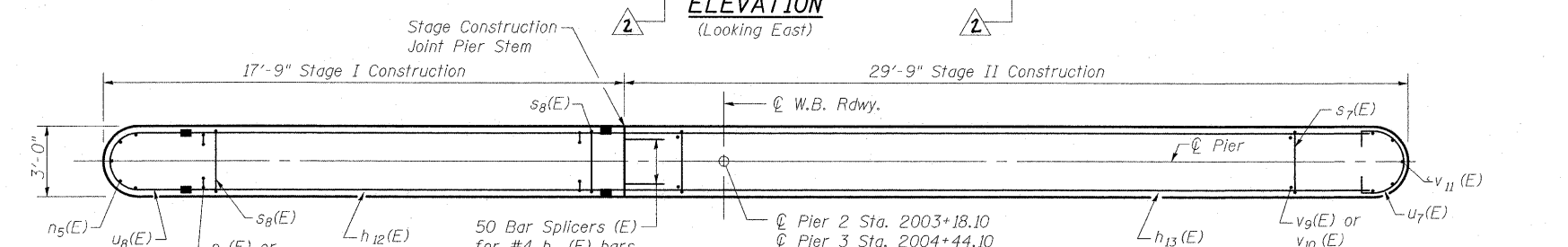
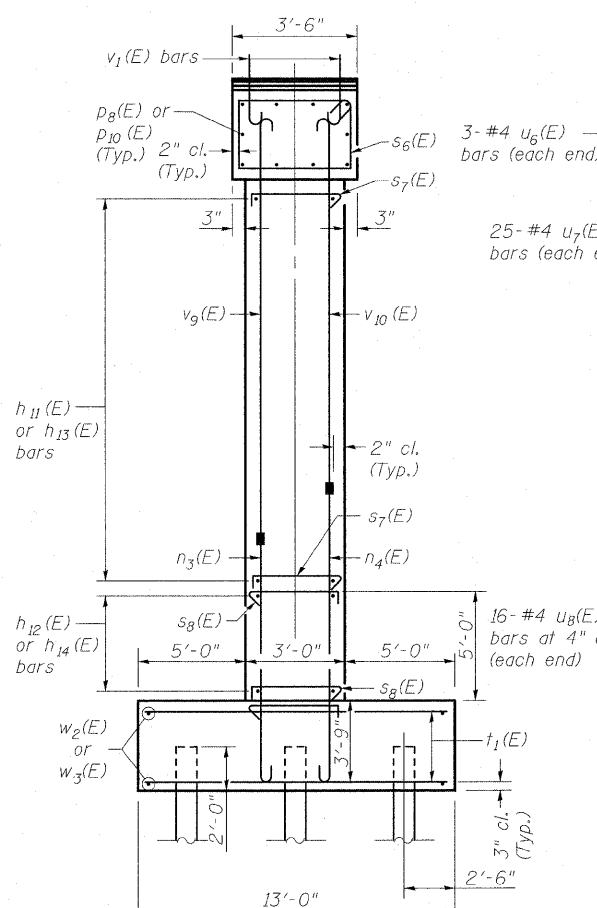


ELEVATION DATA

Elev.	Pier 2	Pier 3
A	521.50	521.51
B	521.66	521.65
C	521.74	521.76
D	521.80	521.76
E	521.71	521.68
F	521.56	521.54
G	521.42	521.42

STEP HEIGHTS

Elev.	Pier 2	Pier 3
A to B	+1' ⁷ / ₈ "	+1' ⁵ / ₈ "
B to C	+1"	+1' ³ / ₈ "
C to D	+3' ⁴ / ₈ "	0"
D to E	-1' ⁶ / ₈ "	-1"
E to F	-1' ³ / ₄ "	-1' ⁵ / ₈ "
F to G	-1' ³ / ₄ "	-1' ¹ / ₂ "



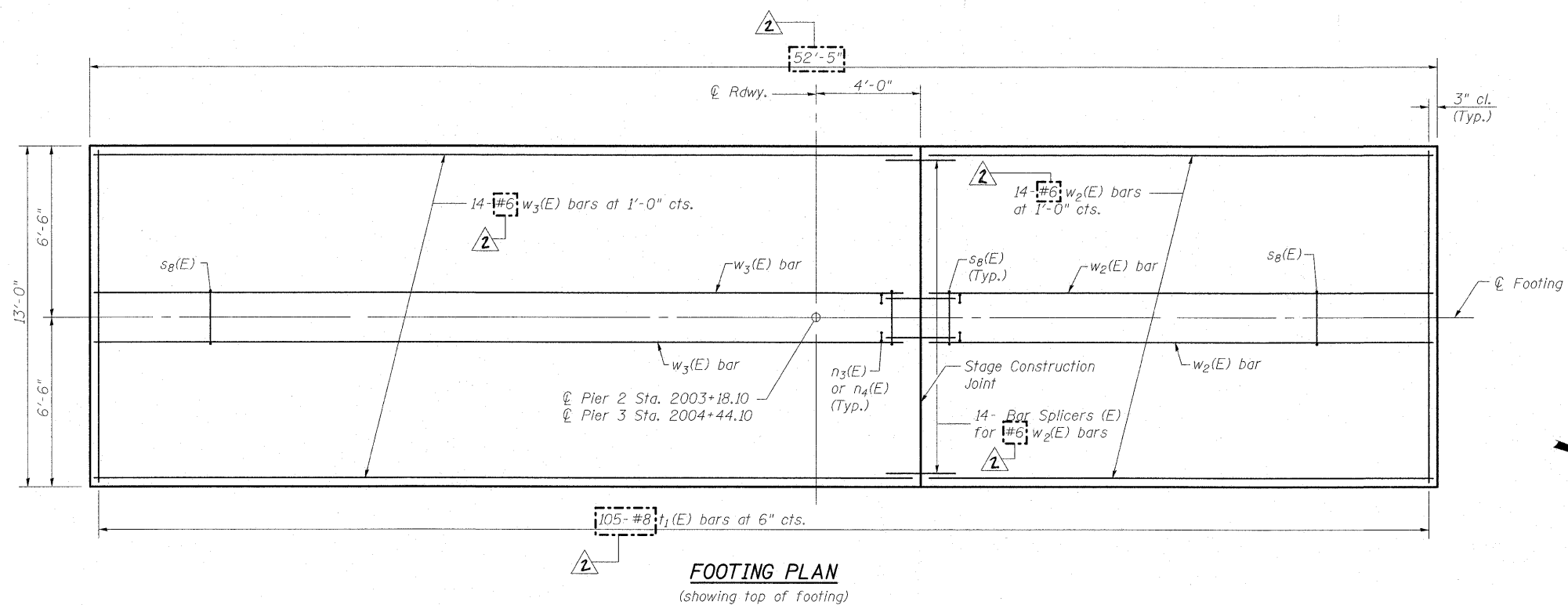
**PIER 2 & 3 (E.B.)
STRUCTURE NO. 025-0107**

DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.

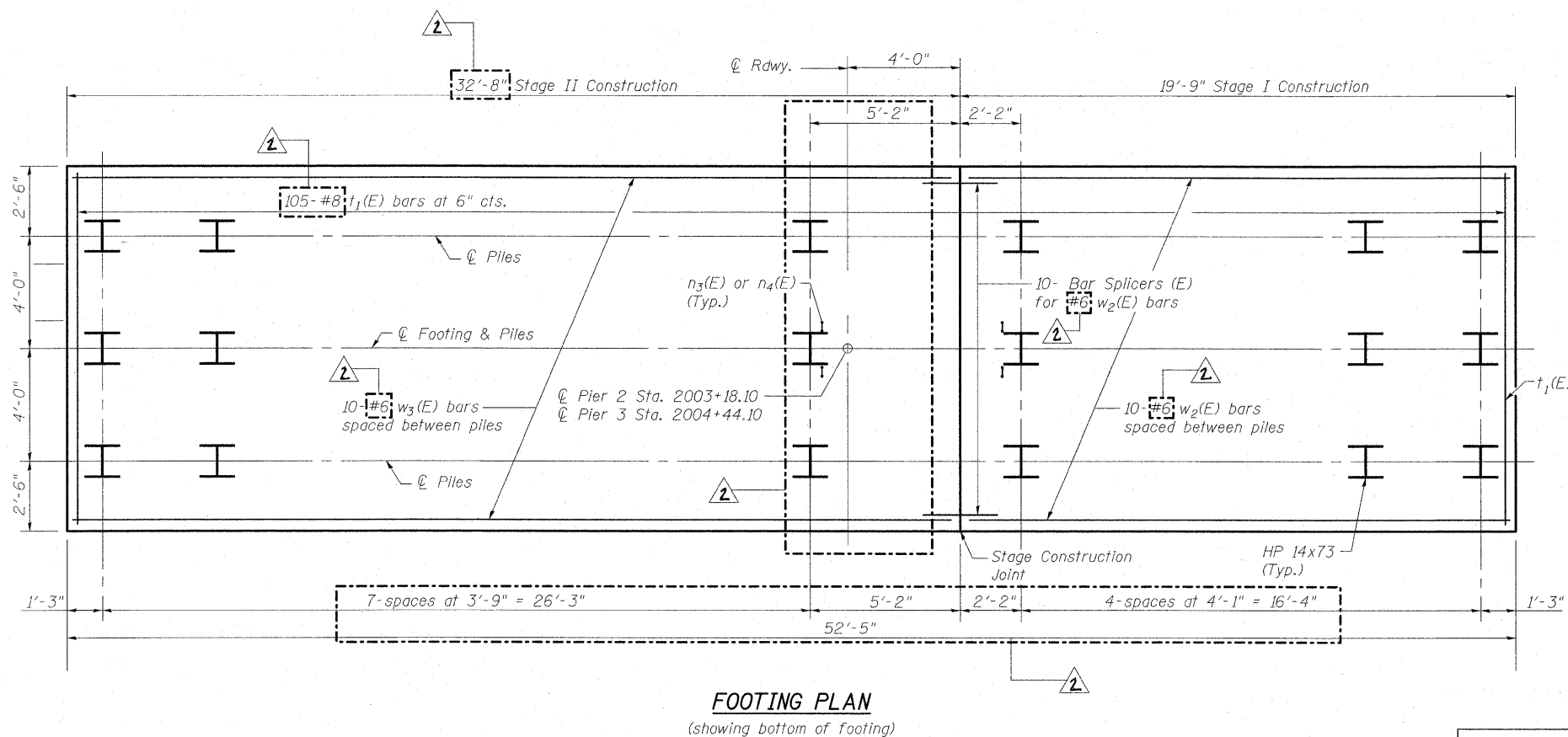
BERNARDIN LOCHMUELLER & ASSOCIATES, INC.
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SHEET NO. 47	F.A.I. RTE. 70	SECTION (25-3)B	COUNTY EFFINGHAM	TOTAL SHEETS 1416	SHEET NO. 79
58 SHEETS	SN 025-0107		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Notes:
For details of piles, see sheet 50 of 58.
Clear cover noted to Mechanical Splice, where applicable.
See sheet 46 of 58 for Bill of Material.
See sheets 46 and 47 of 58 for additional information.
Cut bottom footing bars to fit between piles.



DESIGNED	B.B.
CHECKED	A.C.S.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.



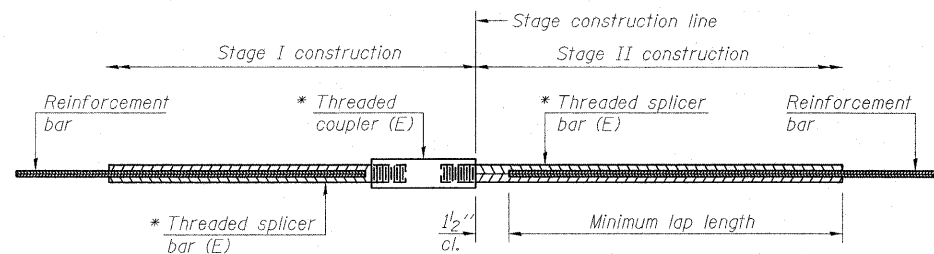
**BERNARDIN
LOCHMUELLER &
ASSOCIATES, INC.**

3 Oak Drive
Maryville, IL 62062-5635
Local (618) 298-4665
Fax 618-298-4666

SHEET NO. 48 58 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	(25-3)B	EFFINGHAM	1416	80
SN 025-0107 & 025-0108			CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

**PIER 2 & 3
FOOTING PLAN
S.N. 025-0107 & 025-0108**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STANDARD BAR SPLICER ASSEMBLY

Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

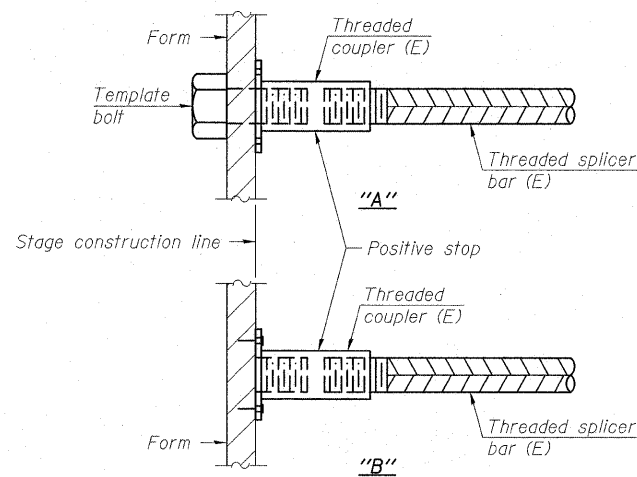
Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

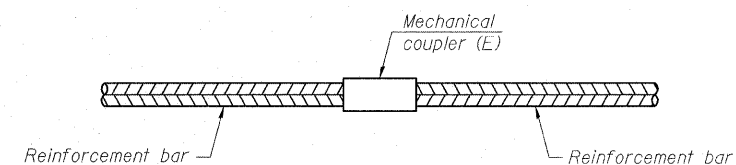
Location	Bar size	No. assemblies required	Table for minimum lap length
Bridge Deck	#5	2690	3
Approach Slab	#4	100	3
Approach Slab	#5	344	3
Abutment Diaphragm	#5	4	3
Abutments	#5	56	3
Abutments Hatch Block	#6	20	3
Abutments	#7	48	3
Piers 1 & 4	#4	64	3
Piers 1 & 4	#5	12	3
Piers 1 & 4	#7	28	3
Piers 2 & 3	#4	200	3
Piers 2 & 3	#5	16	3
Piers 2 & 3	#7	40	3
Piers 2 & 3 Footing	#6	40	3
Piers 2 & 3 Footing	#6	56	4

2



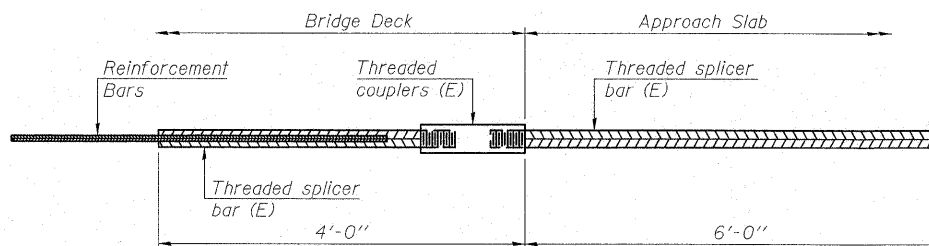
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E): Indicates epoxy coating.



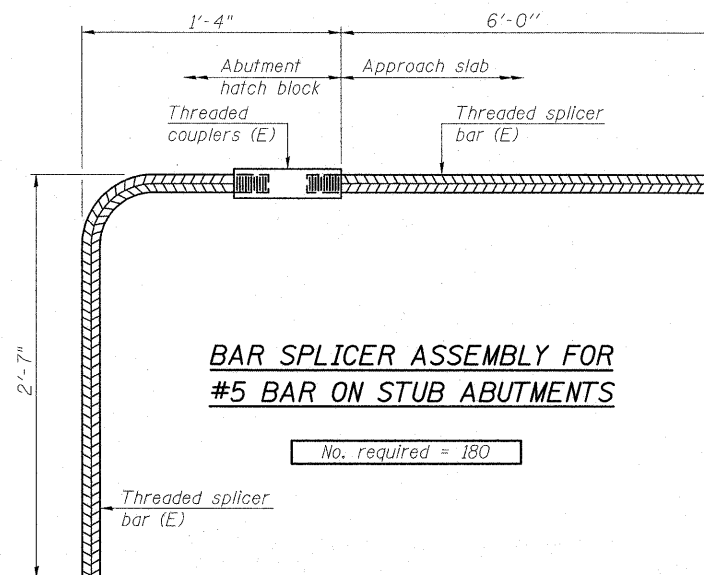
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Abutment Diaphragm	#6	12
Pier Diaphragm	#6	16
Pier Diaphragm	#4	80
Piers 1 & 4	#4	192
Piers 2 & 3	#4	384
Piers 2 & 3	#9	864



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 180

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S.N. 025-0107 & 025-0108

DESIGNED	
CHECKED	
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.

BSD-1

11-1-09



BERNARDIN LOCHMUELLER & ASSOCIATES, INC.

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Fax 618-288-4666

SHEET NO. 49	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	(25-3)B	EFFINGHAM	1416	81
58 SHEETS	SN 025-0107 & 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					

GENERAL NOTES

1. THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007; THE SUPPLEMENTAL SPECIFICATIONS AND THE RECURRING SPECIAL PROVISIONS, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
2. THE PROPOSED PROJECT IS LOCATED ON FAI-57/70 IN EFFINGHAM COUNTY.
3. THE WORK INCLUDED IN SECTION (25-3)R CONSISTS OF 1.7 MILES OF PAVEMENT RECONSTRUCTION AND RESURFACING OPERATIONS TO FACILITATE THE INTERSTATE RECONSTRUCTION AND RESURFACING ON FAI ROUTES 57/70. THIS WORK INCLUDES THE EXTENSION OF THE SUBWAY TUNNEL STRUCTURES CARRYING THE MAINLINE ROADWAYS OVER TOWNSHIP ROAD 1354.
4. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
5. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
6. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CALLING J.U.L.I.E. AND FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS.
 - AMEREN / CIPS GAS / ELECTRIC
 - ILLINOIS CONSOLIDATED TELEPHONE
 - CITY OF EFFINGHAM WATER / SEWER

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY •
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)
8. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED INSIDE THE CONSTRUCTION LIMITS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE.
9. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. ANY SEEDING REQUIRED OUTSIDE THE CONSTRUCTION LIMITS OR RIGHT OF WAY FOR THIS CONTRACT SECTION WILL NOT BE PAID FOR SEPARATELY AND CONSIDERED AS A CONTRACTOR'S EXPENSE.
10. MULCH SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH, UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2, PROCEDURE 1 AS SPECIFIED IN ARTICLE 251.03.
11. IN ADDITION TO SURVEYS, SOME OF THE PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING CONDITIONS HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
12. THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS TO THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
13. ANY EXCAVATION ADJACENT TO EDGE OF PAVEMENTS SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
14. FULL DEPTH SAW CUTTING AT THE EDGE OF PAVEMENT WILL BE REQUIRED IN ORDER TO REMOVE EXISTING PAVEMENTS, SHOULDERS, CONCRETE CURB AND GUTTER, OR DRIVEWAY PAVEMENTS. THIS SAW CUTTING WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED AS INCLUDED IN THE COST OF THE RESPECTIVE REMOVAL ITEMS.
15. ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION, SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF SUCH FACILITIES IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
16. THE REMOVAL OF MISCELLANEOUS BITUMINOUS SURFACES PLACED ON SHOULDERS OR OTHER AREAS FOR MAINTENANCE OPERATIONS WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED FOR PAYMENT AS EARTH EXCAVATION.
17. ALL CONFLICTING GROUND MOUNTED SIGNS AND SIGN SUPPORTS ARE TO BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTIONS 724 OF THE STANDARD SPECIFICATIONS EXCEPT THAT IT WILL NOT BE MEASURED FOR PAYMENT BUT CONSIDERED AS INCLUDED IN THE VARIOUS ITEMS OF WORK. SIGNS SHALL BE STORED AS DIRECTED BY THE ENGINEER AND CAREFULLY PROTECTED BY THE CONTRACTOR.
18. THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.
19. ALL WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.
20. ON ROADWAY OR RAMPS CARRYING STAGE CONSTRUCTION TRAFFIC, SHOULDER RUMBLE STRIPS SHALL NOT BE INSTALLED UNTIL TRAFFIC IS NO LONGER ON SHOULDER.
21. CONNECTION OF PROPOSED STORM SEWERS AND/OR PIPE UNDERDRAINS TO DRAINAGE STRUCTURES OR CULVERTS SHALL BE DONE IN A MANNER MEETING THE APPROVAL OF THE ENGINEER AND SHALL CONFORM TO SECTION 501 OF THE STANDARD SPECIFICATIONS. THE COST OF THIS CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED AS INCLUDED IN THE COST OF THE PROPOSED STORM SEWER AND/OR PIPE UNDERDRAINS.

22. THE TREES AND SHRUBS TO BE PLANTED WILL BE DELIVERED TO THE EFFINGHAM WEST MAINTENANCE YARD LOCATED ON US ROUTE 40, WEST OF EFFINGHAM. ALL TREES AND SHRUBS WILL BE PLANTED OFFSITE BY STATE MAINTENANCE PERSONNEL. THE CONTRACTOR WILL BE REQUIRED TO DELIVER REQUESTED TREES AND SHRUBS WITHIN 30 CALENDAR DAYS OF WHEN THEY ARE REQUESTED BY THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL CONTACT PHIL NOSBISCH, THE DISTRICT 7 ROADSIDE MAINTENANCE TECHNICIAN, AT 217-342-8281 TO NOTIFY MR. NOSBISCH OF THE ANTICIPATED DELIVERY DATE OF TREES AND BUSHES. THE DISTRICT 7 ROADSIDE MAINTENANCE TECHNICIAN SHALL INSPECT ALL PLANTS AND SHRUBS WITHIN 48 HOURS AFTER THEY ARE DELIVERED TO THE EFFINGHAM WEST YARD. THE DISTRICT 7 ROADSIDE MAINTENANCE TECHNICIAN SHALL NOTIFY THE CONTRACTOR IN WRITING, WITHIN 24 HOURS AFTER COMPLETING INSPECTION OF THE TREES AND BUSHES, AS TO THE ACCEPTANCE OF THE TREES AND BUSHES. UPON RECEIVING WRITTEN ACCEPTANCE FROM THE DISTRICT 7 ROADSIDE MAINTENANCE TECHNICIAN THE CONTRACTOR IS RELIEVED OF ALL RESPONSIBILITY AND CLAIMS RELATING TO THE TREES AND BUSHES.
 23. THE CONTRACTOR SHALL EXERCISE CARE IN TREE REMOVAL OPERATIONS AND TAKE WHATEVER PRECAUTIONS NECESSARY TO REMOVE ONLY THOSE TREES NECESSARY TO THE CONSTRUCTION OF THIS PROJECT AS DIRECTED BY THE ENGINEER.
 24. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
 25. THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR ALL HOT-MIX ASPHALT RESURFACING LIFTS.
 26. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
 27. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT PRIOR WRITTEN PERMISSION FROM THE DEPARTMENT.
 28. THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HMA PLANT QUALITY CONTROL LAB SO THAT HMA PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT ITEMS.
 29. THE CONTRACTOR SHALL USE EITHER RC-70, SS1H, OR SS1HP, APPLIED AT THE RATE DIRECTED BY THE ENGINEER, FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).
 30. STATION/OFFSETS FOR PROPOSED DRAINAGE STRUCTURES IS TO THE CENTER OF THE STRUCTURE. GRATE ELEVATIONS ARE TO THE FLOW LINE OF THE PROPOSED GRATE OR LID.
 31. SOME EXISTING STORM SEWER AND DRAINAGE STRUCTURE INFORMATION USED ON THESE PLANS WERE DEVELOPED FROM OFFICE RECORDS OR OTHERWISE HISTORICAL DATA. FINAL ELEVATIONS FOR INCORPORATING EXISTING DRAINAGE FACILITIES INTO THE PROPOSED SYSTEM SHALL BE DETERMINED BY THE ENGINEER. ALL SIZES AND DIMENSIONS OF THE EXISTING FACILITIES SHALL BE VERIFIED BEFORE ORDERING NEW MATERIALS.
 32. END SECTIONS OR HEADWALLS MAY EXIST WHERE MISCELLANEOUS ENTRANCE PIPE CULVERTS ARE INDICATED TO BE REMOVED. PAYMENT FOR THE REMOVAL OF END SECTIONS OR HEADWALLS WILL NOT BE MADE SEPARATELY, BUT CONSIDERED AS INCLUDED IN THE COST OF REMOVING THE PIPE CULVERT.
 33. EXISTING STORM SEWERS AND PIPE CULVERTS THAT ARE NOT BEING REMOVED UNDER THIS CONTRACT AND ARE NO LONGER REQUIRED OR IT IS INDICATED ON THE PLANS TO BE ABANDONED, SHALL BE FILLED WITH A CONTROLLED LOW STRENGTH MIXTURE AND THE ENDS PLUGGED. SEE SPECIAL PROVISIONS.
 34. PROTECTIVE COAT SHALL BE APPLIED TO ALL CONCRETE CURB AND GUTTERS, MEDIAN BARRIER AND MEDIAN SURFACES.
 35. DELINEATOR REMOVAL INCIDENTAL TO EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR DELINEATOR REMOVAL.
 36. ALL EXISTING PIPE UNDERDRAINS AND HEADWALLS SHALL BE REMOVED. PIPE UNDERDRAIN REMOVAL AND PIPE UNDERDRAIN HEADWALL REMOVAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
 37. THE EXCAVATION AND BEDDING REQUIRED FOR RR 4 RIPRAP AS DESCRIBED IN ARTICLE 281.04 OF THE STANDARD SPECIFICATIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM STONE RIPRAP, CLASS A4.
 38. ANY REFERENCES TO STEEL PLATE BEAM GUARD RAIL, TYPE A SHOWN ON THE PLANS SHOULD BE INTERPRETED TO MEAN STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS.
 39. WHERE SMALL QUANTITIES OF SOIL MODIFICATION ARE SHOWN IN THE PLANS, SUB-BASE GRANULAR MATERIAL, TYPE B CRUSHED STONE MAY BE SUBSTITUTED AND CONSTRUCTED ACCORDING TO THE APPLICABLE PORTIONS OF SECTION 311 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE DEPTH OF THE SUB-BASE GRANULAR MATERIAL, TYPE B SHALL BE THE SAME AS THE DEPTH OF THE LIME MODIFICATION. THIS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PROCESSING LIME MODIFIED SOILS OF THE DEPTH SPECIFIED, INCLUDING ALL NECESSARY MATERIAL, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 40. A QUANTITY OF 400 TONS AGGREGATE FOR TEMPORARY ACCESS HAS BEEN ESTIMATED TO MAINTAIN ACCESS ON FRONTAGE ROAD 2.
 41. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT THE END OF ALL RECONSTRUCTED PAVEMENTS TIEING THEM TO EXISTING PAVEMENTS. THE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 420001 WITH THE DOWEL BARS EMBEDDED INTO THE EXISTING PAVEMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS PAVEMENTS AND/OR SHOULDERS.
 42. PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.
 43. EXISTING SUBBASE GRANULAR MATERIAL AS DEPICTED ON EXISTING TYPICAL SECTIONS SHALL BE REMOVED AND COST IS INCLUDED IN EARTH EXCAVATION. THIS MATERIAL MAY BE USED IN EMBANKMENT CONSTRUCTION IN ACCORDANCE WITH ARTICLE 205.04 OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- COMMITMENT - NONE

44. ANY REFERENCE ON THESE PLANS TO REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, SINGLE ROW OR REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL SHALL BE INTERPRETED TO MEAN REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, TYPE A.

45. ANY REFERENCE ON THESE PLANS TO TEMPORARY GUARD RAIL SHALL BE INTERPRETED TO MEAN TEMPORARY STEEL PLATE BEAM GUARD RAIL, TYPE A.

Rev. 7-14-10

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STANDARDS, AND INDEX OF SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Project\481\07-17-10\15 Trk\15mtds.dwg		DRAWN - PDB	REVISED -			57/70	(25-3)R, BY	EFFINGHAM	1416	127	
		CHECKED - BRM	REVISED -			SCALE:		SHEET NO. 2 OF 2 SHEETS		STA.	TO STA.
		DATE - 02-25-08	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74296

SUMMARY OF QUANTITIES

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				100% STATE ROADWAY J000-2A	100% STATE ROADWAY I000-2A	100% STATE SIGNING Y002-1C	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228
	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	27	27				
	PIPE CULVERTS, CLASS A, TYPE 2 48"	FOOT	88	88				
	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	83	83				
	PIPE CULVERTS, CLASS A, TYPE 2 84"	FOOT	16	16				
	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	40	40				
	PIPE CULVERTS, CLASS A, TYPE 4 84"	FOOT	67	67				
	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	36	36				
	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	94	94				
	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	39	39				
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4	4				
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2				
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2				
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	4	4				
	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	EACH	1	1				
	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 24"	EACH	2	2				
	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 48"	EACH	2	2				
	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 54"	EACH	1	1				
	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 84"	EACH	1	1				
	METAL END SECTIONS 15"	EACH	3	3				
	METAL END SECTIONS 18"	EACH	1	1				
	METAL END SECTIONS 24"	EACH	6	6				
	METAL END SECTIONS 36"	EACH	3	3				
	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 24" RISER	EACH	2	2				
	CONCRETE HEADWALLS	CU YD	1.7	1.7				
	CONCRETE COLLAR	EACH	15	15				
	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	2420	2420				
	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1415	1415				
	STORM SEWER REMOVAL 24"	FOOT	136	136				
	CONCRETE SEALER	SQ FT	8309			7511	798	
	EPOXY CRACK INJECTION	FOOT	102			70	32	
	GEOCOMPOSITE WALL DRAIN	SQ YD	429			258	171	
	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	83	83				
	PIPE DRAINS 15"	FOOT	98	98				
	PIPE DRAINS 18"	FOOT	94	94				
	PIPE DRAINS 24"	FOOT	147	147				
	PIPE DRAINS 36"	FOOT	27	27				
	PIPE UNDERDRAINS 4"	FOOT	3353	3353				
	PIPE UNDERDRAINS 6"	FOOT	35390	35390				
	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	76	76				
	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	782	782				
	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	274			164	110	
	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1				

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				100% STATE ROADWAY J000-2A	100% STATE ROADWAY I000-2A	100% STATE SIGNING Y002-1C	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228
	INLETS TYPE B, TYPE 3 FRAME AND GRATE	EACH	15	15				
	MEDIAN INLET (604101)	EACH	2	2				
	INLETS TO BE RECONSTRUCTED	EACH	1	1				
	DRAINAGE STRUCTURES, TYPE 5 WITH TWO TYPE 22 FRAME AND GRATES	EACH	9	9				
	REMOVING MANHOLES	EACH	1	1				
	REMOVING INLETS	EACH	5	5				
	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3222	3222				
	CONCRETE MEDIAN SURFACE, 6 INCH (SPECIAL)	SQ FT	27820	27820				
	TYPE C INLET BOX, STANDARD 609001 (SEPCIAL)	EACH	1	1				
	CONCRETE THRUST BLOCKS	EACH	7	7				
	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	12562.5	12562.5				
	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	50	50				
	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	36	36				
	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	11	11				
	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	8				
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	11	11				
	GUARDRAIL REMOVAL	FOOT	10592	10592				
	CABLE ROAD GUARD REMOVAL	FOOT	2193	2193				
	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, SINGLE RAIL	FOOT	1054	1054				
	TEMPORARY GUARD RAIL	FOOT	395	395				
	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL	FOOT	425	425				
	DELINEATORS	EACH	241	241				
	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT	FOOT	1349	1349				
	CONCRETE BARRIER BASE	FOOT	1870	1870				
	SHOULDER RUMBLE STRIP	FOOT	48318	40092	8226			
	WOVEN WIRE FENCE, 4'	FOOT	2149	2149				
	PERMANENT SURVEY MARKERS, TYPE I	EACH	48	48				
	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	27	27				
	ENGINEER'S FIELD LABORATORY	CAL MO	27	27				
	MOBILIZATION	L SUM	0.76	0.76				
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2			2		
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1			1		
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1			1		
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	12	12				
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1			1		
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	EACH	8	8				
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1			1		
	TRAFFIC CONTROL AND PROTECTION, CASE III	EACH	12	12				
	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.76	0.76				
	TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	L SUM	0.5	0.5				
	TRAFFIC CONTROL SURVEILLANCE	CAL DA	38	38				
	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	625	625				
	SHORT-TERM PAVEMENT MARKING	FOOT	3969			3969		
	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	55661	46147	9514			
	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	9624	8795	829			
	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	6213	5589	624			

Rev. 7-14-10

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USER NAME = paul
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 PLOT DATE = 3/23/2010

DESIGNED - ESW
 DRAWN - ESW
 CHECKED - BRM
 DATE - 02-25-08

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES, SOUTH TRI LEVEL

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE. 57/70	SECTION (25-3)R, BY	COUNTY EFFINGHAM	TOTAL SHEETS 1416	SHEET NO. 129
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74296	

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				100% STATE ROADWAY J000-2A	100% STATE ROADWAY I000-2A	100% STATE SIGNING Y002-1C	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228
	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1190	1103	87			
	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	29138	24592	4546			
	TEMPORARY CONCRETE BARRIER	FOOT	22800	22800				
	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	25550	25550				
	SIGN PANEL - TYPE 1	SQ FT	95			95		
	SIGN PANEL - TYPE 2	SQ FT	48			48		
	SIGN PANEL - TYPE 3	SQ FT	2945			2945		
	REMOVE SIGN PANEL - TYPE 3	SQ FT	1213			1213		
	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	9440	513		8927		
	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY	POUND	307			307		
	WOOD SIGN SUPPORT	FOOT	130			130		
	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	286			286		
	OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	174			174		
	CONCRETE FOUNDATIONS	CU YD	56.8	2.8		54		
	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	34.9			34.9		
	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	4			4		
	REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	7			7		
	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	7			7		
	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	8			8		
	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	119.2	119.2				
	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1025	953	72			
	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	5		5			
	GUARDRAIL MARKERS, TYPE A	EACH	87	87				
	TERMINAL MARKER - DIRECT APPLIED	EACH	11	11				
	ELECTRIC SERVICE INSTALLATION	EACH	2	2				
	CONDUIT, AUGERED 2" DIA., PVC	FOOT	154	154				
	CONDUIT, AUGERED 3" DIA., PVC	FOOT	592	592				
	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	640	640				
	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	50	50				
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	18	18				
	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3187	3187				
	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	12046	12046				
	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	21770	21770				
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1145	1145				
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1120	1120				
	AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	2210	2210				
	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	30120	30120				
	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	116	116				
	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	16	16				
	UNDERPASS LUMINAIRE, 150 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	2	2				
	SIGN LIGHTING (HIGH PRESSURE SODIUM)	EACH	17	17				
	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1	1				
	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1	1				
	LIGHT POLE, ALUMINIUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	116	116				

CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				100% STATE ROADWAY J000-2A	100% STATE ROADWAY I000-2A	100% STATE SIGNING Y002-1C	100% STATE BOX CULVERTS TUNNEL SN 025-2018 EB X228	100% STATE BOX CULVERTS TUNNEL SN 025-2017 WB X228
	LIGHT POLE, WOOD, 55 FOOT, CLASS 4	EACH	16	16				
	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	113	113				
	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	308	308				
	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	16	16				
	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	9	9				
	REMOVE POLE FOUNDATION	EACH	3	3				
	REMOVAL OF LIGHTING CONTROLLER	EACH	3	3				
	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2	2				
	MATERIAL TRANSFER DEVICE	TON	1204		1204			
	REMOVE EXISTING FLARED END SECTION	EACH	4	4				
	TEMPORARY INLET	EACH	3	3				
	TRAFFIC COUNTER	EACH	2	2				
	TRAFFIC CONTROL SUPERVISOR	CAL DAY	700	700				
	PAVEMENT MARKING GROOVING	FOOT	72686	61632	11054			
	PAVEMENT MARKING GROOVING	SQ FT	401	401				
	SERVICE PROVIDER	CAL MD	2.5	2.5				
	REMOVE AND RELAY END SECTIONS	EACH	1	1				
	CONCRETE ANCHORS	EACH	30	30				
	MECHANICAL SPLICERS	EACH	204	204				
	CONCRETE BARRIER, VARIABLE CROSS-SECTION 42" HEIGHT	FOOT	521	521				
	TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE (SPECIAL)	CAL MD	2.5	2.5				
	TRAFFIC CONTROL FOR ROAD CLOSURE	LSUM	1	1				
	TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE	LSUM	1	1				
	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	55661	46147	9514			
	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	9624	8795	829			
	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	6213	5589	624			
	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1190	1103	87			
	CONSTRUCTION LAYOUT	L SUM	0.76	0.76				
	DOWEL BARS	EACH	1204		1204			
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	7					7*
	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	1					1*
	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	11					11*
	ROCK FILL - REPLACEMENT	TON	791	791				
	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), CONTAINER GROWN, 5-GALLON	EACH	200	200				
	TREE, TAXODIUM DISTICHUM (BALD CYPRESS), CONTAINER GROWN, 3-GALLON	EACH	200	200				
	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	350	350				
	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	200	200				
	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	200	200				
	SHRUB, CORYLUS AMERICANA (AMERICAN FILBERT), 4' HEIGHT, BALLED AND BURLAPPED	EACH	875	875				
	SHRUB, RHUS GLABRA (SMOOTH SUMAC), 5-GALLON	EACH	875	875				
	SHRUB, AMOUPIA FRUITCOSA (INDIGO BUSH), CONTAINER GROWN, 3-GALLON	EACH	875	875				
	SHRUB, ARONIA MELANOCARPA 'VIKING' (VIKING BLACK CHOKEBERRY), CONTAINER GROWN, 3-GALLON	EACH	875	875				
	SHRUB, RHUS AROMATICA (FRAGRANT SUMAC), 2' WIDTH, CONTAINER	EACH	875	875				
	SHRUB, VIBURNUM CARLESI (KOREANSPICE VIBURNUM), 2' HEIGHT, CONTAINER	EACH	875	875				
	SHRUB, VIBURNUM DENTATUM (ARROWWOOD VIBURNUM), 3' HEIGHT, CONTAINER	EACH	860	860				
	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	210	210				
	PREFORMED THERMOPLASTIC PAVEMENT MARKING SHIELD	EACH	4	4				

* CONSTRUCTION CODE SFTY-3N

Rev. 7-14-10

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 CHECKED - BRM
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 PLOT DATE = 5/24/2010

DESIGNED - ESW
 DRAWN - ESW
 CHECKED - BRM
 DATE - 02-25-08

REVISED - 4-20-10
 REVISED - 5-21-10
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, SOUTH TRI LEVEL

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)R, BY	EFFINGHAM	1416	130
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 74296	

PIPE CULVERT SCHEDULE

Table with columns for LOCATION, STATION TO STATION, SIDE, and various pipe culvert types (15" to 84" diameters) and precast concrete sections. Includes a circled 'CONCRETE COLLAR' column and a total row at the bottom.

*NOT A TOTAL QUANTITY

DRAINAGE STRUCTURES SCHEDULE

Table with columns for LOCATION, STATION, OFFSET, SIDE, SN, and types of manholes, inlets, drainage structures, and temporary inlets.

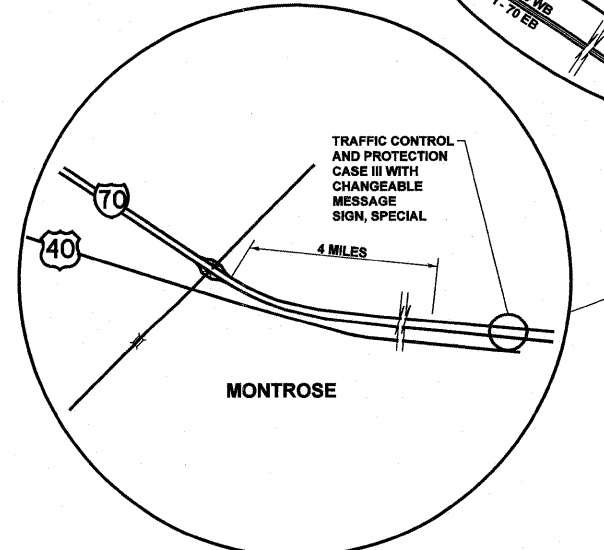
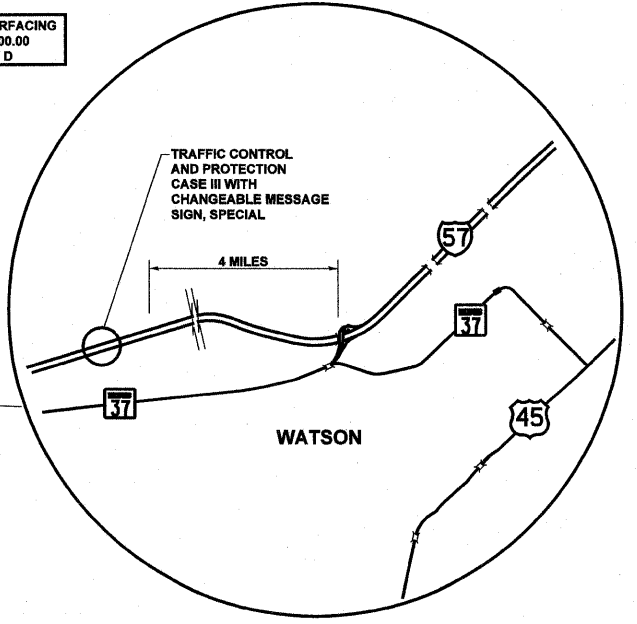
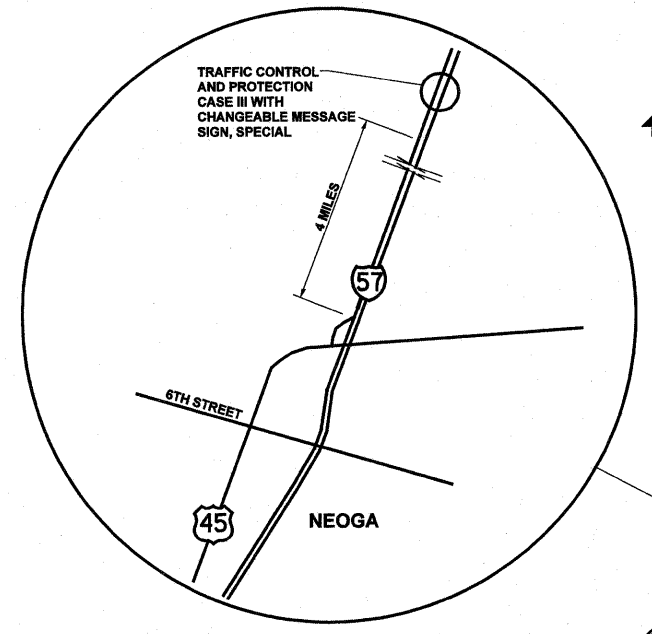
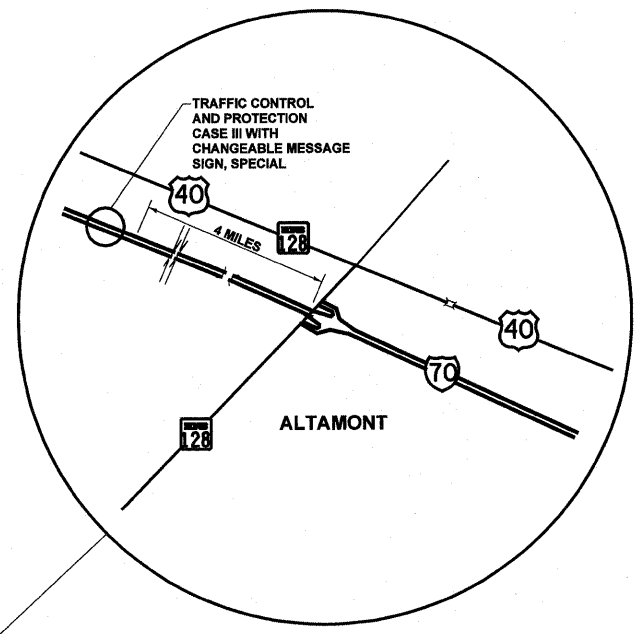
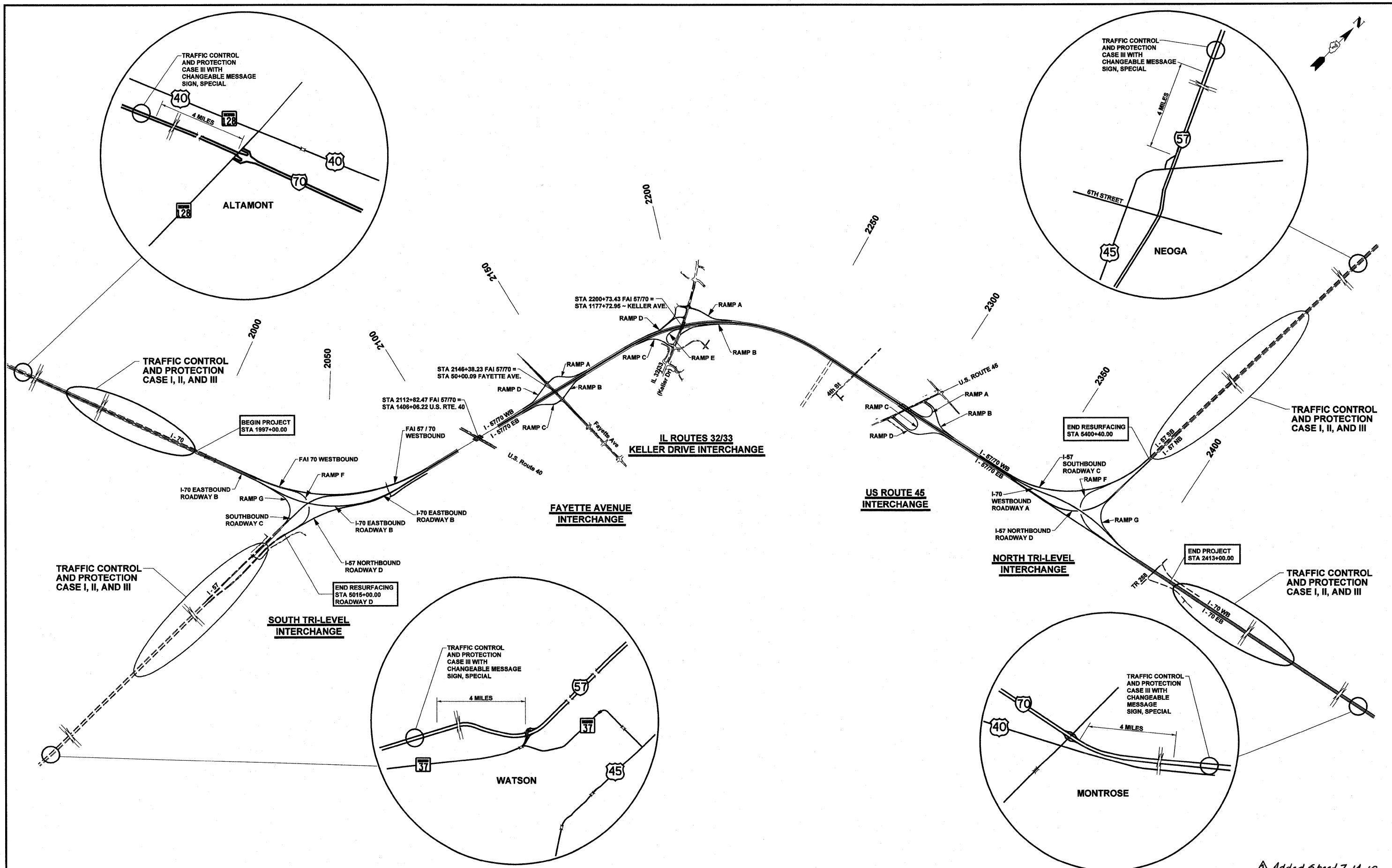
STORM SEWER SCHEDULE

Table with columns for LOCATION, STATION, SIDE, SN, TRENCH BACKFILL (CU YD), and STORM SEWERS (CLASS A, TYPE 1 15" and CLASS A, TYPE 2 24").

*STATION EQUATION 2093+00.73 (ROADWAY B) = 2090+18.18 (I-57/70)

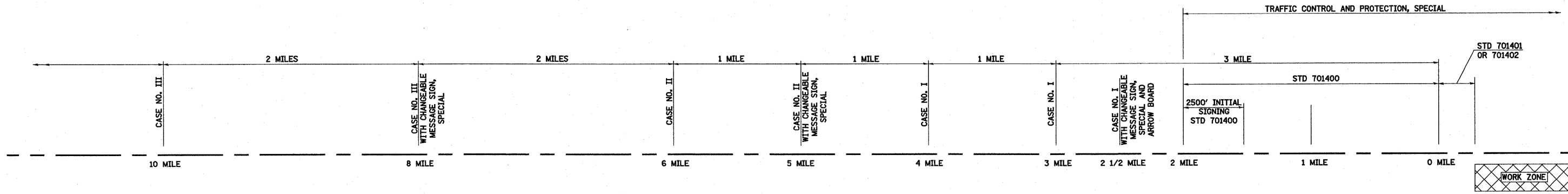
DRAINAGE REMOVAL ITEMS SCHEDULE

Table with columns for LOCATION, STATION TO STATION, CONCRETE HEADWALL REMOVAL, PIPE CULVERT REMOVAL, STORM SEWER REMOVAL, INLETS TO BE RECONSTRUCTED, REMOVING MANHOLES, REMOVING INLETS, REMOVE AND RELAY END SECTIONS, and REMOVE EXISTING FLARED END SECTIONS.



Added Sheet 7-14-10

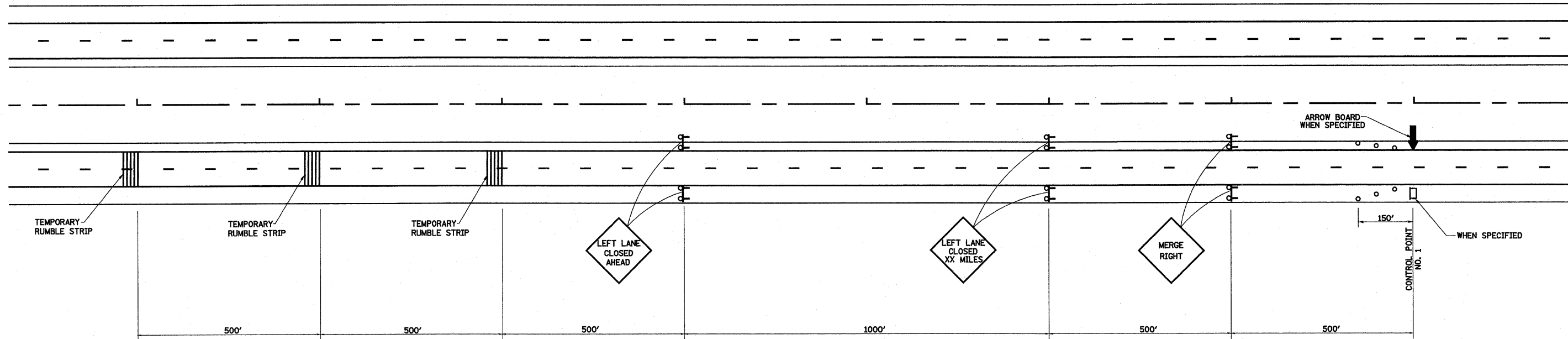
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SI\Projects\403-00072-57-70\dgn\5 TrIL\traffic location map.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 74296	
		CHECKED -	REVISED -									
		DATE - 7/12/2010	REVISED -									



APPROACH TO LANE CLOSURE DETAIL

LOCATION	STATION
SOUTH TRI-LEVEL	
I-57 ROADWAY D	5015+00
I-70 WEST APPROACH	1997+00
NORTH TRI-LEVEL	
I-57 NORTH APPROACH	5400+40
I-70 EAST APPROACH	2413+00

SEE SCHEDULES FOR ROADWAY AND STATION CONTROL



TRAFFIC CONTROL AND PROTECTION CASE NO. I

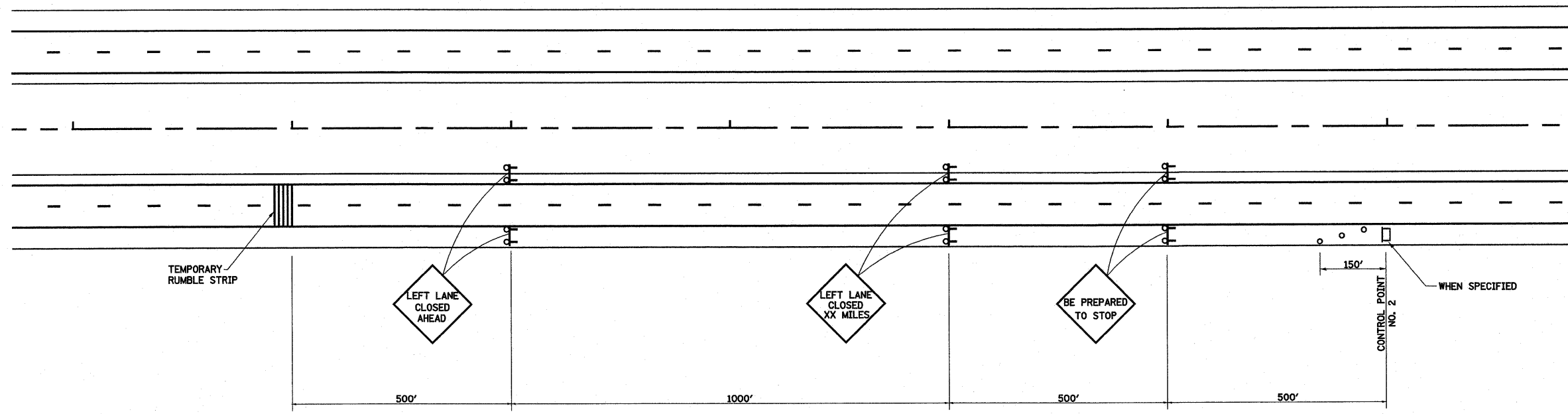
- LEGEND**
- ↑ ARROW BOARD
 - ⊕ TYPE III BARRICADE WITH 2 HIGH INTENSITY FLASHING LIGHTS
 - CHANGEABLE MESSAGE SIGN, SPECIAL
 - TYPE I OR II BARRICADE WITH MONODIRECTIONAL FLASHING LIGHTS

GENERAL NOTES

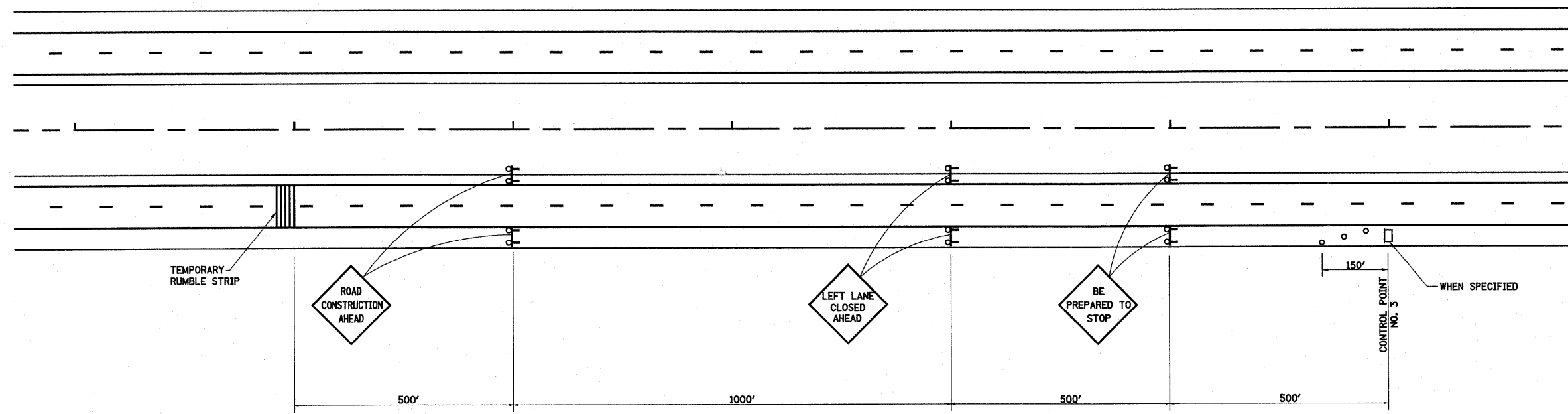
APPROACH TO LANE CLOSURE IS TO BE USED WHERE A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY FOR AN EXTENDED DURATION DURING STAGE CONSTRUCTION. WHEN THE RIGHT LANE IS CLOSED, RIGHT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE LEFT LANE CLOSED SIGNS.

Added Sheet 7-14-10

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PLOT SCALE = 200.0000' / IN.	CHECKED - BRM	REVIS	SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 74296		
PLOT DATE = 7/12/2010	DATE - 3-04-08	REVIS							



**TRAFFIC CONTROL AND PROTECTION
CASE NO. II**



**TRAFFIC CONTROL AND PROTECTION
CASE NO. III**















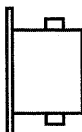
LEGEND

- ↑ ARROW BOARD
- ⊕ TYPE III BARRICADE WITH 2 HIGH INTENSITY FLASHING LIGHTS
- CHANGEABLE MESSAGE SIGN, SPECIAL
- TYPE I OR II BARRICADE WITH MONODIRECTIONAL FLASHING LIGHTS

Added Sheet 7-14-10

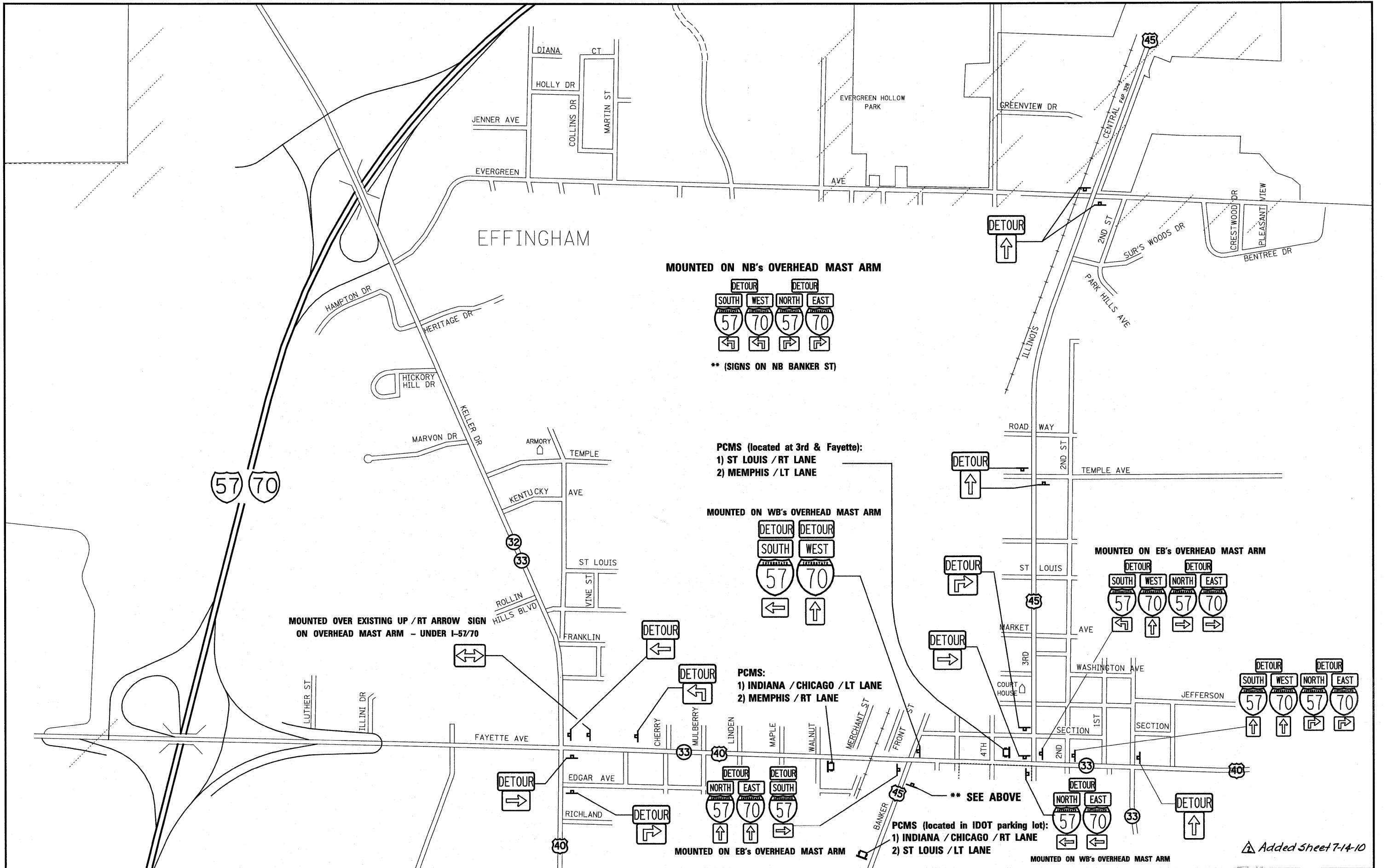
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S:\p\projects\403-00072.51-70\dgn\5 Trl\Approach Sign	Lane Closure.dgn	DRAWN - PDB	REVISED -		SCALE:	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	57/70	(25-3)R	EFFINGHAM	1416	1/338 D
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	PLOT DATE = 7/12/2010	DATE - 3-04-08	REVISED -										
								CONTRACT NO. 74296		ILLINOIS FED. AID PROJECT			

LEGEND

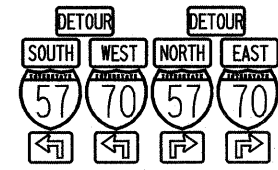
- 52 EACH  M4-8(0)-2412
- 5 EACH  M3-1-2412
- 6 EACH  M3-3-2412
- 6 EACH  M3-2-2412
- 5 EACH  M3-4-2412
- 4 EACH  M4-6(0)-2412
- 6 EACH  W16-3A(0)-3612
- 21 EACH  M6-1(0)-2115
- 23 EACH  M6-3(0)-2115
- 1 EACH  M6-4(0)-2115
- 7 EACH  M5-1R(0)-2115
- 6 EACH  M5-1L(0)-2115
- 11 EACH  M1-1-36
- 11 EACH  M1-1-36
- 3 EACH  Portable changeable message sign

△ Added Sheet 7-14-10

FILE NAME =	USER NAME = lunde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERALL DETOUR				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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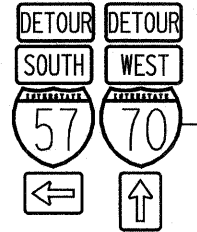
MOUNTED ON NB's OVERHEAD MAST ARM



** (SIGNS ON NB BANKER ST)

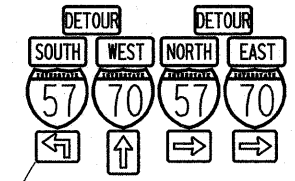
PCMS (located at 3rd & Fayette):
 1) ST LOUIS / RT LANE
 2) MEMPHIS / LT LANE

MOUNTED ON WB's OVERHEAD MAST ARM



PCMS:
 1) INDIANA / CHICAGO / LT LANE
 2) MEMPHIS / RT LANE

MOUNTED ON EB's OVERHEAD MAST ARM



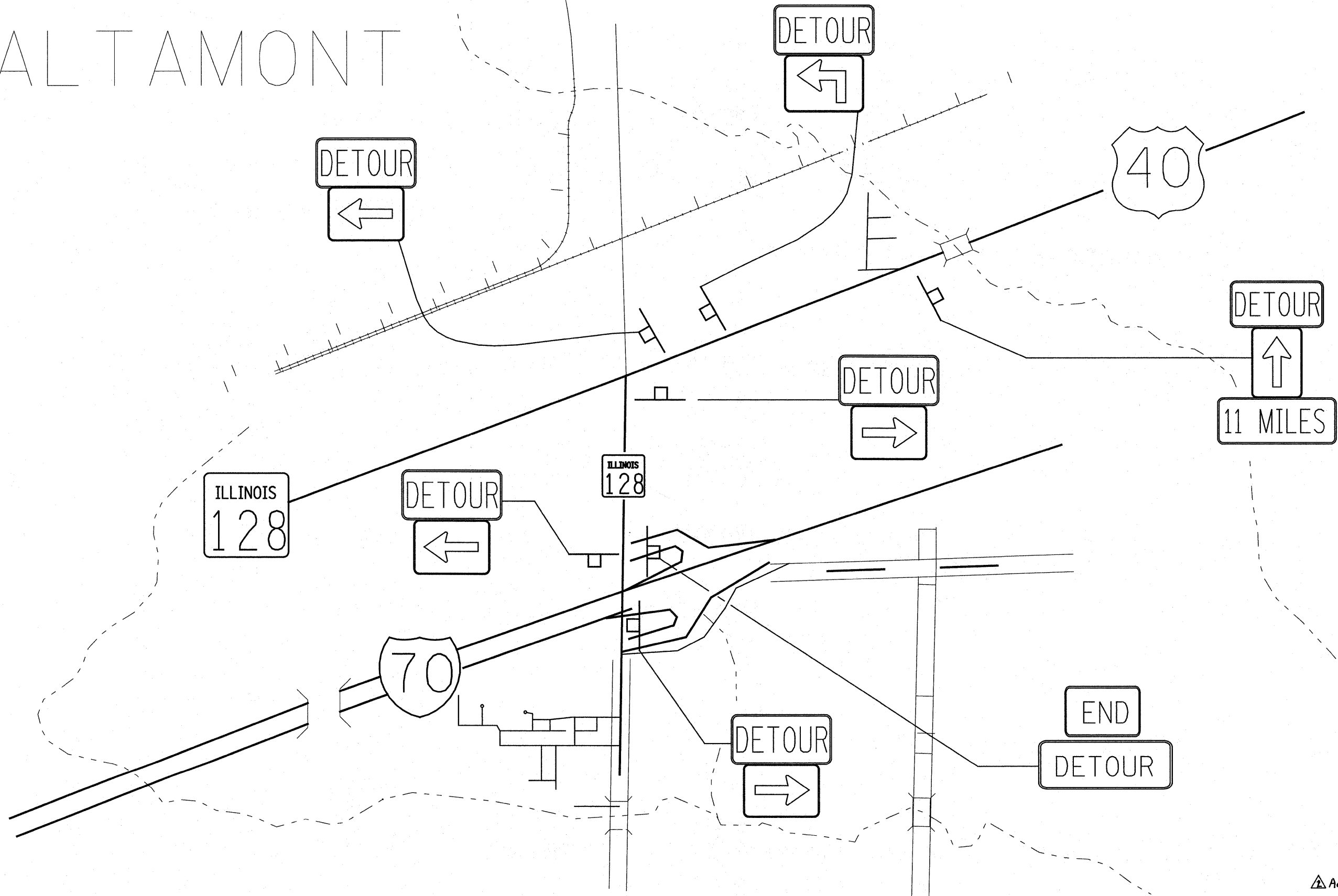
PCMS (located in IDOT parking lot):
 1) INDIANA / CHICAGO / RT LANE
 2) ST LOUIS / LT LANE

MOUNTED OVER EXISTING UP / RT ARROW SIGN ON OVERHEAD MAST ARM - UNDER I-57/70

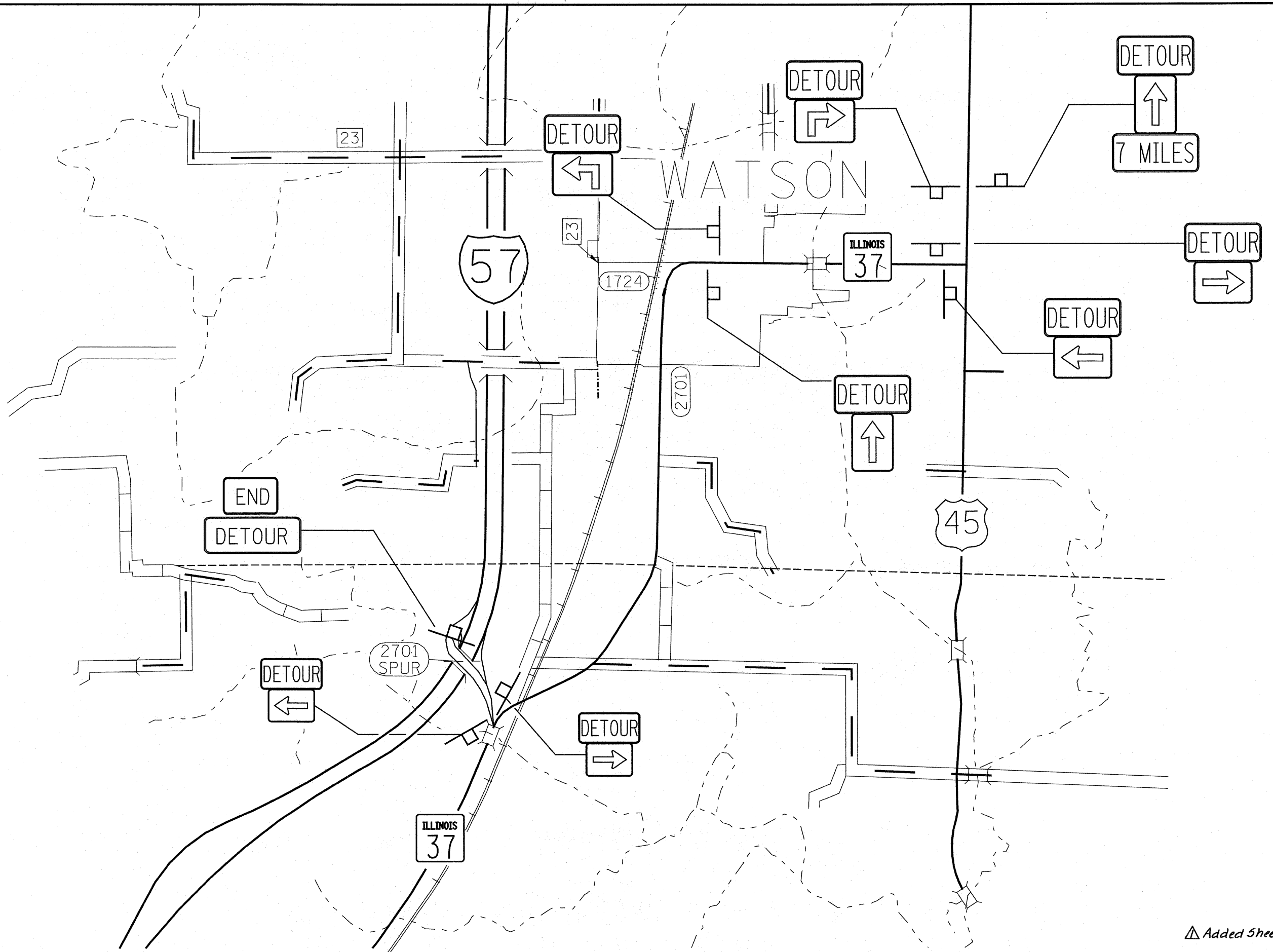
Added Sheet 7-14-10

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		CHECKED -	REVISED -								CONTRACT NO. 74296		
		DATE -	REVISED -										

ALTAMONT

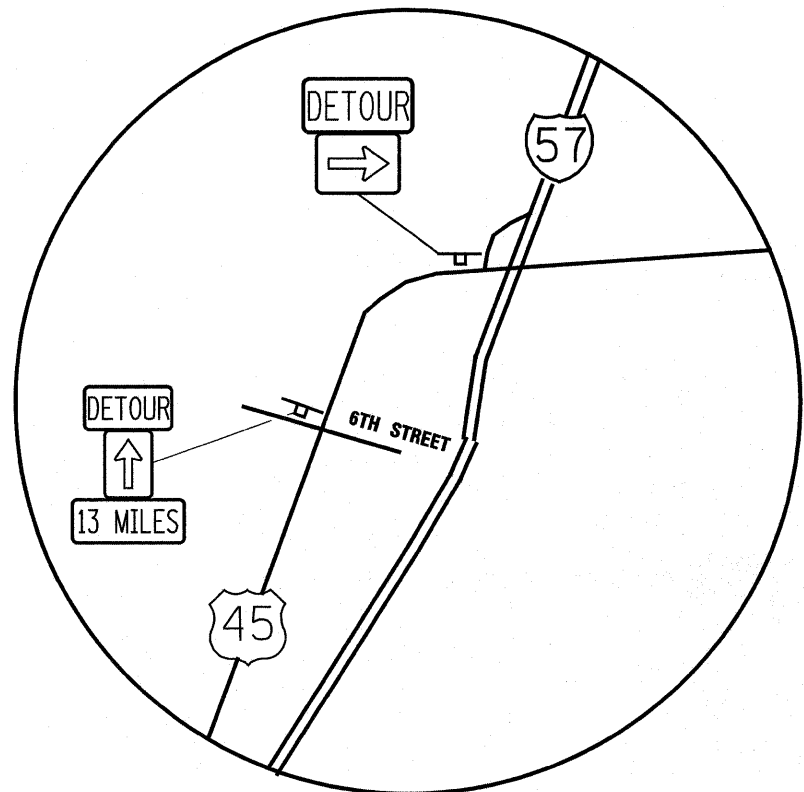


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		DATE -	REVISED -										

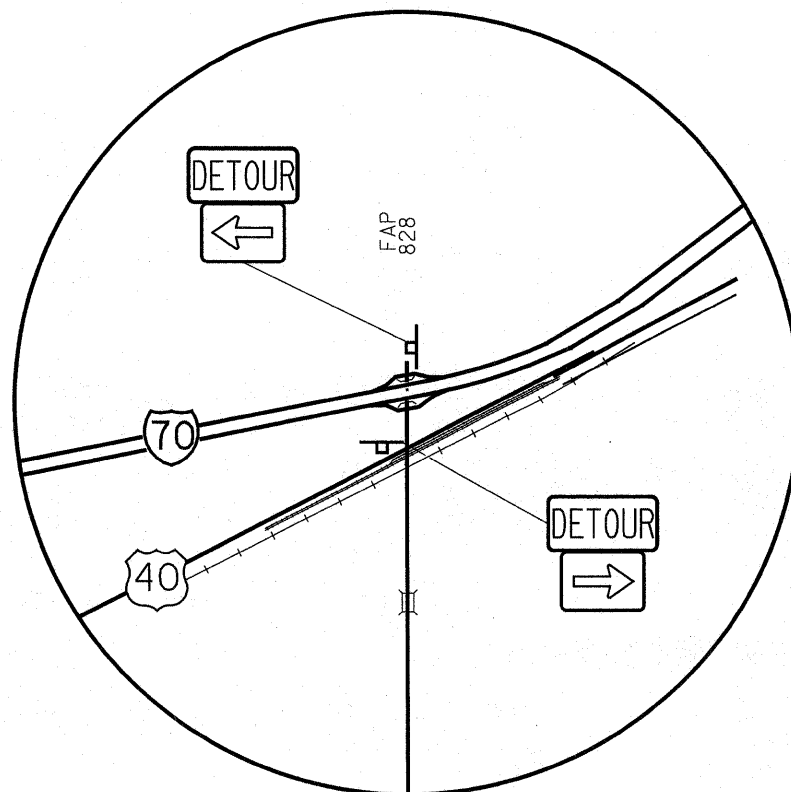


△ Added Sheet 7-14-10

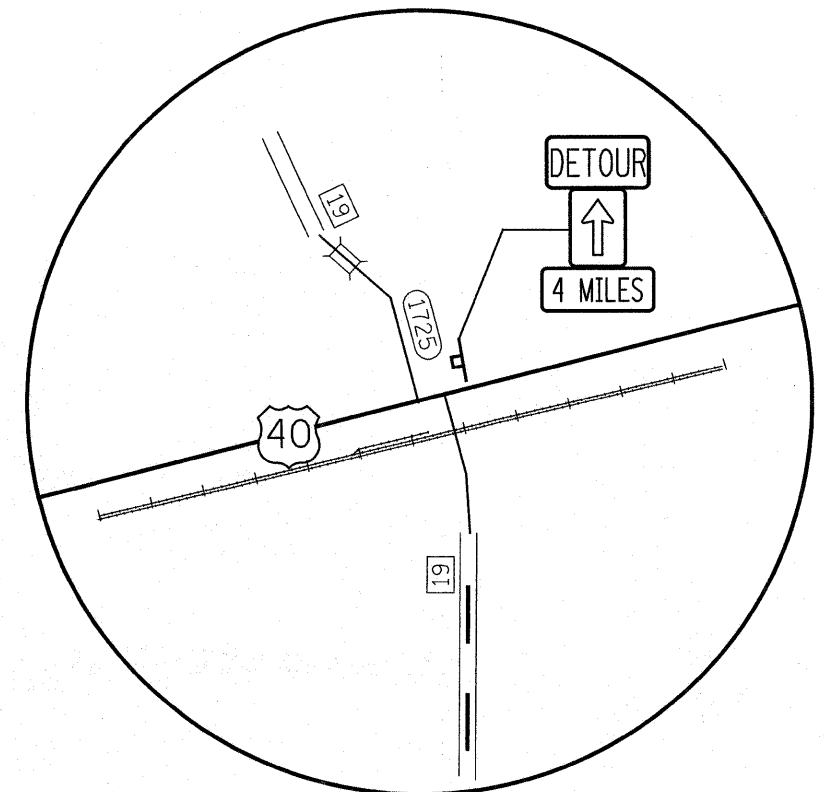
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	DATE -	REVISED -												



NEOGA

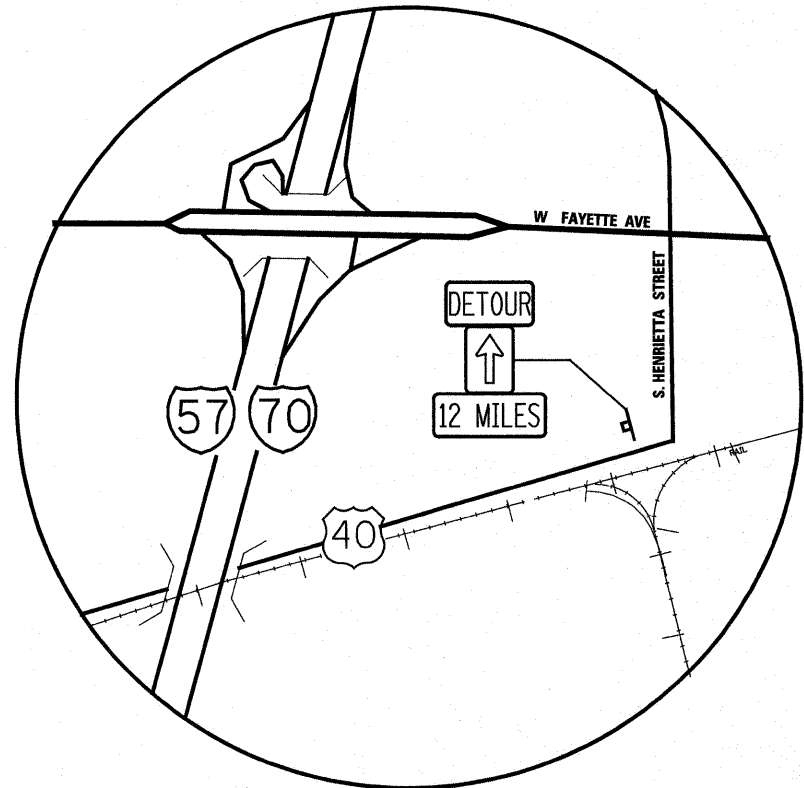


MONTROSE

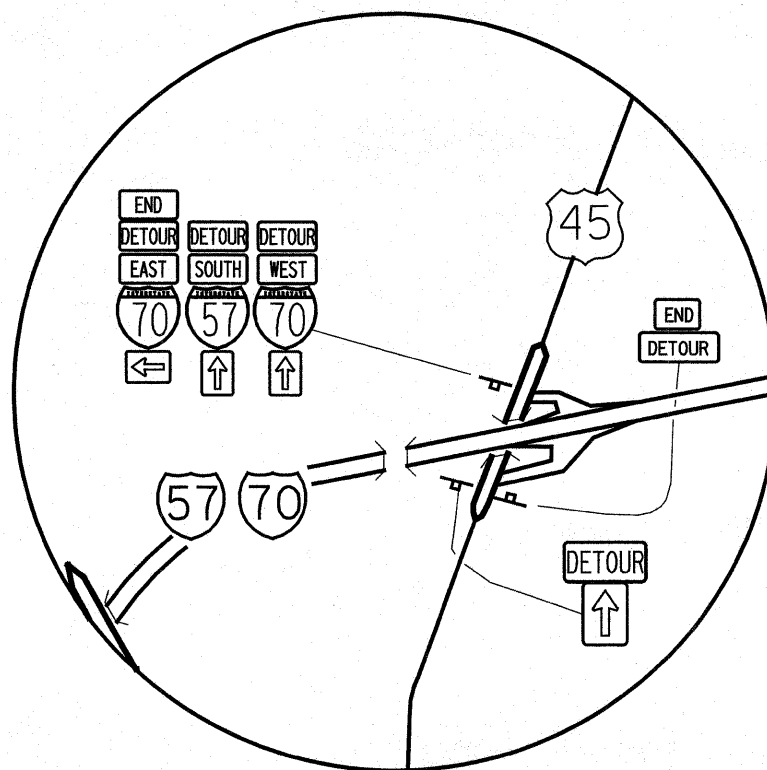


TEUTOPOLIS

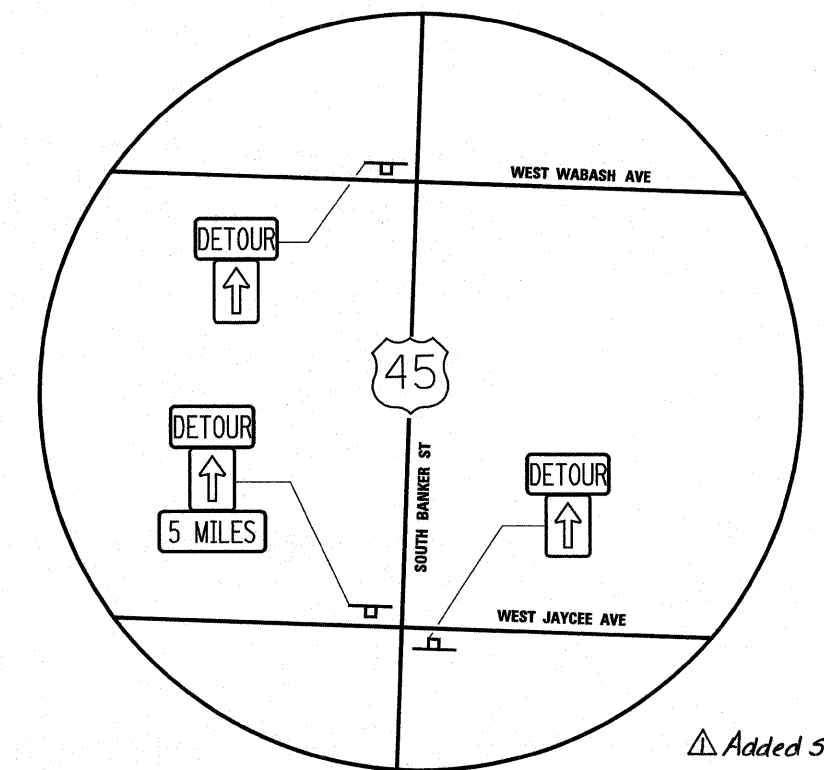
EFFINGHAM - US40



EFFINGHAM
US 45 INTERCHANGE



EFFINGHAM - US45



Added Sheet 7-14-10

FILE NAME = \$FILEL*	USER NAME = linda	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERALL DETOUR				F.A. RTE. 57/70	SECTION (25-3)R	COUNTY EFFINGHAM	TOTAL SHEETS 1416	SHEET NO. 1398
	PLOT SCALE = 1000.0020' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 74296		
	PLOT DATE = 7/12/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										