

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	16-2,19X-2)RS-1,19B,19BR	Coles	49	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 74157		

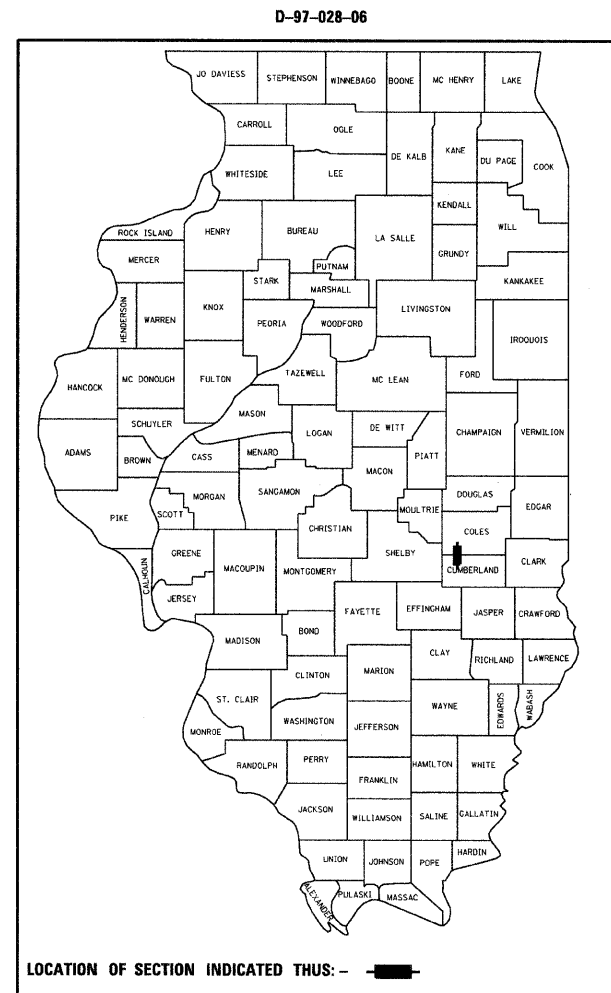
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 824 (US 45)
SECTION (16-2,19X-2)RS-1,19B,19BR
PROJECT: F-0824(018)
HMA RESURFACING/BOX CULVERT REPLACEMENT
COLES COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

2007 ADT = 10,000



C-97-059-06

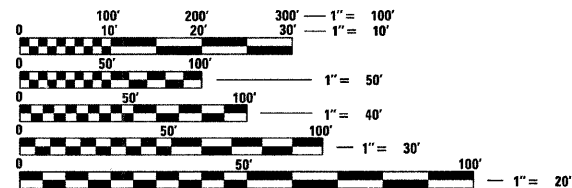


STA 1418+47
NORTH END OF PROJECT

STATION EQUATION
STA 21+50 BK =
STA 1292+98 AH

STATION EQUATION
STA 1242+28.9 BK =
STA 72+19.1 AH

STA 1205+50
SOUTH END OF PROJECT



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: MARK DAUGHERTY
PROJECT MANAGER: JOYCE HEMMEN

CONTRACT NO. 74157

TOTAL LENGTH OF PROJECT = 21,297 FT 4.03 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 9, 2009

Regan L. Siskell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 2009
Charles G. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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47	TYPICAL APPLICATION OF DETECTOR LOOPS
48-49	TYPICAL APPLICATIONS OF PAVEMENT MARKING

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 49:

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
667101-01	PERMANENT SURVEY MARKERS
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >=45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-05	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >=45 MPH
701421-02	LANE CLOSURE, MULTI-LANE, DAY OPERATIONS ONLY, FOR SPEEDS >=45 MPH
701423-03	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS >= 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTI-LANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >=45 MPH
701602-04	URBAN LANE CLOSURE, MULTI-LANE, 2W, WITH BI-DIRECTIONAL TURN LANE
701901-01	TRAFFIC CONTROL DEVICES
704001-05	TEMPORARY CONCRETE BARRIER
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	2	
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	PLOT DATE = #DATE#	DATE -	REVISED -			CONTRACT NO. 74157					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											

GENERAL NOTES

THE PROPOSED PROJECT IS LOCATED ON US 45 AND LIES IN COLES COUNTY. THE PROJECT BEGINS ABOUT 65 FEET SOUTH OF COUNTY ROAD 250 NORTH AND EXTENDS NORTHWARDS TO RUDY AVENUE IN MATTOON. THE WORK INCLUDED IN SECTION (16-2,19X-2)RS-1,19B,19BR CONSISTS OF PAVEMENT PATCHING, MILLING, LEVELING BINDER, HOT-MIX ASPHALT SURFACE COURSE, AND AGGREGATE SHOULDERS THROUGH THE RURAL AREA. AN INLAY IS PROPOSED THROUGH THE CURB AND GUTTER SECTION. CULVERT REMOVAL AND REPLACEMENT OF SN 015-2006, A HOT-MIX ASPHALT OVERLAY FOR SN 015-0025 AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT ITEMS.

HOT-MIX ASPHALT MATERIALS (PRIME COAT) SHALL BE EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP. VIBRATORY ROLLERS WILL NOT BE ALLOWED WITHIN THE CORPORATE CITY LIMITS OF MATTOON. DENSITY REQUIREMENTS, HOWEVER, WILL REMAIN AS SPECIFIED.

THE MAXIMUM ALLOWABLE DIFFERENTIAL IN ELEVATION BETWEEN ADJACENT OPEN TRAFFIC LANES SHALL BE 2 INCHES.

THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT THE 4" SURFACE COURSE ON SN 015-0025 IN 2 - 2" LIFTS.

AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP.

AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

ANY NECESSARY SEEDING ON THE PROJECT SHALL BE APPLIED IN ACCORDANCE WITH SECTION 250 OF THE STANDARD SPECIFICATIONS FOR SEEDING, CLASS 2A. SEEDING CLASS 2A, NITROGEN FERTILIZER NUTRIENT, PHOSPHOROS FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT AND MULCH SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES.

THE PAVEMENT MARKING QUANTITIES WERE OBTAINED FROM EXISTING CONDITIONS AS DETERMINED FROM FIELD MEASUREMENTS AND FROM EXISTING PLANS.

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, HOT-MIX ASPHALT 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 SURFACE.

THE TOTAL QUANTITY OF URETHANE PAVEMENT MARKING - LINE 4 INCH CONSISTS OF 44478 FEET OF YELLOW AND 43949 FEET OF WHITE.

THE TOTAL QUANTITY OF URETHANE PAVEMENT MARKING - LINE 6 INCH CONSISTS OF 5702 FEET OF WHITE.

THE TOTAL QUANTITY OF URETHANE PAVEMENT MARKING - LINE 12 INCH CONSISTS OF 705 FEET OF YELLOW AND 369 FEET OF WHITE.

THE TOTAL QUANTITY OF URETHANE PAVEMENT MARKING - LINE 24 INCH CONSISTS OF 574 FEET OF WHITE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE ONLY AND THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE USE OF VIBRATORY ROLLERS WILL NOT BE ALLOWED IN URBAN AREA (DUE TO VIBRATION PROBLEMS) BUT THE DENSITY REQUIREMENT WILL REMAIN THE SAME.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE (PRIME COAT)	4.0 LB/SQ YD
BIT MATLS (PRIME COAT)	0.1 GAL/SQ YD
BITUMINOUS CONCRETE	112 LBS/SQ YD/INCH

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

SURFACE

MIXTURE USE: SURFACE COURSE - 11/2"
 APPLICATION: HOT-MIX ASPHALT SURFACE COURSE MIX "D", N90
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: MIXTURE D

BINDER

MIXTURE USE: LEVEL BINDER - 3/4 "
 APPLICATION: LEVELING BINDER (MACHINE METHOD) N90
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: N/A

PATCHING

MIXTURE USE: PAVEMENT PATCHING
 APPLICATION: HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N70
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70
 MIXTURE COMPOSITION: IL-19.0
 FRICTION AGGREGATE: N/A

INCIDENTAL

MIXTURE USE: INCIDENTAL BITUMINOUS SURFACE (DRIVEWAYS)
 APPLICATION: HOT-MIX ASPHALT SURFACE COURSE, MIX"C" N50
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 50
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: MIXTURE C

SHOULDERS

MIXTURE USE: HOT-MIX ASPHALT SHOULDERS
 APPLICATION: HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 PG GRADE: PG 58-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 30
 MIXTURE COMPOSITION: IL-19.0L
 FRICTION AGGREGATE: N/A

THE FOLLOWING MIXTURE REQUIREMENTS SHALL BE USED FOR THE BOX CULVERT REMOVAL AND REPLACEMENT OF SN 015-2023. THE BINDER AND SURFACE COURSES FOR THIS SECTION SHALL BE PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4".

BINDER

MIXTURE USE: BINDER COURSE, 12 1/4"
 APPLICATION: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90
 MIXTURE COMPOSITION: IL-19.0
 FRICTION: N/A

SURFACE

MIXTURE USE: SURFACE COURSE - 11/2"
 APPLICATION: HOT-MIX ASPHALT SURFACE COURSE MIX "D", N90
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: MIXTURE D

THE FOLLOWING MIXTURE REQUIREMENT SHALL BE USED FOR SN 015-0025.

SURFACE

MIXTURE USE: SURFACE COURSE - 4"
 APPLICATION: HOT-MIX ASPHALT SURFACE COURSE MIX "D", N90
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: MIXTURE D

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	3	
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	PLOT DATE = #DATE#	DATE -	REVISED -			SCALE: N/A	SHEET NO.	OF	SHEETS	STA.	TO STA.

80% FED.
20% STATE

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000-2A	X028-2A	SFTY-2A
20200100	EARTH EXCAVATION	CU YD	1538		1538	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	270		270	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	491		491	
28100107	STONE RIPRAP, CLASS A4	SO YD	262		262	
28200200	FILTER FABRIC	SO YD	262		262	
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SO YD	753		753	
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SO YD	144		144	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	8	8		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	17193	17193		
40600300	AGGREGATE (PRIME COAT)	TON	344	344		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	5462	5462		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1200	1200		
40600990	TEMPORARY RAMP	SO YD	973	973		
40600995	TEMPORARY RAMP, SPECIAL	SO YD	1137	1137		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	10967	10932		35
40701956	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 1 3/4"	SO YD	753		753	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	287	287		
44000100	PAVEMENT REMOVAL	SO YD	753		753	
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SO YD	144267	144267		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	27163	27163		
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	460	460		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	493	63	430	
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SO YD	142			142
44003100	MEDIAN REMOVAL	SO FT	163	163		
44004250	PAVED SHOULDER REMOVAL	SO YD	94		94	
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	18	18		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	1386	1386		
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	96	96		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	73	73		

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PLOT DATE = #DATE#		DATE -	REVISED -			SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

80% FED.
20% STATE

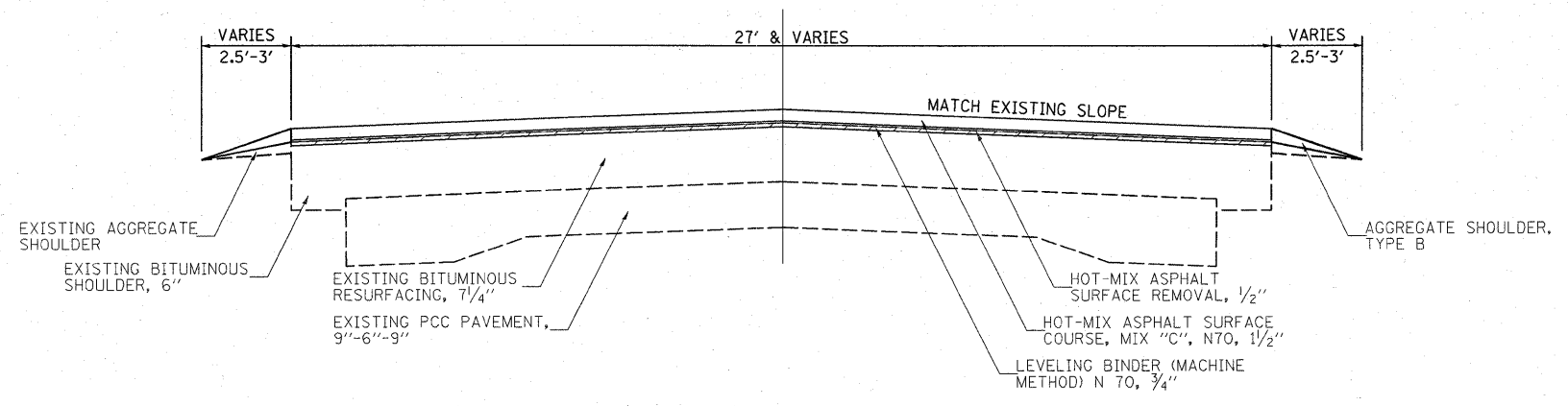
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000-2A	X028-2A	SFTY2A
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	302	302		
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	23	23		
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	85	85		
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	259	259		
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	69	69		
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SQ YD	16	16		
44201863	CLASS D PATCHES, TYPE II, 18 INCH	SQ YD	259	259		
44201914	CLASS D PATCHES, TYPE II, 22 INCH	SQ YD	61	61		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2008	2008		
48203006	HOT-MIX ASPHALT SHOULDERS, 2 1/4"	SQ YD	42279	42279		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	89		89	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
50102400	CONCRETE REMOVAL	CU YD	6.9			6.9
50300255	CONCRETE SUPERSTRUCTURE	CU YD	6.9			6.9
50800105	REINFORCEMENT BARS	POUND	142910		142910	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1520			1520
50800515	BAR SPLICERS	EACH	280		280	
51205200	TEMPORARY SHEET PILING	SQ FT	1550		1550	
51500100	NAME PLATES	EACH	1		1	
54003000	CONCRETE BOX CULVERTS	CU YD	621.3		621.3	
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	142			142
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	436		436	
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	63	63		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	163	163		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
70102672	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602, SPECIAL	L SUM	1			1

80% FED.
20% STATE

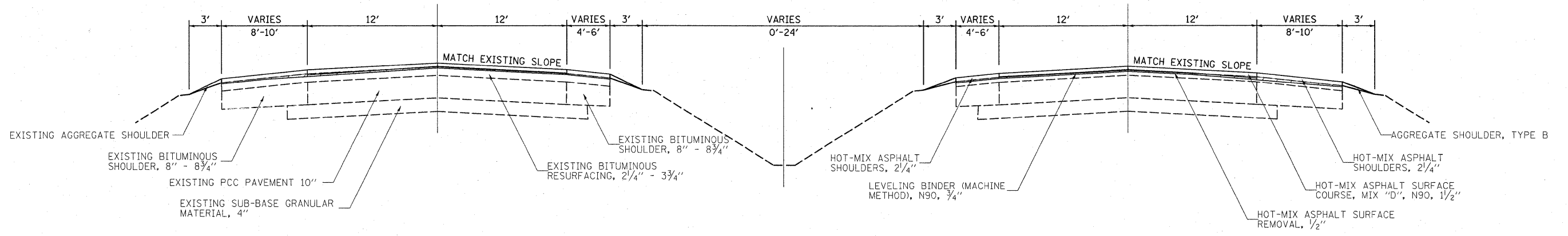
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000-24	X028-2A	SFTY2A
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	29224	29224		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1765	1765		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	88427	88427		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5702	5702		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1074	1074		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	574	574		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	4884	4884		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1013	1013		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	730	730		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	898	898		
78300100	PAVEMENT MARKING REMOVAL	SO FT	441	441		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	932	932		
* X7800600	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	SO FT	1765	1765		
* X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	88427	88427		
* X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	5702	5702		
* X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1074	1074		
* X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	574	574		
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	8			8
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	6			6
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	16			16
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	3	3		
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
* Z0054505	ROCK FILL - REPLACEMENT	TON	554		554	

*Specialty Items

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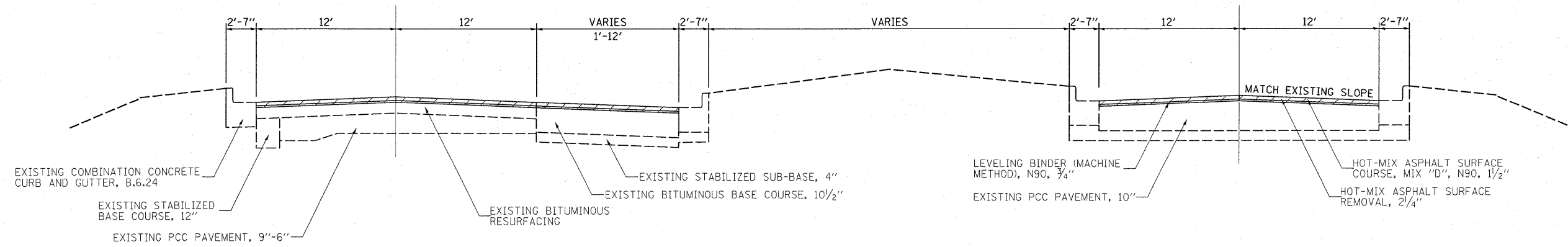


STA 1205+50 TO STA 1242+28.9
 STATION EQUATION
 STA 1242+28.9BK=72+19.1AH
 STA 72+19.1 TO 70+64

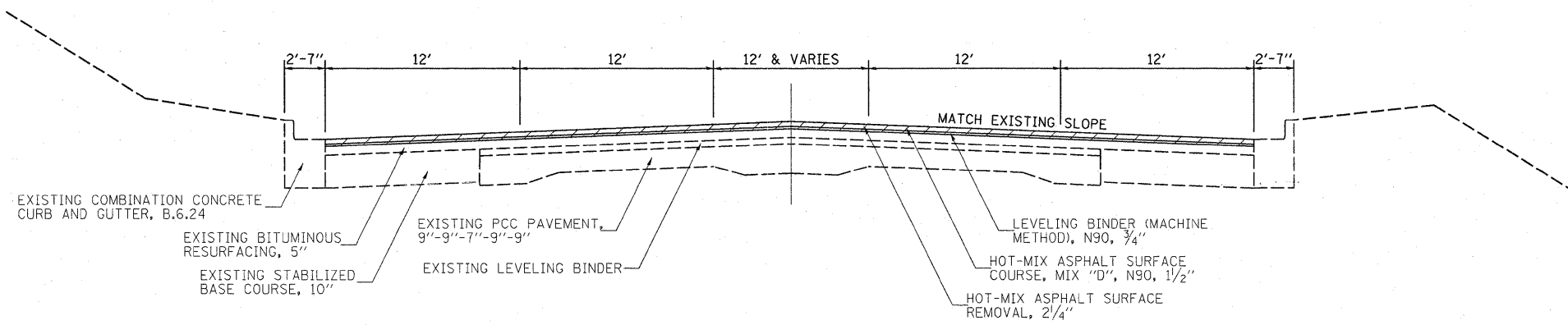


STA 70+64 TO 21+50
 STATION EQUATION
 STA 21+50BK=1292+98AH
 STA 1292+98 TO 1380+65

FILE NAME =	USER NAME = stafffermk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 74157				
PLOT DATE = 2/9/2009		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

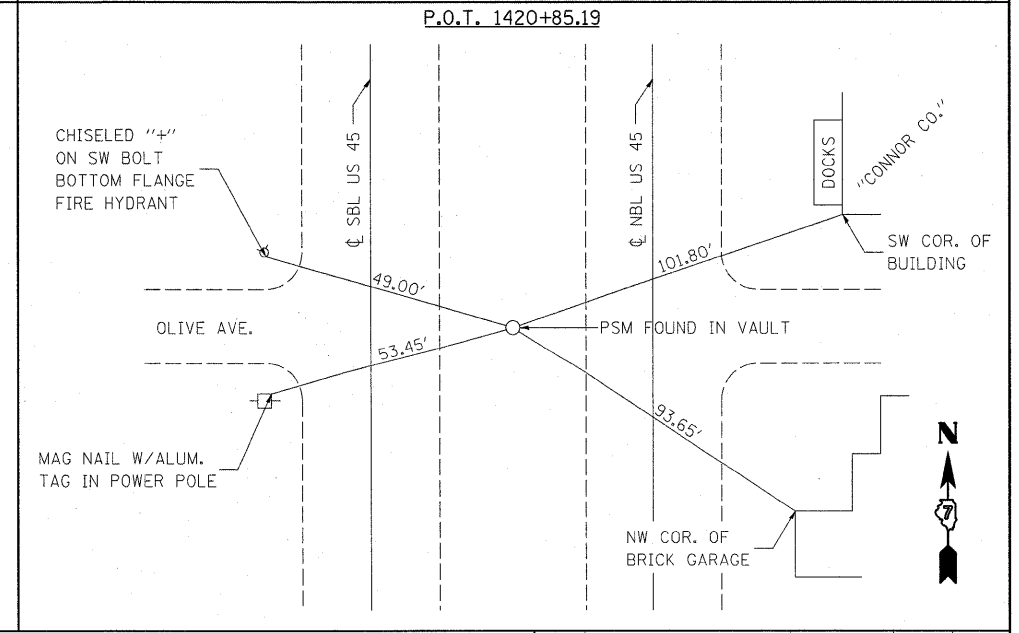
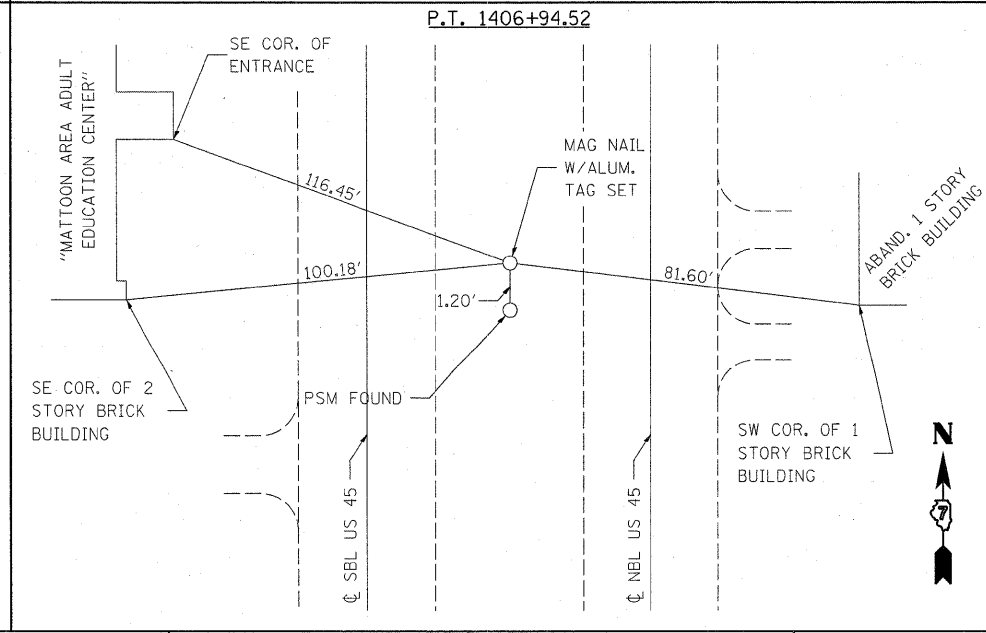
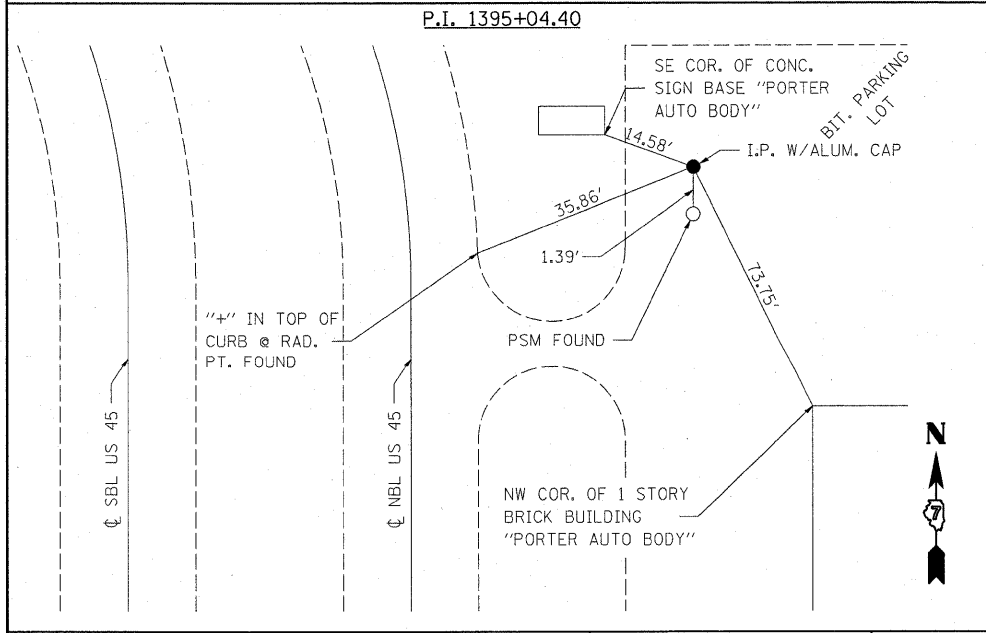
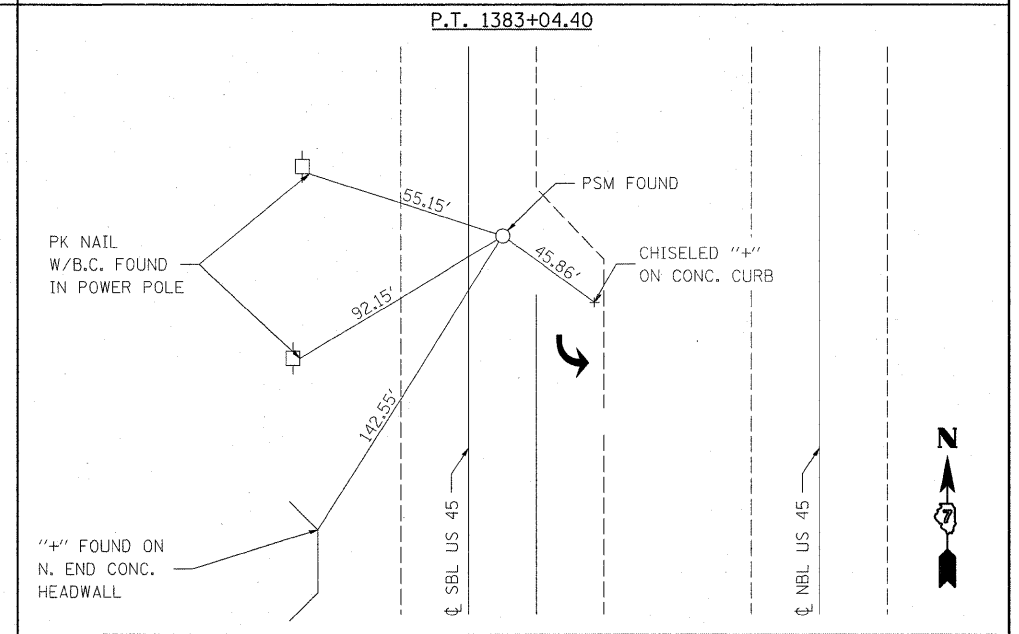
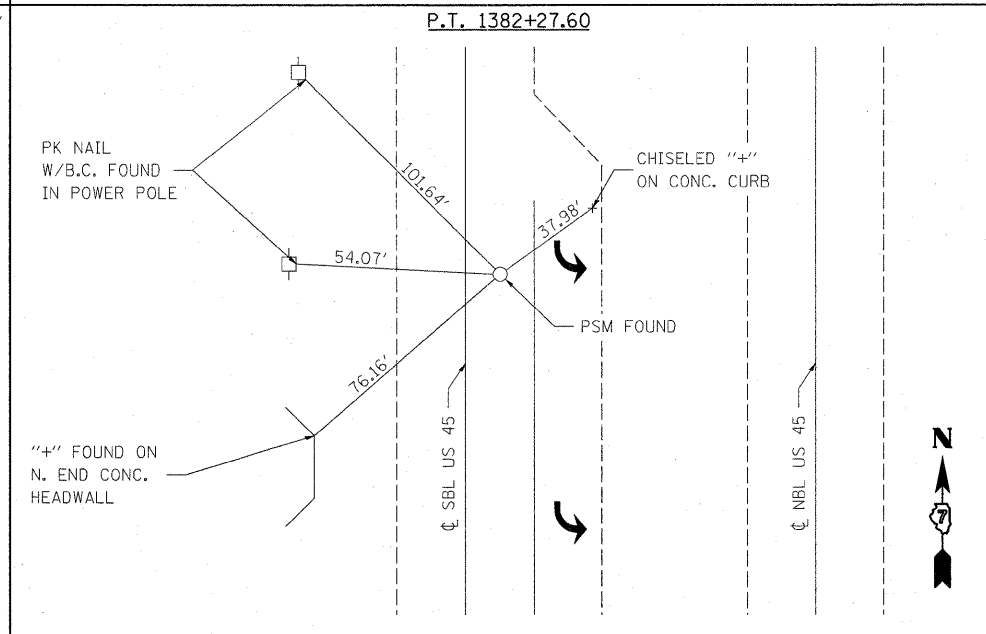
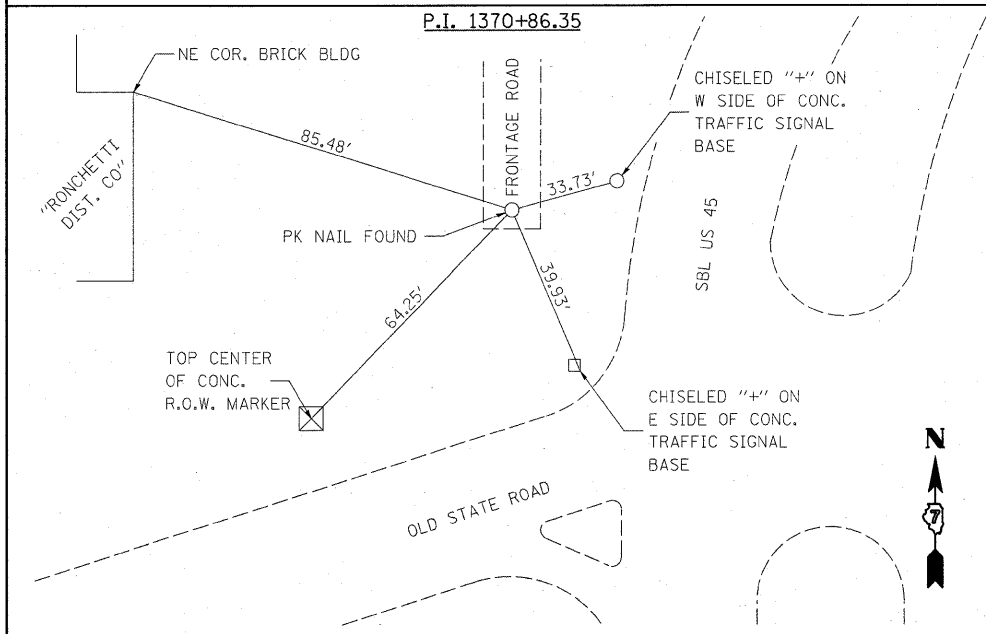
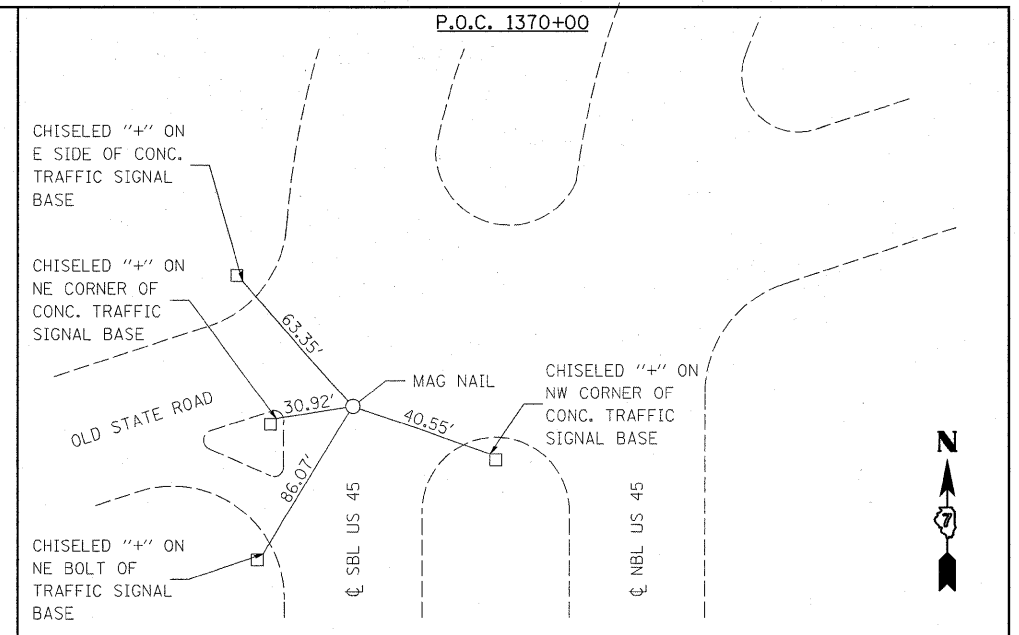
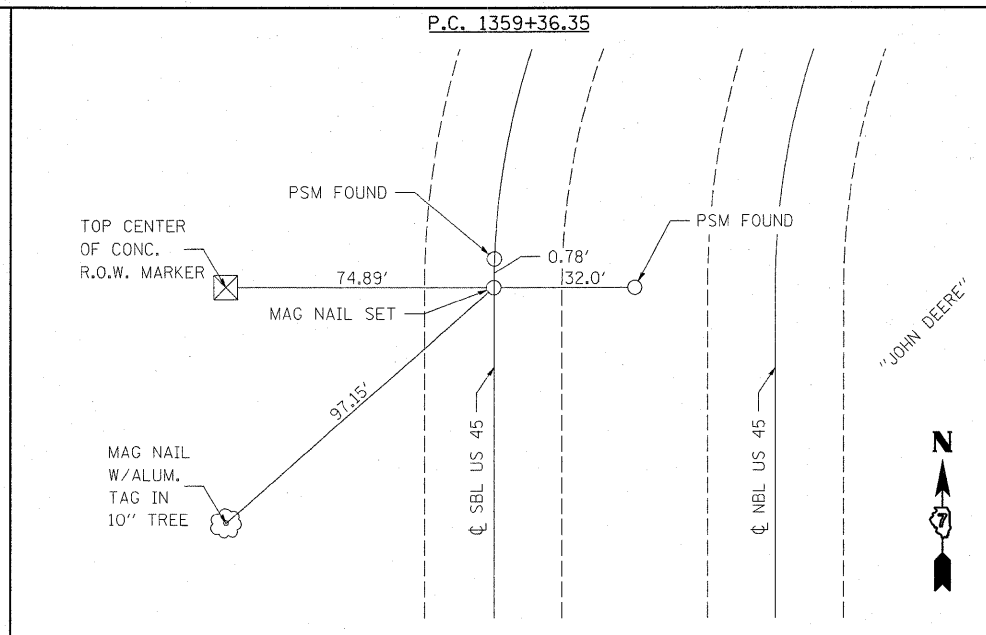
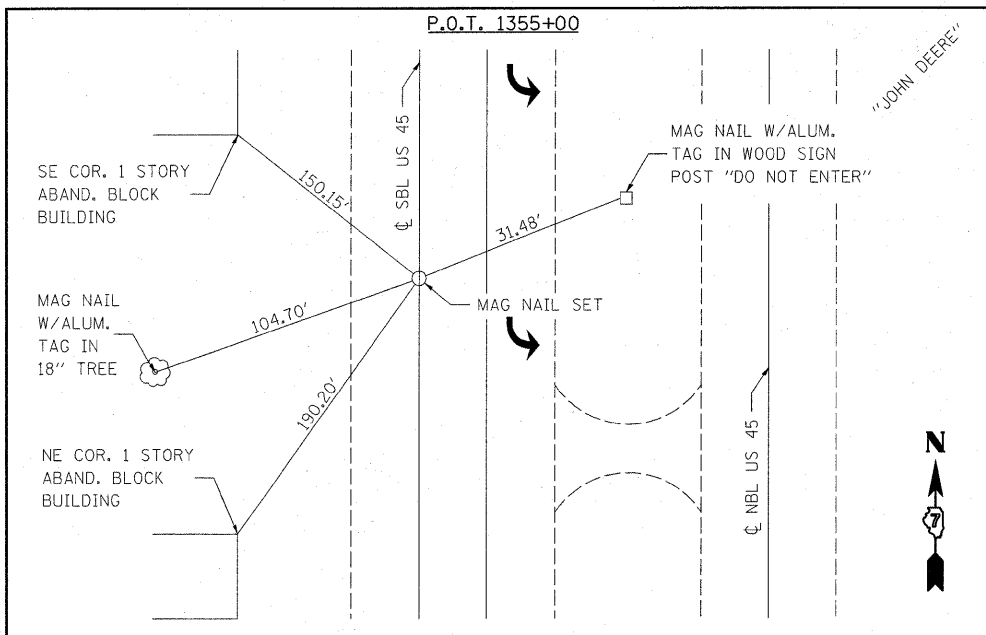


STA 1380+65 TO 1384+00



STA 1384+00 TO 1418+47

FILE NAME =	USER NAME = stafffermk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwid01\STEFFENMK\dms50699\sttgp_74157.dgn		DRAWN -	REVISED -					824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	8
PLOT SCALE = 50,0000 1/ IN.		CHECKED -	REVISED -		SCALE: N/A			CONTRACT NO. 74157				
PLOT DATE = 2/9/2009		DATE -	REVISED -		SHEET NO. 2 OF 2 SHEETS			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



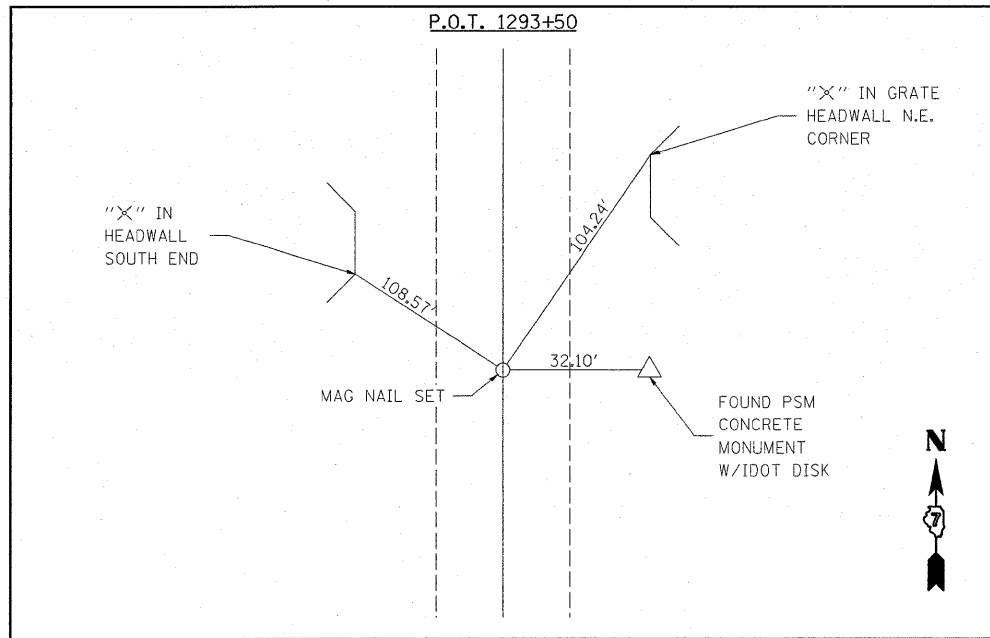
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/9/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARK INFORMATION

SCALE: N/A	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2.19X-2RS-1,19B,19BR	Coles	49	9
CONTRACT NO. 74157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FURNISHING AND INSTALLING PROPERTY MARKERS		
STATION	OFFSET	DESCRIPTION
1312+63	0.15' E. OF CL OF SBL	PK NAIL
28+32	12.4' W. OF CL OF SBL	PK NAIL
1232+63	0'	VAULT

BENCHMARK INFORMATION		
BENCHMARK	ELEVATION	DESCRIPTION
4257-6	736.94	IDOT MONUMENT 0.18 MI S. OF INTERSECTION OF OLD STATE ROAD AND ROUTE 45 IN THE MEDIAN. 32' E OF SOUTHBOUND LANES CENTERLINE.
4257-7	726.63	CHISLED "□" ON THE N.W. CORNER OF EAST HEADWALL OF SN015-2006 STA 1380+26, 141.23' RT

SOUTH END OF PROJECT
STA 1205+50

COUNTY ROAD 250N

ENTRANCES TO LAKE LAND COLLEGE

1200+00 1205+00 1210+00 1215+00 1220+00 1225+00 1230+00

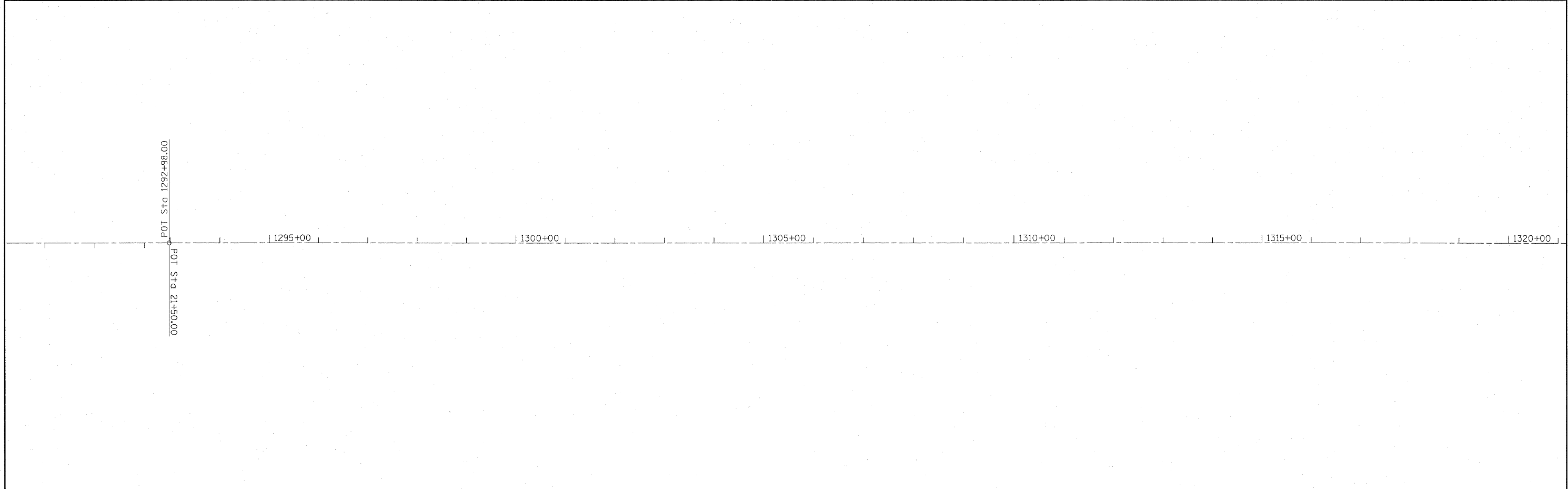
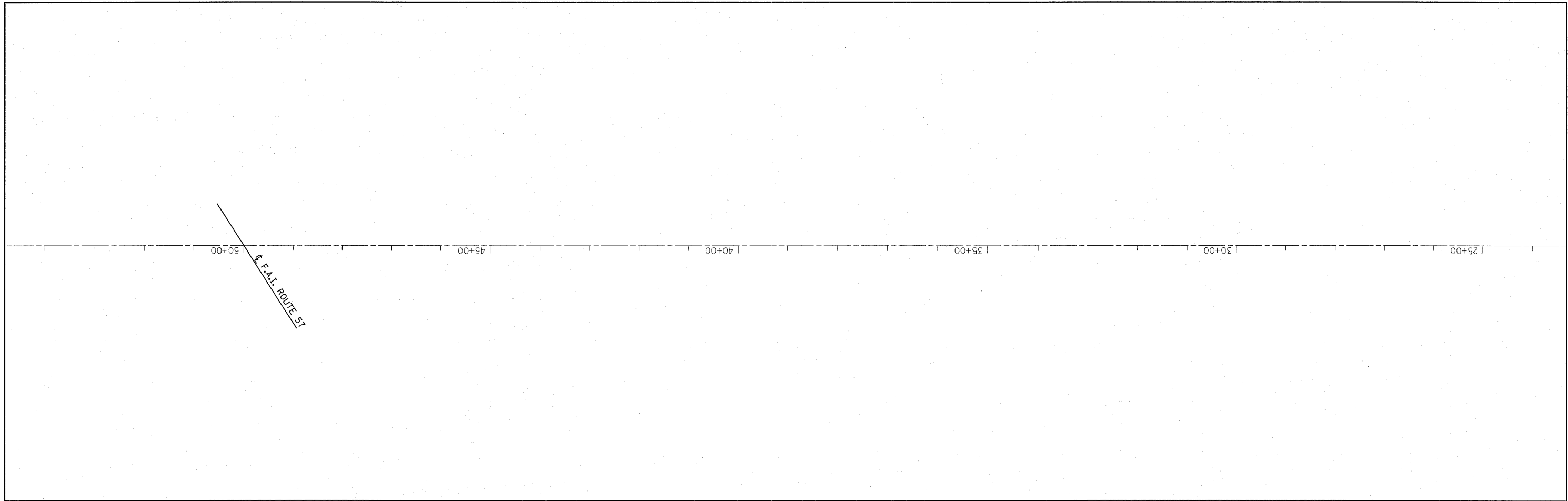
ENTRANCES TO LAKE LAND COLLEGE

1230+00 1235+00 1240+00 1245+00 1250+00 1255+00 1260+00 1265+00 1270+00 1275+00 1280+00 1285+00 1290+00 1295+00 1300+00

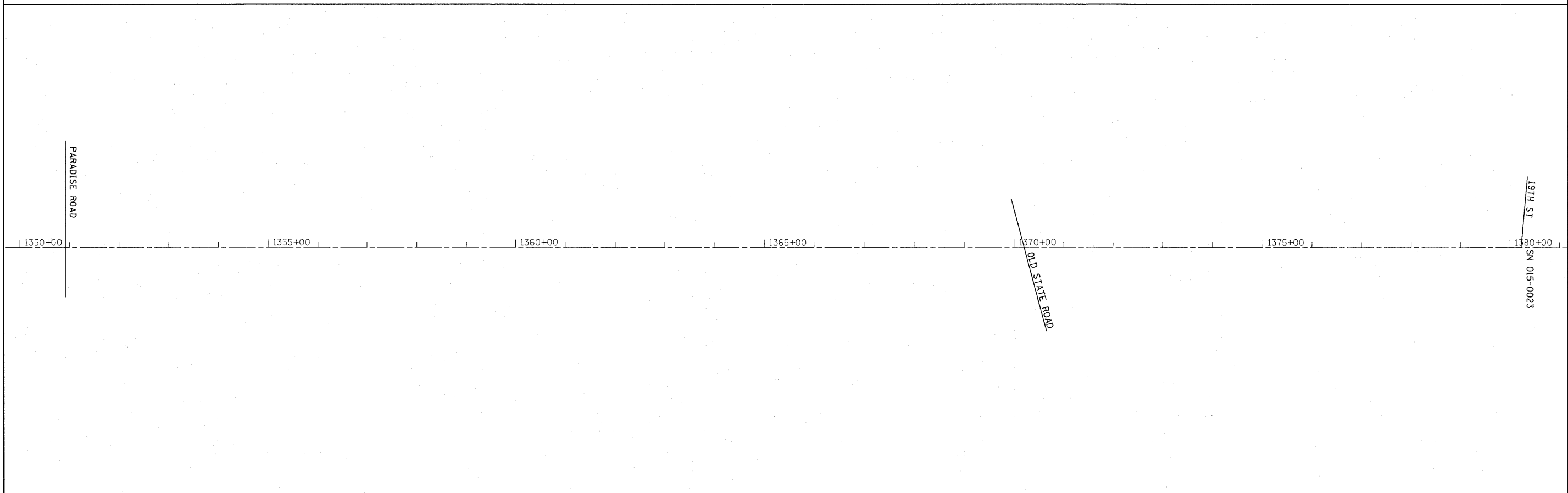
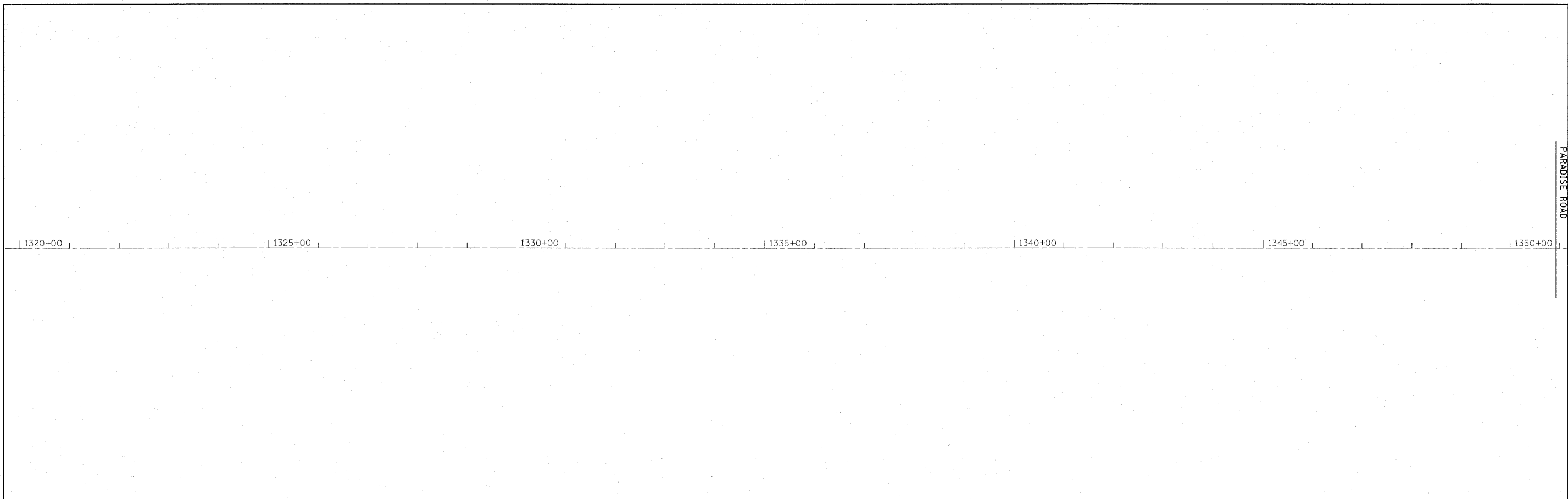
EQUATION:
Sta 1242+28.9 BK =
Sta 72+19.10 AH

2 LANE SECTION | 4 LANE SECTION

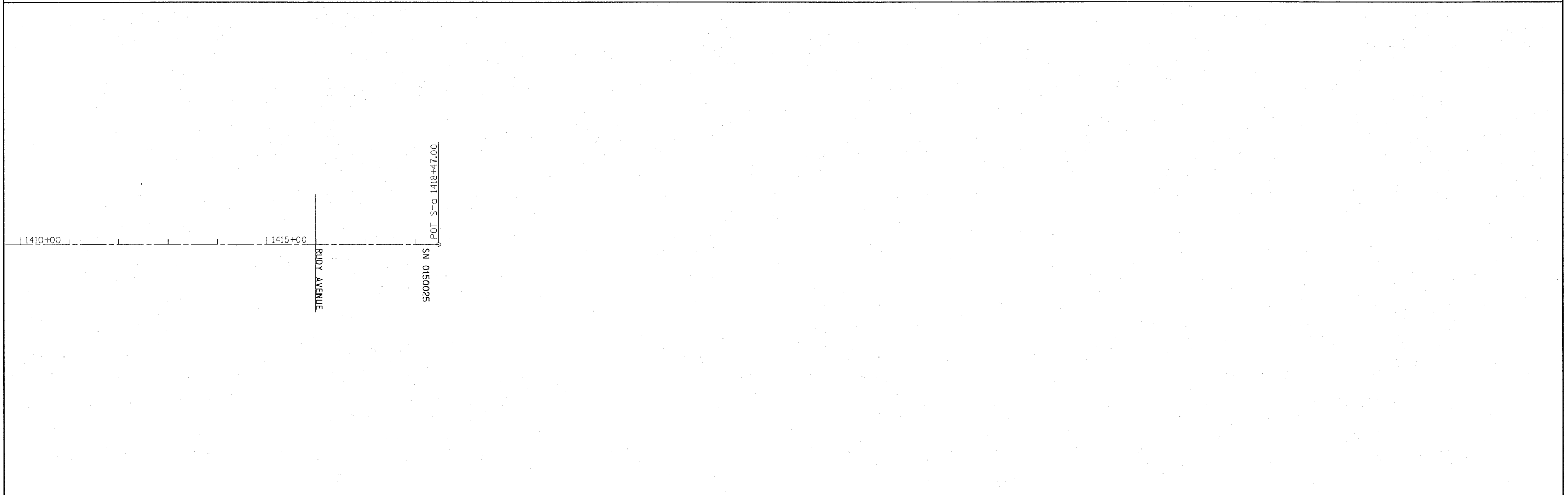
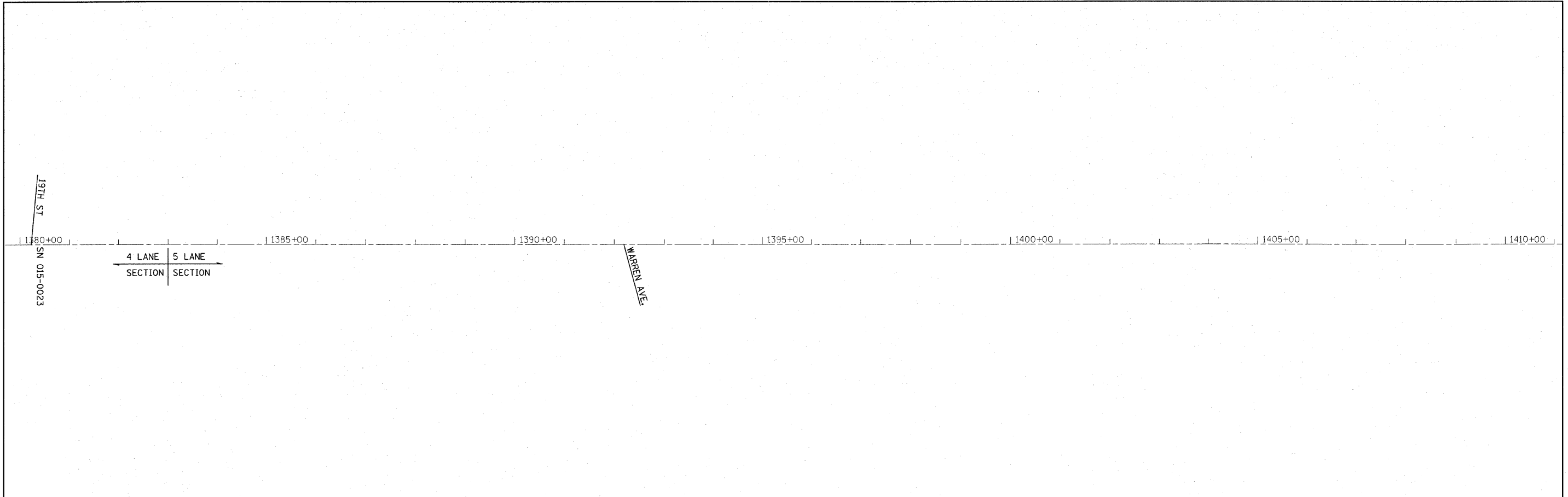
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PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 74157					
PLOT DATE = 2/9/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									



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	PLOT SCALE = 100.0000 ' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 74157	
	PLOT DATE = 2/9/2009	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



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		DRAWN -	REVISED -			824	(16-2)19X-2JRS-1,19B,19BR	Coles	49	13	
		CHECKED -	REVISED -			CONTRACT NO. 74157					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
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		PLOT DATE = 2/9/2009									



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	PLOT SCALE = 100.0000 ' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 74157		
	PLOT DATE = 2/9/2009	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

PAVING SCHEDULE

STATION TO STATION	LENGTH	PAVEMENT WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE COURSE, MIX "D", N90	LEVELING BINDER (MACHINE METHOD), N90	HOT-MIX ASPHALT SHOULDERS, 2 1/4	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 1/2	HMA SURFACE REMOVAL, 2 1/4	HMA SURFACE REMOVAL, VARIABLE DEPTH	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP (SPECIAL)	TEMPORARY RAMP
68+76.00 TO 67+21.00	155.0	32.0	551.1	55.1	1.1	34.7	17.4	137.8	-	551.1	-	-	10.5	-	-
67+21.00 TO 59+10.00	811.0	36.0	3244.0	324.4	6.5	181.7	90.8	1081.3	-	3244.0	-	-	54.7	-	-
59+10.00 TO 56+43.00	267.0	48.0	1424.0	142.4	2.8	89.7	44.9	356.0	-	1424.0	-	-	18.0	-	-
56+43.00 TO 55+80.00	63.0	88.0	616.0	61.6	1.2	51.7	25.9	-	185.0	616.0	-	-	4.3	-	51.4
55+80.00 TO 55+40.00	40.0	53.0	235.6	23.6	0.5	16.8	8.4	35.6	-	235.6	-	-	2.7	-	-
55+40.00 TO 46+04.00	936.0	36.0	3744.0	374.4	7.5	209.7	104.8	1248.0	-	3744.0	-	-	63.2	-	-
46+04.00 TO 44+90.00	114.0	48.0	608.0	60.8	1.2	38.3	19.2	152.0	-	608.0	-	-	7.7	-	-
44+90.00 TO 43+58.00	132.0	53.0	777.3	77.7	1.6	55.4	27.7	117.3	-	777.3	-	-	8.9	-	-
43+58.00 TO 43+10.00	48.0	59.0	314.7	31.5	0.6	24.6	12.3	21.3	150.0	314.7	-	-	3.2	-	41.7
43+10.00 TO 30+72.00	1238.0	36.0	4952.0	495.2	9.9	277.3	138.7	1650.7	-	4952.0	-	-	83.6	-	-
30+72.00 TO 28+70.00	202.0	48.0	1077.3	107.7	2.2	67.9	33.9	269.3	-	1077.3	-	-	13.6	-	-
28+70.00 TO 28+07.00	63.0	46.0	322.0	32.2	0.6	27.0	13.5	-	-	322.0	-	-	2.1	-	-
28+07.00 TO 21+50.00	657.0	36.0	2628.0	262.8	5.3	147.2	73.6	876.0	-	2628.0	-	-	34.7	-	-
1292+98.00 TO 1294+80.30	182.3	42.0	850.7	85.1	1.7	51.0	25.5	243.1	-	850.7	-	-	10.3	-	-
1294+80.30 TO 1296+80.30	200.0	50.0	1111.1	111.1	2.2	67.2	33.6	311.1	-	1111.1	-	-	13.5	-	-
1296+80.30 TO 1297+27.80	47.5	55.0	290.3	29.0	0.6	20.0	10.0	52.8	-	290.3	-	-	0.9	-	-
1297+27.80 TO 1308+01.50	1073.7	40.0	4772.0	477.2	9.5	240.5	120.3	1908.8	-	4772.0	-	-	72.5	-	-
1308+01.50 TO 1310+31.50	230.0	46.0	1175.6	117.6	2.4	64.4	32.2	408.9	-	1175.6	-	-	15.5	-	-
1310+31.50 TO 1312+31.50	200.0	52.0	1155.6	115.6	2.3	67.2	33.6	355.6	-	1155.6	-	-	13.5	-	-
1312+31.50 TO 1312+90.00	58.5	55.0	357.5	35.8	0.7	24.0	12.0	65.0	-	357.5	-	-	3.9	-	-
1312+90.00 TO 1321+62.30	872.3	40.0	3876.9	387.7	7.8	195.4	97.7	1550.8	-	3876.9	-	-	57.9	-	-
1321+62.30 TO 1323+92.30	230.0	46.0	1175.6	117.6	2.4	62.3	31.1	408.9	-	1175.6	-	-	15.5	-	-
1323+92.30 TO 1325+93.30	201.0	52.0	1161.3	116.1	2.3	67.5	33.8	357.3	-	1161.3	-	-	12.6	-	-
1325+93.30 TO 1326+50.00	56.7	55.0	346.5	34.7	0.7	23.3	11.6	63.0	-	346.5	-	-	3.8	-	-
1326+50.00 TO 1334+75.50	825.5	40.0	3668.9	366.9	7.3	184.9	92.5	1467.6	-	3668.9	-	-	55.7	-	-
1334+75.50 TO 1337+05.50	230.0	46.0	1175.6	117.6	2.4	64.4	32.2	408.9	-	1175.6	-	-	15.5	-	-
1337+05.50 TO 1339+05.00	199.5	52.0	1152.7	115.3	2.3	67.0	33.5	354.7	-	1152.7	-	-	12.3	-	-
1339+05.00 TO 1339+62.00	57.0	54.0	342.0	34.2	0.7	23.9	12.0	63.3	-	342.0	-	-	2.9	-	-
1339+62.00 TO 1349+49.50	987.5	40.0	4388.9	438.9	8.8	221.2	110.6	1755.6	-	4388.9	-	-	66.7	-	-
1349+49.50 TO 1351+79.50	230.0	45.0	1150.0	115.0	2.3	64.4	32.2	408.9	-	1150.0	-	-	15.5	-	-
1351+79.50 TO 1353+79.50	200.0	50.0	1111.1	111.1	2.2	67.2	33.6	355.6	-	1111.1	-	-	13.5	-	-
1353+79.50 TO 1354+42.50	63.0	44.0	308.0	30.8	0.6	26.5	13.2	70.0	-	308.0	-	-	2.0	-	-
1354+42.50 TO 1366+01.00	1158.5	40.0	5148.9	514.9	10.3	259.5	129.8	2059.6	-	5148.9	-	-	73.4	-	-
1366+01.00 TO 1366+98.00	97.0	46.0	495.8	49.6	1.0	27.2	13.6	172.4	-	495.8	-	-	6.5	-	-
1366+98.00 TO 1369+78.00	280.0	52.0	1617.8	161.8	3.2	94.1	47.0	497.8	-	1617.8	-	-	18.9	-	-
1369+78.00 TO 1370+08.00	30.0	65.0	216.7	21.7	0.4	13.7	6.9	53.3	-	216.7	-	-	2.0	-	-
1370+08.00 TO 1370+98.00	90.0	100.0	1000.0	100.0	2.0	79.0	39.5	73.3	-	1000.0	-	-	6.1	-	-
1370+98.00 TO 1371+31.00	33.0	137.0	502.3	50.2	1.0	38.5	19.3	113.3	-	502.3	-	-	2.2	-	-
1371+31.00 TO 1371+85.00	54.0	63.0	378.0	37.8	0.8	25.7	12.9	84.0	175.0	378.0	-	-	3.6	-	48.6
1371+85.00 TO 1375+89.00	404.0	40.0	1795.6	179.6	3.6	90.5	45.2	718.2	-	1795.6	-	-	27.3	-	-
1375+89.00 TO 1378+00.00	211.0	46.0	1078.4	107.8	2.2	59.1	29.5	375.1	-	1078.4	-	-	13.1	-	-
1378+00.00 TO 1379+14.00	114.0	52.0	658.7	65.9	1.3	38.3	19.2	202.7	-	658.7	-	-	7.7	-	-
1379+14.00 TO 1379+59.00	45.0	52.0	260.0	26.0	0.5	15.1	7.6	80.0	-	-	-	260	3.0	-	-
1379+59.00 TO 1380+30.00	71.0	52.0	410.2	34.2	0.7	18.1	9.1	126.2	-	-	342.1	-	4.8	-	-
1380+30.00 TO 1380+97.00	67.0	57.5	428.1	9.1	0.2	7.7	3.8	0.0	-	-	91.3	-	4.5	-	46.9
1380+97.00 TO 1381+20.30	23.3	47.5	123.0	8.6	0.2	7.2	3.6	0.0	-	-	86.1	-	1.6	-	-
1381+20.30 TO 1383+92.00	271.7	24.0	724.5	72.5	1.4	60.9	30.4	0.0	-	-	724.5	-	-	-	24.0
TOTALS	13820	-	64902	6446	129	3659	1829	21111	510	62956	1244	260	886	0	213

PAVING SCHEDULE

STATION TO STATION	LENGTH	PAVEMENT WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE COURSE, MIX "D", N90	LEVELING BINDER (MACHINE METHOD), N90	HOT-MIX ASPHALT SHOULDERS, 2 1/4	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 1/2	HMA SURFACE REMOVAL, 2 1/4	HMA SURFACE REMOVAL, VARIABLE DEPTH	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP (SPECIAL)	TEMPORARY RAMP
68+76.00 TO 67+21.00	155.0	26.5	456.4	45.6	0.9	38.3	19.2	-	-	456.4	-	-	10.5	-	-
67+21.00 TO 56+95.00	1026.0	36.0	4104.0	410.4	8.2	229.8	114.9	1368.0	-	4104.0	-	-	69.3	-	-
56+95.00 TO 56+38.00	57.0	75.0	475.0	47.5	1.0	29.3	14.6	25.3	150.0	475.0	-	-	3.8	-	41.7
56+38.00 TO 55+13.00	125.0	53.0	736.1	73.6	1.5	52.5	26.3	111.1	-	736.1	-	-	8.4	-	-
55+13.00 TO 53+95.00	118.0	48.0	629.3	62.9	1.3	39.6	19.8	157.3	-	629.3	-	-	8.0	-	-
53+95.00 TO 44+57.00	938.0	36.0	3752.0	375.2	7.5	210.1	105.1	1250.7	-	3752.0	-	-	63.3	-	-
44+57.00 TO 44+21.00	36.0	53.0	212.0	21.2	0.4	15.1	7.6	32.0	-	212.0	-	-	2.4	-	-
44+21.00 TO 43+57.00	64.0	88.0	625.8	62.6	1.3	52.6	26.3	-	180.0	625.8	-	-	4.3	-	50.0
43+57.00 TO 40+90.00	267.0	48.0	1424.0	142.4	2.8	89.7	44.9	356.0	-	1424.0	-	-	18.0	-	-
40+90.00 TO 28+77.00	1213.0	36.0	4852.0	485.2	9.7	271.7	135.9	1617.3	-	4852.0	-	-	81.9	-	-
28+77.00 TO 28+00.00	77.0	45.0	385.0	38.5	0.8	32.3	16.2	-	-	385.0	-	-	0.8	-	-
28+00.00 TO 26+05.00	195.0	48.0	1040.0	104.0	2.1	65.5	32.8	260.0	-	1040.0	-	-	13.2	-	-
26+05.00 TO 24+78.00	127.0	42.0	592.7	59.3	1.2	35.6	17.8	169.3	-	592.7	-	-	4.6	-	-
24+78.00 TO 21+50.00	328.0	36.0	1312.0	131.2	2.6	73.5	36.7	437.3	-	1312.0	-	-	18.5	-	-
1292+98.00 TO 1296+10.00	312.0	36.0	1248.0	124.8	2.5	69.9	34.9	416.0	-	1248.0	-	-	21.1	-	-
1296+10.00 TO 1296+65.00	55.0	40.0	244.4	24.4	0.5	12.3	6.2	97.8	-	244.4	-	-	3.7	-	-
1296+65.00 TO 1297+24.50	59.5	55.0	363.6	36.4	0.7	25.0	12.5	66.1	-	363.6	-	-	3.1	-	-
1297+24.50 TO 1299+24.50	200.0	50.0	1111.1	111.1	2.2	67.2	33.6	355.6	-	1111.1	-	-	13.5	-	-
1299+24.50 TO 1301+15.00	190.5	46.0	973.7	97.4	1.9	53.3	26.7	338.7	-	973.7	-	-	12.9	-	-
1301+15.00 TO 1312+10.00	1095.0	40.0	4866.7	486.7	9.7	245.3	122.6	1946.7	-	4866.7	-	-	73.9	-	-
1312+10.00 TO 1312+75.60	65.6	55.0	400.9	40.1	0.8	27.6	13.8	72.9	-	400.9	-	-	2.2	-	-
1312+75.60 TO 1314+75.60	200.0	52.0	1155.6	115.6	2.3	67.2	33.6	355.6	-	1155.6	-	-	10.9	-	-
1314+75.60 TO 1316+65.00	189.4	49.0	1031.2	103.1	2.1	53.0	26.5	336.7	-	1031.2	-	-	12.8	-	-
1316+65.00 TO 1325+76.00	911.0	40.0	4048.9	404.9	8.1	204.1	102.0	1619.6	-	4048.9	-	-	54.5	-	-
1325+76.00 TO 1326+36.60	60.6	55.0	370.3	37.0	0.7	25.5	12.7	67.3	-	370.3	-	-	4.1	-	-
1326+36.60 TO 1328+56.60	220.0	52.0	1271.1	127.1	2.5	73.9	37.0	391.1	-	1271.1	-	-	14.9	-	-
1328+56.60 TO 1330+26.00	169.4	46.0	865.8	86.6	1.7	47.4	23.7	301.2	-	865.8	-	-	11.4	-	-
1330+26.00 TO 1338+80.00	854.0	40.0	3795.6	379.6	7.6	191.3	95.6	1518.2	-	3795.6	-	-	55.7	-	-
1338+80.00 TO 1339+49.50	69.5	55.0	424.7	42.5	0.8	29.2	14.6	77.2	-	424.7	-	-	3.8	-	-
1339+49.50 TO 1341+49.50	200.0	52.0	1155.6	115.6	2.3	67.2	33.6	355.6	-	1155.6	-	-	12.3	-	-
1341+49.50 TO 1343+40.00	190.5	46.0	973.7	97.4	1.9	53.3	26.7	338.7	-	973.7	-	-	12.9	-	-
1343+40.00 TO 1353+56.00	1016.0	40.0	4515.6	451.6	9.0	227.6	113.8	1806.2	-	4515.6	-	-	68.6	-	-
1353+56.00 TO 1354+24.50	68.5	55.0	418.6	41.9	0.8	28.8	14.4	76.1	-	418.6	-	-	2.6	-	-
1354+24.50 TO 1356+24.50	200.0	52.0	1155.6	115.6	2.3	67.2	33.6	355.6	-	1155.6	-	-	12.1	-	-
1356+24.50 TO 1358+18.00	193.5	46.0	989.0	98.9	2.0	54.2	27.1	344.0	-	989.0	-	-	12.2	-	-
1358+18.00 TO 1368+81.00	1063.0	40.0	4724.4	472.4	9.4	238.1	119.1	1889.8	-	4724.4	-	-	70.5	-	-
1368+81.00 TO 1369+56.00	75.0	59.0	491.7	49.2	1.0	32.9	16.5	106.7	-	491.7	-	-	5.1	-	-
1369+56.00 TO 1369+98.00	42.0	143.0	667.3	66.7	1.3	53.7	26.9	101.3	225.0	667.3	-	-	2.8	-	62.5
1369+98.00 TO 1370+62.00	64.0	100.0	711.1	71.1	1.4	56.1	28.1	65.3	-	711.1	-	-	4.3	-	-
1370+62.00 TO 1371+17.00	55.0	65.0	397.2	39.7	0.8	25.2	12.6	97.8	-	397.2	-	-	3.7	-	-
1371+17.00 TO 1373+98.00	281.0	52.0	1623.6	162.4	3.2	94.4	47.2	499.6	-	1623.6	-	-	19.0	-	-
1373+98.00 TO 1375+50.00	152.0	46.0	776.9	77.7	1.6	42.6	21.3	270.2	-	776.9	-	-	10.3	-	-
1375+50.00 TO 1379+14.00	364.0	40.0	1617.8	161.8	3.2	81.5	40.8	647.1	-	1617.8	-	-	27.6	-	-
1379+14.00 TO 1379+59.00	45.0	40.0	200.0	20.0	0.4	10.1	5.0	80.0	-	-	-	200.0	-	-	-
1379+59.00 TO 1380+19.00	60.0	55.0	366.7	36.7	0.7	24.1	12.0	84.0	-	-	366.7	-	-	-	-
1380+19.00 TO 1381+15.00	96.0	78.0	832.0	83.2	1.3	54.4	27.2	0.0	-	-	647.1	-	-	-	174.5
1381+15.00 TO 1381+89.00	74.0	52.0	427.6	42.8	0.6	25.3	12.7	0.0	-	-	261.0	-	-	-	26.0
1381+89.00 TO 1382+62.00	73.0	36.0	292.0	29.2	0.6	24.5	12.3	0.0	-	-	292.0	-	-	-	-
1382+62.00 TO 1383+92.00	130.0	30.0	433.3	43.3	0.9	36.4	18.2	0.0	-	-	433.3	-	-	-	-
TOTALS	13820	2509	65537	6523	130	3726	1863	20863	555	62986	2000	200	869	0	355

PAVING SCHEDULE

STATION TO STATION	LENGTH	PAVEMENT WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE COURSE, MIX "D", N90	LEVELING BINDER (MACHINE METHOD), N90	HOT-MIX ASPHALT SHOULDERS, 2 1/4	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 1/2	HMA SURFACE REMOVAL, 2 1/4	HMA SURFACE REMOVAL, VARIABLE DEPTH	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP (SPECIAL)	TEMPORARY RAMP
	FEET	FEET	SQ YD	GALLON	TON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD
1205+50.00 TO 1218+55.00	1305.0	27.0	3915.0	391.5	7.8	328.9	164.4	-	135.0	3915.0	-	-	84.9	-	37.5
1218+55.00 TO 1226+95.00	840.0	39.0	3640.0	364.0	7.3	305.8	152.9	-	-	3640.0	-	-	55.9	-	-
1226+95.00 TO 1242+28.90	1533.9	51.0	8692.1	869.2	17.4	730.1	365.1	-	-	8692.1	-	-	89.0	-	-
72+19.10 TO 68+76.00	343.1	54.5	2077.7	207.8	4.2	174.5	83.3	305.0	-	2077.7	-	-	23.2	-	-
1383+92.00 TO 1387+00.00	308.0	69.0	2361.3	236.1	4.7	198.4	99.2	-	-	-	2361.3	-	-	132.0	-
1387+00.00 TO 1415+40.00	2840.0	60.0	18933.3	1893.3	37.9	1590.4	795.2	-	-	-	18933.3	-	-	918.2	-
1415+40.00 TO 1415+67.00	27.0	99.0	297.0	29.7	0.6	24.9	12.5	-	-	-	297.0	-	-	-	-
1415+67.00 TO 1416+16.00	49.0	145.0	789.4	78.9	1.6	66.3	33.2	-	-	-	789.4	-	-	-	118.1
1416+16.00 TO 1416+47.00	31.0	98.0	337.6	33.8	0.7	28.4	14.2	-	-	-	337.6	-	-	-	-
1416+47.00 TO 1418+04.00	157.0	60.0	1046.7	104.7	2.1	87.9	44.2	-	-	-	1053.3	-	-	87.1	83.3
1418+04.00 TO 1418+26.00	22.0	64.0	156.4	-	-	35.0	-	-	-	-	-	-	-	-	-
1418+26.00 TO 1418+47.00	21.0	60.0	140.0	14.7	0.3	11.8	6.2	-	-	-	146.7	-	-	-	166.7
TOTALS	7477	-	42387	4224	85	3582	1770	305	135	18325	23919	0	253	1137	405

PAVEMENT MARKING SCHEDULE

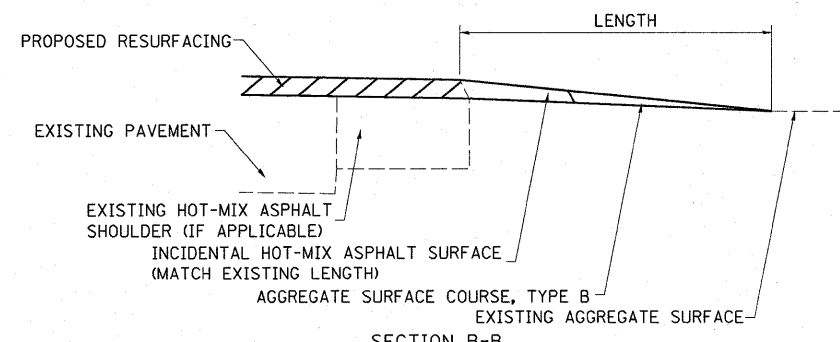
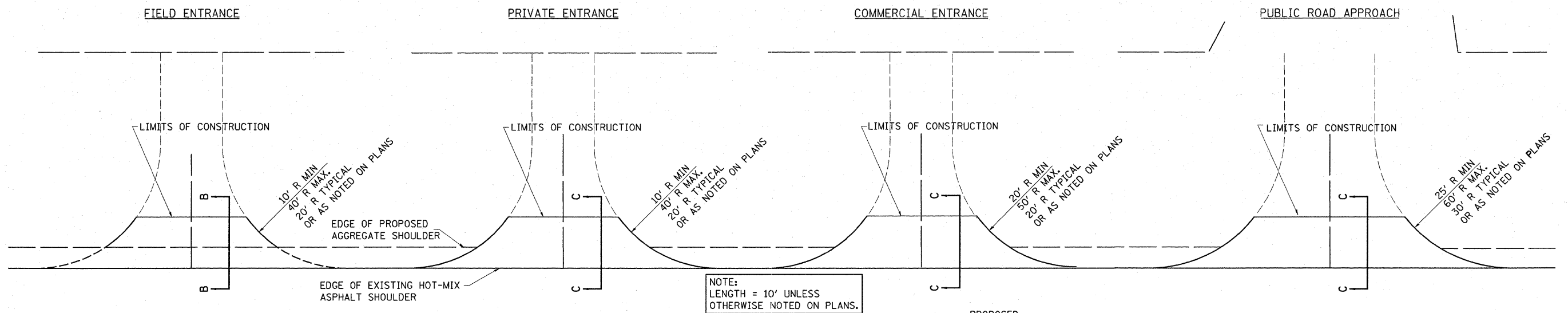
STATION TO STATION	LENGTH	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	URETHANE PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 4"	URETHANE PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 6"	URETHANE PAVEMENT MARKING - LINE 12"	TEMPORARY PAVEMENT MARKING - LINE 12"	URETHANE PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LINE 24"	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER
		FEET	FT	SQ FT	FT	FT	FT	FT	FT	FT	FT	SQ FT	SQ FT	EACH
68+76.00 TO 67+21.00	155.0	86.8	7.2	348.8	348.8	-	-	-	-	-	-	-	-	5.8
67+21.00 TO 59+10.00	811.0	583.9	48.7	1824.8	1824.8	-	-	-	-	-	-	-	-	10.1
59+10.00 TO 56+43.00	267.0	296.2	24.7	612.8	612.8	260.0	260.0	-	-	-	-	46.8	46.8	9.8
56+43.00 TO 55+80.00	63.0	35.3	2.9	141.8	141.8	-	-	-	-	14.0	14.0	-	-	0.8
55+80.00 TO 55+40.00	40.0	28.8	2.4	90.0	90.0	-	-	51.0	51.0	-	-	-	-	0.5
55+40.00 TO 46+04.00	936.0	673.9	56.2	2106.0	2106.0	-	-	-	-	-	-	-	-	11.7
46+04.00 TO 44+90.00	114.0	172.5	14.4	256.5	256.5	148.0	148.0	5.0	5.0	-	-	31.2	31.2	4.3
44+90.00 TO 43+58.00	132.0	73.9	6.2	165.0	165.0	-	-	31.0	31.0	-	-	15.6	15.6	4.5
43+58.00 TO 43+10.00	48.0	34.6	2.9	116.0	116.0	-	-	-	-	39.0	39.0	-	-	0.6
43+10.00 TO 30+72.00	1238.0	891.4	74.3	2785.5	2785.5	-	-	-	-	-	-	-	-	15.5
30+72.00 TO 28+70.00	202.0	225.0	18.8	454.5	454.5	199.0	199.0	-	-	65.0	65.0	46.8	46.8	7.5
28+70.00 TO 28+07.00	63.0	35.3	2.9	-	-	-	-	-	-	29.0	29.0	-	-	-
28+07.00 TO 21+50.00	657.0	473.0	39.4	1478.3	1478.3	-	-	-	-	-	-	-	-	8.2
1292+98.00 TO 1294+80.30	182.3	131.3	10.9	410.2	410.2	-	-	-	-	-	-	-	-	2.3
1294+80.30 TO 1296+80.30	200.0	224.0	18.7	450.0	450.0	200.0	200.0	-	-	-	-	46.8	46.8	7.5
1296+80.30 TO 1297+27.80	47.5	26.6	2.2	67.4	67.4	-	-	-	-	-	-	-	-	0.6
1297+27.80 TO 1308+01.50	1073.7	773.1	64.4	2415.8	2415.8	-	-	-	-	-	-	-	-	13.4
1308+01.50 TO 1310+31.50	230.0	165.6	13.8	517.5	517.5	-	-	-	-	-	-	-	-	2.9
1310+31.50 TO 1312+31.50	200.0	224.0	18.7	450.0	450.0	200.0	200.0	-	-	-	-	46.8	46.8	7.5
1312+31.50 TO 1312+90.00	58.5	32.8	2.7	87.5	87.5	-	-	-	-	-	-	-	-	0.7
1312+90.00 TO 1321+62.30	872.3	628.1	52.3	1962.7	1962.7	-	-	-	-	-	-	-	-	10.9
1321+62.30 TO 1323+92.30	230.0	165.6	13.8	517.5	517.5	-	-	-	-	-	-	-	-	2.9
1323+92.30 TO 1325+93.30	201.0	225.1	18.8	452.3	452.3	197.7	197.7	-	-	-	-	46.8	46.8	7.5
1325+93.30 TO 1326+50.00	56.7	31.8	2.6	77.5	77.5	-	-	-	-	-	-	-	-	0.7
1326+50.00 TO 1334+75.50	825.5	594.4	49.5	1857.4	1857.4	-	-	-	-	-	-	-	-	10.3
1334+75.50 TO 1337+05.50	230.0	165.6	13.8	517.5	517.5	-	-	-	-	-	-	-	-	2.9
1337+05.50 TO 1339+05.00	199.5	223.4	18.6	448.9	448.9	195.5	195.5	-	-	-	-	31.2	31.2	7.5
1339+05.00 TO 1339+62.00	57.0	31.9	2.7	83.8	83.8	-	-	-	-	-	-	-	-	0.7
1339+62.00 TO 1349+49.50	987.5	711.0	59.3	2221.9	2221.9	-	-	-	-	-	-	-	-	12.3
1349+49.50 TO 1351+79.50	230.0	165.6	13.8	517.5	517.5	-	-	-	-	-	-	-	-	2.9
1351+79.50 TO 1353+79.50	200.0	224.0	18.7	450.0	450.0	200.0	200.0	-	-	-	-	46.8	46.8	7.5
1353+79.50 TO 1354+42.50	63.0	35.3	2.9	96.8	96.8	-	-	-	-	-	-	-	-	0.8
1354+42.50 TO 1366+01.00	1158.5	834.1	174.2	2606.6	2606.6	-	-	-	-	-	-	-	-	14.5
1366+01.00 TO 1366+98.00	97.0	69.8	70.8	218.3	218.3	-	-	-	-	-	-	-	-	1.2
1366+98.00 TO 1369+78.00	280.0	294.0	211.2	630.0	630.0	231.0	231.0	-	-	-	-	115.5	115.5	9.3
1369+78.00 TO 1370+08.00	30.0	33.6	12.1	59.5	59.5	30.0	30.0	-	-	55.0	55.0	-	-	0.4
1370+08.00 TO 1370+98.00	90.0	15.2	1.3	243.0	243.0	-	-	33.0	33.0	12.0	12.0	26.0	26.0	1.1
1370+98.00 TO 1371+31.00	33.0	57.3	15.1	415.3	415.3	-	-	124.0	124.0	18.0	18.0	15.6	15.6	0.4
1371+31.00 TO 1371+85.00	54.0	30.2	21.2	243.5	243.5	-	-	-	-	-	-	-	-	0.7
1371+85.00 TO 1375+89.00	404.0	290.9	293.9	909.0	909.0	-	-	-	-	-	-	-	-	5.1
1375+89.00 TO 1378+00.00	211.0	151.9	208.0	474.8	474.8	-	-	-	-	-	-	-	-	2.6
1378+00.00 TO 1379+14.00	114.0	127.7	125.0	256.5	256.5	240.0	240.0	-	-	-	-	31.2	31.2	4.3
1379+14.00 TO 1379+59.00	45.0	50.4	49.5	101.3	101.3	126.0	126.0	-	-	-	-	15.6	15.6	1.7
1379+59.00 TO 1380+30.00	71.0	79.5	78.0	159.8	159.8	81.0	81.0	-	-	15.0	15.0	15.6	15.6	2.7
1380+30.00 TO 1380+97.00	67.0	37.5	70.5	83.8	83.8	-	-	-	-	20.0	20.0	-	-	0.8
1380+97.00 TO 1381+20.30	23.3	16.8	25.1	29.1	29.1	-	-	-	-	-	-	-	-	0.3
1381+20.30 TO 1383+92.00	271.7	195.6	103.0	67.9	67.9	-	-	-	-	-	-	-	-	3.4
TOTALS	13820	10674	2158	30480	30480	2308	2308	244	244	267	267	578	578	230

FILE NAME = c:\pwork\p\1001\STEFFENK\dms50699\	USER NAME = staffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SCHEDULE RIGHT SECTION (NB)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	tsch.74157.dgn	DRAWN -	REVISED -			824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	19	
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74157					
	PLOT DATE = 2/9/2009	DATE -	REVISED -			SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		

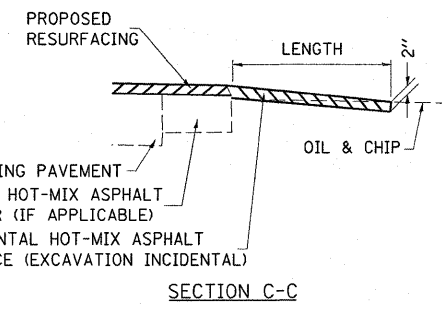
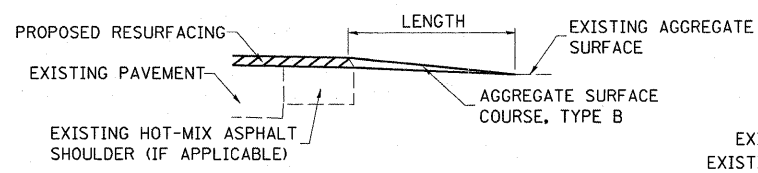
PAVEMENT MARKING SCHEDULE

STATION TO STATION	LENGTH	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	URETHANE PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 4"	URETHANE PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 6"	URETHANE PAVEMENT MARKING - LINE 12"	TEMPORARY PAVEMENT MARKING - LINE 12"	URETHANE PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LINE 24"	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER
		FT	SQ FT	FT	FT	FT	FT	FT	FT	FT	FT	SQ FT	SQ FT	EACH
1205+50.00 TO 1218+55.00	1305.0	522.0	43.5	3472.3	3472.3	-	-	-	-	-	-	-	-	20.8
1218+55.00 TO 1226+95.00	840.0	336.0	28.0	4870.0	4870.0	-	-	187.0	187.0	-	-	-	-	42.0
1226+95.00 TO 1242+28.90	1533.9	1328.7	110.7	7532.1	7532.1	892.9	892.9	330.0	330.0	-	-	171.6	171.6	100.9
72+19.10 TO 68+76.00	343.1	521.5	43.5	1886.2	1886.2	135.1	135.1	15.0	15.0	-	-	15.6	15.6	14.4
1383+92.00 TO 1387+00.00	308.0	492.8	246.4	924.0	924.0	-	-	-	-	-	-	31.2	31.2	23.1
1387+00.00 TO 1415+40.00	2840.0	4544.0	941.3	8520.0	8520.0	-	-	-	-	-	-	358.8	358.8	213.0
1415+40.00 TO 1415+67.00	27.0	-	-	-	-	39.0	39.0	-	-	17.0	17.0	-	-	2.0
1415+67.00 TO 1416+16.00	49.0	-	-	20.0	20.0	196.0	196.0	42.0	42.0	63.0	63.0	-	-	3.7
1416+16.00 TO 1416+47.00	31.0	-	-	-	-	158.0	158.0	-	-	-	-	-	-	2.3
1416+47.00 TO 1418+05.00	158.0	252.8	21.1	474.0	474.0	-	-	-	-	-	-	31.2	31.2	11.9
1418+05.00 TO 1418+25.00	20.0	32.0	2.7	60.0	60.0	-	-	-	-	-	-	-	-	1.5
1418+25.00 TO 1418+47.00	22.0	35.2	2.9	66.0	66.0	-	-	-	-	-	-	-	-	1.7
TOTALS	7477	8065	1440	27824	27824	1421	1421	574	574	80	80	608	608	437

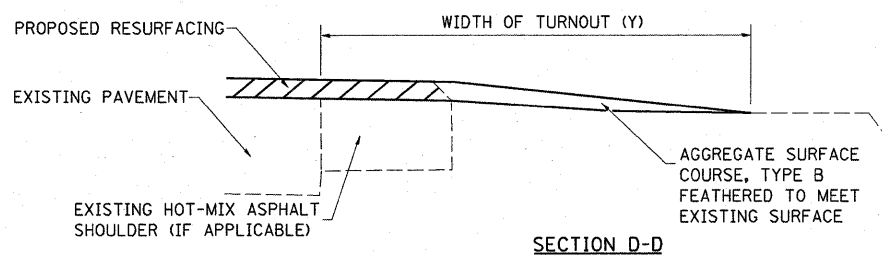
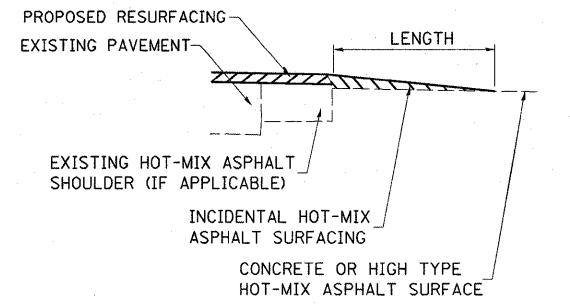
FILE NAME =	USER NAME = staffermk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SCHEDULE COMBINED SECTION				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\PWIDOT\STEFFENMK\dms50699\stsch_74157.dgn		DRAWN -	REVISED -						824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	21
PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -		SCALE: N/A				SHEET NO. OF SHEETS STA. TO STA.				
PLOT DATE = 2/9/2009		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SECTION B-B



SECTION C-C



SECTION D-D

TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROADS AND APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

SIDE	STATION	TYPE	LENGTH		
			FOOT	TON	TON
RT	1206+15	PRA	10	4.5	-
LT	1206+15	PRA	17	7.4	-
RT	1219+36	FE	10	0.6	0.72
LT	1229+56	CE	7	13.0	-
LT	1239+33	CE	10	23.7	-
RT	1241+32	PRA	14	9.2	-
LT	28+21	PRA	35	38.1	-
RT	28+21	PRA	35	50.5	-
RT	27+02	CE	11	5.1	-
RT	25+96	CE	10	7.2	-
LT	25+78	CE	8.5	5.0	-
LT	24+97	CE	9.5	5.6	-
RT	24+61	CE	10	5.8	-
LT	23+50	CE	10	4.9	-
LT	22+48	CE	10	6.4	-
RT	1294+65	CE	10	6.5	-
LT	1296+91	FE	10	0.8	0.77
RT	1297+02	CE	10	7.3	-
LT	1312+67	PRA	11	7.2	-
LT	1314+40	CE	10	7.5	-
LT	1316+98	CE	10	7.5	-
RT	1317+23	FE	10	0.8	0.85
LT	1322+11	CE	10	7.5	-
LT	1324+83	PE	10	2.8	-
LT	1325+70	PE	10	2.6	-
RT	1325+71	FE	10	0.8	0.85
LT	1335+44	PE	10	2.8	-
LT	1336+85	PE	10	2.8	-
TOTALS			287	8	

SIDE	STATION	TYPE	LENGTH		
			FOOT	TON	TON
RT	1338+86	FE	10	1.0	1.04
LT	1339+37	FE	10	0.7	0.71
RT	1339+37	FE	10	0.8	0.85
LT	1341+40	FE	10	1.0	1.04
LT	1354+10	CE	10	6.1	-
RT	1354+10	CE	10	7.5	-
LT	1355+75	CE	10	4.1	-
LT	1357+15	CE	10	2.6	-
RT	1358+00	CE	10	8.5	-
RT	1360+70	CE	10	6.0	-
LT	1366+50	PE	10	3.6	-
RT	1376+13	FE	10	1.0	1.04
TOTALS			287	8	

SIDE	STATION	TYPE	LENGTH		
			FOOT	TON	TON

SIDE	STATION	TYPE	LENGTH		
			FOOT	TON	TON

FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH
 PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT
 CE=COMMERCIAL ENTRANCE

STRUCTURE NUMBER 015-2023

ITEM	UNIT	QUANTITY
EARTH EXCAVATION	CU YD	1538
POROUS GRANULAR EMBANKMENT	CU YD	491
SUB-BASE GRANULAR MATERIAL, TYPE B, 6"	SQ YD	753
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"	SQ YD	144
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"	SQ YD	753
PAVEMENT REMOVAL	SQ YD	753
COMBINATION CURB AND GUTTER REMOVAL	FOOT	430
PAVED SHOULDER REMOVAL	SQ YD	94
HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	89
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 24	FOOT	436
PAVEMENT MARKING REMOVAL	SQ FT	441

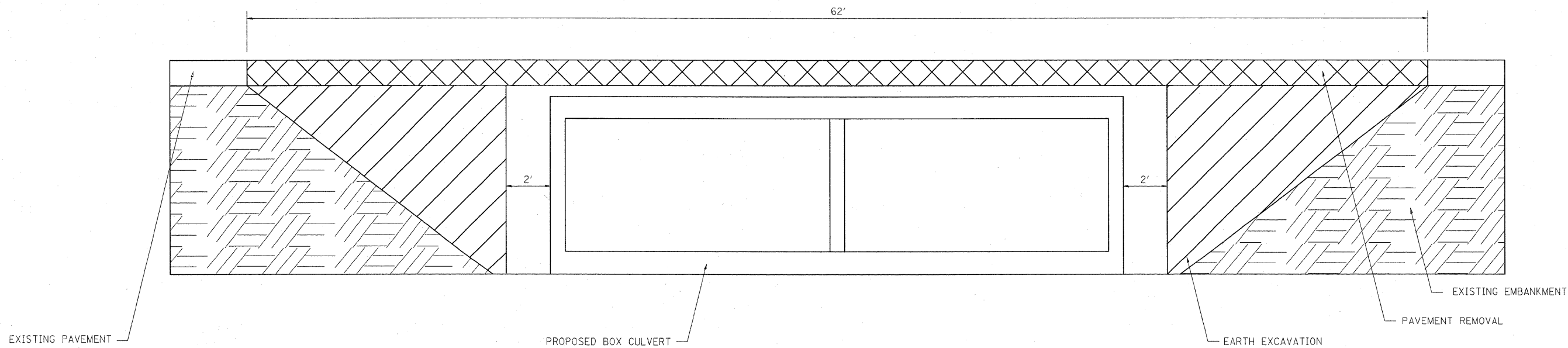
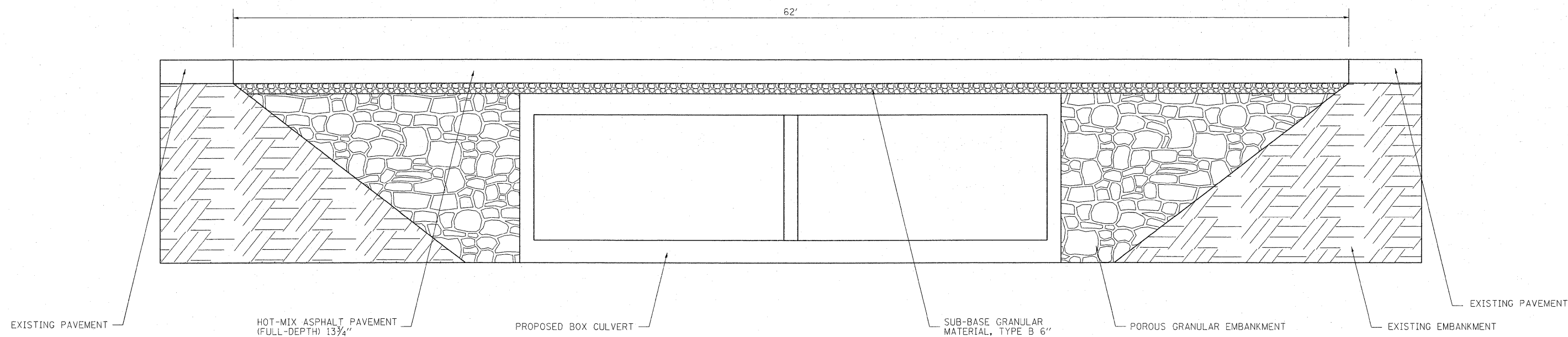
DETECTOR LOOP, TYPE 1

STATION	LOCATION DESCRIPTION	QUANTITY (FEET)
1415+97	US 45/RUDY AVE INTERSECTION	932
TOTAL =		932

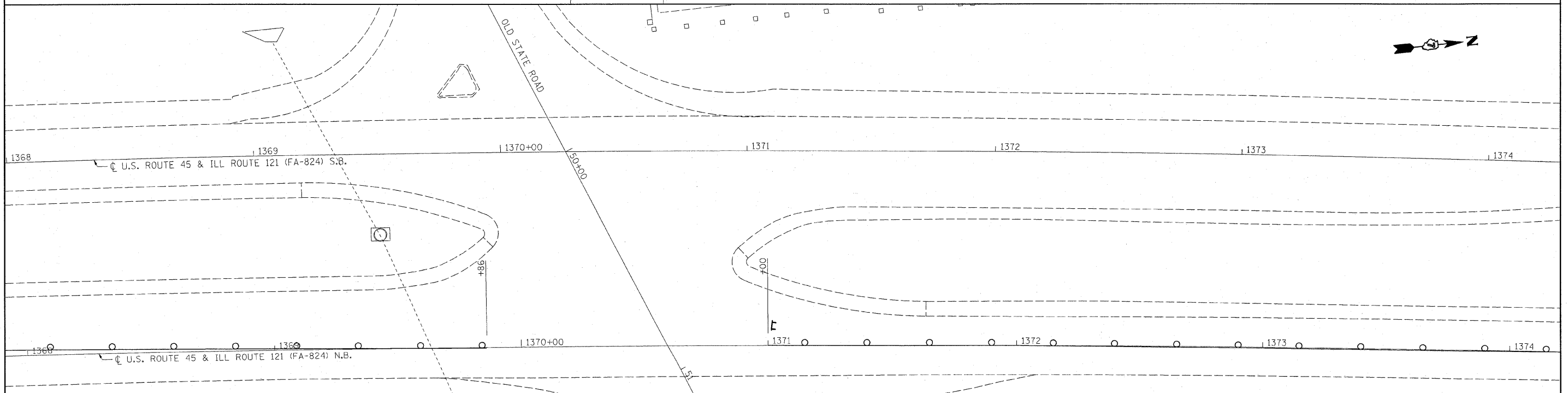
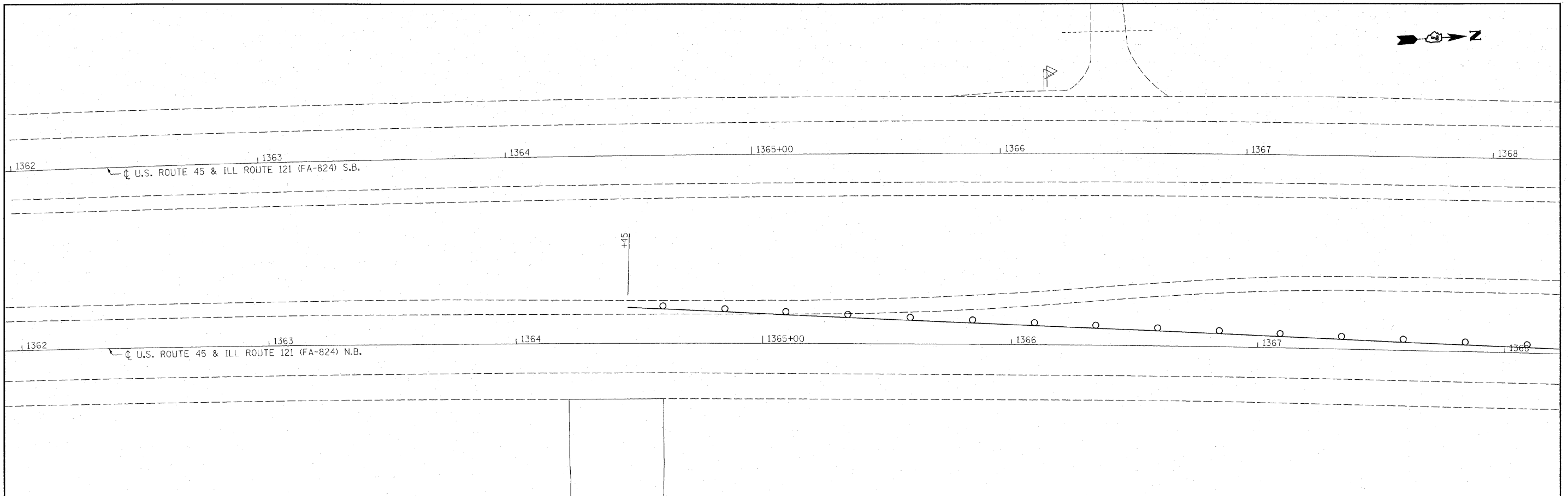
19TH ST. CONCRETE MEDIAN REPLACEMENT

STATION	SIDE	MEDIAN REMOVAL (SQ FT)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	CONCRETE MEDIAN SURFACE, 4 INCH (SQ FT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 12 (FOOT)
1380+40	LT	163	63	163	63
TOTALS		163	63	163	63

FILE NAME =	USER NAME = steffemk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS SCHEDULES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwwork\PWID01\STEFFENK\dms50699\stsch_74157.dgn	DRAWN -	REVISED -	824			(16-2,19X-2)RS-1,19B,19BR	Coles	49	23	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 74157							
PLOT DATE = 2/9/2009	DATE -	REVISED -	SCALE: N/A			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS: BOX CULVERT REMOVAL AND REPLACEMENT - SN 015-2023			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 2/9/2009	DATE -	CHECKED -	REVISED -		SCALE: N/A			SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	CONTRACT NO. 74157	
										FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			



STAGE I NOTES

INSTALL SIGNAGE AND ARROW BOARDS FOR NORTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701423 AND FOR THE SOUTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701602, CASE III.

THE TYPE III BARRICADES SHALL BE INCLUDED IN THE COST OF STANDARD 701423.

LEGEND

- DRUMS
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)
- TYPE III BARRICADE

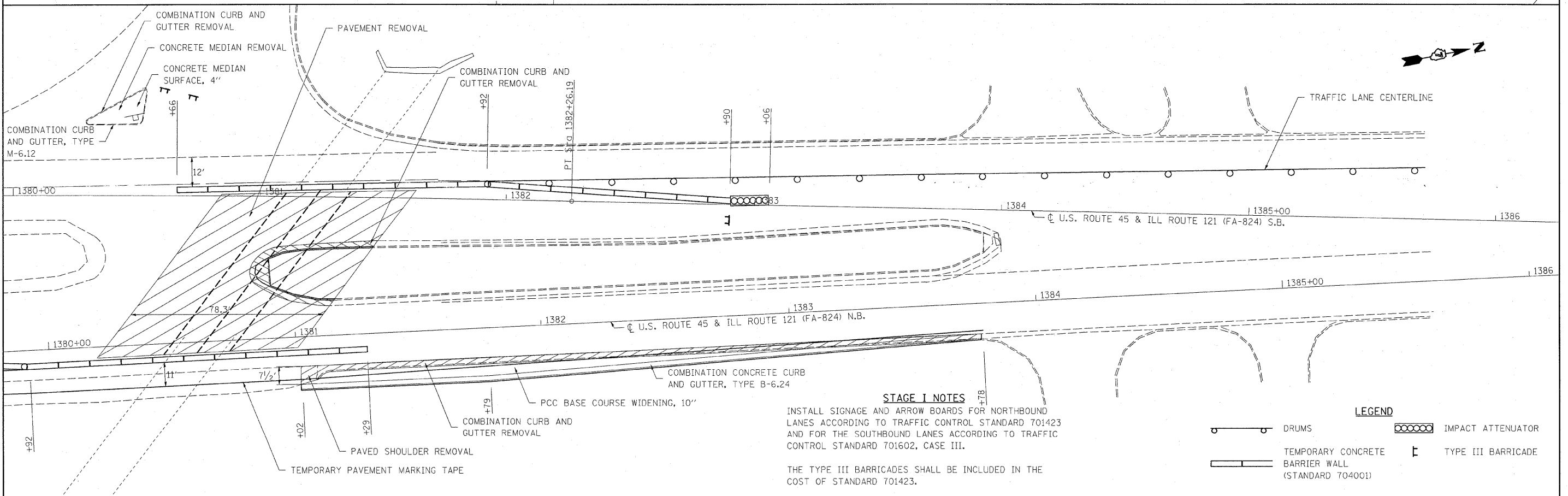
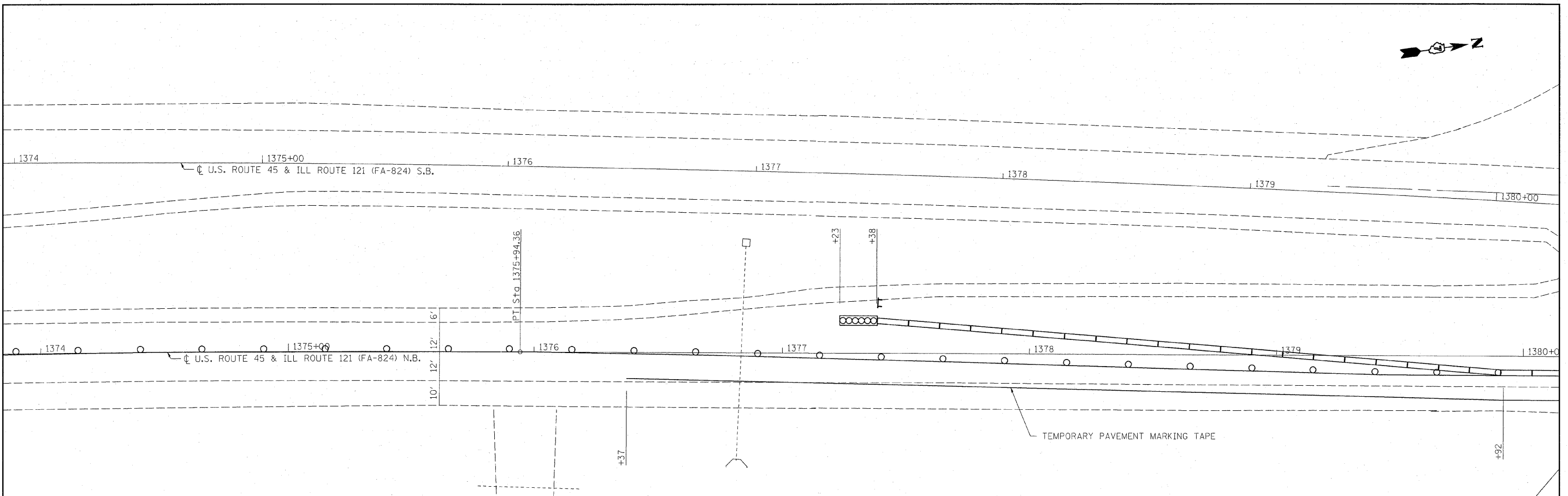
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE I CONSTRUCTION - SN 015-2023
BOX CULVERT REMOVAL AND REPLACEMENT**

SCALE: 20 SHEET NO. 1 OF 4 SHEETS STA. 1362+00 TO STA. 1374+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	25
CONTRACT NO. 74157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STAGE I NOTES

INSTALL SIGNAGE AND ARROW BOARDS FOR NORTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701423 AND FOR THE SOUTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701602, CASE III.

THE TYPE III BARRICADES SHALL BE INCLUDED IN THE COST OF STANDARD 701423.

LEGEND

- DRUMS
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)
- TYPE III BARRICADE

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PLOT SCALE = 28.0000' / IN.
PLOT DATE = 2/9/2009

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DATE -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE I CONSTRUCTION - SN 015-2023
BOX CULVERT REMOVAL AND REPLACEMENT**

SCALE: 20 SHEET NO. 2 OF 4 SHEETS STA. 1374+00 TO STA. 1386+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	26
CONTRACT NO. 74157				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



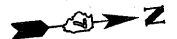
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 U.S. ROUTE 45 & ILL ROUTE 121 (FA-824) S.B.

1362 | 1363 | 1364 | 1365+00 | 1366 | 1367 | 1368
 U.S. ROUTE 45 & ILL ROUTE 121 (FA-824) N.B.

1368 | 1369 | 1370+00 | 1371 | 1372 | 1373 | 1374
 U.S. ROUTE 45 & ILL ROUTE 121 (FA-824) S.B.

1368 | 1369 | 1370+00 | 1371 | 1372 | 1373 | 1374
 U.S. ROUTE 45 & ILL ROUTE 121 (FA-824) N.B.

OLD STATE ROAD



STAGE II NOTES

INSTALL SIGNAGE AND ARROW BOARDS FOR THE NORTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701423 AND FOR THE SOUTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701602, CASE IV.

THE TYPE III BARRICADES SHALL BE INCLUDED IN THE COST OF STANDARD 701423.

LEGEND

- DRUMS
- TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)
- IMPACT ATTENUATOR
- TYPE III BARRICADE

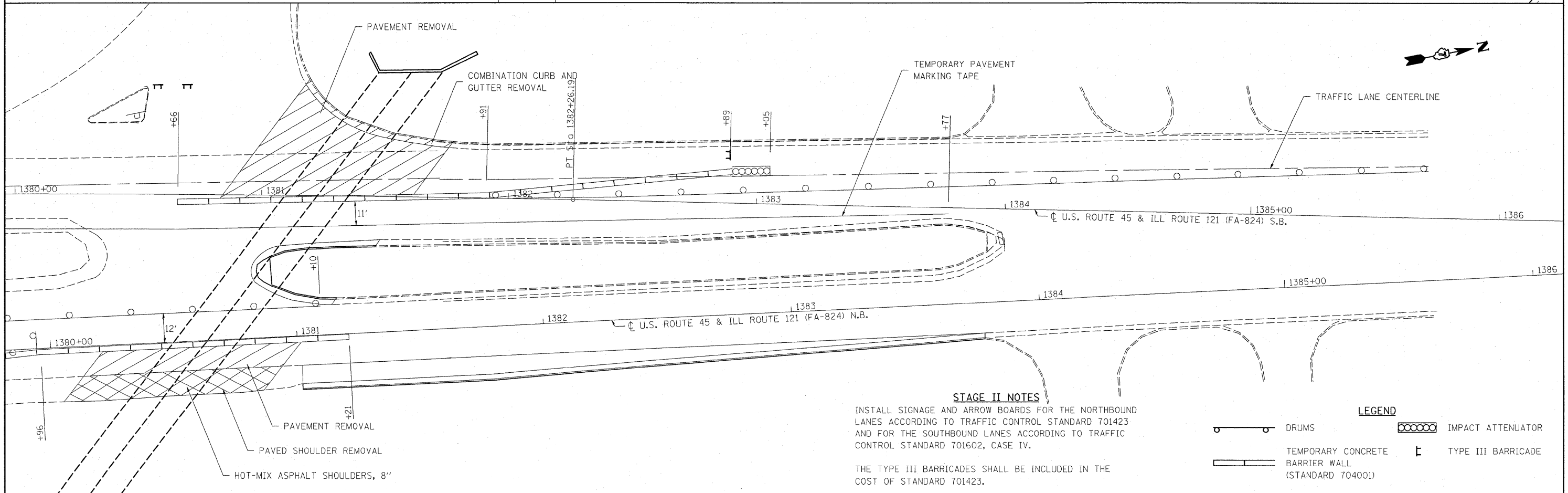
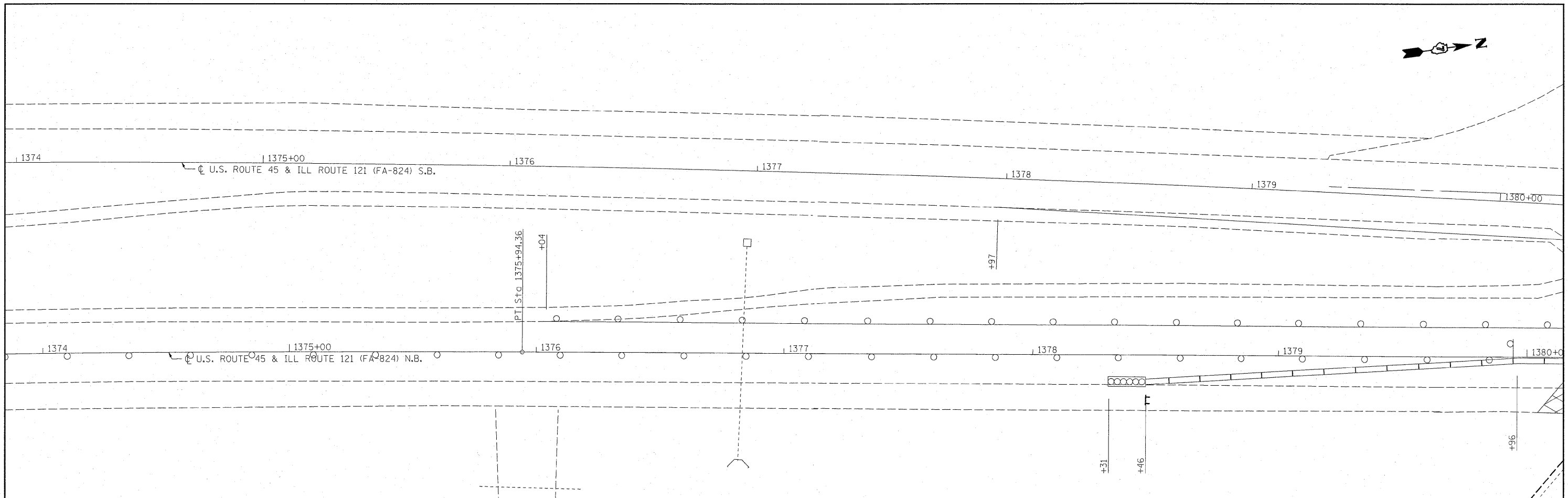
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PLOT DATE = 2/9/2009	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE II CONSTRUCTION - SN 015-2023
BOX CULVERT REMOVAL AND REPLACEMENT**

SCALE: 20 SHEET NO. 3 OF 4 SHEETS STA. 1362+00 TO STA. 1374+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	16-2,19X-2RS-1,19B,19BR	Coles	49	27
CONTRACT NO. 74157				
<small>FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT</small>				



STAGE II NOTES
 INSTALL SIGNAGE AND ARROW BOARDS FOR THE NORTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701423 AND FOR THE SOUTHBOUND LANES ACCORDING TO TRAFFIC CONTROL STANDARD 701602, CASE IV.
 THE TYPE III BARRICADES SHALL BE INCLUDED IN THE COST OF STANDARD 701423.

LEGEND

	DRUMS		IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)		TYPE III BARRICADE

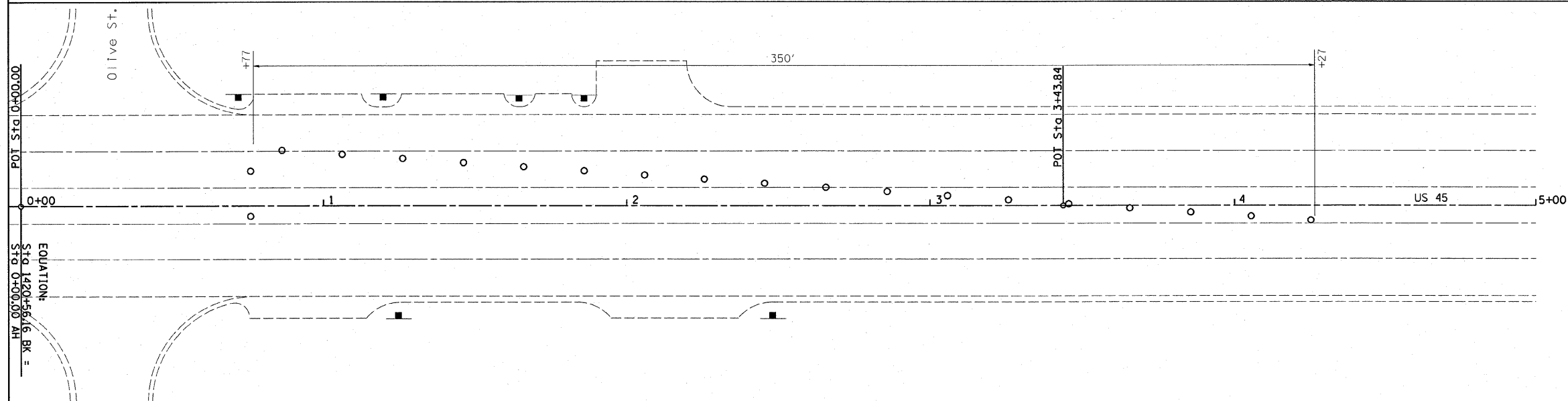
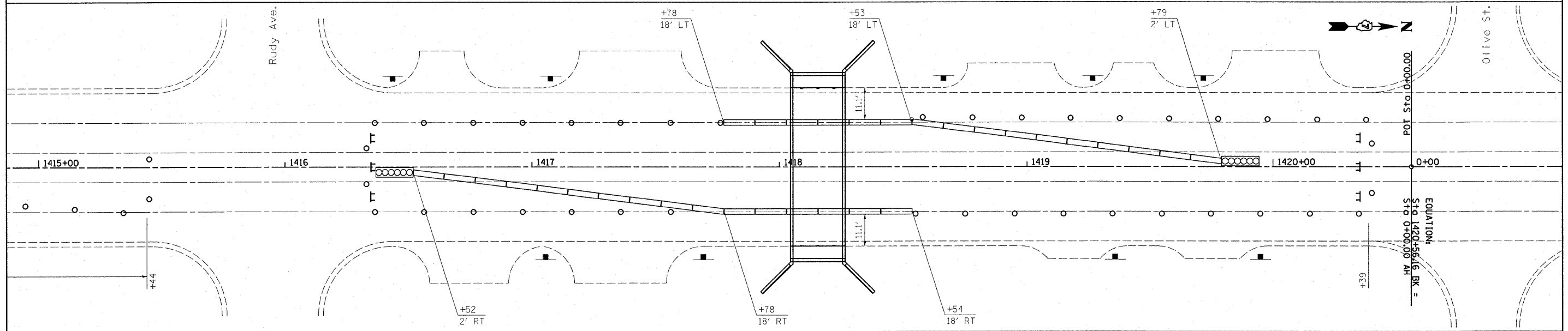
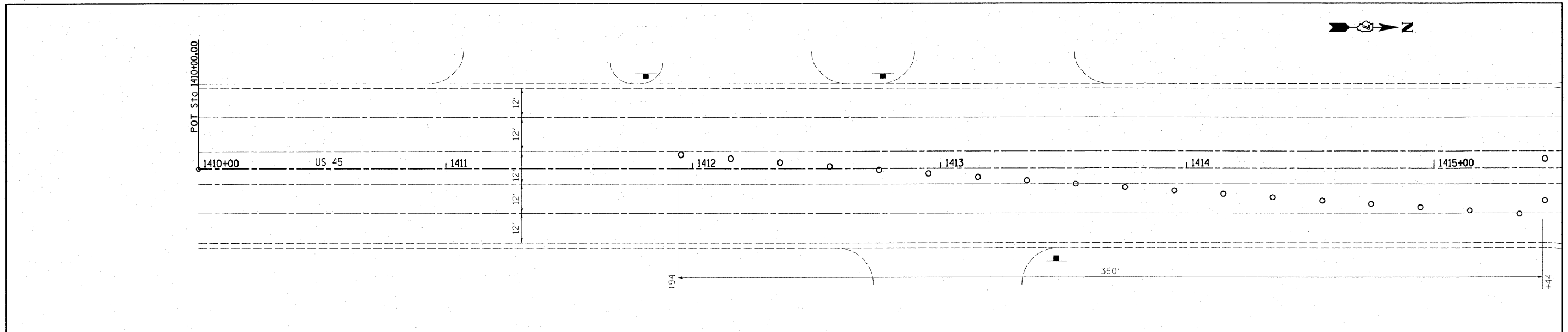
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE II CONSTRUCTION - SN 015-2023
 BOX CULVERT REMOVAL AND REPLACEMENT**

SCALE: 20 SHEET NO. 4 OF 4 SHEETS STA. 1374+00 TO STA. 1386+00

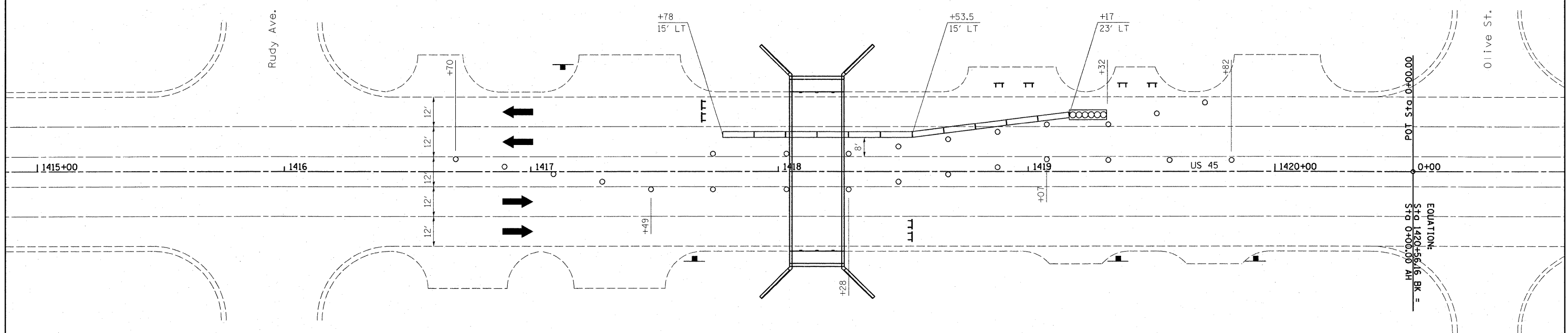
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	28
CONTRACT NO. 74157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STAGE I NOTES
 INSTALL SIGNAGE AND ARROW BOARDS ACCORDING TO TRAFFIC CONTROL STANDARD 701602 CASE I.
 SEE HIGHWAY STANDARD 701602-3, CASE I FOR SIGNS, ARROW BOARDS, SIGN LOCATIONS, AND NOTES NOT SHOWN ON THE STAGE I CONSTRUCTION PLAN SHEET.
 FINAL SIGN LOCATION AND SPACING WILL BE DETERMINED BY THE ENGINEER TO FIT FIELD CONDITIONS.

- LEGEND**
- ○ DRUMS
 - NO LEFT TURN SIGN (R3-2-2424)
 - ▬ TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)
 - IMPACT ATTENUATOR
 - ⌈ TYPE III BARRICADE

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PLOT SCALE = 20.0000" / IN.	CHECKED -	REVISED -	SCALE: 20			SHEET NO. 1 OF 3 SHEETS	STA. 1410+00 TO STA. 5+00	CONTRACT NO. 74157			
PLOT DATE = 2/9/2009	DATE -	REVISED -									
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											



STAGE II NOTES

SEE HIGHWAY STANDARD 701602-3, CASE II FOR SIGNS, ARROW BOARDS, SIGN LOCATIONS, AND NOTES NOT SHOWN ON THE STAGE II CONSTRUCTION PLAN SHEET.

FINAL SIGN LOCATION AND SPACING WILL BE DETERMINED BY THE ENGINEER TO FIT FIELD CONDITIONS.

LEGEND

- ○ DRUMS
- ▬ TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)
- IMPACT ATTENUATOR
- ⌊ TYPE III BARRICADE
- NO LEFT TURN SIGN (R3-2-2424)

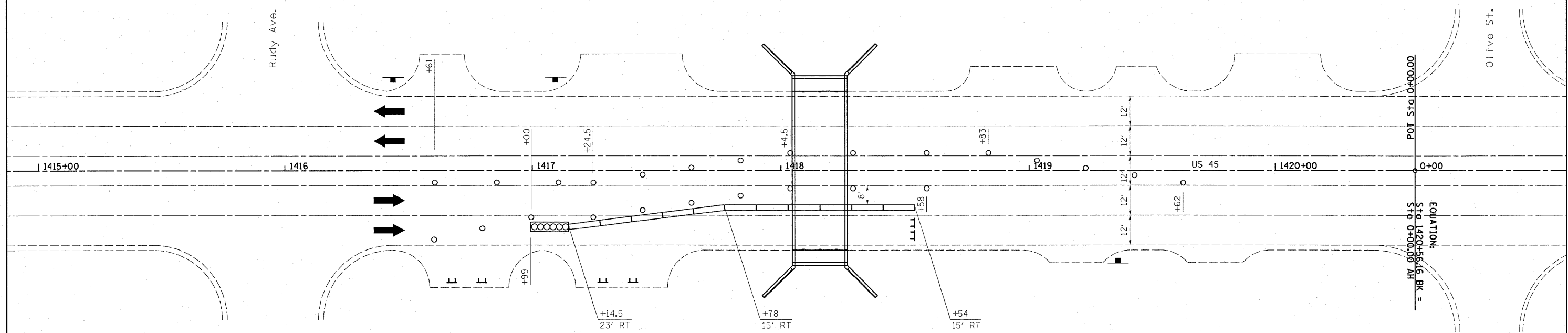
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PLOT DATE = 2/9/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE II CONSTRUCTION - SN 015-0025
BRIDGE REPAIR OVER KICKAPOO CREEK**

SCALE: 20 SHEET NO. 2 OF 3 SHEETS STA. 1415+00 TO STA. 0+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	30
CONTRACT NO. 74157				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STAGE III NOTES

SEE HIGHWAY STANDARD 701602-3, CASE II FOR SIGNS, ARROW BOARDS, SIGN LOCATIONS, AND NOTES NOT SHOWN ON THE STAGE III CONSTRUCTION PLAN SHEET.

FINAL SIGN LOCATION AND SPACING WILL BE DETERMINED BY THE ENGINEER TO FIT FIELD CONDITIONS.

LEGEND

- ○ DRUMS
- ▬ TEMPORARY CONCRETE BARRIER WALL (STANDARD 704001)
- ▬▬▬▬ IMPACT ATTENUATOR
- ⌈ TYPE III BARRICADE
- NO LEFT TURN SIGN (R3-2-2424)

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er\pwork\PW\DOT\STEFFENMK\dms50699\stage3_74157.dgn	stage3_74157.dgn	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/9/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE III CONSTRUCTION - SN 015-0025
BRIDGE REPAIR OVER KICKAPOO CREEK**

SCALE: 20 SHEET NO. 3 OF 3 SHEETS STA. 1415+00 TO STA. 0+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	31
CONTRACT NO. 74157				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BENCHMARK:
 BM - Chiseled square on
 NW corner of E headwall of
 SN 015-2006, Station 1380+26,
 141.23' RT. Elev. 726.63 (NAVD 88)

EXISTING STRUCTURE:
 SN 015-2006
 was originally built in 1940
 as SBI 25, Section 19-X
 and was extended in 1969
 as SBI 25, Section 16-2, 19X-2,
 19 BY, 19 BY-1. It is a double
 box culvert with wingwalls on
 spread footings. The box dimensions
 are 8'5" x 6'6" and the length is
 242'-6" out to out of headwalls.
 Traffic shall be maintained
 utilizing stage construction. Road
 closure will be required of
 4th Street at the intersection with
 US 45 during construction.

STATIONING:
 Stationing of the structure
 is based on where the
 centerline of the culvert
 crosses the baseline as
 determined by IDOT
 District 7 Surveys.

No salvage.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAP 824	*	COLES	49 32	9 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			(16-2, 19X-2)RS-1, 19B, 19BR	

STRUCTURE INDEX OF SHEETS

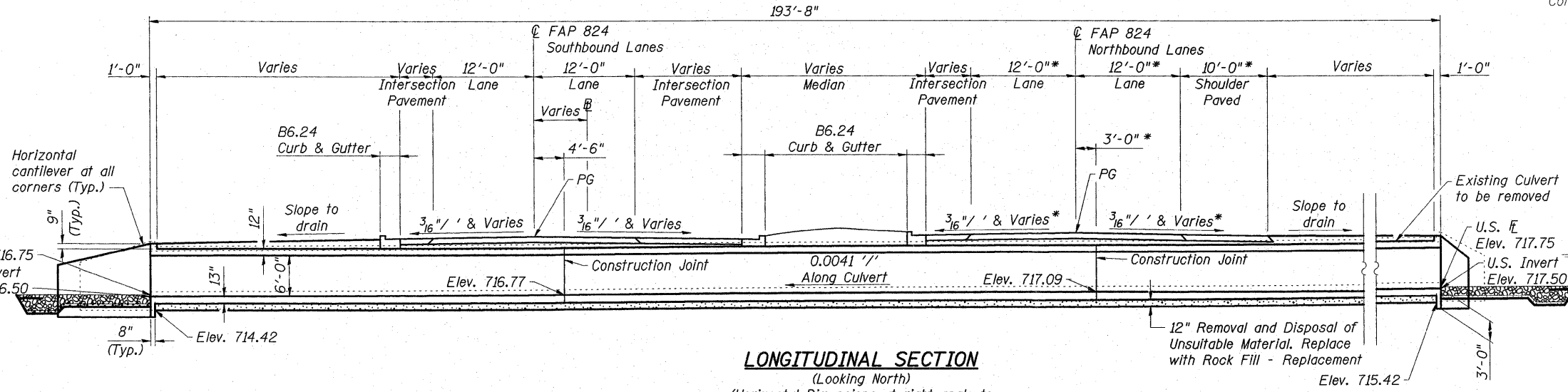
General Plan	Sheet No. 1 of 9
General Data	Sheet No. 2 of 9
Stage Construction Details	Sheet No. 3 & 4 of 9
Box Culvert Details	Sheet No. 5 & 6 of 9
Bar Splicer Assembly Details	Sheet No. 7 of 9
Soil Boring Logs	Sheet No. 8 of 9
Temporary Concrete Barrier for Stage Construction	Sheet No. 9 of 9

DESIGN SPECIFICATIONS
 2002 AASHTO

LOADING HS20-44
 Allow 50 psf for future wearing surface.

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinf.)

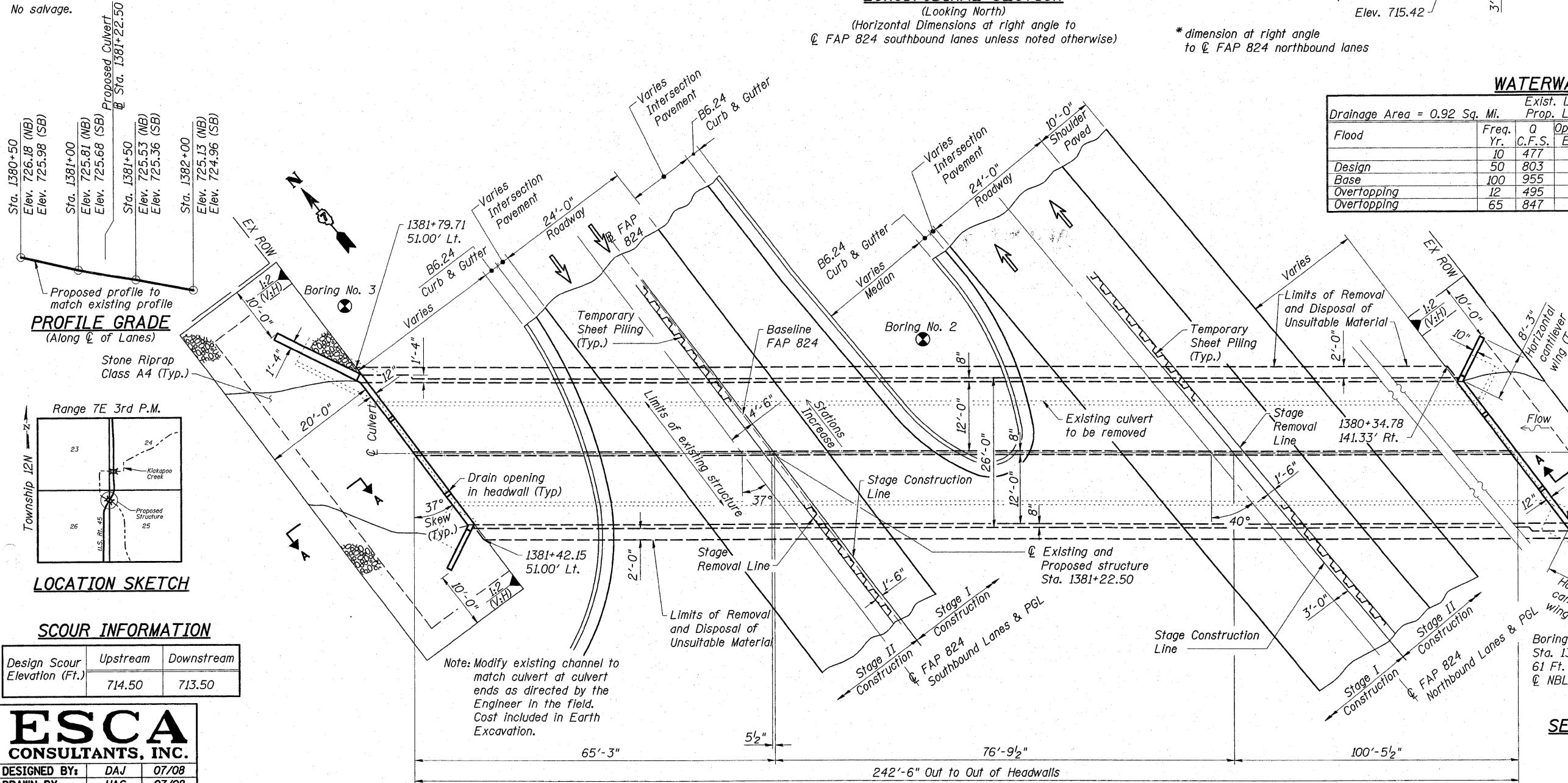


LONGITUDINAL SECTION
 (Looking North)
 (Horizontal Dimensions at right angle to
 @ FAP 824 southbound lanes unless noted otherwise)

* dimension at right angle
 to @ FAP 824 northbound lanes

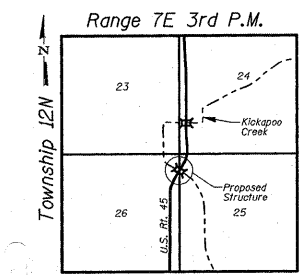
WATERWAY INFORMATION

Drainage Area = 0.92 Sq. Mi.		Exist. Low Grade Elev. = 723.3 Ft. @ Sta. 1384+83.50		Prop. Low Grade Elev. = 723.3 Ft. @ Sta. 1384+83.50	
Flood	Freq. Yr.	Opening-Sq. Ft. C.F.S.	Nat. Head-Ft. Exist. Prop.	Headwater El. Exist. Prop.	Headwater El. Exist. Prop.
Design	10	477	59 722.0	1.2 0.0	723.2 722.0
Base	100	803	69 722.6	1.6 0.3	724.2 722.9
Overtopping	12	955	72 722.8	1.6 0.9	724.4 723.7
Overtopping	65	847	59 722.0	1.3 -	723.3 -



PLAN

PROFILE GRADE
 (Along @ of Lanes)



SCOUR INFORMATION

Design Scour Elevation (Ft.)	Upstream	Downstream
	714.50	713.50

ESCA CONSULTANTS, INC.

DESIGNED BY:	DAJ	07/08
DRAWN BY:	HAS	07/08
CHECKED BY:	ELH	09/08
APPROVED BY:	RDP	09/08

APPROVED FOR STRUCTURAL ADEQUACY ONLY

Ralph Anderson
 ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-08
Richard J. Payne
 SIGNATURE
 7-29-08
 DATE

GENERAL PLAN
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

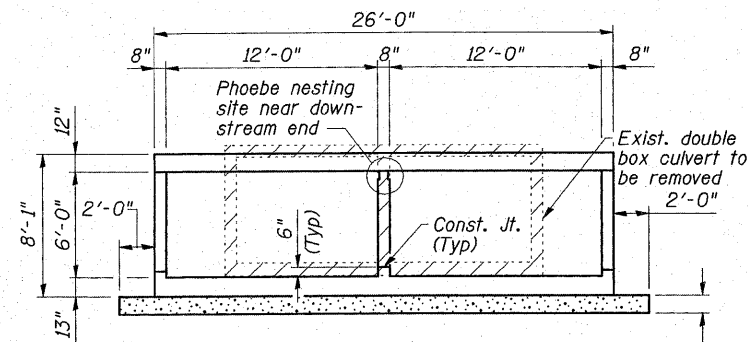
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
FAP 824	*	COLES	49	33	9 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	Contract #74157 *16-2, 19X-2)RS-1, 19B, 19BR		

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. For backfilling and embankment, see Standard Specifications.
4. At least 8'-0" of the barrel shall be poured monolithically with wingwalls.
5. Precast alternate is not allowed.
6. The limits and quantities of Removal and Disposal of Unsuitable Material shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

STATION 1381+22.50
BUILT 200 BY
STATE OF ILLINOIS
FAP RT. 824
SEC. (16-2, 19X-2)RS-1, 19B, 19BR
LOADING HS20-44
STR. NO. 015-2023

NAME PLATE
See Std. 515001



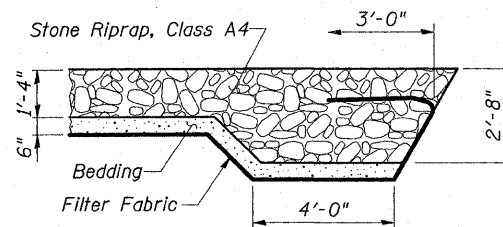
SECTION THRU BARREL

12" Removal and Disposal of Unsuitable Material. Replace with Rock Fill - Replacement

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Stone Riprap, Class A4	Sq. Yd.	262
Filter Fabric	Sq. Yd.	262
Removal of Existing Structures	Each	1
Concrete Box Culverts	Cu. Yd.	621.3
Reinforcement Bars	Pound	142,910
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	1550
Bar Splacers	Each	280
Removal and Disposal of Unsuitable Material	Cu. Yd.	270
Rock Fill - Replacement	Ton	554

See Roadway Plans for quantities of Temporary Concrete Barrier and Earth Excavation and Porous Granular Embankment.



SECTION A-A

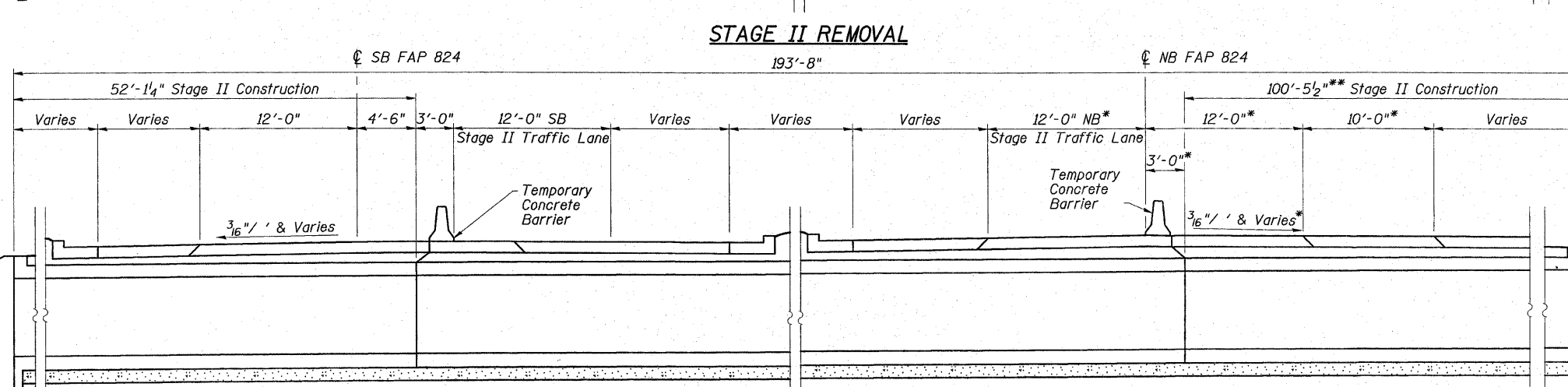
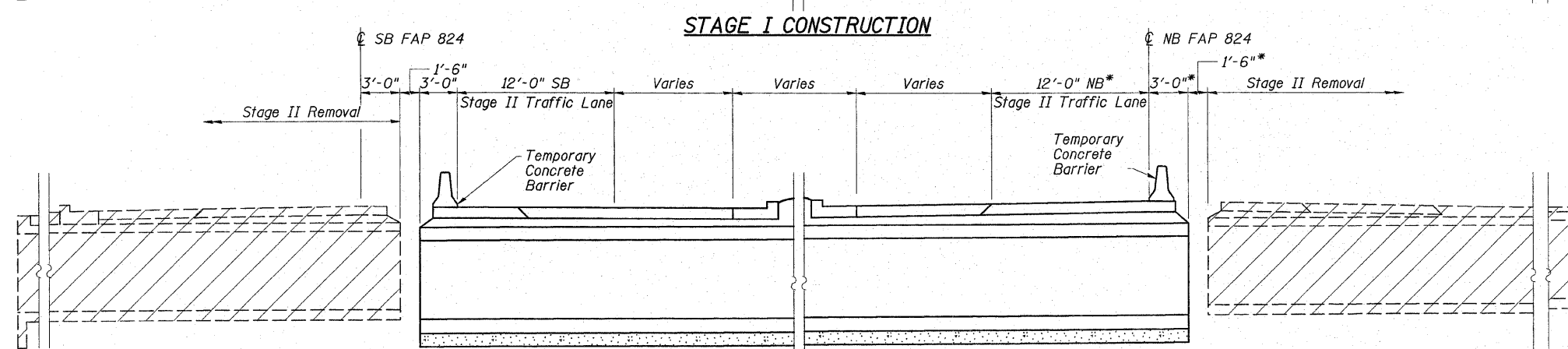
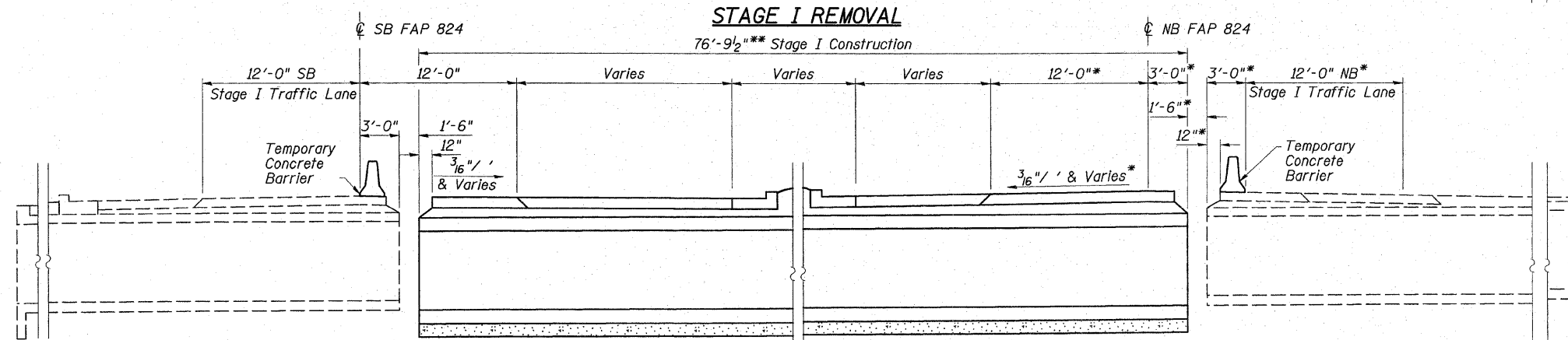
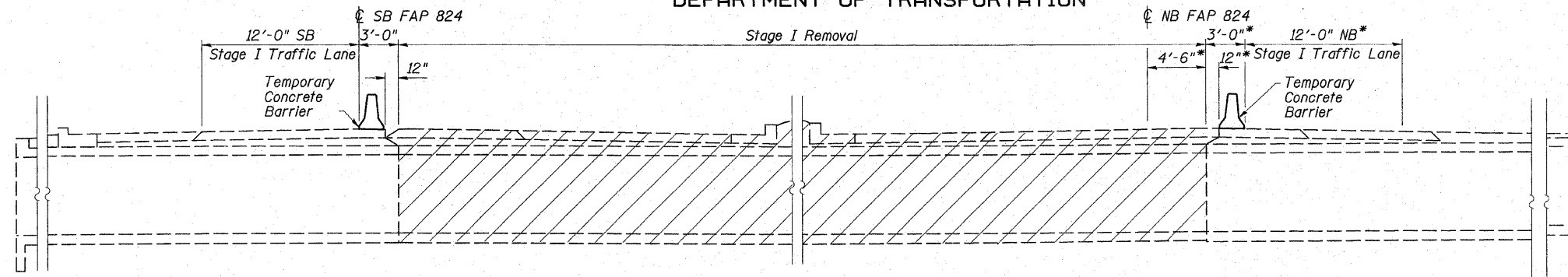
ESCA
CONSULTANTS, INC.

DESIGNED BY:	DAJ	07/08
DRAWN BY:	HAS	07/08
CHECKED BY:	ELH	09/08
APPROVED BY:	RDP	09/08

GENERAL DATA
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAP 824	*	COLES	49 34	9 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
			Contract #74157 *16-2, 19X-2/RS-1, 19B, 19BR	



STAGE CONSTRUCTION NOTES

1. Hatched areas indicate Removal of Existing Structures.
2. For details of Temporary Concrete Barrier, see Sht. No. 9 of 9.
3. All sections are looking North.
4. Horizontal dimensions are at right angles to C FAP 824 southbound lanes unless noted otherwise.

* dimension at right angle to C FAP 824 northbound lanes

** measured along culvert centerline

STAGE CONSTRUCTION DETAILS
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

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DESIGNED BY:	DAJ	07/08
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APPROVED BY:	RDP	07/08

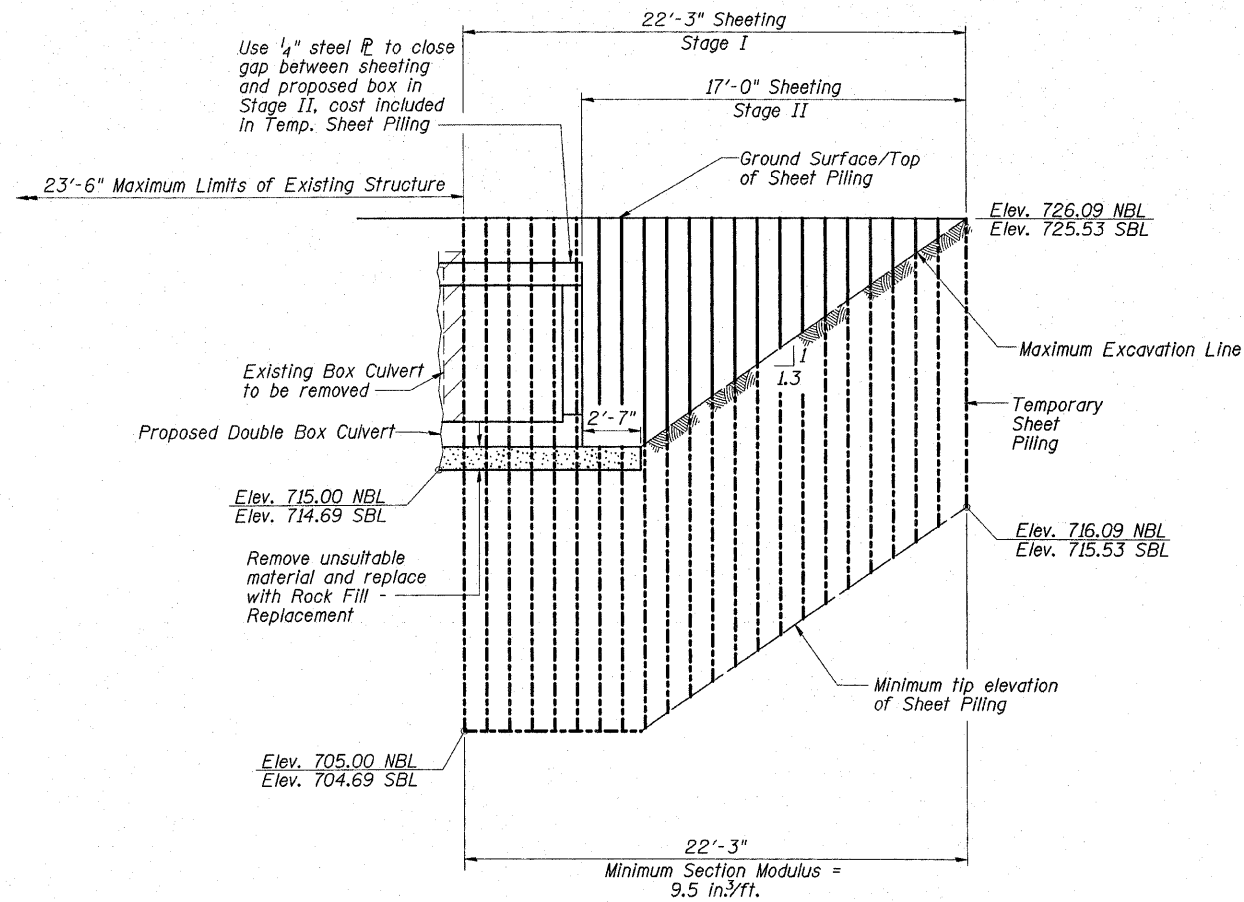
STAGE II CONSTRUCTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAP 824	SECTION *	COUNTY COLES	SHEETS 49	SHEET 35	SHEET NO. 4 9 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT *16-2, 19X-2/RS-1, 19B, 19BR		
Contract #74157					

TEMPORARY SHEET PILING NOTES

- If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



TEMPORARY SHEET PILING

(To be constructed parallel to centerline of lanes on each side)

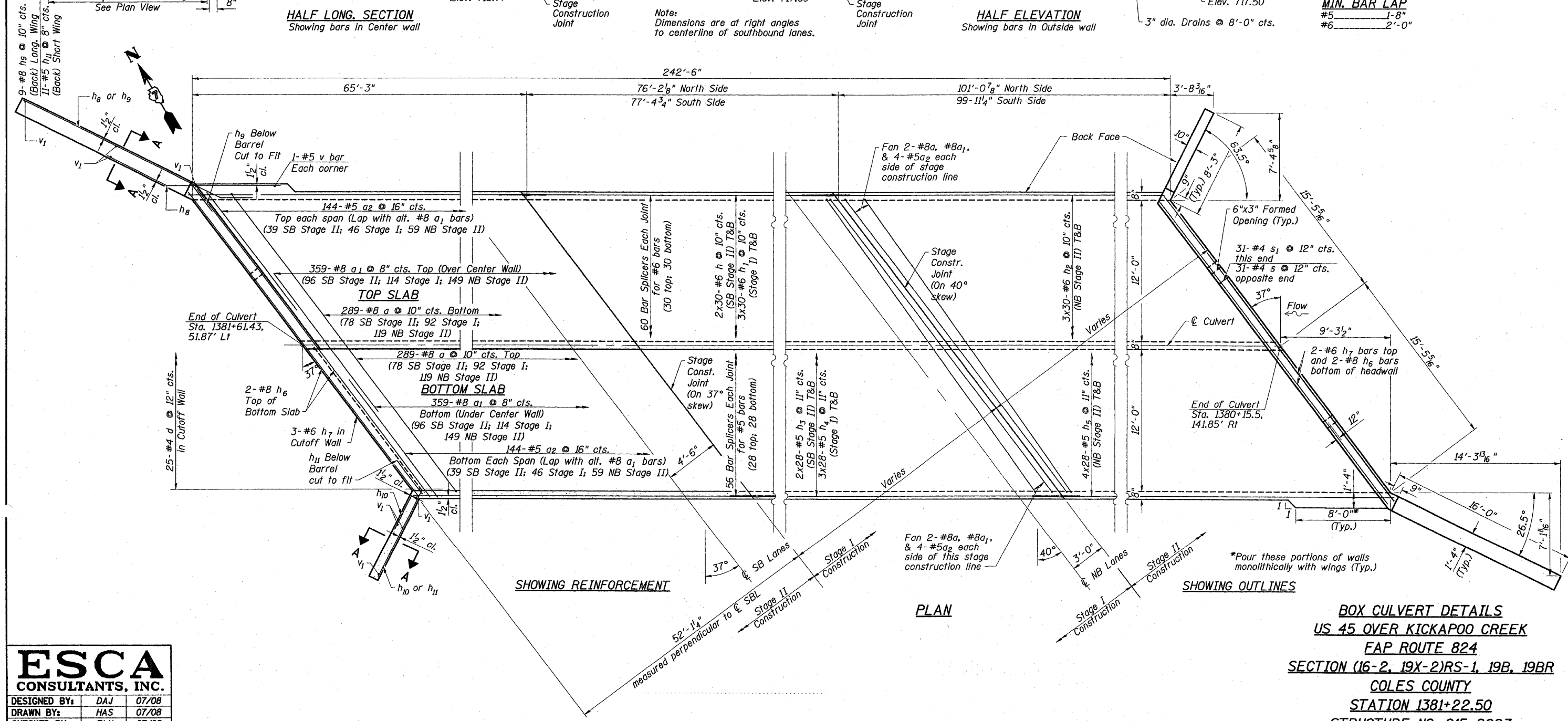
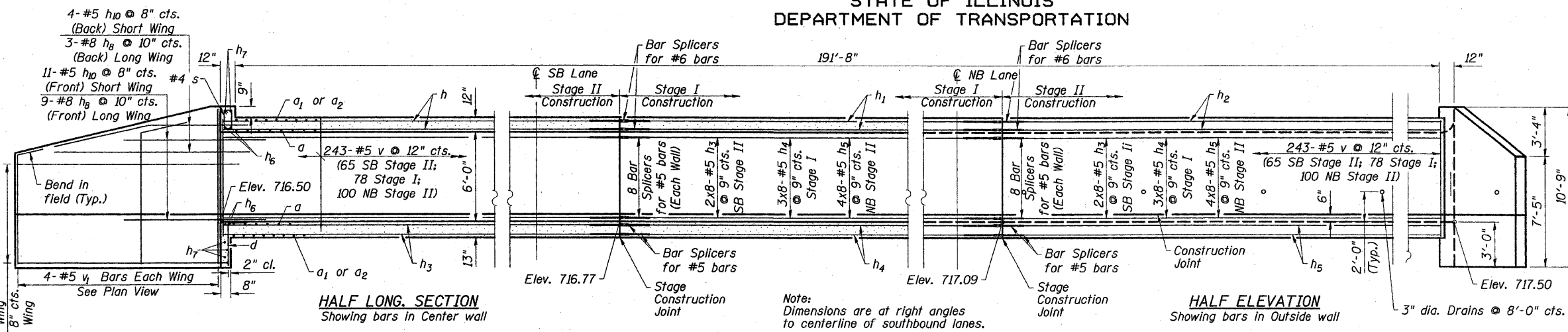
STAGE CONSTRUCTION DETAILS
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

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CHECKED BY:	ELH	09/08
APPROVED BY:	RDP	09/08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 5 9 SHEETS
FAP 824	"	COLES	49	36	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		
			Contract #74157		(16-2, 19X-2)RS-1, 19B, 19BR



BOX CULVERT DETAILS
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

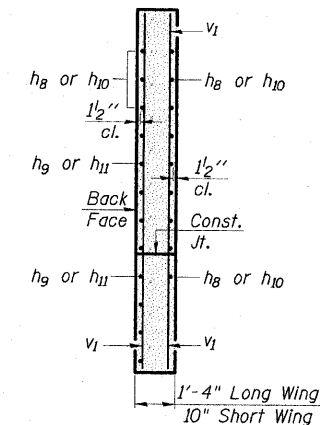
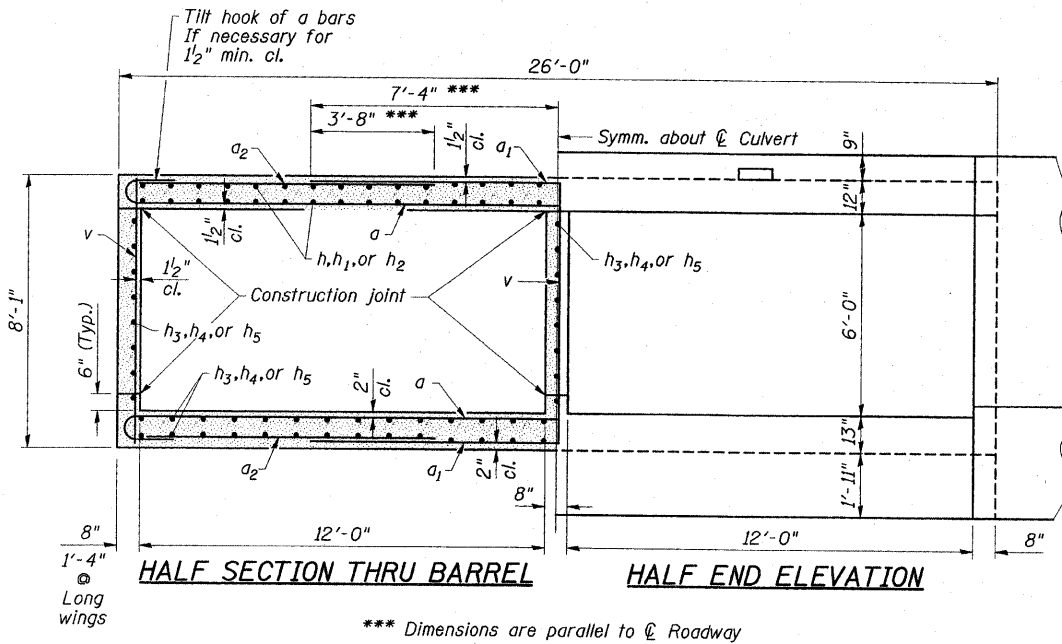
ESCA
CONSULTANTS, INC.

DESIGNED BY:	DAJ	07/08
DRAWN BY:	HAS	07/08
CHECKED BY:	ELH	07/08
APPROVED BY:	RDP	07/08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAP 824	SECTION *	COUNTY COLES	SHEET NO. 49	SHEET NO. 6 9 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT *16-2, 19X-2/RS-1, 19B, 19BR	

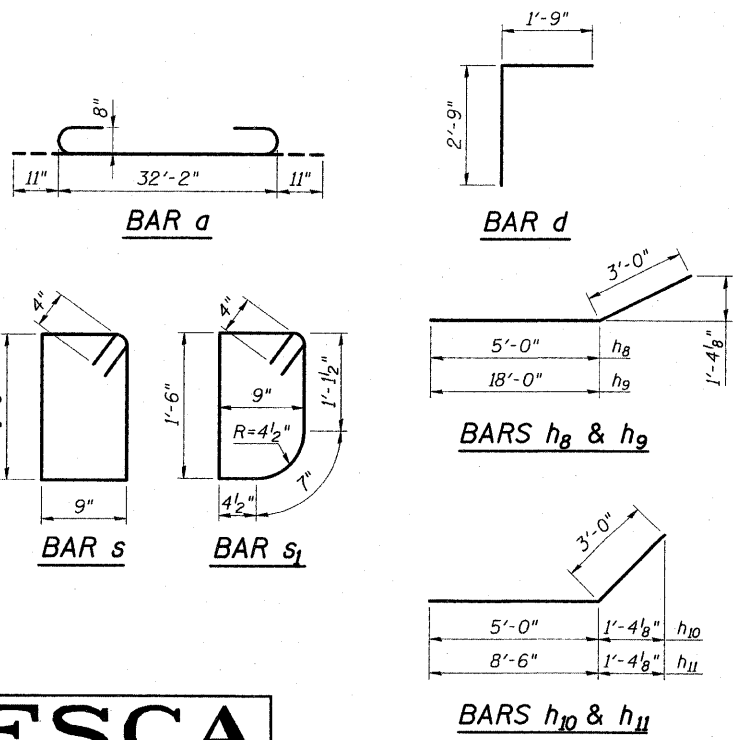
Contract #74157



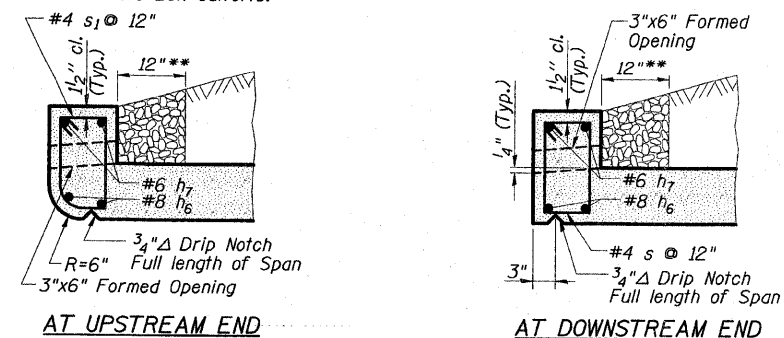
SECTION A-A
(Bars shown are in long wing)

BILL OF MATERIAL

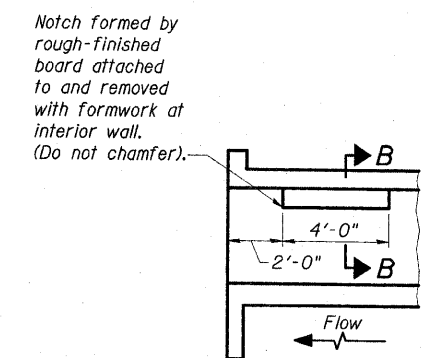
Bar	No.	Size	Length	Shape
a	586	#8	34'-0"	
a1	726	#8	14'-8"	
a2	592	#5	12'-6"	
d	50	#4	4'-6"	
h	120	#6	33'-6"	
h1	180	#6	26'-11"	
h2	180	#6	35'-0"	
h3	160	#5	33'-4"	
h4	240	#5	26'-10"	
h5	320	#5	26'-6"	
h6	8	#8	32'-3"	
h7	10	#6	32'-3"	
h8	24	#8	8'-0"	
h9	18	#8	21'-0"	
h10	30	#5	8'-0"	
h11	22	#5	11'-6"	
s	31	#4	5'-2"	
s1	31	#4	5'-0"	
v	733	#5	7'-9"	
v1	16	#5	9'-9"	
Concrete Box Culverts		Cu. Yd.	621.3	
Reinforcement Bars		Pound	142,910	
Bar Splicers		Each	280	



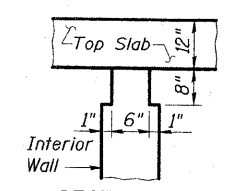
** Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.



DRAIN DETAILS



LONGITUDINAL SECTION



SECTION B-B
(Downstream End Only)

PHOEBE NESTING
SITE DETAILS

BOX CULVERT DETAILS
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

ESCA
CONSULTANTS, INC.

DESIGNED BY:	DAJ	07/08
DRAWN BY:	HAS	07/08
CHECKED BY:	ELH	07/08
APPROVED BY:	RDP	07/08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAP 824	SECTION *	COUNTY COLES	SHEETS 49-38	SHEET 9	SHEET NO. 7 9 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT *16-2, 19X-2)RS-1, 19B, 19BR		
Contract #74157					

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity = $1.25 \times f_y \times A_l$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_l$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_l = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8

The diameter of this part is equal or larger than the diameter of bar spliced.

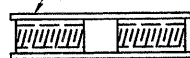
The diameter of this part is the same as the diameter of the bar spliced.

ROLLED THREAD DOWEL BAR



**** ONE PIECE**

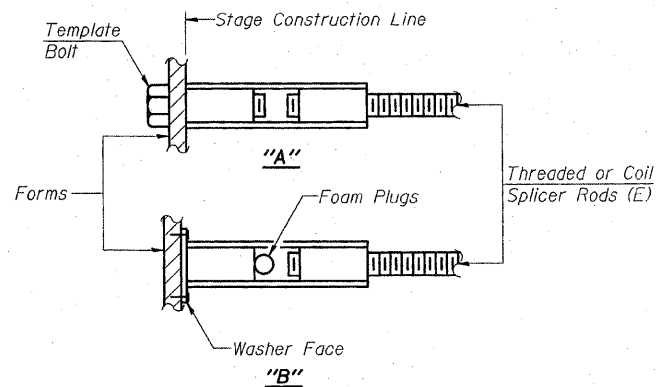
Wire Connector



WELDED SECTIONS

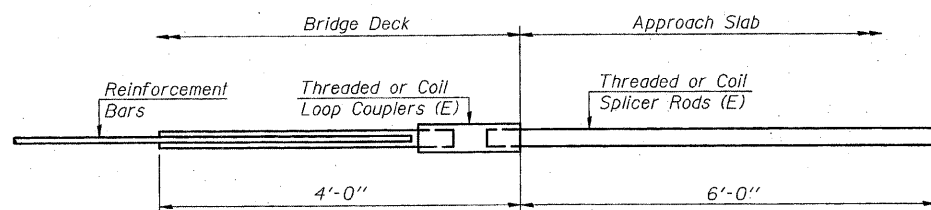
BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

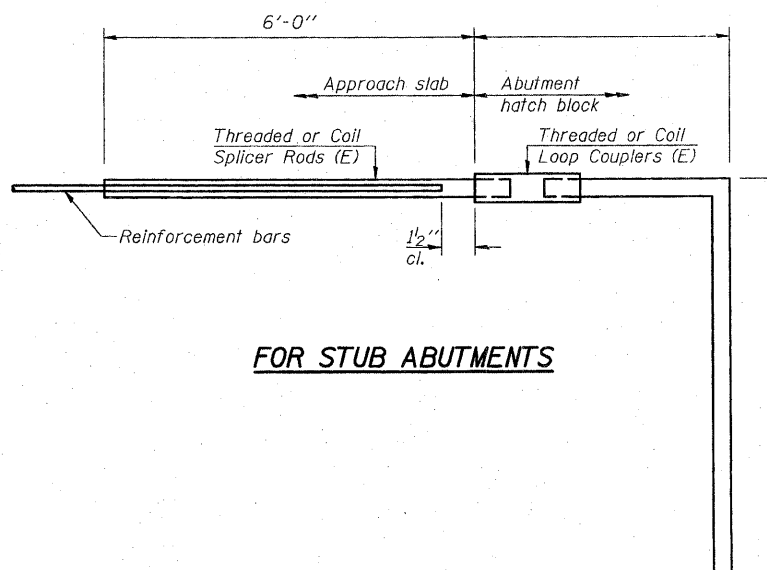


INSTALLATION AND SETTING METHODS

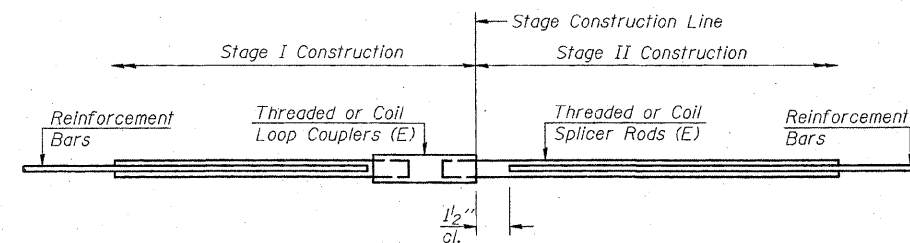
"A" :Set bar splicer assembly by means of a template bolt.
"B" :Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS



FOR STUB ABUTMENTS



STANDARD

Bar Size	No. Assemblies Required	Location
#5	112	Bottom Slab
#5	48	Walls
#6	120	Top Slab

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	0

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	0

BAR SPLICER ASSEMBLY DETAILS
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

ESCA
CONSULTANTS, INC.

DESIGNED BY:	DAJ	07/08
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APPROVED BY:	RDP	08/08

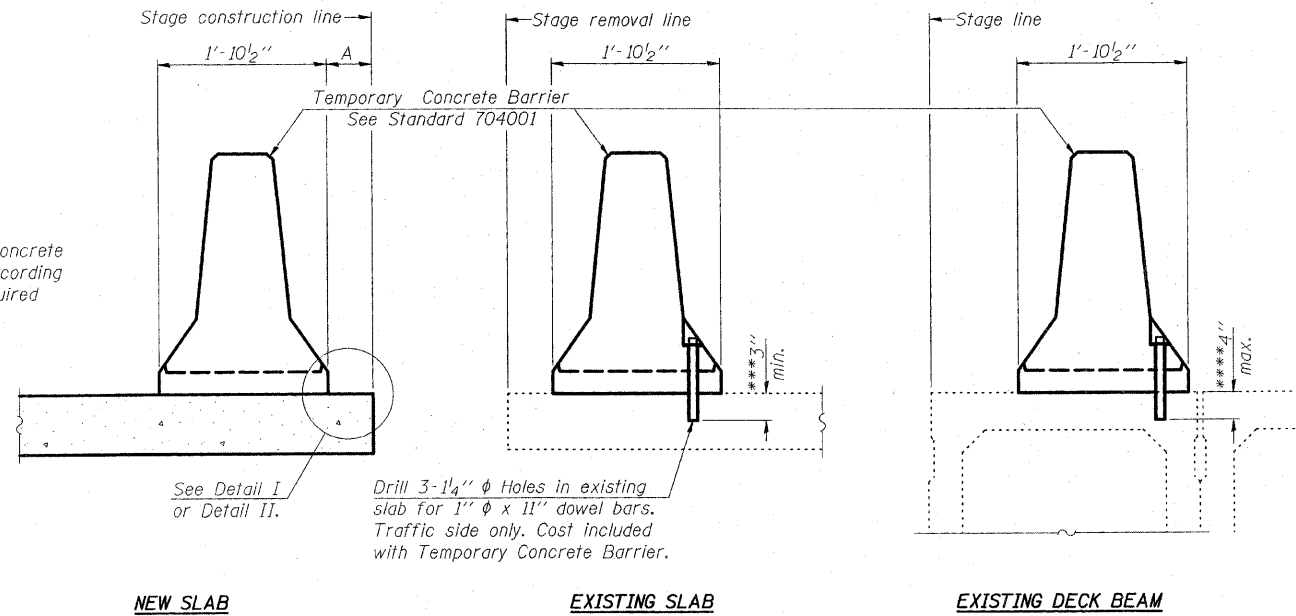
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	NO.
FAP 824	*	COLES	49	40
FED. AID DIST. NO.	ILLINOIS	FED. AID PROJECT		
			Contract #74157 *16-2, 19X-2)RS-1, 19B, 19BR	

SHEET NO. 9

9 SHEETS

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB

EXISTING SLAB

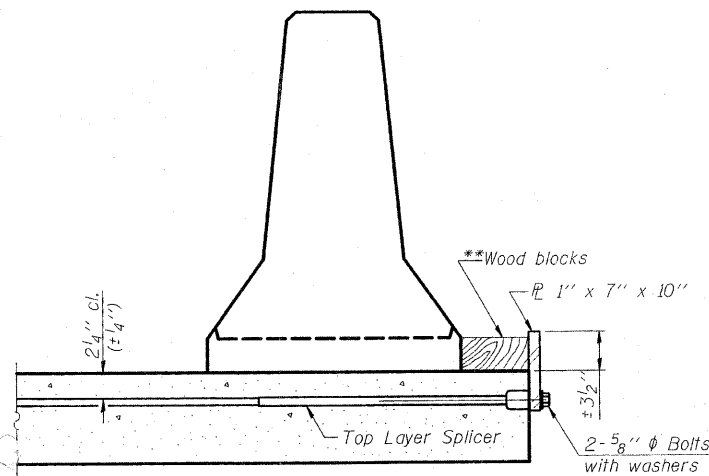
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

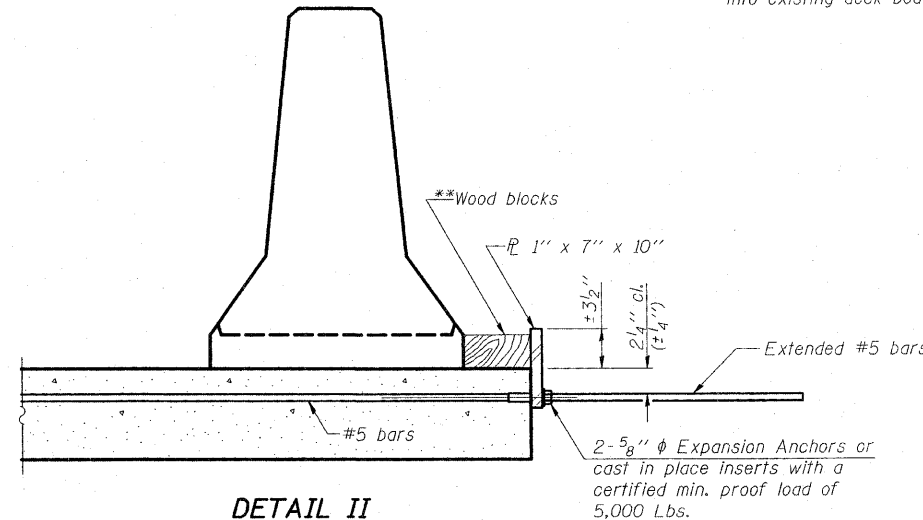
NOTES

- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier.
The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

- ***Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- ****If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.

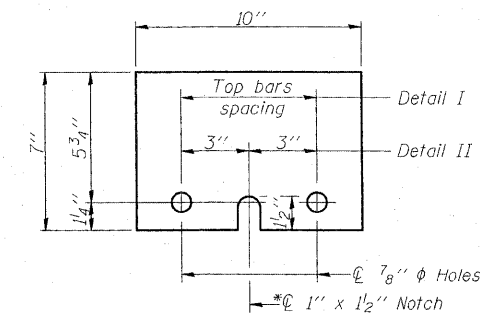


DETAIL I



DETAIL II

**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



STEEL RETAINER \bar{P} 1" x 7" x 10"

*Required only with Detail II

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
US 45 OVER KICKAPOO CREEK
FAP ROUTE 824
SECTION (16-2, 19X-2)RS-1, 19B, 19BR
COLES COUNTY
STATION 1381+22.50
STRUCTURE NO. 015-2023

ESCA
CONSULTANTS, INC.

DESIGNED BY:	DAJ	07/08
DRAWN BY:	HAS	07/08
CHECKED BY:	ELH	08/08
APPROVED BY:	RDP	08/08

TOTAL BILL OF MATERIALS

SN 015-0025

ITEM DESCRIPTION	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	6.9
Concrete Superstructure	Cu. Yd.	6.9
Reinforcement Bars, Epoxy Coated	Pound	1520
Hot-Mix Asphalt Removal (Deck)	Sq. Yd.	142
Hot-Mix Asphalt Surface Course, Mix "C", N90	Ton	35.0
Deck Slab Repair (Partial Depth)	Sq. Yd.	16
Deck Slab Repair (Full Depth Type I)	Sq. Yd.	8
Deck Slab Repair (Full Depth Type II)	Sq. Yd.	6
Waterproofing Membrane System	Sq. Yd.	142

GENERAL NOTES

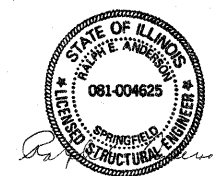
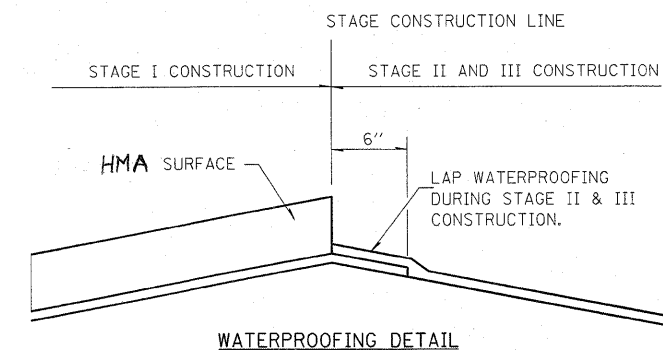
Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensations for a change in scope of the work; however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in concrete removal.

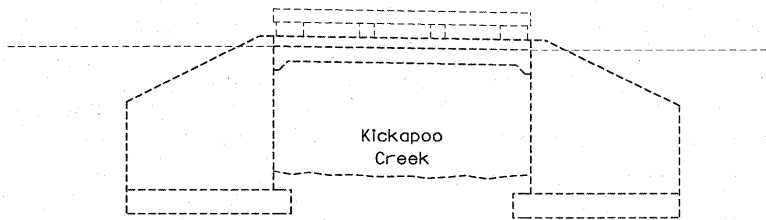
Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.



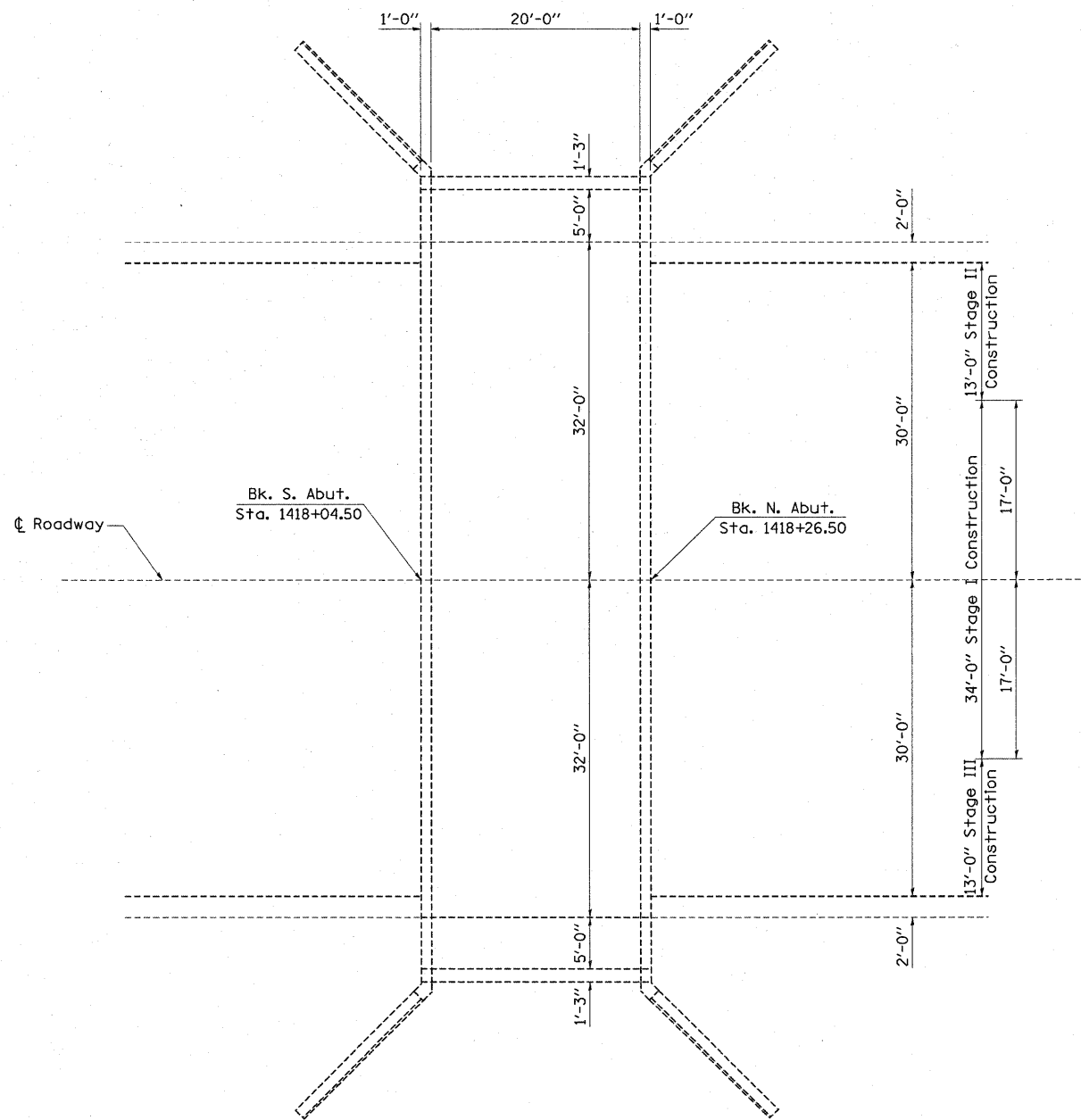
Expires 11/30/2010

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE GENERAL NOTES & BILL OF MATERIALS SN. 015-0025	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 20,0000 1/ IN.	CHECKED -	REVISED -			CONTRACT NO. 74157					
	PLOT DATE = 2/9/2009	DATE -	REVISED -			SCALE: N/A	SHEET NO. 1 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

SHEET NO. 1
6 SHEETS



ELEVATION



PLAN

SHEET NO. 2
6 SHEETS

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
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	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/9/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
SN. 015-0025**

SCALE: N/A





SHEET NO. 2 OF 6 SHEETS

STA.

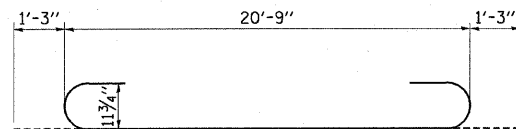
TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	42
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 74157	

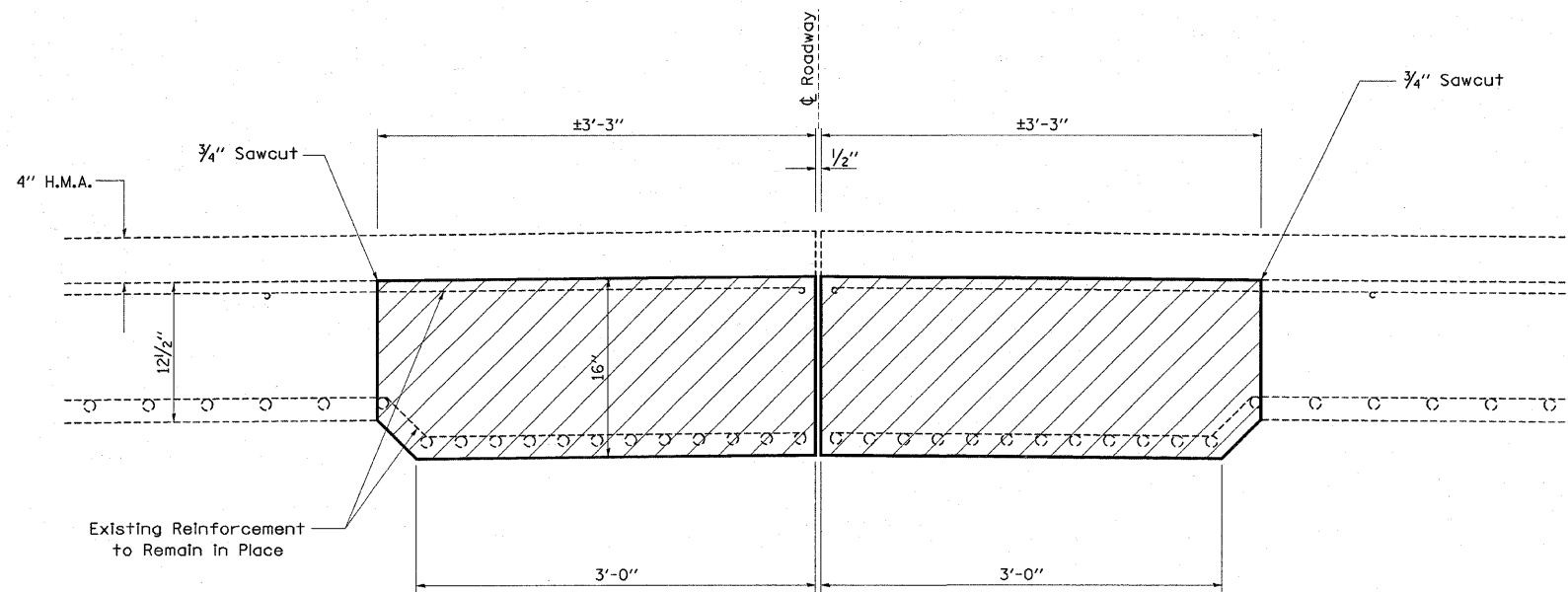
BILL OF MATERIAL

BAR	TOTAL	SIZE	LENGTH	SHAPE
a(E)	14	#9	23'-4"	
a1(E)	4	#5	20'-9"	
b(E)	27	#6	6'-3"	
b1(E)	20	#4	5'-0"	
CONCRETE REMOVAL			CU. YD.	6.9
REINFORCEMENT BARS (EPOXY COATED)			POUND	1520
CONCRETE SUPERSTR.			CU. YD.	6.9

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED

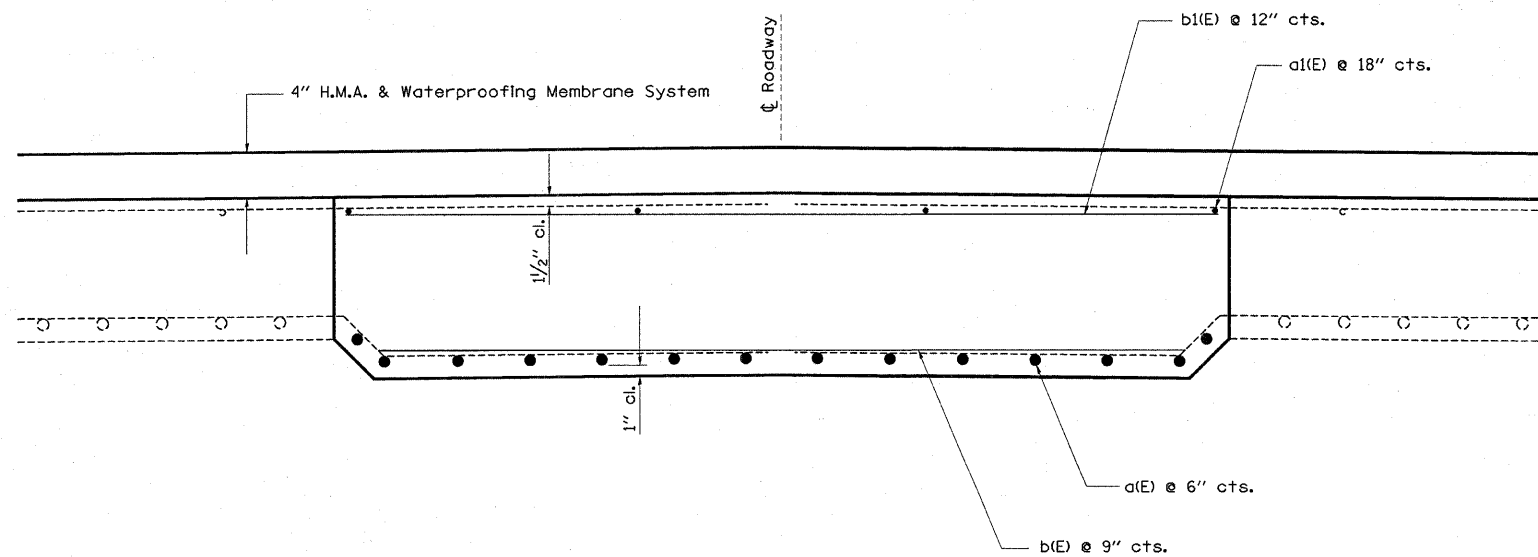


Bar a(E)



SECTION A-A
(Dimensions at RT L's to end of deck)

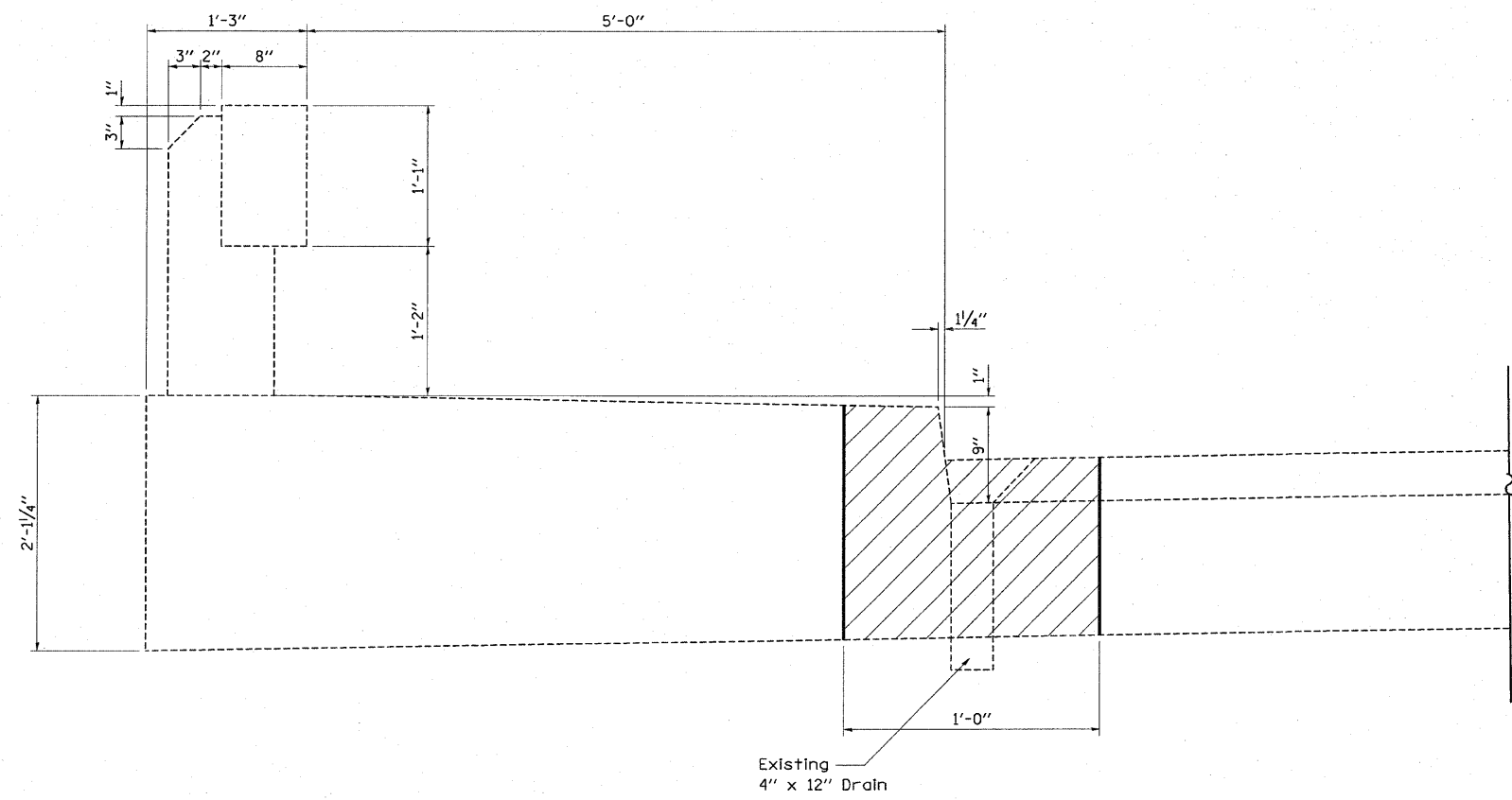
- Existing Reinforcement
- Proposed Reinforcement



SECTION B-B
(Dimensions at RT L's to end of deck)

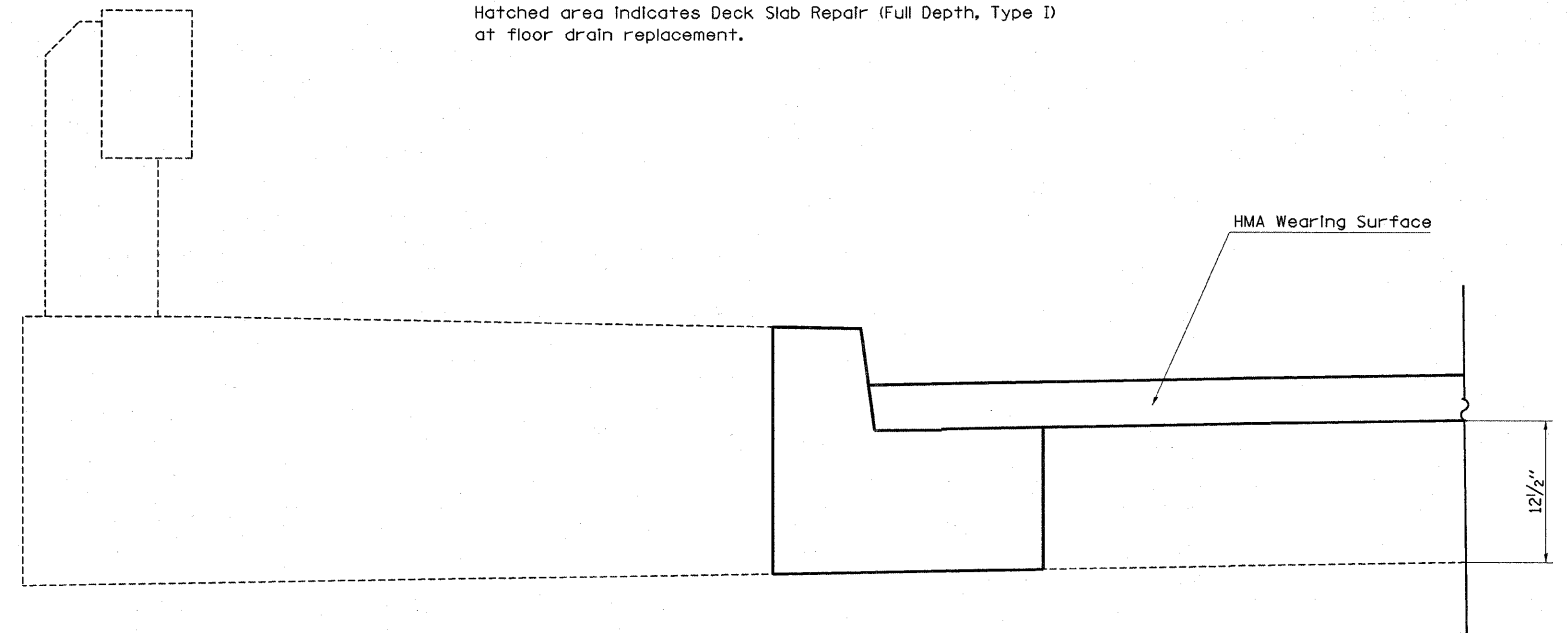
SHEET NO. 4
6 SHEETS

FILE NAME =	USER NAME = staffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LONGITUDINAL JOINT REPAIR DETAILS SN. 015-0025	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwid01\STEFFENK\d0126049\p	anpropbr_74157.dgn	DRAWN -	REVISED -			824	(16-2,19X-2)RS-1, 19B,19BR	COLES/CUMB	49	43	
	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74157					
	PLOT DATE = 2/9/2009	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



SECTION THRU EXISTING FLOOR DRAIN

Hatched area indicates Deck Slab Repair (Full Depth, Type I) at floor drain replacement.



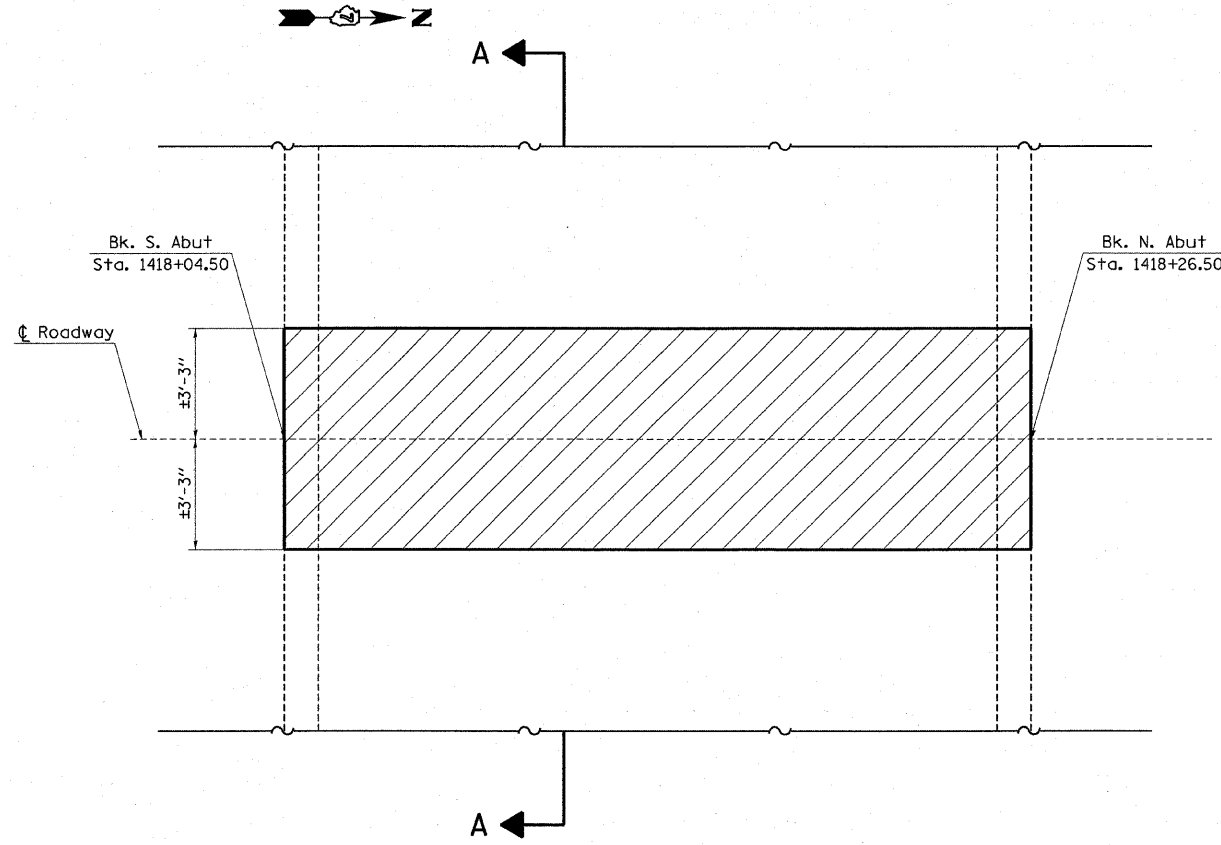
DRAIN REMOVAL DETAIL

Drain not to be replaced.

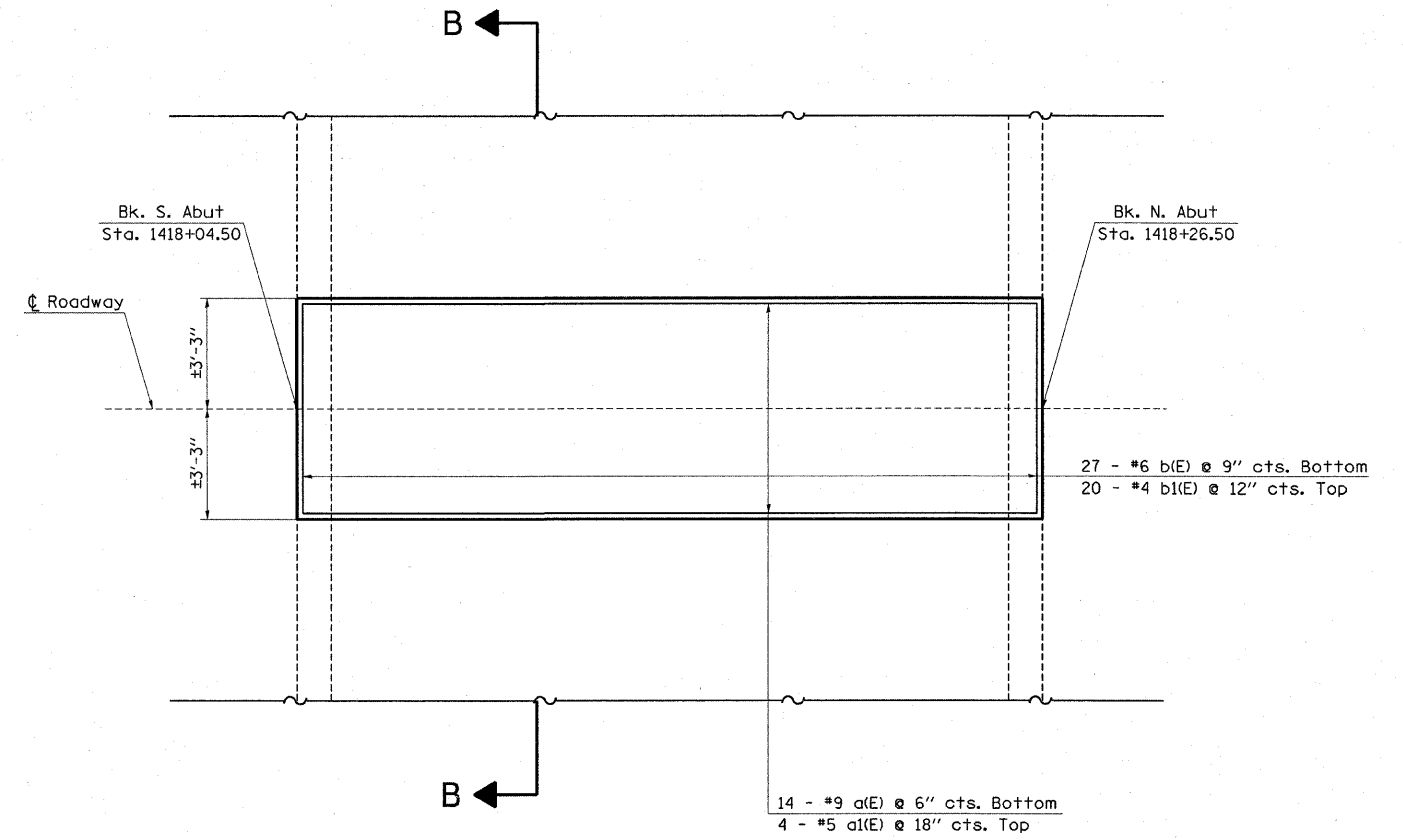
Note: See "Bridge Deck Patching" plan sheets for Floor Drain replacement locations. See "Total Bill of Materials" for each structure for quantities.

SHEET NO. 5
6 SHEETS

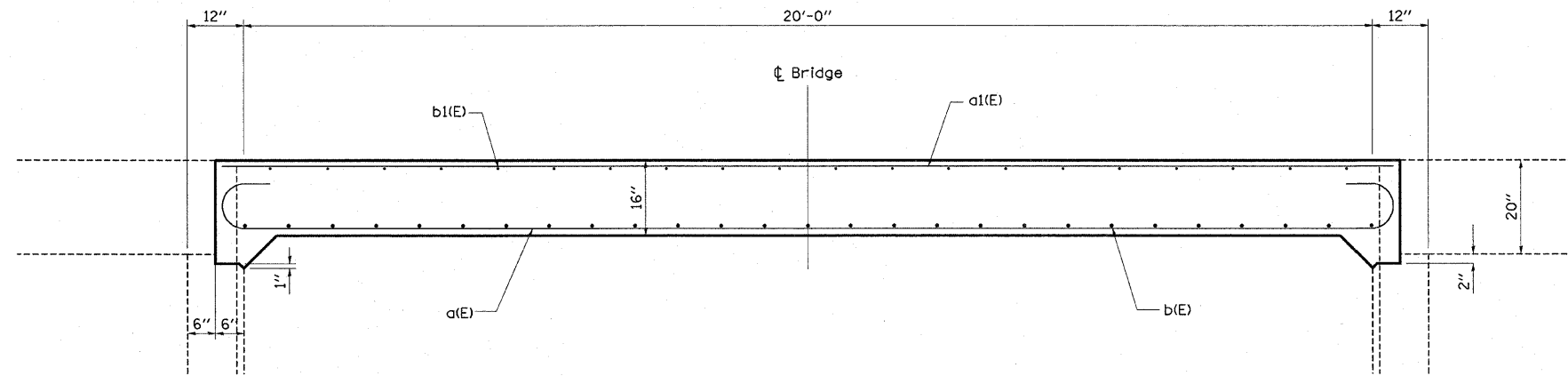
FILE NAME =	USER NAME = steffanmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FLOOR DRAIN REMOVAL DETAIL SN. 015-0025	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pvc_work\PW\DOT\STEFFENMK\jdb126349\p	anpropbr_74157.dgn	DRAWN -	REVISED -			824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	44	
	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74157					
	PLOT DATE = 2/9/2009	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
					SCALE: N/A	SHEET NO. 5 OF 6 SHEETS		STA.	TO STA.		



EXISTING PARTIAL PLAN



PROPOSED PARTIAL PLAN



LONGITUDINAL SECTION

SHEET NO. 3
6 SHEETS

FILE NAME =
c:\pw_work\PIWIDOT\STEFFENMK\d8126049\p

USER NAME = stef fennk
anpropbr_74157.dgn
PLOT SCALE = 28.0000' / IN.
PLOT DATE = 2/9/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

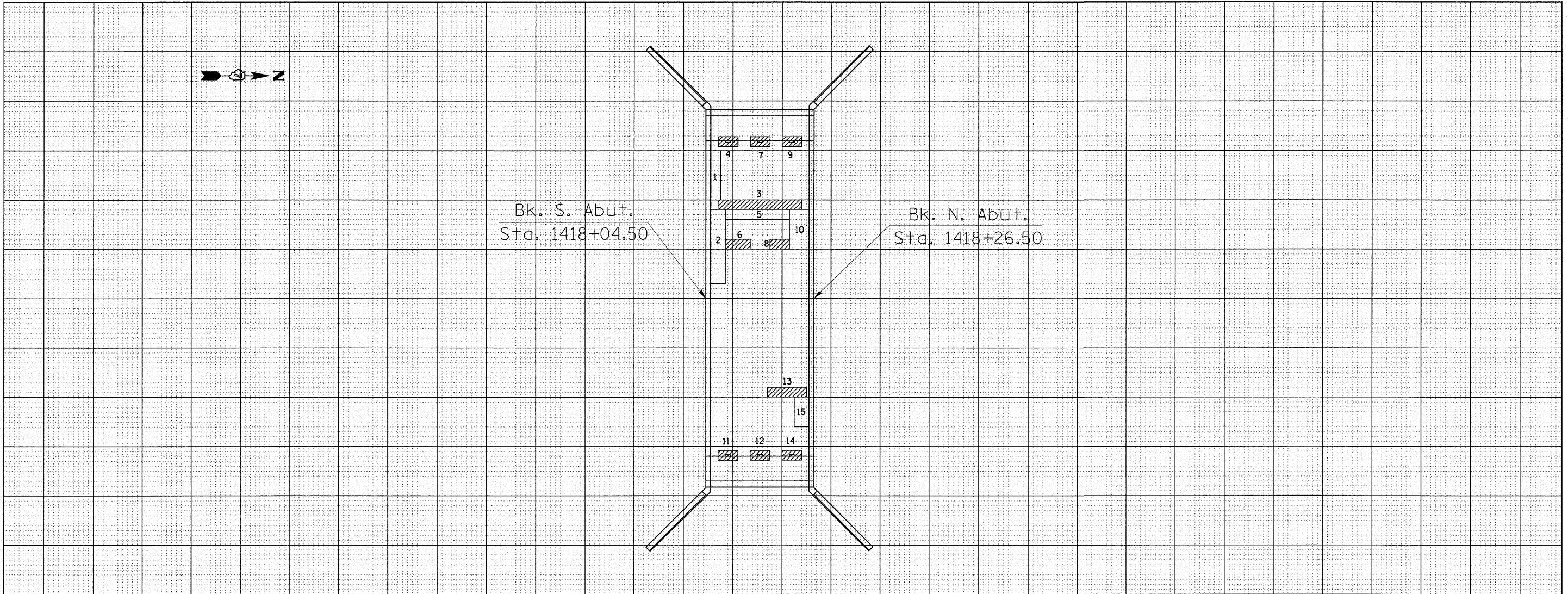
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CENTERLINE JOINT REPLACEMENT DETAILS
SN. 015-0025**

SCALE: N/A SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824	(16-2,19X-2)MS-1,19B,19BR	Coles	49	45
CONTRACT NO. 74157				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
		SO FT	SO FT	SO FT
1	10.0 x 2.0	20.0		
2	3.0 x 15.0	45.0		
3	17.0 x 2.0			34.0
4	4.0 x 2.0		8.0	
5	14.0 x 2.0	28.0		
6	5.0 x 2.0		10.0	
7	4.0 x 2.0		8.0	
8	4.0 x 2.0		8.0	
9	4.0 x 2.0		8.0	
10	4.0 x 8.0	32.0		
11	4.0 x 2.0		8.0	
12	4.0 x 2.0		8.0	
13	8.0 x 2.0			16.0
14	4.0 x 2.0		8.0	
15	6.0 x 3.0	18.0		

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
		SO FT	SO FT	SO FT
PARTIAL DEPTH				
	143 / 9 =	15.9		
	USE	16	SO YD	
FULL DEPTH, TYPE 1				
	66 / 9 =	7.3		
	USE	8	SO YD	
FULL DEPTH, TYPE 2				
	50 / 9 =	5.6		
	USE	6	SO YD	

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
		SO FT	SO FT	SO FT

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
		SO FT	SO FT	SO FT

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
		SO FT	SO FT	SO FT

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.

PATCHING LEGEND
(FOR INFORMATION ONLY)

PARTIAL DEPTH

FULL DEPTH

FLOOR DRAIN TO BE REMOVED

DATE OF SURVEY: 05/30/08
SURVEY BY: D. MACKLIN
METHOD OF SURVEY: VISUAL

BRIDGE DECK PATCHING
FAYETTE COUNTY

SHEET NO. 6
6 SHEETS

FILE NAME = c:\pwork\pwork\STEFFENMK\08126049\plot

USER NAME = steffennk
propbr_74157.dgn
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 2/9/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

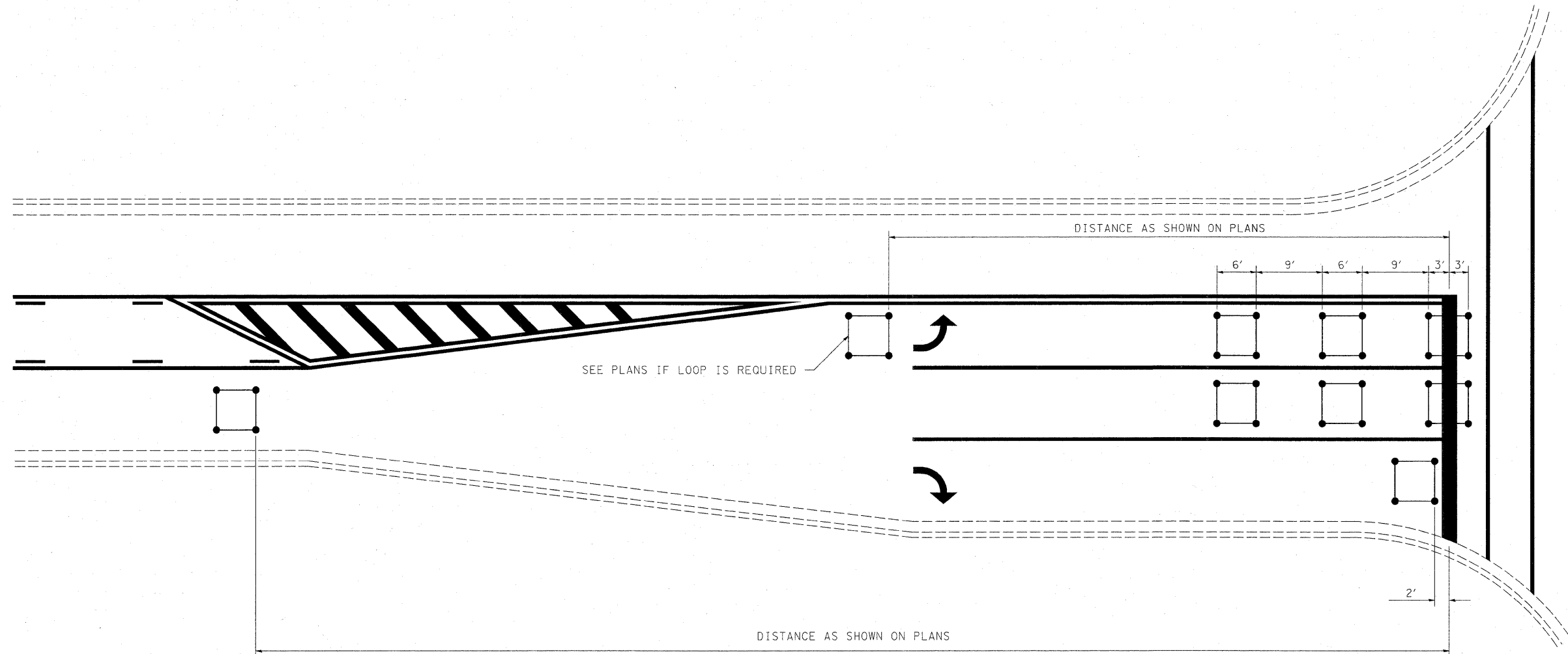
**BRIDGE DECK PATCHING
SN. 015-0025**

SCALE: 50 SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 824 SECTION (16-2,19X-2)RS-1,19B,19BR COUNTY Coles TOTAL SHEETS 49 SHEET NO. 46

CONTRACT NO. 74157
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

TYPICAL APPLICATION OF DETECTOR LOOPS

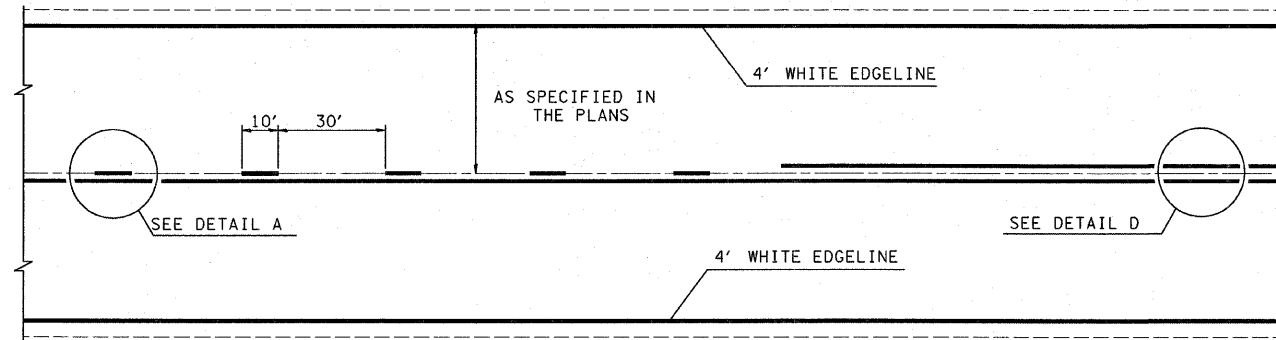


NOTE:

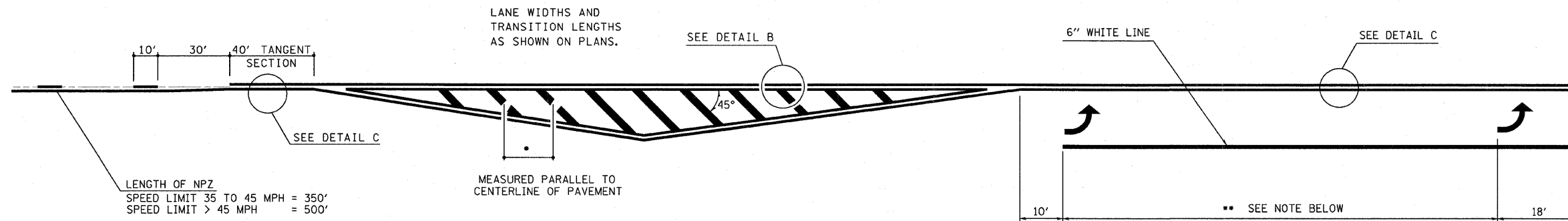
1. EACH LOOP SHALL HAVE ITS OWN HOMERUN TO THE GULFBOX/HANDHOLE.
2. LOOPS SHOULD BE CENTERED IN EACH LANE.
3. USE 6' BY 6' LOOPS FOR LANE WIDTHS OF 11' OR GREATER.
4. USE 5' BY 5' LOOPS IF LANE WIDTH IS LESS THAN 11'.

NOT TO SCALE

FILE NAME =	USER NAME = staffennk	DESIGNED -	REVISED - MKS 4-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS OF DETECTOR LOOPS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\pwork\pwork\STEFFENMK\dms50699\st	tdet_74157.dgn	DRAWN -	REVISED -		SCALE: N/A	SHEET NO.	OF	SHEETS	STA.	TO STA.	824	(16-2,19X-2)RS-1,198,198R	Coles	49 47
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -								CONTRACT NO. 74157			
	PLOT DATE = 2/9/2009	DATE -	REVISED -								ILLINOIS FED. AID PROJECT			



TYPICAL CENTERLINE, NO PASSING ZONE LINE (NPZ) & EDGELINE MARKINGS
2-LANE PAVEMENT



LENGTH OF NPZ
SPEED LIMIT 35 TO 45 MPH = 350'
SPEED LIMIT > 45 MPH = 500'

•DIAGONAL SPACING

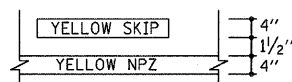
SPEED LIMIT < 30 MPH = 15'
SPEED LIMIT 30 TO 45 MPH = 20'
SPEED LIMIT > 45 MPH = 30'

** PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.
PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR, IF REQUIRED.
ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.

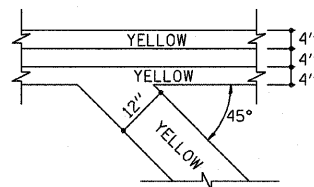
NOTES:

1. OMIT EDGELINE THRU SIDE ROADS.
2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
3. WHEN MEDIANS ARE PRESENT, PLACE A SINGLE YELLOW STRIPE AROUND ITS PERIMETER.

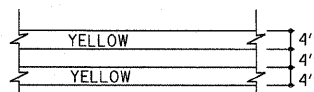
DETAIL A



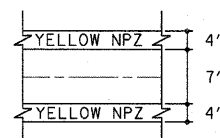
DETAIL B



DETAIL C



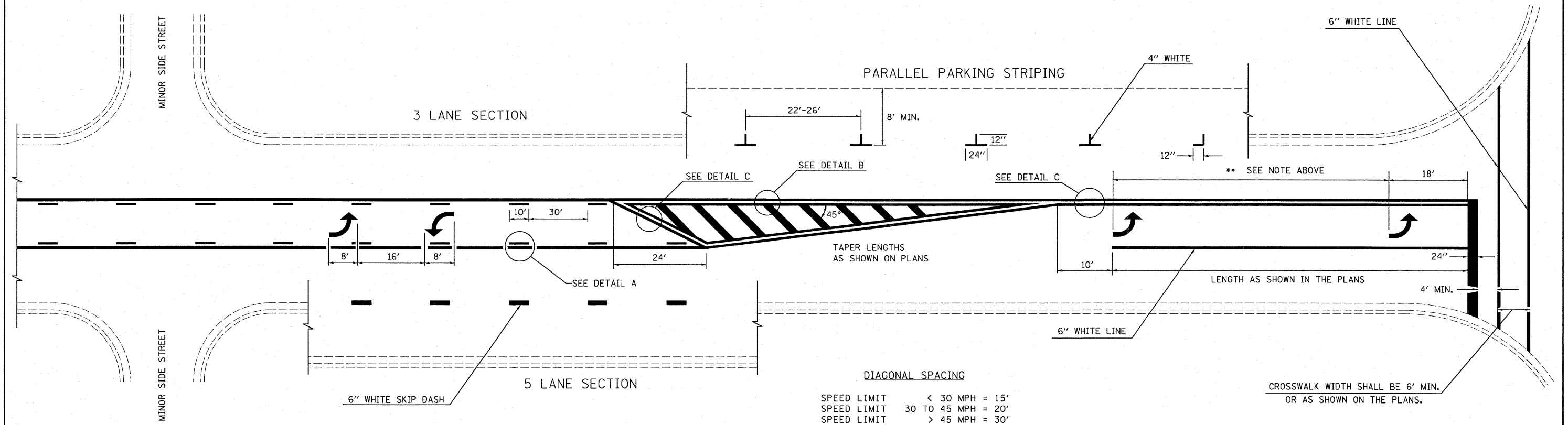
DETAIL D



NOT TO SCALE

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS SHEET 1 OF 2		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PW\IDOT\STEFFENK\dms50699\	tdet_74157.dgn	DRAWN -	REVISED -				824	(16-2,19X-2)RS-1,19B,19BR	Coles	49	48
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 74157						
PLOT DATE = 2/9/2009	DATE -	REVISED -	REVISED -		SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

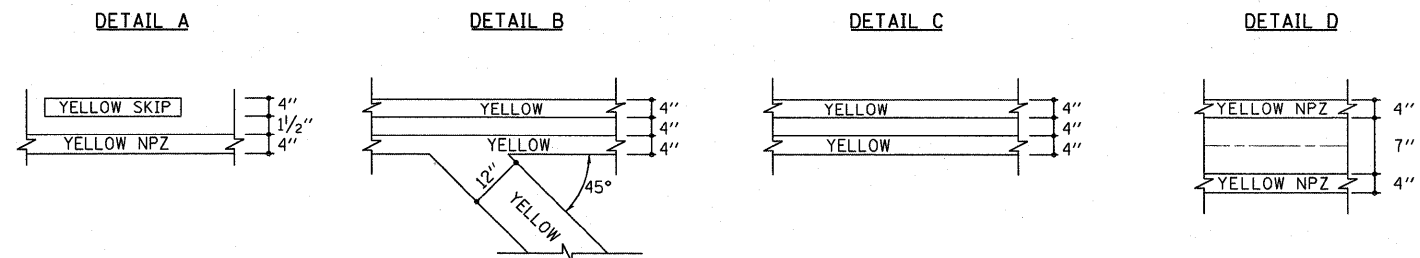
•• PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.
 PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED,
 ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.



DIAGONAL SPACING
 SPEED LIMIT < 30 MPH = 15'
 SPEED LIMIT 30 TO 45 MPH = 20'
 SPEED LIMIT > 45 MPH = 30'

TYPICAL BI-DIRECTIONAL TURN LANE MARKINGS
 (SHOWING TRANSITION TO EXCLUSIVE LEFT TURN LANE)

- NOTE:**
1. NO LESS THAN 2 ARROWS SHALL BE USED.
 2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
 3. AVOID PLACING BI-DIRECTIONAL ARROWS IN INTERSECTIONS.
 4. BI-DIRECTIONAL ARROWS SHALL BE SPACED A MAXIMUM OF 250'.



NOT TO SCALE

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED - MMO 12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS SHEET 2 OF 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ca:\pwwork\pwidot\STEFFENMK\dms50699\st	tdet_74157.dgn	DRAWN -	REVISED - DRM 08-04		SCALE: N/A	SHEET NO. OF	SHEETS	STA.	TO STA.	824	(16-2,19X-2)RS-1,198,198R	Coles	49	49
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED - MKS 04-08											
	PLOT DATE = 2/9/2009	DATE -	REVISED -											
										CONTRACT NO. 74157			ILLINOIS FED. AID PROJECT	