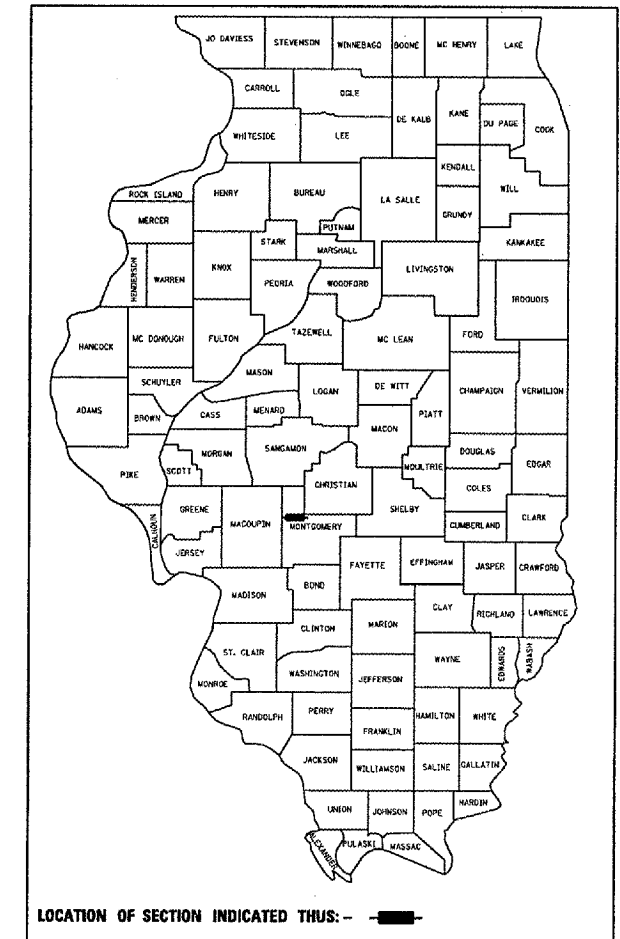


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	1

CONTRACT NO. 72816

D-96-539-03

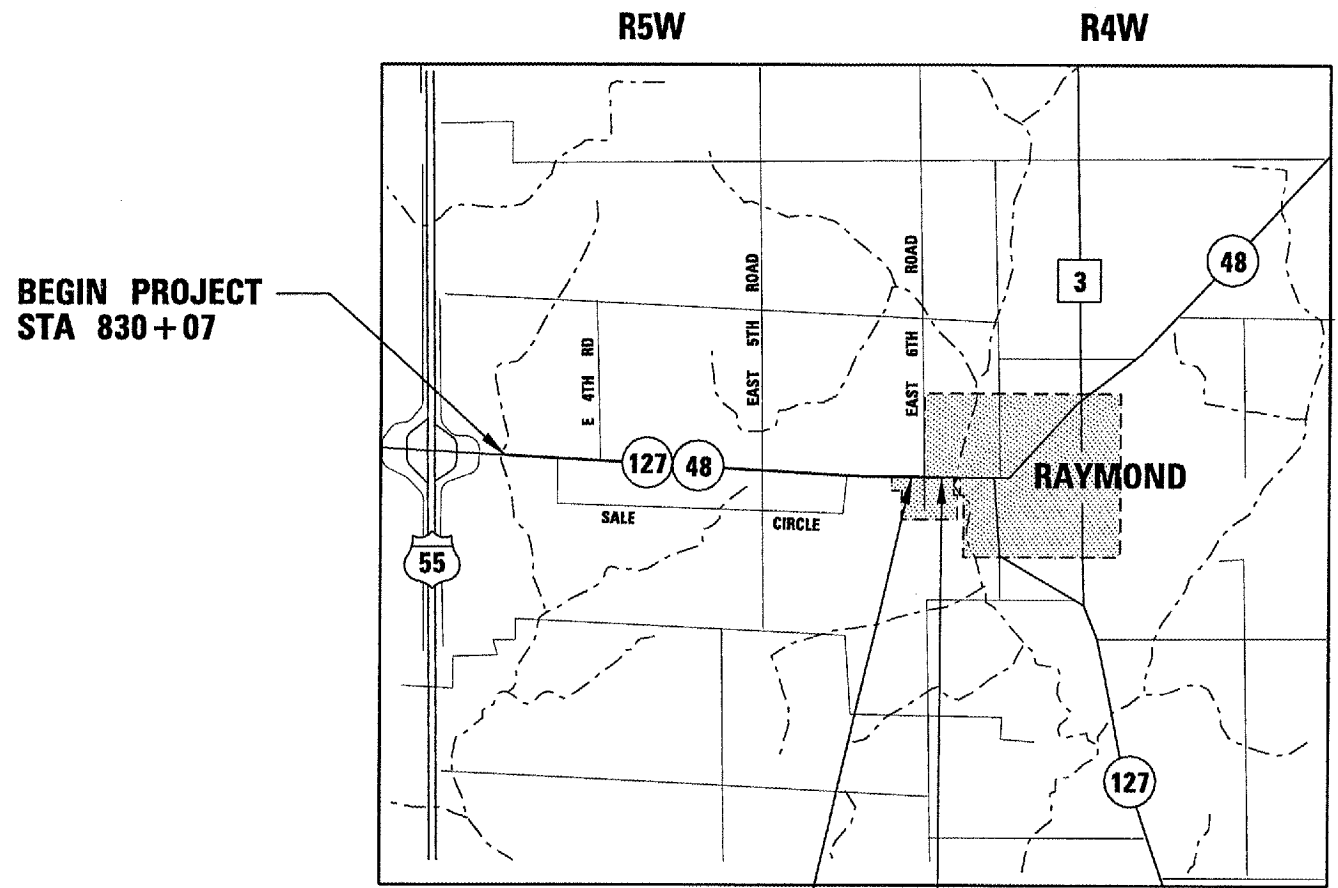


LOCATION OF SECTION INDICATED THUS: ———

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**HIGHWAY CLASSIFICATION
 FUNCTIONAL CLASS:**
 IL 48 /127 - MINOR ARTERIAL
 A.D.T. (2001) - 5285
 A.D.T. (2003) - 5300
 A.D.T. (2007) - 5500
 PV - 86.8%
 SU - 2.8%
 MU - 10.4%

FAP ROUTE 42 (IL 48 /IL 127)
 SECTION 101RS-6
 PROJECT: F-0042(098)
 MONTGOMERY COUNTY
 C-96-519-07

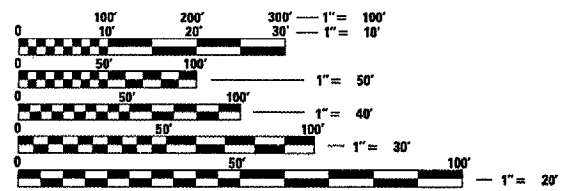


BEGIN PROJECT
 STA 830+07

STATION EQUATION
 STA 962+91.93 (BK) =
 STA 962+85.96 (AHD)

END PROJECT
 STA 965+67

NET LENGTH = 13,566 FEET = 2.57 MILES



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

CONTRACT NO. 72816

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-6990
 SQUAD LEADER: MICHAEL HIRSCH (217) 782-8893

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED JUNE 30, 2006
Chris M. Rees
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 18, 2006
Mike Hene
 ENGINEER OF DESIGN AND ENVIRONMENT

August 18, 2006
Milton R. Sears, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	10IRS-6	MONTGOMERY	16	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, STANDARDS, GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6 SCHEDULE OF QUANTITIES
- 7-11 PLAN SHEETS
- 12 DRAINAGE DETAIL
- 13 DISTRICT 6 ENTRANCE DETAILS
- 14 DISTRICT 6 MAILBOX TURNOUT DETAILS
- 15 ENTRANCE IMPROVEMENT SCHEDULE
- 16 BUTT JOINT AND RAMP DETAILS

GENERAL NOTES

1. 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 PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
2. ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS, WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
3. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBERS SHOWN ON THE INDEX OF SHEETS, LIST OF STATE STANDARDS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
4. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FINISHED AT THE UNIT PRICE BID FOR THE WORK.
5. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATION OCCURS DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS BEING PLACED. THE CONSTRUCTED THICKNESS OF THE BITUMINOUS MIXTURE SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
6. ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U. S. G. S. MEAN SEA LEVEL DATUM.
7. CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE BITUMINOUS SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.
8. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT ARE NOT GUARANTEED. ALL UTILITY LOCATIONS SHOWN ARE SUPPLIED BY THE UTILITY COMPANIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
9. "NO PASSING ZONES" TO BE VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS 14 DAYS PRIOR TO PAVEMENT MARKING OPERATIONS.
10. THERE SHALL BE NO LANE CLOSURES WITHOUT FLAGGER PROTECTION.
11. THE CONTRACTOR SHALL FURNISH AND ERECT "ROAD CONSTRUCTION NEXT 3 MILES" G20-1(0)48 AT EACH APPROACHING END OF THIS PROJECT. THE CONTRACTOR SHALL ALSO FURNISH AND ERECT "ROAD CONSTRUCTION AHEAD" SIGNS ON ALL SIDE ROADS WHEN WORKING WITHIN THE LIMITS OF THE PROJECT'S SIDE ROAD INTERSECTIONS. ALL OTHER SIGNING SHALL BE MOUNTED SO AS TO KEEP THE PROPER SPACING WITH ALL OTHER STANDARD OPERATIONS.

LIST OF STATE STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 442201-01 CLASS C AND D PATCHES
- 701001-01 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5m (15') AWAY
- 701011-01 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701106-01 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5m (15') AWAY
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > or = 45 MPH
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > or = 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 702001-05 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

APPLICATION RATES

BITUMINOUS CONCRETE:

BITUMINOUS MATERIALS (PRIME COAT) ON AGGREGATE	0.001425 TONS/SQ YD
BITUMINOUS MATERIALS (PRIME COAT) ON BITUMINOUS AGGREGATE (PRIME COAT)	0.00038 TONS/SQ YD
BITUMINOUS CONCRETE BASE, BINDER & SURFACE COURSE (112 LBS)	0.002 TONS/SQ YD
	0.056 TON/SQ YD INCH

AGGREGATE:

AGGREGATE (SURFACE, BASE, SUB-BASE, OR BACKFILL) 2.05 TON/CU YD

MIXTURE REQUIREMENTS

MIXTURE USE(S)	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE	LEVELING BINDER SUPERPAVE	INCIDENTAL BITUMINOUS SURFACE
AC/PG	SBS PG 70-22	PG 64-22	PG 64-22
RAP % (MAX)	0	15	15
DESIGN AIR VOIDS	4.0% ± N70	4.0% ± N70	4.0% ± N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5	IL 9.5 OR 12.5
VOLUMETRIC REQ'S			
FRICTION AGGREGATE	MIX "D"	N/A	MIX "C"

EXAMINED <u>June 29</u> 20 <u>06</u> <u>W.R. Jones</u> PROGRAM IMPLEMENTATION ENGINEER
EXAMINED <u>JUNE 30</u> 20 <u>06</u> <u>William E. Menter</u> PROGRAM DEVELOPMENT ENGINEER

DISTRICT SIX	
EXAMINED <u>June 29</u> 20 <u>06</u> <u>Sam H. Adams</u> OPERATIONS ENGINEER	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 10IRS-6
 MONTGOMERY COUNTY
 INDEX OF SHEETS, STANDARDS
 AND GENERAL NOTES
 DRAWN BY: DLB CHECKED BY: CAS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

SUMMARY OF QUANTITIES				80% FED 20% STATE	80% FED 20% STATE
				I000 RURAL	I000 <i>RURAL</i>
CODE	ITEM	UNIT	TOTAL		
25100630	EROSION CONTROL BLANKET	SQ YD	23	23	
35800100	PREPARATION OF BASE	SQ YD	528	360	168
40600200	BITUMINOUS MATERIAL (PRIME COAT)	TON	35	32	3
40600300	AGGREGATE (PRIME COAT)	TON	90	81	9
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	808	500	308
40600990	TEMPORARY RAMP	SQ YD	196	128	68
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	43,759	39,939	3,820
44000100	PAVEMENT REMOVAL	SQ YD	25		25
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	204	185	19
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	706	636	70
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	400	360	40
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	732	659	73

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY

SUMMARY OF QUANTITIES

DRAWN BY: DLB

CHECKED BY: GLF

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

SUMMARY OF QUANTITIES				80% FED 20% STATE	80% FED 20% STATE
CODE	ITEM	UNIT	TOTAL	I000 RURAL	I000 RURAL
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,130	1,031	99
67100100	MOBILIZATION	L SUM	1	0.9	0.1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.9	0.1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.9	0.1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,684	3,324	360
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	32,182	29,306	2,876
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,535	1,385	150
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	32,182	29,306	2,876
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	173	155	18
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	173	155	18
X4066526	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	3,698	3,365	333
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	103	46	57
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	1	1	

*SPECIALTY ITEMS

REVISIONS	DATE
NAME	

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY

SUMMARY OF QUANTITIES

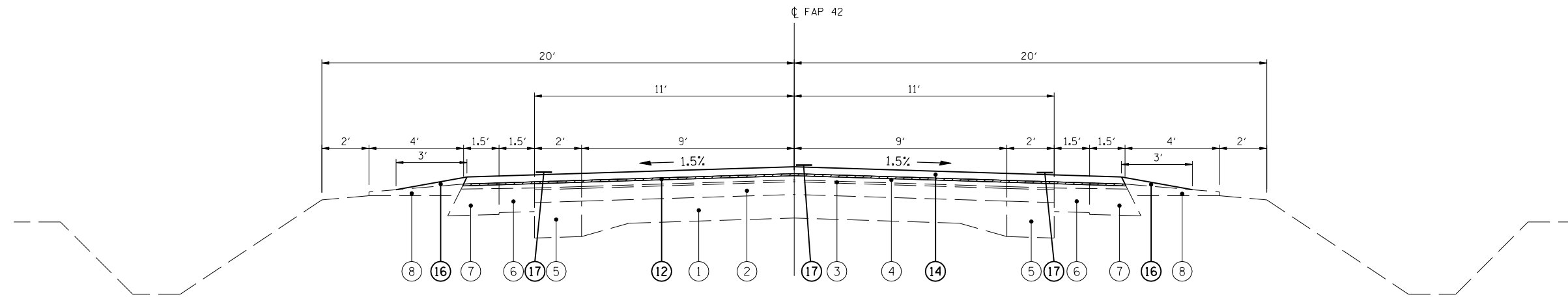
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SUMMARY OF QUANTITIES

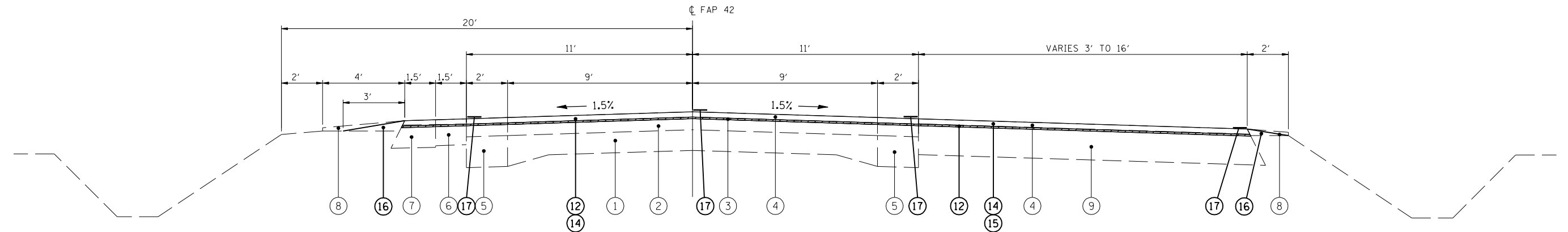
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	10IRS-6	MONTGOMERY	16	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 72816



TYPICAL SECTION - FAP ROUTE 42 (IL 48)

STA 830+07.0 TO STA 908+80.0
 STA 925+20.0 TO STA 965+67.0

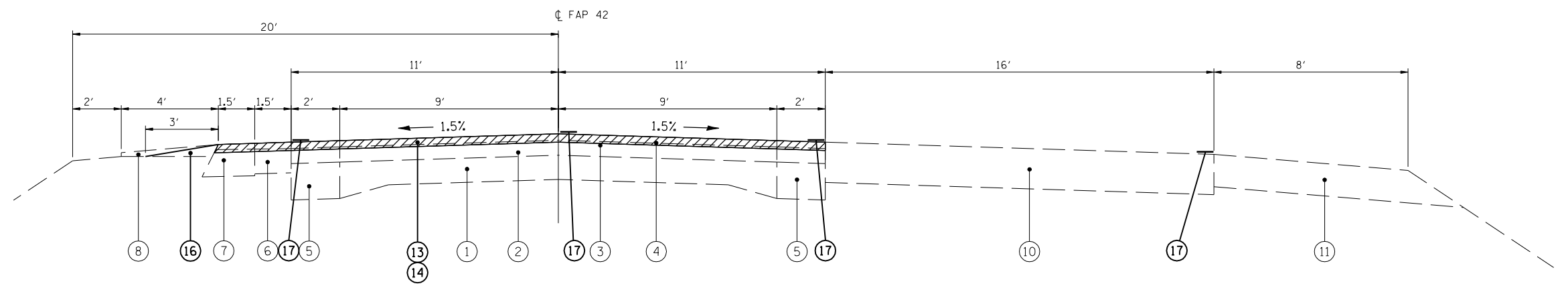


TYPICAL SECTION - FAP ROUTE 42 (IL 48) ADJACENT TO PORTABLE SCALE LANE

STA 908+80.0 TO STA 916+75.0
 STA 917+25.0 TO STA 925+20.0

LEGEND

- ① EXISTING 6" PCC PAVEMENT
- ② EXISTING 3 1/4" BITUMINOUS SURFACE
- ③ EXISTING 1/2" LEVELING BINDER
- ④ EXISTING 1 1/2" BITUMINOUS SURFACE
- ⑤ EXISTING 9" BITUMINOUS BASE COURSE WIDENING
- ⑥ EXISTING 6" BITUMINOUS SHOULDER
- ⑦ EXISTING 6 1/2" BITUMINOUS SHOULDER
- ⑧ EXISTING AGGREGATE SHOULDER
- ⑨ EXISTING 9" BITUMINOUS BASE COURSE
- ⑩ EXISTING 10" PCC PAVEMENT
- ⑪ EXISTING 8" AGGREGATE BASE COURSE
- ⑫ PR BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)
- ⑬ PR BITUMINOUS SURFACE REMOVAL 1 1/2"
- ⑭ PR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 1 1/2"
- ⑮ PR AGGREGATE SHOULDER, TYPE B
- ⑯ PR PAINT PAVEMENT MARKING - 5"



TYPICAL SECTION - FAP ROUTE 42 (IL 48)

ADJACENT TO PORTABLE SCALE LANE

STA 916+75.0 TO STA 917+25

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 10IRS-6
 MONTGOMERY COUNTY
 TYPICAL SECTIONS
 DRAWN BY: DLB
 CHECKED BY: CAS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	10IRS-6	MONTGOMERY	16	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

PAVEMENT MARKING

STATION	TO	STATION	SHORT TERM PAVEMENT MARKING FOOT	TEMPORARY PAVEMENT MARKING LINE 5" FOOT	WORK ZONE PAVEMENT MARKING REMOVAL SQ FT	PAINT PAVEMENT MARKING LINE 5" FOOT	RAISED REFLECTIVE PAVEMENT MARKER EACH	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL EACH
830+07	TO	953+00	3,324.0	27,666.0	1,385.0	27,666.0	155	155
953+00	TO	962+92	276.0	2,233.9	115.0	2,233.9	13	13
962+86	TO	965+67	84.0	642.1	35.0	642.1	5	5
908+80	TO	925+20		1,640.0		1,640.0		
PROJECT TOTAL			3,684.0	32,182.0	1,535.0	32,182.0	173	173

TEMPORARY RAMP

STATION	BITUMINOUS SURFACE REM-BUTT JOINT SQ YD	TEMPORARY RAMP SQ YD
830+07.00	140.00	15.60
916+75.00		8.90
917+25.00		8.90
831+75.00	21.80	
832+90.00	31.10	
841+85.00	43.30	18.90
855+79.00	43.30	18.90
908+17.00	43.30	18.90
908+17.00	43.30	18.90
933+00.00	19.40	
935+72.00	43.30	18.90
942+75.00	28.80	
951+50.00	42.20	
956+55.00	76.70	33.90
957+65.00	27.60	
958+24.00	9.70	
962+00.00	54.40	18.90
965+67.00	140.00	15.60
PROJECT TOTAL	808.0	196.0

PAVEMENT

BEGINNING STATION	ENDING STATION	BITUMINOUS MATERIALS (PRIME COAT) TON	AGGREGATE (PRIME COAT) TON	AGGREGATE SHOULDERS, TYPE B TON	POLYMERIZED BIT CONC SURFACE COURSE SUPERPAVE, MIX "D", N70, 1 1/2" TON	INCIDENTAL BITUMINOUS SURFACING SUPERPAVE, N50 TON	PREPARATION OF BASE SQ YD
830+07.00	953+00.00	29.07	76.49	1050.00	3211.18		
953+00.00	962+91.93	2.35	6.17	84.70	259.22		
962+85.96	965+67.00	0.66	1.75	24.00	73.45		
908+80.00	912+00.00	0.18	0.46		19.41		
912+00.00	916+75.00	0.52	1.37		57.63		
917+25.00	922+00.00	0.52	1.37		57.63		
922+00.00	925+20.00	0.18	0.46		19.41		
831+75	RT	0.01	0.07	-1.50		2.70	21.8
832+90	LT	0.02	0.10	-2.00		3.90	31.1
841+85	RT	0.03	0.14	-2.10		5.50	43.3
855+79	LT	0.03	0.14	-2.10		5.50	43.3
908+17	LT	0.03	0.14	-2.10		5.50	43.3
908+17	RT	0.03	0.14	-2.10		5.50	43.3
933+00	LT	0.01	0.06	-1.40		2.50	19.4
935+72	RT	0.03	0.14	-2.10		5.50	43.3
942+75	LT	0.02	0.09	-1.90		3.60	28.8
951+50	RT	0.03	0.13	-2.10		5.30	42.2
956+55	LT	0.05	0.25	-3.60		34.30	76.7
957+65	RT	0.02	0.09	-2.00		5.40	27.6
958+24	LT	0.01	0.03	-1.50		1.90	9.7
962+00	RT	0.03	0.17	-2.50		6.90	54.4
962+00	LT	0.01	0.03			8.10	
PROJECT TOTAL		35.0	90.0	1,130.0	3,698.0	103.0	528.0

SURFACE REMOVAL

BEGINNING STATION	ENDING STATION	BITUMINOUS SURFACE REM (VAR DEPTH) SQ YD	PAVEMENT REMOVAL SQ YD
830+52.00	916+45.00	26,733.8	
916+45.00	917+55.00	342.2	
917+55.00	953+00.00	11,028.9	
953+00.00	962+91.93	3,086.0	
962+85.96	965+22.00	734.4	
908+80.00	912+00.00	231.1	
912+00.00	916+75.00	686.1	
917+25.00	922+00.00	686.1	
922+00.00	925+20.00	231.1	
961+70.00	962+30.00		25.0
PROJECT TOTAL		43,759.0	25.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 10IRS-6
 MONTGOMERY COUNTY

SCHEDULE OF QUANTITIES

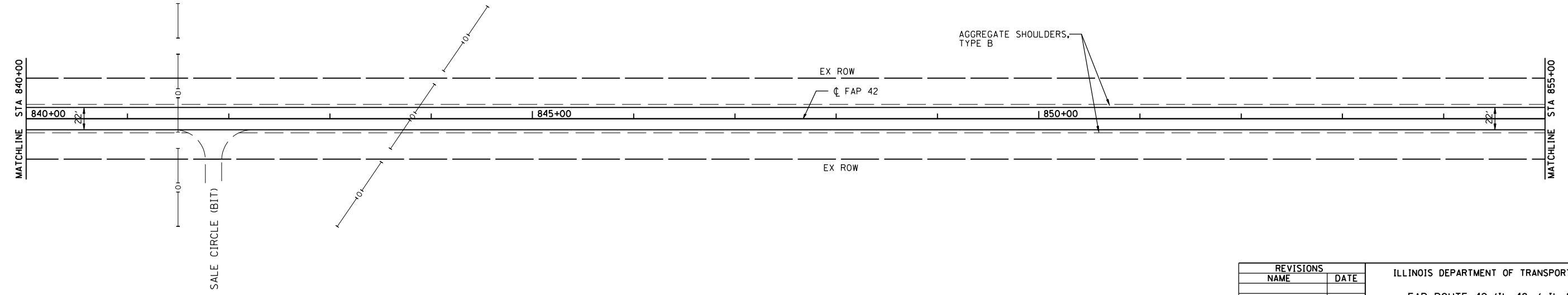
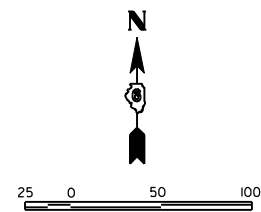
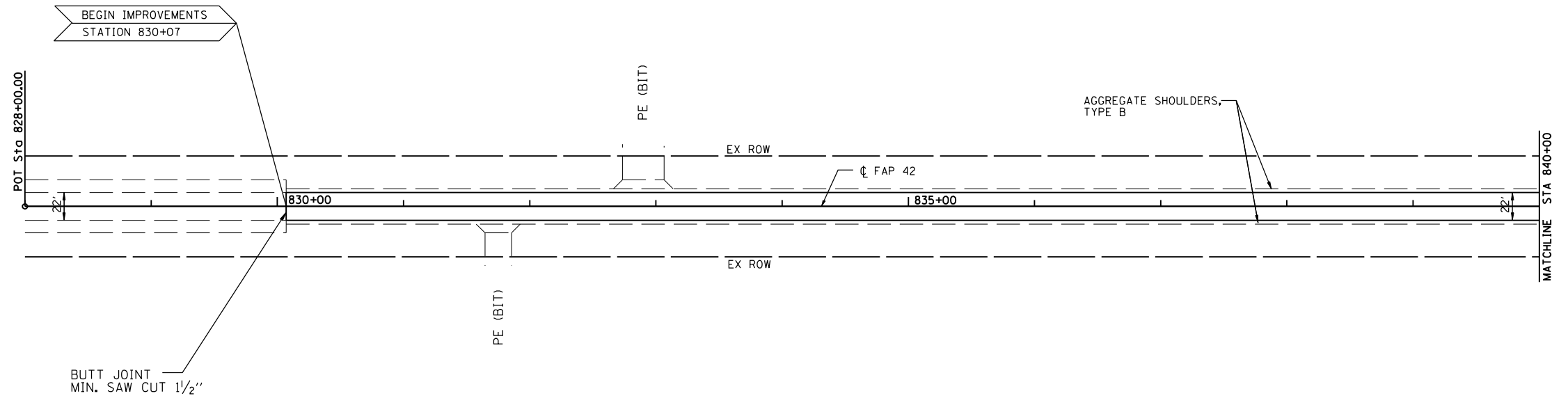
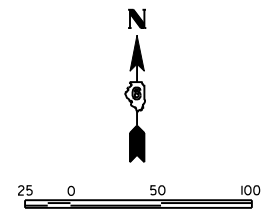
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CHECKED BY: CAS

SCHEDULE OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	10IRS-6	MONTGOMERY	16	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

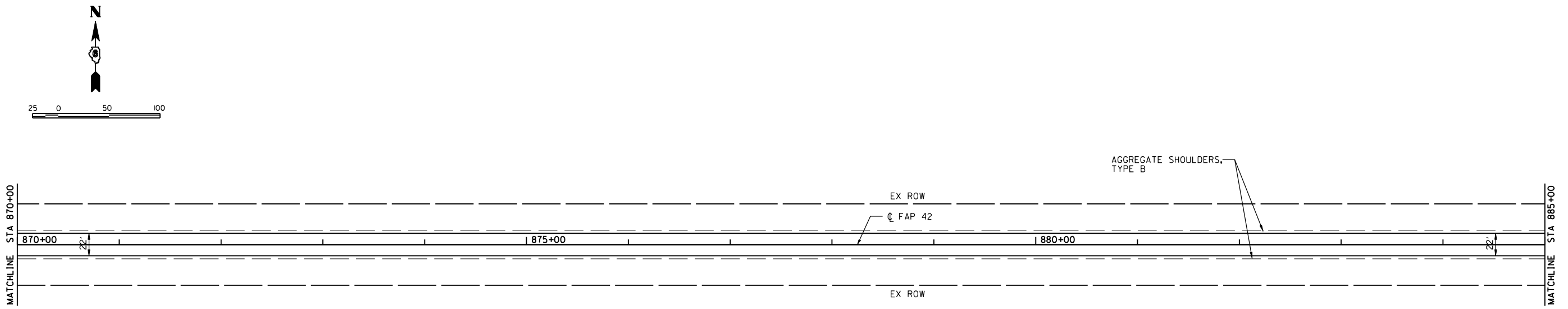
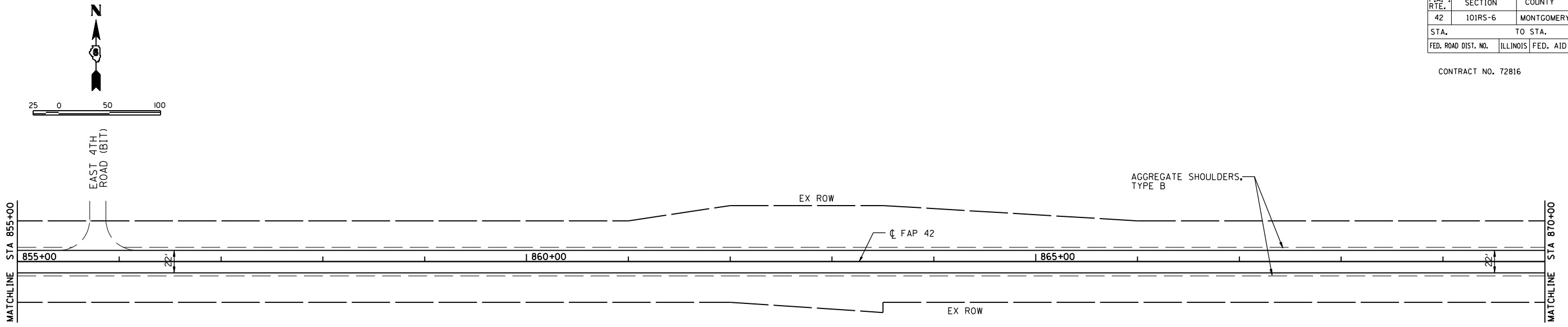


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 10IRS-6
 MONTGOMERY COUNTY
PLAN
 SCALE: VERT. DRAWN BY DLB
 HORIZ. CHECKED BY CAS
 DATE 11/03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816



REVISIONS	
NAME	DATE

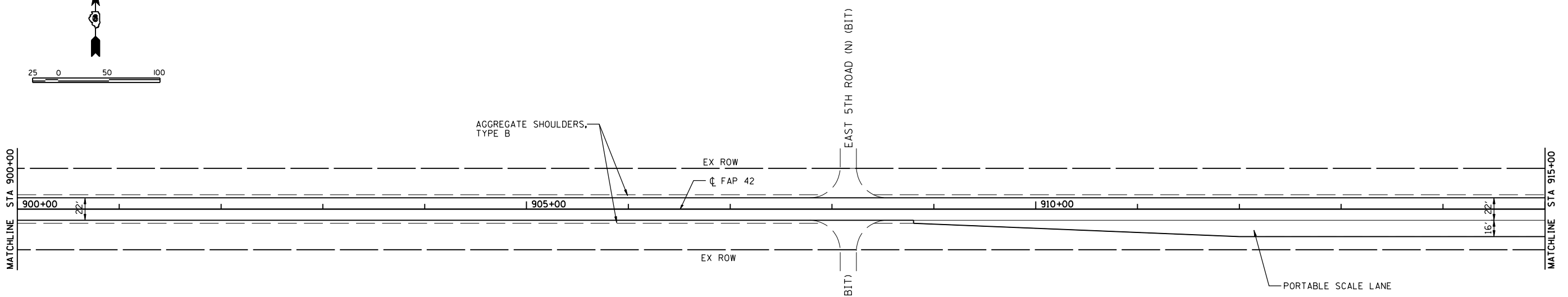
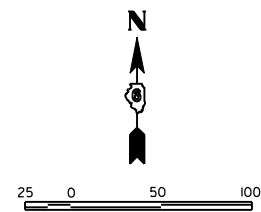
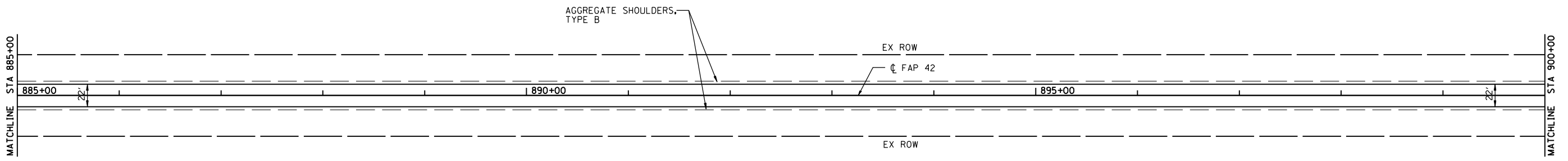
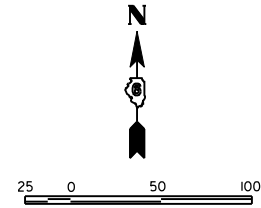
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY

PLAN

SCALE: VERT. DRAWN BY DLB
 HORIZ. CHECKED BY CAS
 DATE 11/03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816



REVISIONS	
NAME	DATE

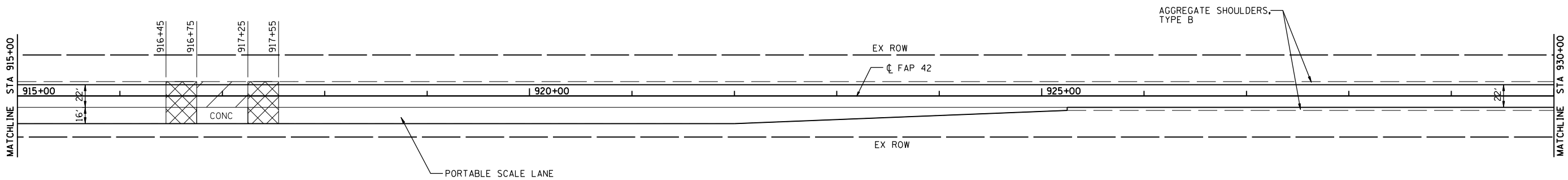
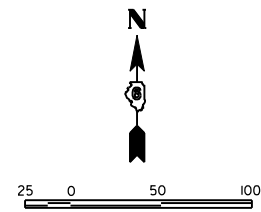
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY

PLAN

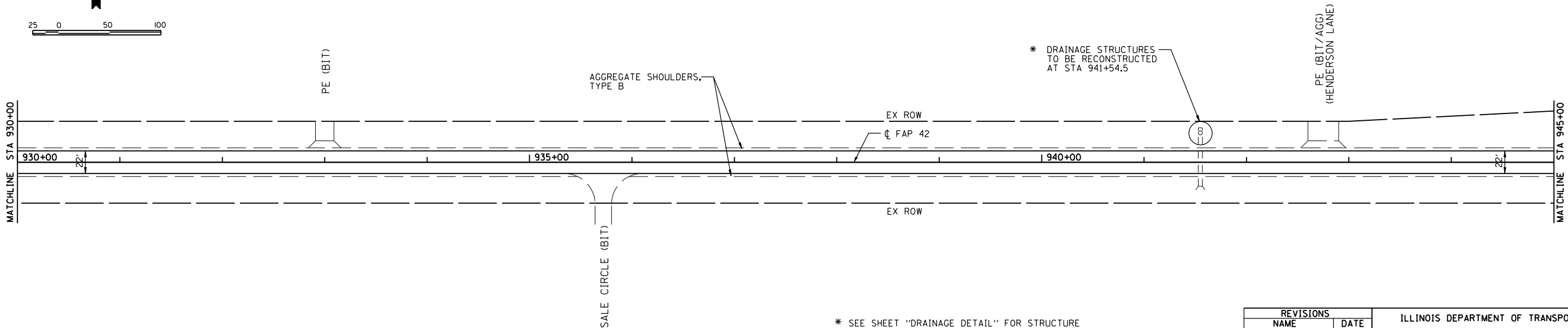
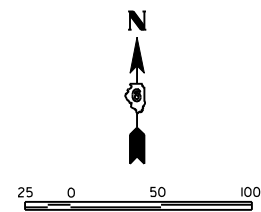
SCALE: VERT. DRAWN BY DLB
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 DATE 11/03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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- BITUMINOUS SURFACE REMOVAL 1 1/2"
- TRANSITION BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) TO BITUMINOUS SURFACE REMOVAL 1 1/2" SEE SPECIAL PROVISIONS



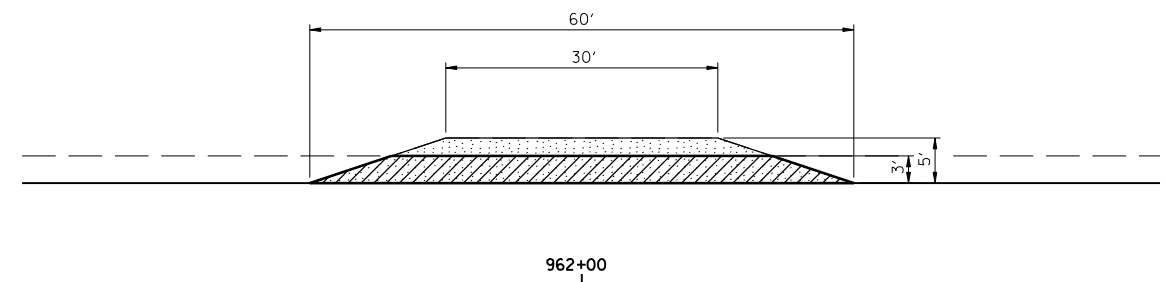
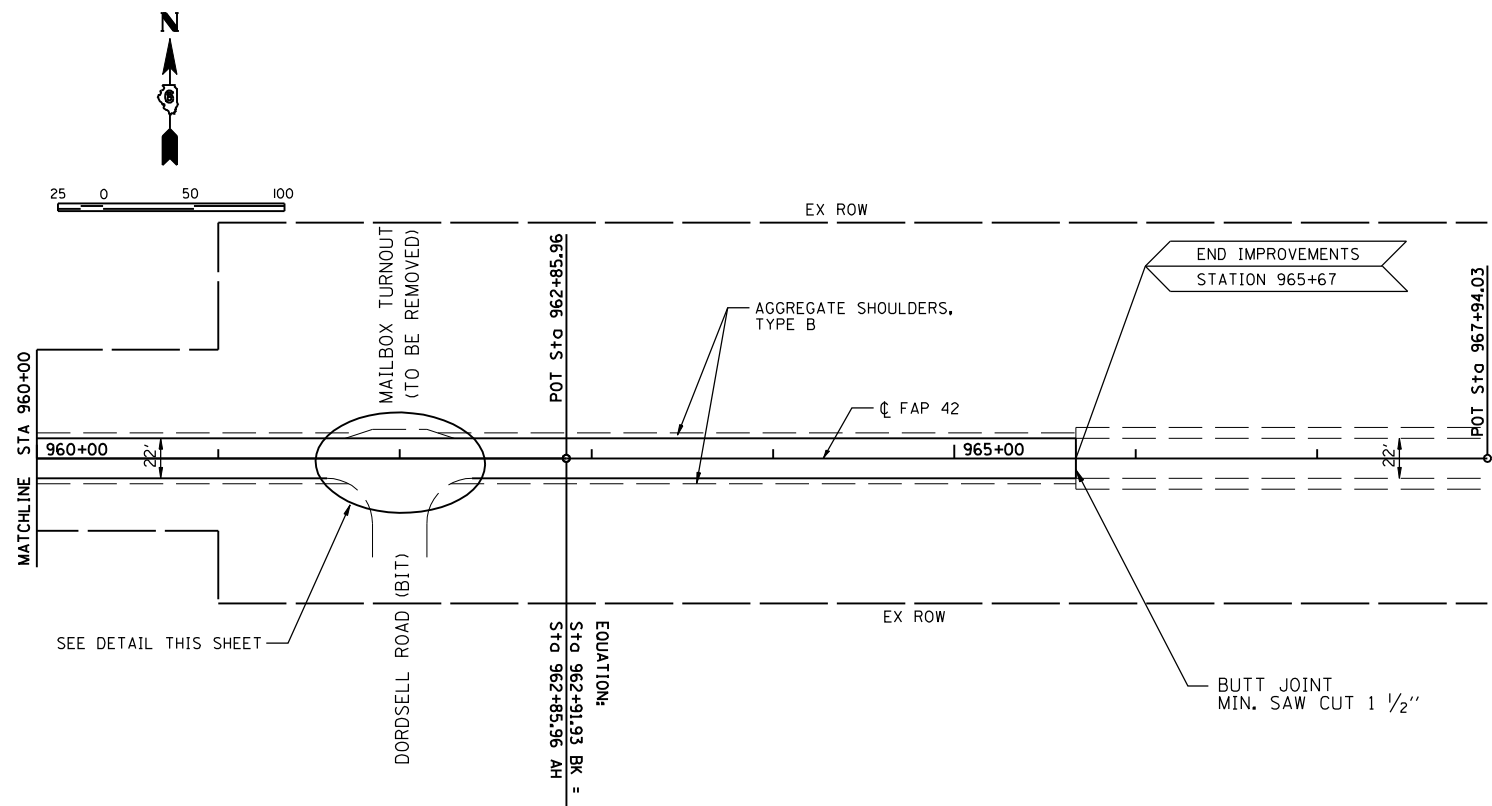
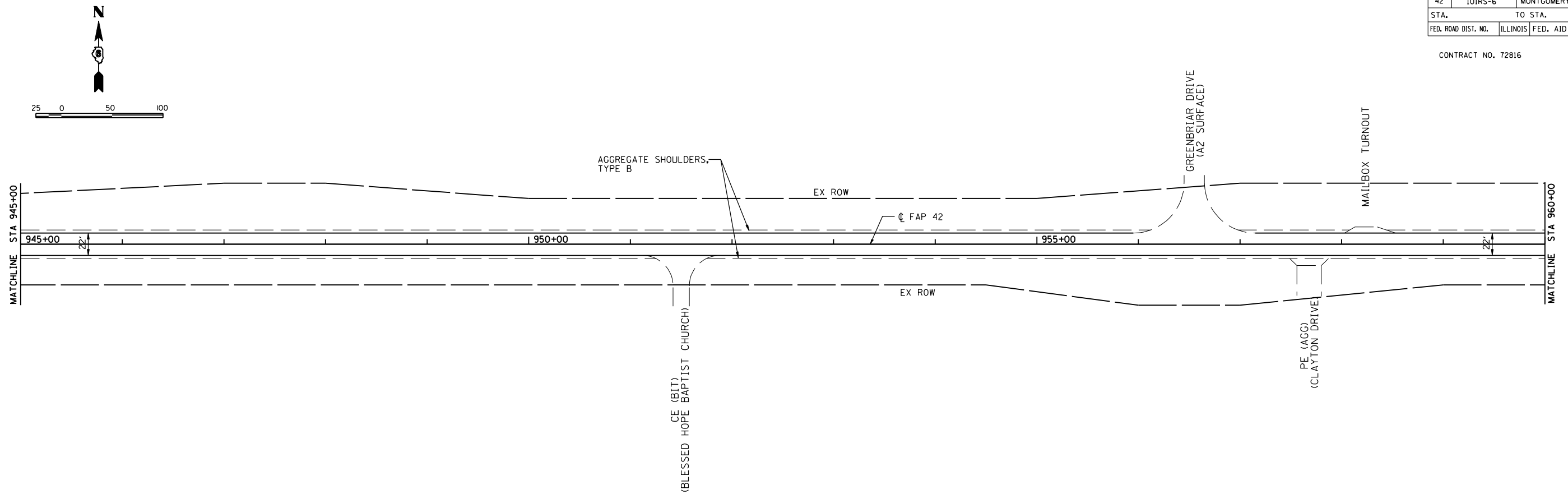
* SEE SHEET "DRAINAGE DETAIL" FOR STRUCTURE RECONSTRUCTION DETAILS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY
PLAN
 SCALE: VERT. DRAWN BY DLB
 HORIZ. CHECKED BY CAS
 DATE 11/03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816



AREA OF PAVEMENT REMOVAL
 AREA OF "INCIDENTAL BITUMINOUS SURFACING" AT 8" DEPTH

MAILBOX TURN-OUT REMOVAL DETAIL

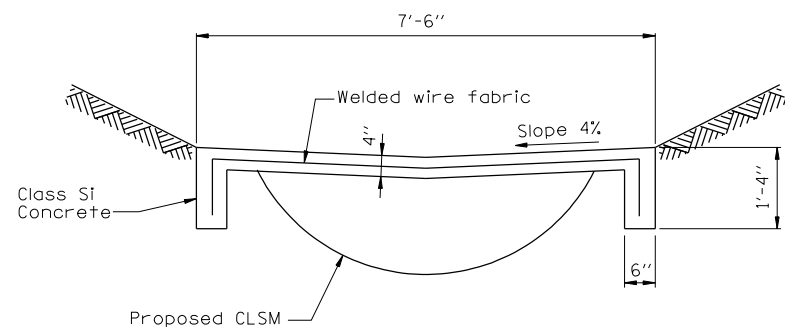
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY
PLAN
 SCALE: VERT. DATE 11/03
 HORIZ.
 DRAWN BY DLB
 CHECKED BY CAS

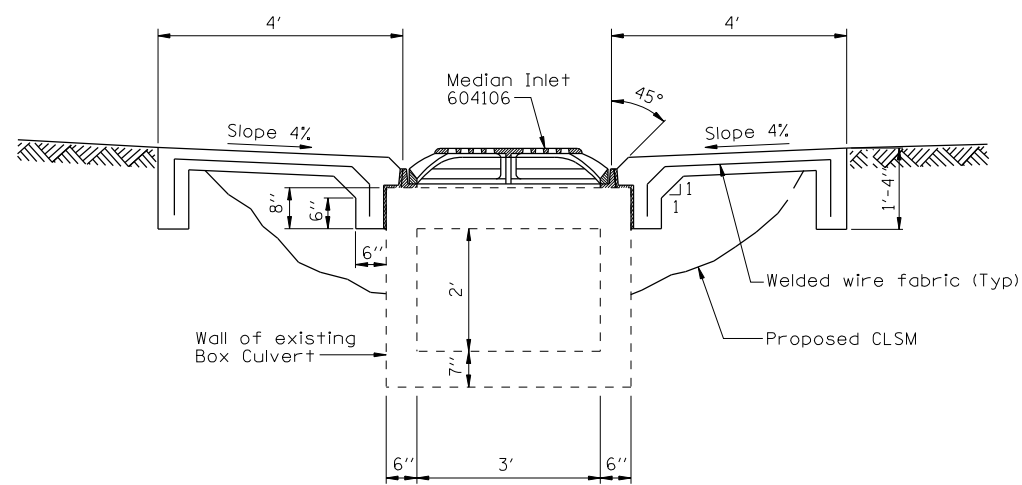
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

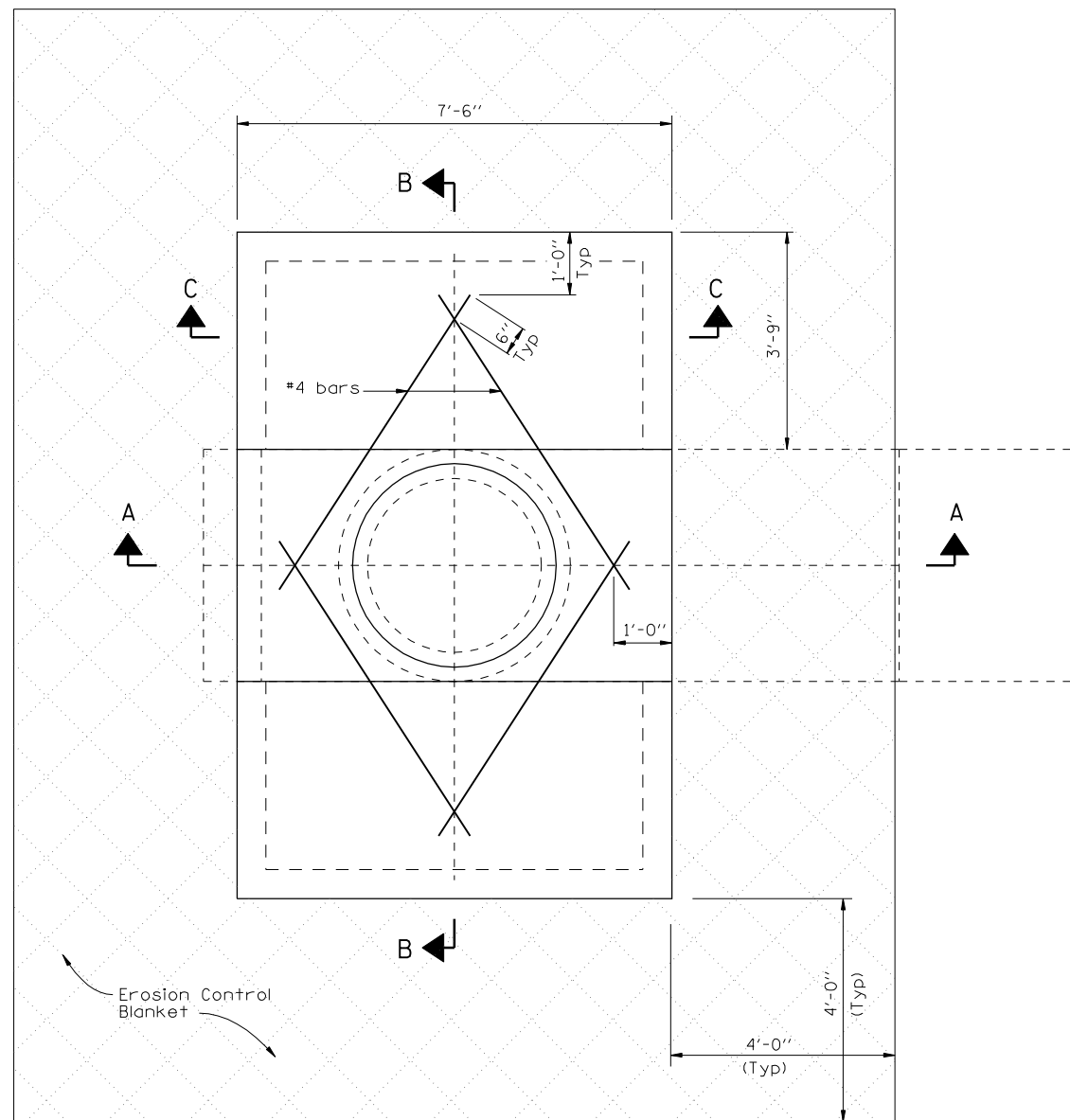
PLAN	DATE
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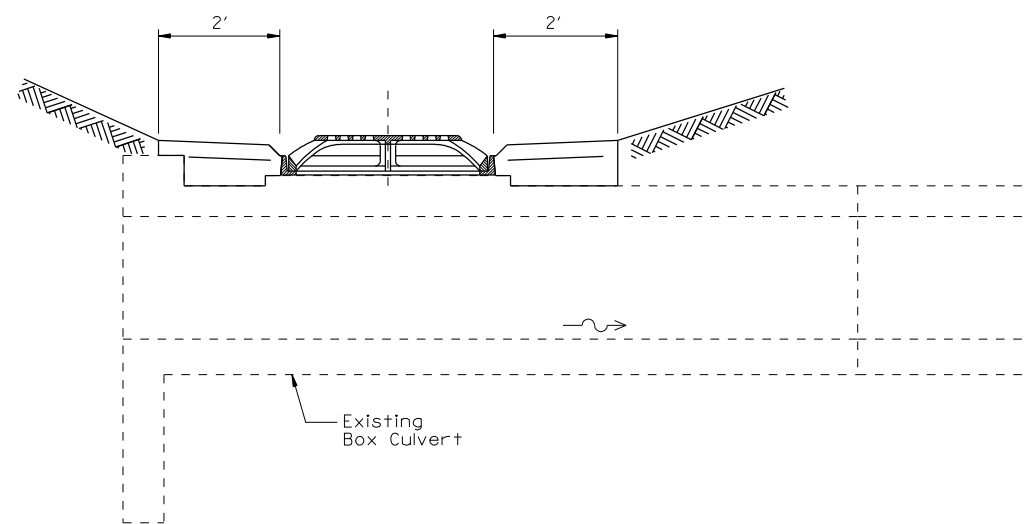
SECTION C-C



SECTION B-B



LOCATION SKETCH - PLAN



SECTION A-A

GENERAL NOTES

1. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING MEDIAN INLET AND CONCRETE APRON AT STA 941+54.5 LEFT.
2. THE CONTRACTOR SHALL PLACE CLSM AT THE LOCATIONS INDICATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
3. THE WELDED WIRE FABRIC SHALL CONFORM TO ARTICLE 604.04 FOR MEDIAN INLET STANDARD 604106.
4. THE CONTRACTOR SHALL RE-GRADE THE DISTURBED AREA, SEED THE AREA WITH CLASS I MIXTURE AND PLACE EROSION CONTROL BLANKET AS INDICATED. SEEDING & FERTILIZER WILL NOT BE PAID FOR SEPARATELY.
5. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH DRAINAGE STRUCTURES TO BE RECONSTRUCTED WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK AS DETAILED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. CLSM WILL NOT BE PAID FOR SEPARATELY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 10IRS-6
 MONTGOMERY COUNTY

DRAINAGE DETAIL

DRAWN BY: DLB

CHECKED BY: CAS

DATE: 6/29/2006
 TIME: 10:00 AM
 FILENAME: 10IRS-6-12.DWG

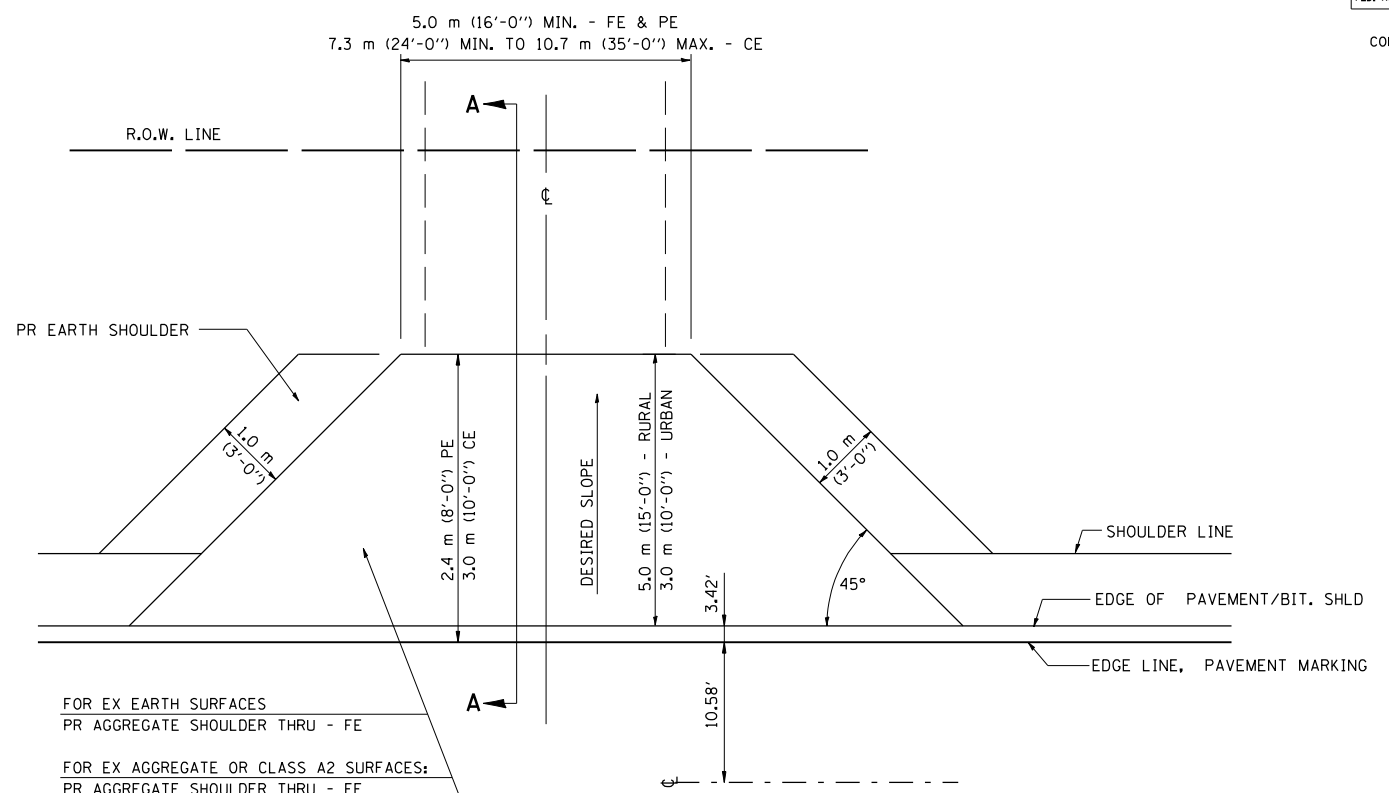
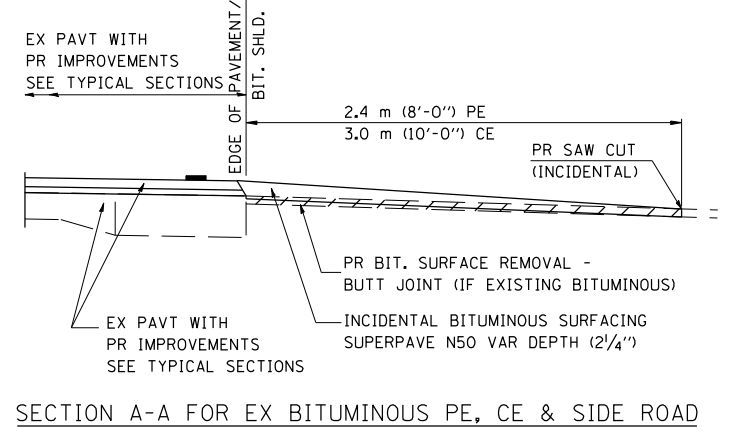
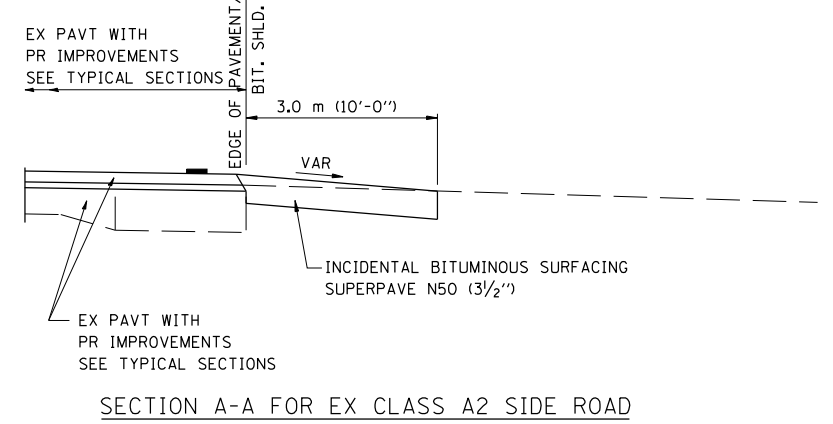
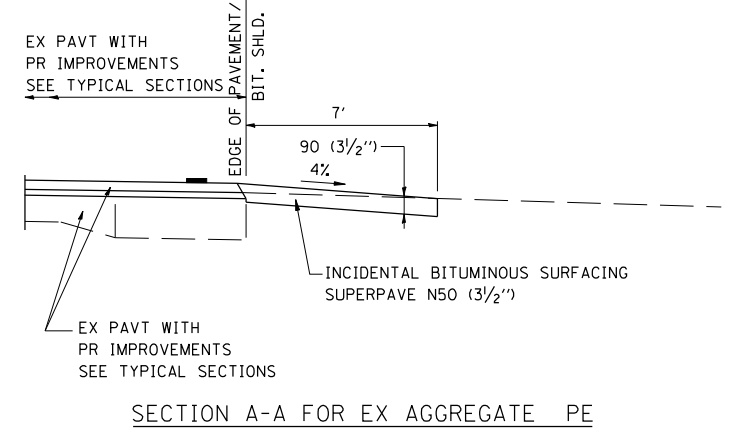
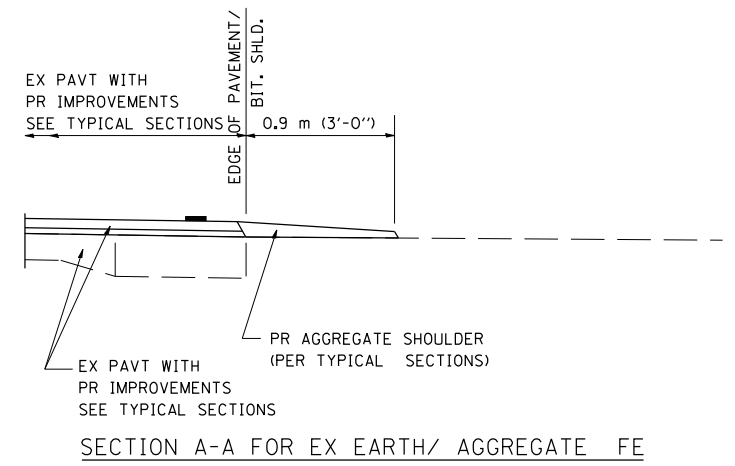
PLOT DATE: 6/29/2006

\$TIME\$

\$FILENAME\$

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816



FOR EX EARTH SURFACES
PR AGGREGATE SHOULDER THRU - FE

FOR EX AGGREGATE OR CLASS A2 SURFACES:
PR AGGREGATE SHOULDER THRU - FE
PR INCIDENTAL BITUMINOUS SURFACING,
SUPERPAVE, N50 (3 1/2'')

FOR EX BITUMINOUS CONCRETE SURFACES:
PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT
PR BITUMINOUS CONCRETE VAR DEPTH (3/4'')

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

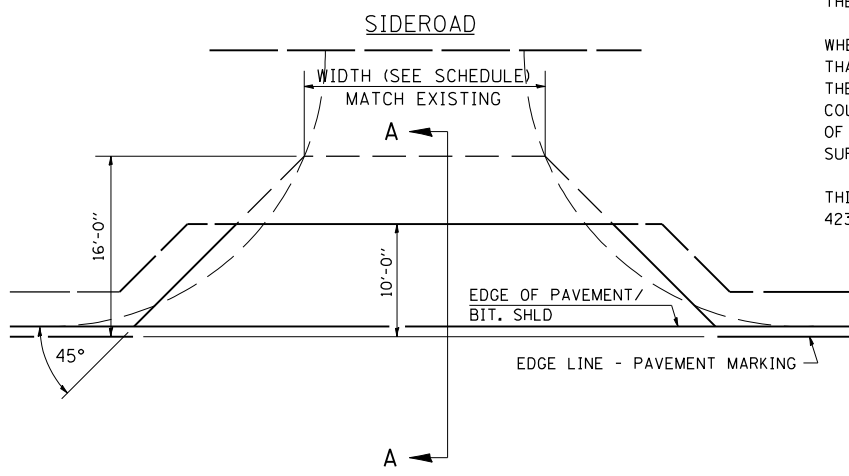
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRES PLACEMENT IN MORE THAN ONE LIFT, THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



NOTE : IF BIT. SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

REVISIONS	
NAME	DATE

SHEET 1 OF 3

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAP ROUTE 42 (IL 48 / IL 127)
SECTION 101RS-6
MONTGOMERY COUNTY

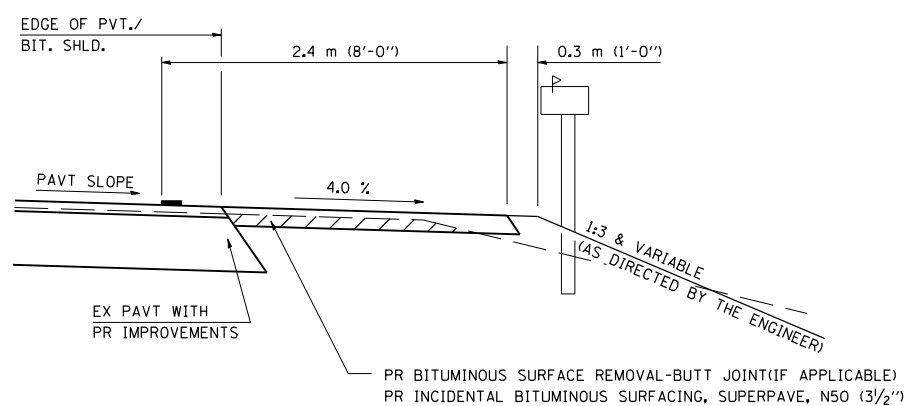
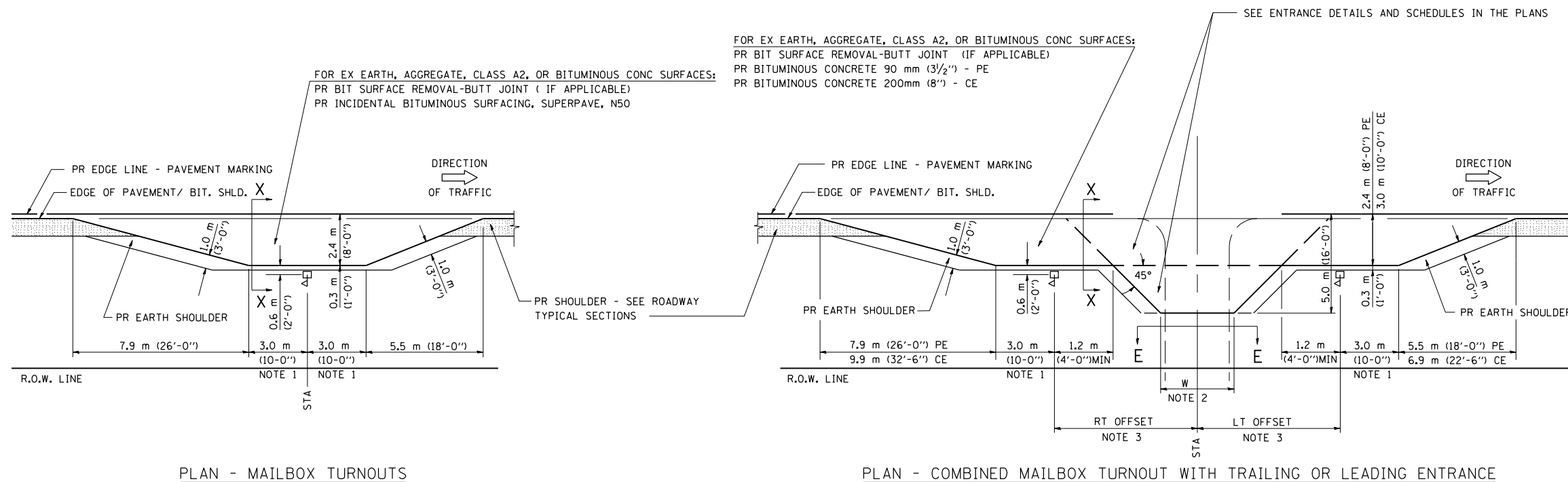
DISTRICT 6 ENTRANCE DETAILS

SCALE: _____ DRAWN BY DLB
DATE _____ CHECKED BY CAS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

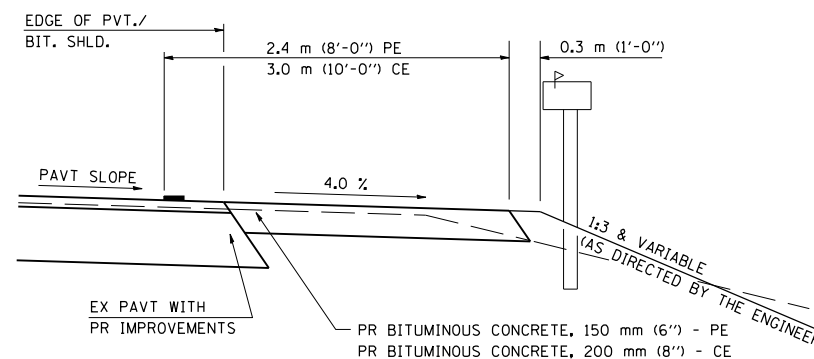
CONTRACT NO. 72816

DETAILS OF MAILBOX TURNOUTS



SECTION X-X THRU MAILBOX TURNOUT
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
 EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
 IF EXISTING, TREAT SAME AS ENTRANCE.)



SECTION X-X THRU MAILBOX TURNOUT
 COMBINED WITH EX BITUMINOUS CONC & PC CONC PE & CE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
 IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
 UNLESS OTHERWISE SHOWN.

SHEET 2 OF 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY

DIST. 6 MAILBOX TURNOUT DETAILS

SCALE: DRAWN BY DLB
 DATE CHECKED BY CAS

ENT PPP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	10IRS-6	MONTGOMERY	16	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816

ENTRANCE IMPROVEMENT SCHEDULE FOR RURAL / URBAN "PPP" PROJECTS

LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE	WIDTH @ EOP	WIDTH @ LENGTH OF IMPROVEMENT	LENGTH (FROM EDGE OF PVT/ BIT SHLD TO LIMITS OF IMPROVEMENT)	PR BIT. CONC THICKNESS	BIT. SURF. REM. - BUTT JOINT	PREP OF BASE	BIT MATERIALS PRIME COAT	AGG PRIME COAT	INCIDENTAL BIT. SURF. SUPERPAVE N50	TEMP RAMP	REMARKS
(LT / RT) (STA) (+)	(FE / PE / CE / MB) (RURAL / URBAN)	(EARTH/AGG/BIT P.C.C. / CL A2 SURF)	FOOT	FOOT	FOOT	INCH	SO. YD.	SO. YD.	TON	TON	TON	SO. YD.	
RT STA 831+75	PE	BIT	35	21	7	2.25	21.8	21.8	0.01	0.07	2.7		
LT STA 832+90	PE	BIT	47	33	7	2.25	31.1	31.1	0.02	0.10	3.9		
RT STA 841+85	SALE CIRCLE DRIVE	BIT	49	29	10	2.25	43.3	43.3	0.03	0.14	5.5	18.9	
LT STA 855+79	EAST 4TH ROAD	BIT	49	29	10	2.25	43.3	43.3	0.03	0.14	5.5	18.9	
LT STA 908+17	EAST 5TH ROAD	BIT	49	29	10	2.25	43.3	43.3	0.03	0.14	5.5	18.9	
RT STA 908+17	EAST 5TH ROAD	BIT	49	29	10	2.25	43.3	43.3	0.03	0.14	5.5	18.9	
LT STA 933+00	PE	BIT	32	18	7	2.25	19.4	19.4	0.01	0.06	2.5		
RT STA 935+72	SALE CIRCLE DRIVE	BIT	49	29	10	2.25	43.3	43.3	0.03	0.14	5.5	18.9	
LT STA 942+75	PE	BIT	44	30	7	2.25	28.8	28.8	0.02	0.09	3.6		HENDERSON LANE
RT STA 951+50	CE	BIT	49	27	10	2.25	42.2	42.2	0.03	0.13	5.3		BLESSED HOPE BAPTIST CHURCH
LT STA 956+55	GREENBRIAR DRIVE	CL A2 SURF	85	53	10	8	76.7	76.7	0.05	0.25	34.3	33.9	
RT STA 957+65	PE	AGG	47	24	7	3.5	27.6	27.6	0.02	0.09	5.4		CLAYTON DRIVE
LT STA 958+24	MB	BIT	36	22	3	3.5	9.7	9.7	0.01	0.03	1.9		
RT STA 962+00	DORSELL ROAD	BIT	59	39	10	2.25	54.4	54.4	0.03	0.17	6.9	18.9	
SCHEDULE TOTAL =							528.2	528.2	0.35	1.69	94.0	147.3	

REVISIONS	
NAME	DATE

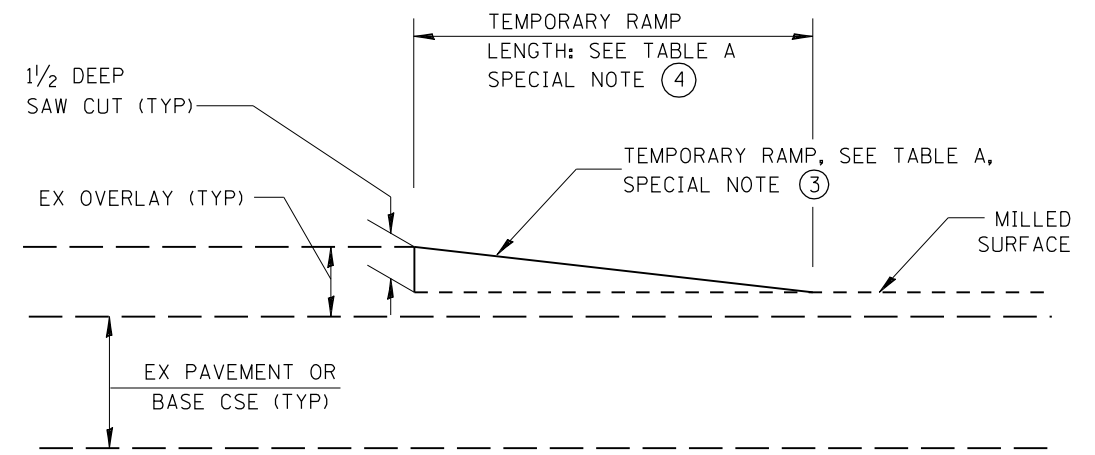
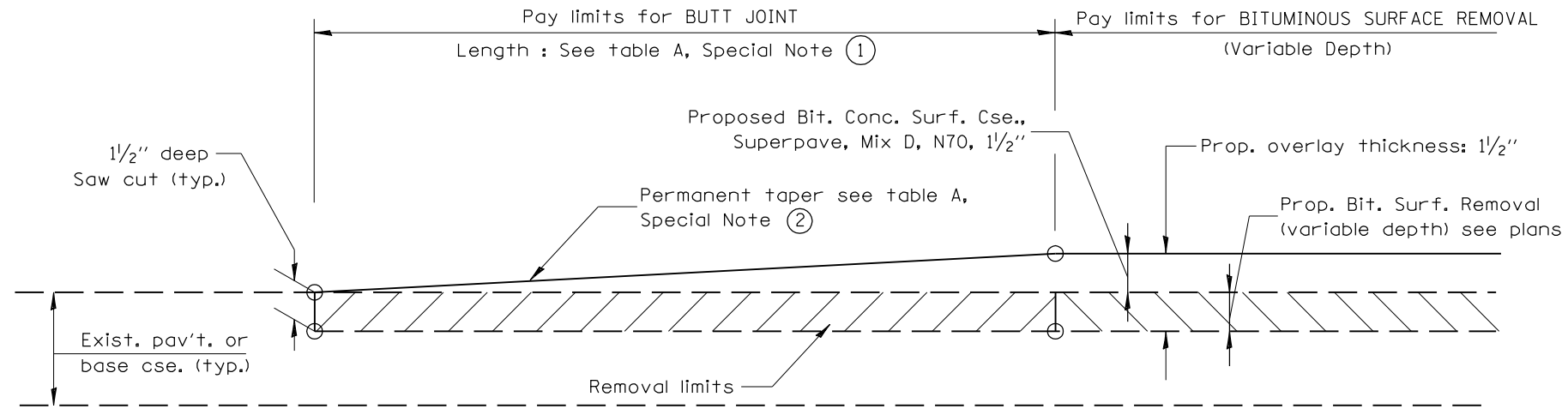
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 10IRS-6
 MONTGOMERY COUNTY
ENTRANCE IMPROVEMENT SCHEDULE

SCALE: _____ DRAWN BY DLB
 DATE _____ CHECKED BY CAS

ENT PPP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	101RS-6	MONTGOMERY	16	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 72816



CASE 1 : WITH BITUMINOUS SURFACE REMOVAL (COLD MILLING)

DETAIL TEMPORARY RAMP

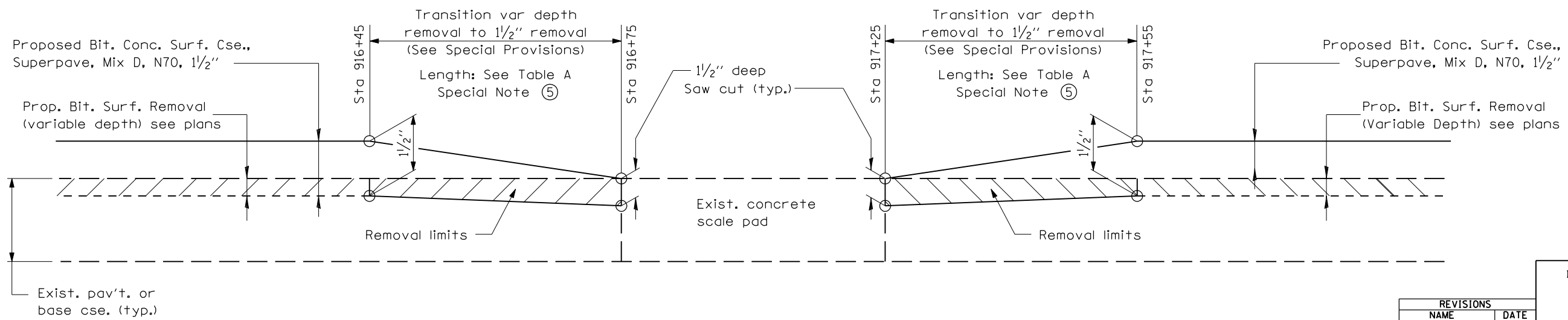
PLAN	REVISED	DATE
NOTE BOOK	PLOTTED	BY
NO.	REVISIONS	
	REVISIONS	
	REVISIONS	
	REVISIONS	

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	RATE/LENGTH
①	LENGTH OF BUTT JOINT	45'
②	PERMANENT TAPER RATE	1:360
③	TEMPORARY RAMP TAPER RATE	1:40
④	TEMPORARY RAMP LENGTH	5'
⑤	LENGTH OF TAPER	30'

GENERAL NOTES

1. THE WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE 406.18 AND THE SPECIAL PROVISION FOR BUTT JOINTS.
2. THE PAVEMENT SURFACE TO BE REMOVED MAY BE EITHER BITUMINOUS OR P.C. CONCRETE. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 440.03 AND THE SPECIAL PROVISIONS FOR BUTT JOINTS.
3. THE SAW CUT JOINTS SHALL BE PRIMED JUST PRIOR TO THE PLACING OF BITUMINOUS MATERIAL. THE WORK WILL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 406.06.



BITUMINOUS TAPER AT SCALE PAD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP ROUTE 42 (IL 48 / IL 127)
 SECTION 101RS-6
 MONTGOMERY COUNTY
BUTT JOINT AND RAMP DETAILS
 DRAWN BY: DLB
 CHECKED BY: CAS