

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
*	**	DEWITT	64	1

*FAP 721 & 760
 **SECTION 114BR-2 & 124BR-1
CONTRACT NO. 70014
 D-95-020-99

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY IMPROVEMENT

SCALES

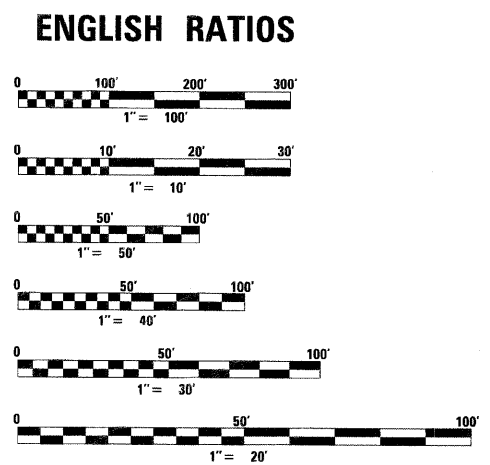
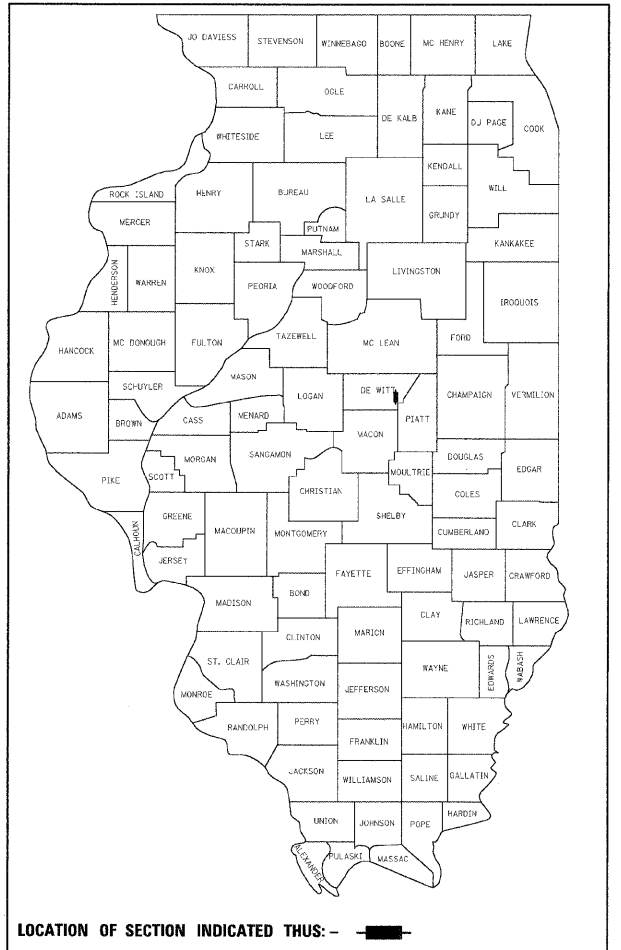
PLAN	=	1" = 20'
PROFILE	HORIZ	= 1" = 20'
	VERT	= 1" = 5'
CROSS SECTIONS	HORIZ	= 1" = 10'
CROSS SECTIONS	VERT	= 1" = 5'

FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

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

DESIGN DESIGNATION
 N.A. (BOX CULVERT REPLACEMENT)

FAP ROUTE 721 & 760 (IL-10 & IL-48)
 SECTION 114BR-2 & 124BR-1
 PROJECT NO F-000S(599)
 BOX CULVERT REPLACEMENTS
 DEWITT COUNTY
 C-95-048-99



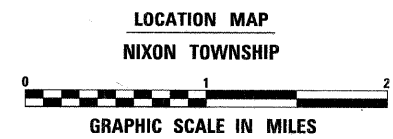
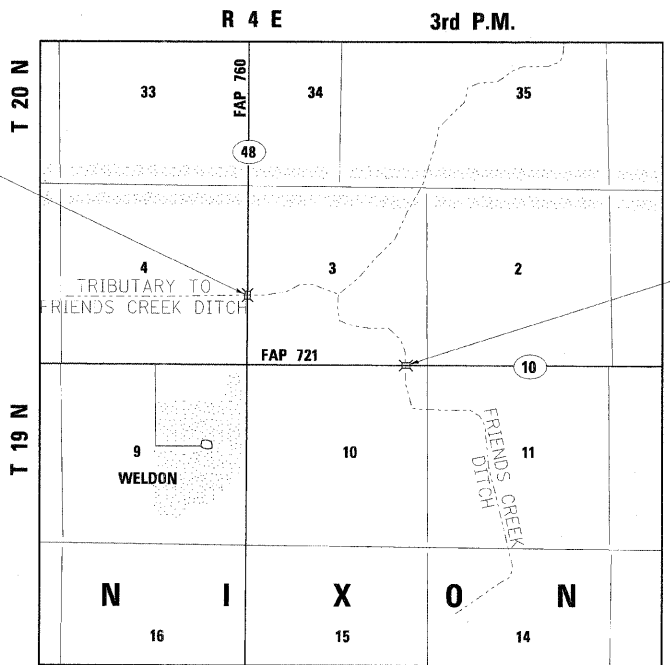
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

SECTION 124BR-1
 BEGIN STA 72+65.00
 END STA 73+39.50

SECTION 124BR-1 INCLUDES A DOUBLE 10' X 10' REINFORCED CONCRETE BOX CULVERT (CARRYING ILLINOIS ROUTE 48 OVER TRIBUTARY TO FRIENDS CREEK DITCH) STA 73+02.00 SN 020-2011 (PROPOSED) SN 020-0039 (EXISTING)

SECTION 114BR-2
 BEGIN STA 672+94.50
 END STA 674+92.50

SECTION 114BR-2 INCLUDES A DOUBLE 12' X 12' REINFORCED CONCRETE BOX CULVERT (CARRYING ILLINOIS ROUTE 10 OVER FRIENDS CREEK DITCH) STA 673+93.40 SN 020-2010 (PROPOSED) SN 020-0038 (EXISTING)



GROSS LENGTH OF SECTION 114BR-2 = 198 FT = .038 MI
 NET LENGTH SECTION 114BR-2 = 198 FT
 GROSS LENGTH OF SECTION 124BR-1 = 74.5 FT = .014 MI
 NET LENGTH SECTION 124BR-1 = 74.5 FT
 NET LENGTH PROJECT = 272.50 FT = .052 MI



Jason A. Wattiers
 ILLINOIS PROFESSIONAL ENGINEER NO. 062-050429
 EXP. 11-30-2005
 DATE 03-17-2004

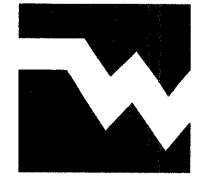
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *July 9, 2008*

Eric E. Harnett
 DISTRICT ENGINEER

Eric E. Harnett
 ENGINEER OF DESIGN AND ENVIRONMENT

Christine M. Reed
 DIRECTOR, DIVISION OF HIGHWAYS



WOOLPERT

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 Suite 1C
 Belleville, Illinois 62226-1045
 618-277-7004
 Fax-618-277-6114

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HIGHWAY CLASSIFICATION	MINOR ARTERIAL
2000 ADT IL 10	1950 9.3% TRUCKS
2000 ADT IL 48	1300 9.4% TRUCKS
2020 ADT IL 10	2300 9.3% TRUCKS
2020 ADT IL 48	1500 9.4% TRUCKS

CONTRACT NO. 70014

N. FASIG PROJECT ENGINEER : 217-465-4181
 J. STULTS CONSULTANT LIAISON CONTACT:

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STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001001-01 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- 420401-06 BRIDGE APPROACH PAVEMENT
- 421001-02 BAR REINFORCEMENT FOR CRC PAVEMENT
- 442201-03 CLASS C AND D PATCHES
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 515001-02 NAME PLATE FOR BRIDGES
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542401 METAL END SECTION FOR PIPE CULVERTS
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 630101-07 GUARDRAIL MOUNTED ON EXISTING CULVERTS
- 630301-04 SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
- 631032-03 TRAFFIC BARRIER TERMINAL, TYPE 6A
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 666001 PERMANENT SURVEY MARKERS
- 667101 RIGHT OF WAY MARKERS
- 701001-01 OFF-ROAD OPERATIONS, 2L, 2W MORE THAN 4.5 M (15') AWAY
- 701006-02 OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701321-09 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701901 TRAFFIC CONTROL DEVICES
- 704001-04 TEMPORARY CONCRETE BARRIER
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 886001 DETECTOR LOOP INSTALLATIONS
- 886006 TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.09B
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON U.S.C.&G.S. VERTICAL DATUM OF 1929

G.N.-107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED.
J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

G.N.-205
BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:
HORIZONTAL: 4'
VERTICAL: 2'

G.N.-250C (SPL)
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

G.N.-281
THE RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE GRADATION SPECIFIED IN THE PLANS OR, WITH APPROVAL OF THE ENGINEER, A RIPRAP GRADATION MEETING D50 GREATER THAN OR EQUAL TO 0.8 FEET. D50 IS DEFINED AS THE MEAN ROCK SIZE AS DESCRIBED IN THE FHWA HYDRAULIC ENGINEERING CIRCULARS (HEC 11, HEC 14, AND HEC15).

IF GRAVEL IS USED FOR THE BEDDING MATERIAL UNDER RIPRAP, THE GRAVEL SHALL BE CRUSHED AS ALLOWED UNDER ARTICLE 1005.01.

G.N.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406H
MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

LOCATION (S):	IL 10 & IL 48	IL 10 & IL 48
MIXTURE USE (S):	HMA BASE COURSE & FLEXIBLE CONNECTOR	SURFACE COURSE
AC/PG:	PG 64-22	PG 64-22
RAF % (MAX)**	25%	15%
DESIGN AIR VOIDS:	4.0% @ Ndes = 50	4.0% @ Ndes = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICITION AGGREGATE:	N.A.	MIXTURE C

G.N.-542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

G.N.-542.07
AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G.N.-542B
ALL THE ENTRANCE CULVERTS LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT METAL PIPES AND METAL END SECTION WOULD BE USED.

G.N.-542D
THIS WORK SHALL CONSIST OF REPLACING THE EXISTING ENTRANCE CULVERTS AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. PRIOR TO REPLACING THE CULVERT THE DITCH SHALL BE CLEANED FOR 25 FEET EACH WAY FROM THE ENDS OF THE CULVERT AS DIRECTED BY THE ENGINEER.

THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE CULVERTS OF THE TYPE AND SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE WORK AS HEREIN SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-550
BEFORE ORDERING STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-550
BEFORE ORDERING STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-551
EXISTING STORM SEWERS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONTRACTOR WILL NOT BE REQUIRED TO SALVAGE ANY EXISTING SEWER PIPE.

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N.-Z0038
AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	2

STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
*FAP 721 & 760
**SECTION 114BR-2 & 124BR-1
CONTRACT NO. 70014

NO COMMITMENTS

REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES, STANDARDS
AND INDEX OF SHEETS**

FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY

SCALE: DRAWN BY BANDY
DATE CHECKED BY STEUART

SUMMARY OF QUANTITIES

CODED NO	DESCRIPTION	UNIT	QUANTITY	CONSTRUCTION CODE	
				IL ROUTE 10	IL ROUTE 48
				80% FEDERAL 20% STATE CULVERT X028-2A	80% FEDERAL 20% STATE CULVERT X028-2A
20200100	EARTH EXCAVATION	CU YD	755	360	395
20900110	POROUS GRANULAR BACKFILL	CU YD	1455	640	815
21300010	EXPLORATION TRENCH, SPECIAL	FOOT	200	100	100
25000200	SEEDING, CLASS 2	ACRE	1	0.5	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	88	40	48
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	88	40	48
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	88	40	48
25100115	MULCH, METHOD 2	ACRE	1.0	0.5	0.5
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	110	60	50
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	97	45	52
28000300	TEMPORARY DITCH CHECKS	EACH	16	8	8
28000400	PERIMETER EROSION BARRIER	FOOT	2417	1314	1103
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28001000	AGGREGATE (EROSION CONTROL)	TON	17	9	8
28100107	STONE RIPRAP CLASS A4	SQ YD	1155	662	493
28200200	FILTER FABRIC	SQ YD	1155	662	493
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	224		224
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	19	19	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	73	54	19
40600300	AGGREGATE (PRIME COAT)	TON	2	1	1
40600990	TEMPORARY RAMP	SQ YD	27	27	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	89	64	25
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	217	217	
42001300	PROTECTIVE COAT	SQ YD	326	326	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	43	43	
44000100	PAVEMENT REMOVAL	SQ YD	272	239	33
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	687	398	289
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	356	356	
44004250	PAVED SHOULDER REMOVAL	SQ YD	193		193
44201396	CLASS C PATCHES, TYPE IV, 13 INCH	SQ YD	199		199
48101200	AGGREGATE SHOULDERS, TYPE B	TON	605	304	301
50100300	REMOVAL OF EXISTING STRUCTURE NO. 1	EACH	1	1	
50100400	REMOVAL OF EXISTING STRUCTURE NO. 2	EACH	1		1
50105200	REMOVE EXISTING CULVERTS	EACH	2	1	1
50105210	REMOVE EXISTING CULVERTS	FOOT	50		50
50300260	BRIDGE DECK GROOVING	SQ YD	96	96	
50800105	REINFORCEMENT BARS	POUND	61700	29240	32460
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9590	9590	
50800515	BAR SPLICERS	EACH	384	252	132
50900200	STEEL RAILING, TYPE 2399	FOOT	54	54	
51500100	NAME PLATES	EACH	2	1	1
54003000	CONCRETE BOX CULVERTS	CU YD	361.7	208.4	153.3
54213447	END SECTIONS 12"	EACH	3	3	
54213459	END SECTIONS 24"	EACH	2	2	

CODED NO	DESCRIPTION	UNIT	QUANTITY	CONSTRUCTION CODE	
				IL ROUTE 10	IL ROUTE 48
				80% FEDERAL 20% STATE CULVERT X028-2A	80% FEDERAL 20% STATE CULVERT X028-2A
54248515	CONCRETE COLLAR	EACH	5	3	2
54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	40	40	
55100500	STORM SEWER REMOVAL 12"	FOOT	48	42	6
55100700	STORM SEWER REMOVAL 15"	FOOT	5		5
61140200	STORM SEWERS, SPECIAL 12"	FOOT	14	6	8
61140400	STORM SEWERS, SPECIAL 15"	FOOT	7		7
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1300	525	775
63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	100		100
63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	45		45
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	931	556	375
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	16	8	8
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	3	3
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	48	24	24
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1093	642	451
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	357	200	157
70400100	TEMPORARY CONCRETE BARRIER	FOOT	787.5	462.5	325
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	787.5	462.5	325
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1093	642	451
78200410	GUARDRAIL MARKERS, TYPE A	EACH	32	16	16
78201000	TERMINAL MARKERS - DIRECT APPLIED	EACH	8	4	4
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	960	537	423
X0392300	DITCH CHECK REMOVAL	EACH	1		1
X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE I SPECIAL, TANGENT	EACH	4		4
Z0002900	BASE COURSE (OPTION)	SQ YD	1371	629	742
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2
Z0037300	PAVEMENT GROOVING	SQ YD	217	217	
Z0038700	PERMANENT BENCH MARKS	EACH	2	1	1
Z0075300	TIE BARS	EACH	31		31

• SPECIALTY ITEMS

REVISIONS	
NAME	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	3

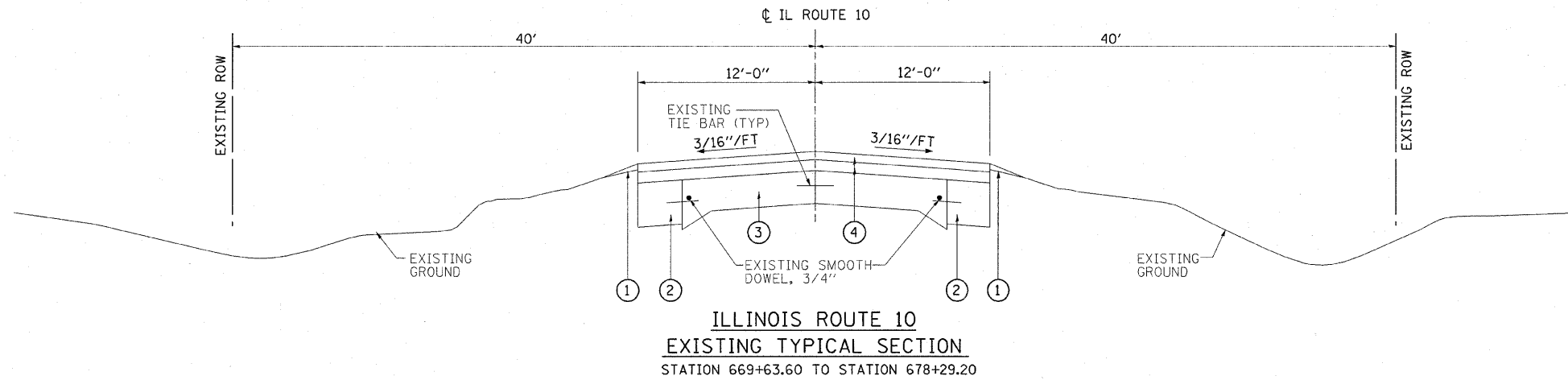
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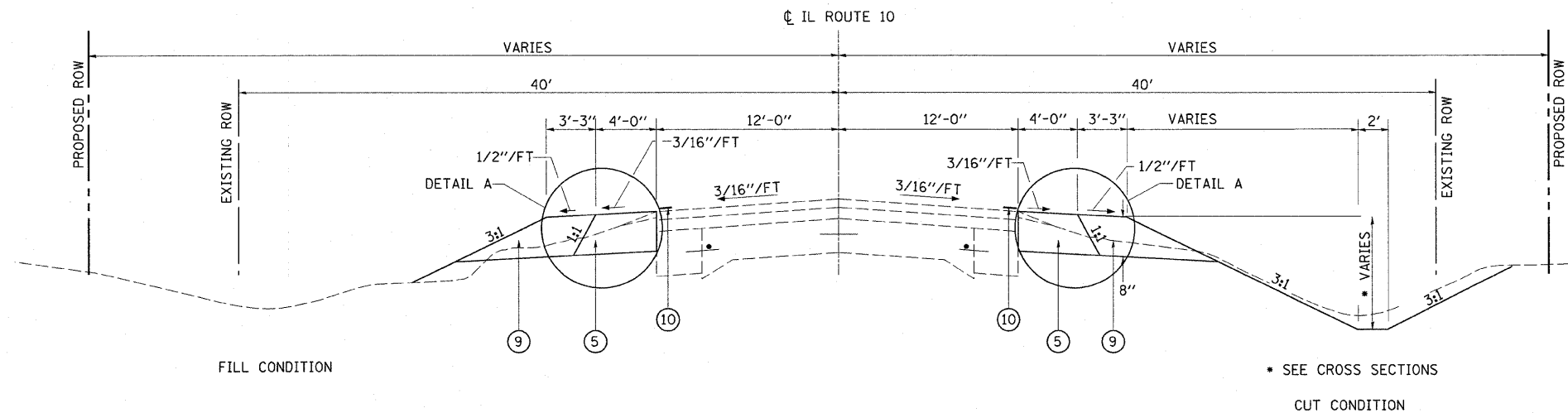
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY

SCALE: VERT. HORIZ.
DATE
DRAWN BY BANDY
CHECKED BY STEUART

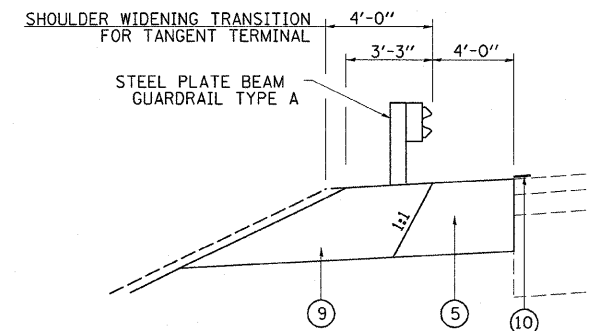
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	DEWITT	64	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
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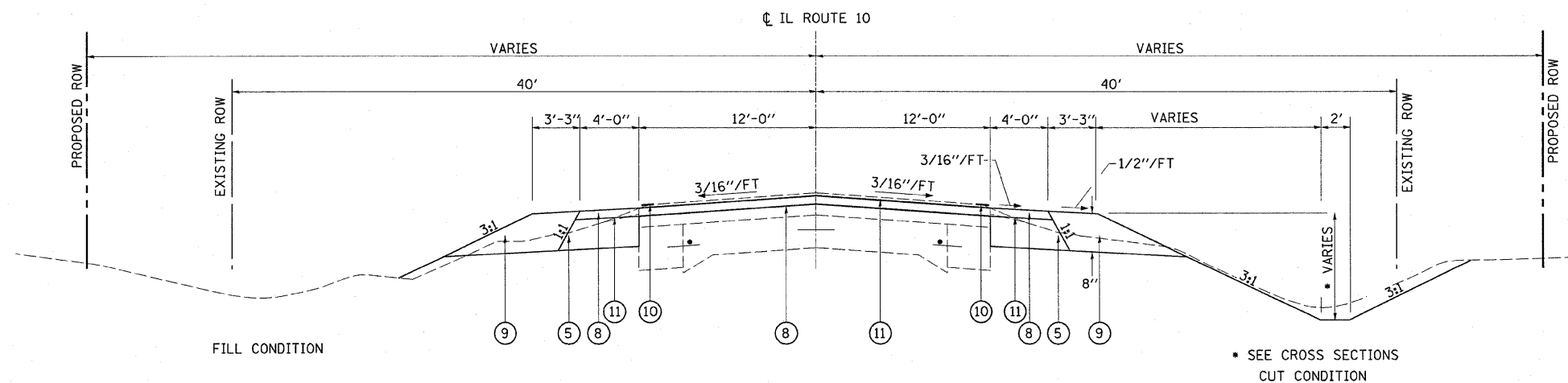
**ILLINOIS ROUTE 10
EXISTING TYPICAL SECTION**
STATION 669+63.60 TO STATION 678+29.20



**ILLINOIS ROUTE 10
PROPOSED TYPICAL SECTION (1)**
STATION 669+63.60 TO STATION 672+94.50 (1)
STATION 674+92.50 TO STATION 678+29.20 (2)



DETAIL A
LEFT SIDE
STA 671+86.85 TO STA 673+79.90
STA 674+06.90 TO STA 676+99.95
RIGHT SIDE
STA 671+28.40 TO STA 673+79.90
STA 674+06.90 TO STA 675+99.05
NOTE: RIGHT SIDE IS A MIRROR IMAGE OF DETAIL A



**ILLINOIS ROUTE 10
PROPOSED TYPICAL SECTION (2)**
STATION 672+94.50 TO STATION 673+44.40 (1)
STRUCTURE OMISSION STATION 673+44.40 TO STATION 674+42.40
STATION 674+42.40 TO STATION 674+92.50 (1)

PROPOSED LEGEND

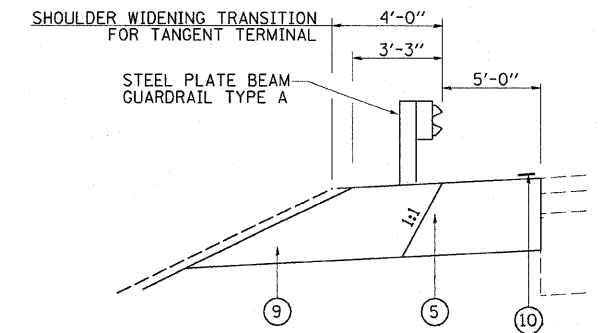
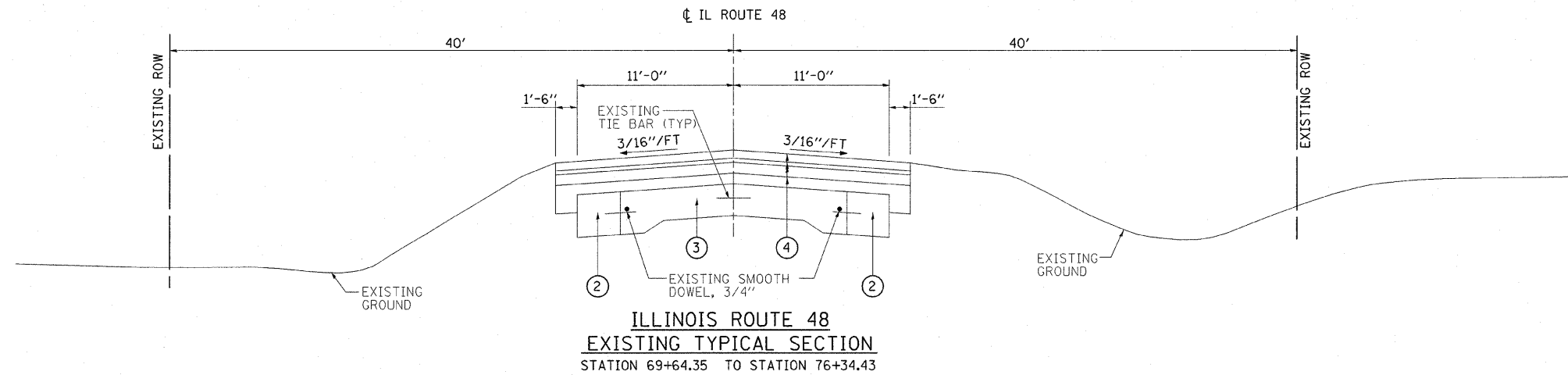
- (1) EXISTING AGGREGATE SHOULDER
- (2) EXISTING BASE COURSE WIDENING, 8"
- (3) EXISTING PCC PAVEMENT, 9-6-9
- (4) EXISTING HMA RESURFACING, ± 4 1/2"
- (5) PROPOSED BASE COURSE (OPTION)
- (6) PROPOSED CLASS C PATCHES, TYPE IV, 13"
- (7) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- (8) PROPOSED HMA SURFACE COURSE, MIX "C", N 50, (168 LBS/SQ YD)
- (9) PROPOSED AGGREGATE SHOULDERS, TYPE B
- (10) PROPOSED PAVEMENT MARKING - LINE 4"
- (11) PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)
- (12) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- [Hatched Box] PROPOSED PAVED SHOULDER REMOVAL

REVISIONS	
NAME	DATE

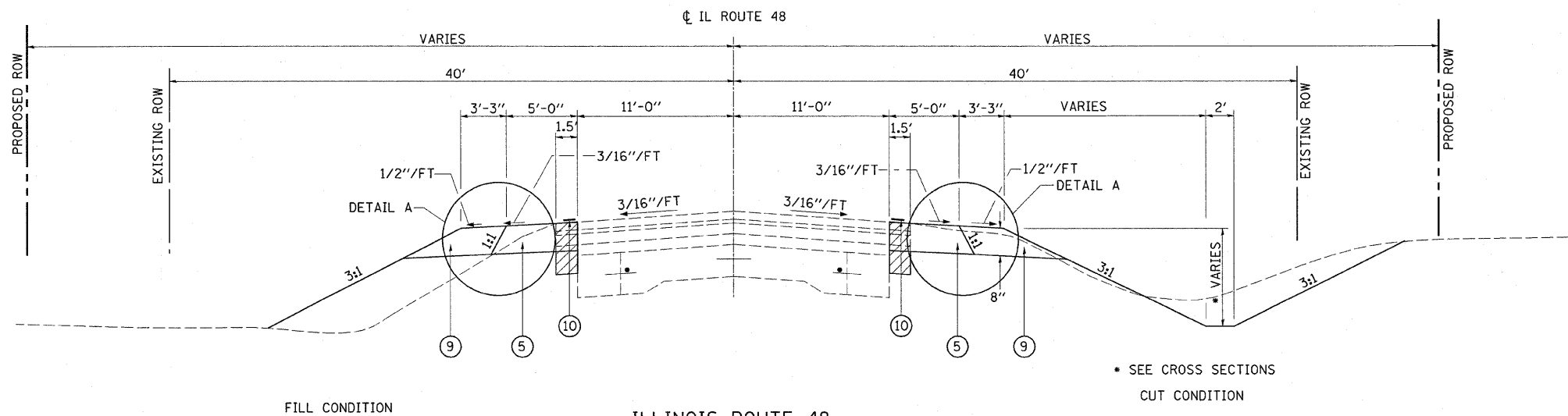
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 10
PROPOSED TYPICAL SECTION
FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY BANDY
CHECKED BY STEUART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	DEWITT	64	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
•FAP 721 & 760				
•SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				



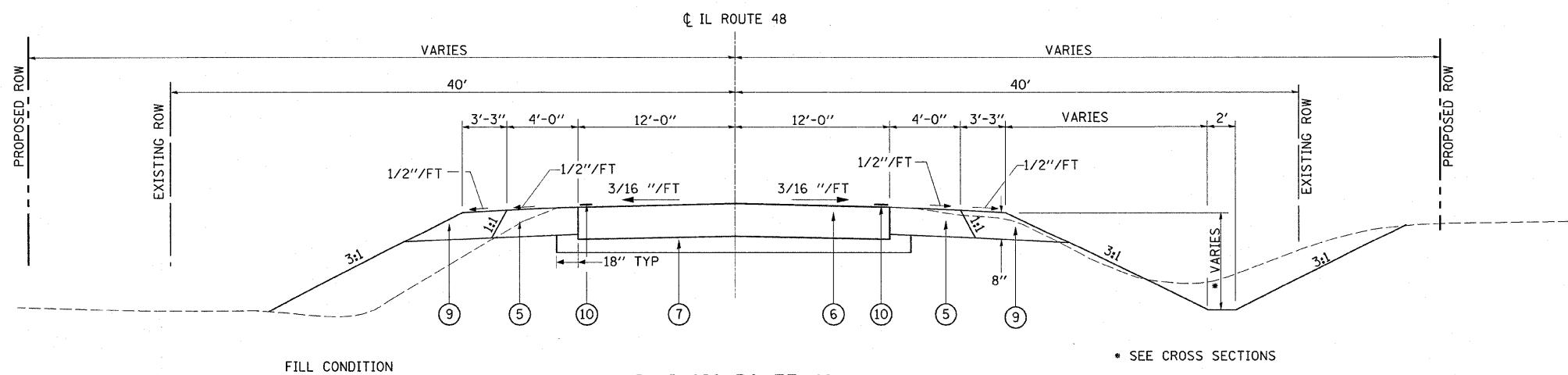
DETAIL A
 LEFT SIDE
 STA 70+97.20 TO STA 76+50.60
 RIGHT SIDE
 STA 69+53.40 TO STA 75+06.70
 NOTE: RIGHT SIDE IS A MIRROR IMAGE OF DETAIL A



ILLINOIS ROUTE 48
PROPOSED TYPICAL SECTION (3)
 STATION 69+64.35 TO STATION 72+65.00 (4)
 STATION 73+39.50 TO STATION 76+34.43

PROPOSED LEGEND

- (1) EXISTING AGGREGATE SHOULDER
- (2) EXISTING BASE COURSE WIDENING, 8"
- (3) EXISTING PCC PAVEMENT, 9-6-9
- (4) EXISTING HMA RESURFACING, ± 8 1/4"
- (5) PROPOSED BASE COURSE (OPTION)
- (6) PROPOSED CLASS C PATCHES, TYPE IV, 13"
- (7) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- (8) PROPOSED HMA SURFACE COURSE, MIX "C", N 50, (168 LBS/SQ YD)
- (9) PROPOSED AGGREGATE SHOULDERS, TYPE B
- (10) PROPOSED PAVEMENT MARKING - LINE 4"
- (11) PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)
- (12) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- [Hatched Box] PROPOSED PAVED SHOULDER REMOVAL



ILLINOIS ROUTE 48
PROPOSED TYPICAL SECTION (4)
 STATION 72+65.00 TO STATION 73+39.50 (3)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 48
PROPOSED TYPICAL SECTION
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY BANDY
 CHECKED BY STEUART

SCHEDULE OF QUANTITIES

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	FOR INFORMATION ONLY			REMARKS
		EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	
STATION TO STATION	SIDE	(CU YD)	(CU YD)	(CU YD)	
IL ROUTE 10					
669+63.61 TO 678+29.14	LT	190	150	95	20 CU YD TO BE USED TO CONSTRUCT FE AT STA 671+10.00
669+63.61 TO 678+29.14	RT	170	135	85	
F.E. STA 671+10.00	RT			-20	
160 CU YD EXCESS MATERIAL TO BE WASTED					
IL ROUTE 48					
69+64.32 TO 71+39.28	LT	15	10	-10	
69+64.32 TO 71+39.28	RT	30	25	10	
71+39.28 TO 72+36.63	LT	20	15	0	
71+39.28 TO 72+36.63	RT	15	10	0	
72+36.63 TO 73+41.31	LT	45	35	0	
72+36.63 TO 73+41.31	RT	30	20	0	
73+41.31 TO 76+34.43	LT	145	115	100	175 CU YD EXCESS MATERIAL
73+41.31 TO 76+34.43	RT	95	75	75	TO BE WASTED
TOTAL		755	590	255	335

NOTES
 - EARTHWORK FOR THE WIDENING AT THE GUARDRAIL TERMINALS HAS BEEN INCLUDED IN THE APPROPRIATE STATION RANGES
 - EARTHWORK WAS CALCULATED USING BASE COURSE OPTION - PORTLAND CEMENT CONCRETE BASE COURSE, 8"

BRIDGE APPROACH PAVEMENT SCHEDULE

LOCATION	BRIDGE APPROACH PAVEMENT (SQ YD)	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) (SQ YD)	PROTECTIVE COAT (SQ YD)
IL ROUTE 10			
673+44.40 TO 673+50.40		21.5	
673+50.40 TO 673+80.40	108.5		108.5
673+80.40 TO 674+06.40			109
674+06.40 TO 674+36.40	108.5		108.5
674+36.40 TO 674+42.40		21.5	
TOTAL	217	43	326

TEMPORARY RAMP SCHEDULE

LOCATION	TEMPORARY RAMP (SQ YD)
IL ROUTE 10	
672+94.50 TO 673+24.50	13.5
674+62.50 TO 674+92.50	13.5
TOTAL	27

POROUS GRANULAR BACKFILL SCHEDULE

LOCATION	POROUS GRANULAR BACKFILL (CU YD)
IL ROUTE 10	
673+55.61 TO 674+31.26	640
IL ROUTE 48	
72+67.07 TO 73+37.10	815
TOTAL	1455

PAVEMENT SCHEDULE

LOCATION	SUB-BASE GRANULAR MATERIAL TYPE B, 4" (SQ YD)	BASE COURSE (OPTION) (SQ YD)	AGGREGATE SURFACE COURSE TYPE B (TON)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	AGGREGATE (PRIME COAT) (TON)	TIE BARS (EACH)	CLASS C PATCHES, TYPE IV, 13" (SQ YD)	AGGREGATE SHOULDERS TYPE B (TON)	HMA SURFACE COURSE MIX "C", N50 (TON)
IL ROUTE 10									
669+63.60 TO 672+94.50		250						113	
671+10.00 RT			19						
672+94.50 TO 673+44.40		44		13	0.25			20	15
673+44.40 TO 673+82.72		17						15	
673+82.72 TO 674+03.97								15	
674+03.97 TO 674+42.40		17		14	0.25			21	15
674+42.40 TO 674+92.50		45						120	
674+92.50 TO 678+29.20		256							
STAGE 1									
671+69.50 TO 676+17.50				30	0.5				34
IL ROUTE 48									
69+64.35 TO 72+65.00		321						133	
72+65.00 TO 73+39.50	224	99				31	199	29	
73+39.50 TO 76+34.43		321						139	
STAGE 1									
71+40.00 TO 74+64.50				22	1.0				25
TOTAL	224	1371	19	79	2	31	199	605	89

EROSION CONTROL SCHEDULE

LOCATION	TEMPORARY DITCH CHECKS (EACH)	EARTH EXCAVATION FOR EROSION CONTROL (CU YD)	AGGREGATE (EROSION CONTROL) (TON)	INLET AND PIPE PROTECTION (EACH)
IL ROUTE 10				
673+01.00	RT	1		
673+10.00	RT			1
673+33.00	RT	1		
673+93.41	RT/LT		60	
674+52.00	RT/LT	2		
674+76.00	RT/LT	2		
672+99.00	LT	1		
673+29.00	LT	1		
IL ROUTE 48				
72+23.00	RT/LT	2		
72+47.00	RT/LT	2		
73+02.00	RT/LT		50	8
73+56.00	RT/LT	2		
73+78.00	RT/LT	2		
TOTAL	16	110	17	1

RIPRAP SCHEDULE

LOCATION	STONE RIPRAP CLASS A4 (SQ YD)	FILTER FABRIC (SQ YD)
IL ROUTE 10		
673+35.00 TO 674+58.00	RT 325	325
673+35.00 TO 674+58.00	LT 337	337
IL ROUTE 48		
72+40.00 TO 73+64.00	RT 230	230
72+40.00 TO 73+64.00	LT 263	263
TOTAL	1155	1155

PAVEMENT REMOVAL SCHEDULE

LOCATION	PAVEMENT REMOVAL (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	HMA SURFACE REMOVAL 1 1/2" (SQ YD)	HMA SURFACE REMOVAL (VARIABLE DEPTH) (SQ YD)
IL ROUTE 10				
672+94.50 TO 673+44.40				178
673+44.40 TO 673+82.75	102.5			
674+04.05 TO 674+42.40	102.5			
674+42.40 TO 674+92.50				178
673+44.40 TO 673+82.75	LT 17			
674+04.05 TO 674+42.40	LT 17			
STAGE 1				
671+69.50 TO 676+17.50	LT		398	
IL ROUTE 48				
69+87.70 TO 72+65.00	RT	46		
73+39.50 TO 76+34.43	RT	49		
69+64.35 TO 72+65.00	LT	50		
72+65.00 TO 73+39.50	LT	33		
73+39.50 TO 76+23.91	LT		48	
STAGE 1				
71+40.00 TO 74+64.50	LT		289	
TOTAL	272	193	687	356

BRIDGE DECK GROOVING SCHEDULE

LOCATION	BRIDGE DECK GROOVING (SQ YD)	PAVEMENT GROOVING (SQ YD)	REMARKS
IL ROUTE 10			
673+50.40 TO 673+80.40		108.5	APPROACH PAVEMENT
673+80.40 TO 674+06.40	96		BRIDGE DECK
674+06.40 TO 674+36.40		108.5	APPROACH PAVEMENT
TOTAL	96	217	

PERMANENT BENCH MARKS SCHEDULE

LOCATION	PERMANENT BENCH MARKS (EACH)
IL ROUTE 10	
	1
IL ROUTE 48	
	1
TOTAL	2

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE OF QUANTITIES FAP 721 (IL-10) FAP 760 (IL-48) SECTION 114BR-2 & SECTION 124BR-1 DE WITT COUNTY
NAME	DATE	

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY: BANDY
 CHECKED BY: STEUART

PAVEMENT MARKING SCHEDULE

LOCATION	PAINT LINE PAVEMENT MARKING - LINE 4"		TEMPORARY PAVEMENT MARKING - LINE 4"		SHORT-TERM PAVEMENT MARKING		WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)
	SOLID WHITE (FOOT)	SKIP DASH YELLOW (FOOT)	SOLID WHITE (FOOT)	SKIP DASH YELLOW (FOOT)	SKIP DASH WHITE (FOOT)	SKIP DASH YELLOW (FOOT)	
STATION TO STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
IL ROUTE 10							
671+74.50 TO 676+12.00	612	30	612	30	0	24	200
IL ROUTE 48							
71+64.75 TO 74+36.75	421	30	421	30	0	24	157
SUBTOTAL	1033	60	1033	60	0	48	
TOTAL	1093		1093		48		357

GUARDRAIL SCHEDULE

LOCATION	STATION TO STATION	SIDE	STEEL PLATE BEAM GUARDRAIL TYPE A	STEEL PLATE BEAM GUARDRAIL TYPE B	STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL TYPE 6A	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	GUARDRAIL REMOVAL	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TANGENT	GUARDRAIL MARKERS TYPE A	TERMINAL MARKERS DIRECT APPLIED
			(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)	(EACH)
IL ROUTE 10											
671+23.50 TO 673+82.70	RT		162.5			1	1	103		4	1
674+04.80 TO 675+88.30	RT		87.5			1	1	126		4	1
671+98.50 TO 673+82.10	LT		87.5			1	1	126		4	1
674+04.80 TO 676+88.30	LT		187.5			1	1	201		4	1
IL ROUTE 48											
69+53.25 TO 75+13.25	RT		387.5	50	22.5			187	2	8	2
70+90.75 TO 76+50.75	LT		387.5	50	22.5			188	2	8	2
TOTAL			1300	100	45	4	4	931	4	32	8

SEEDING SCHEDULE

LOCATION	STATION TO STATION	SIDE	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING
			(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)	(POUND)
IL ROUTE 10								
670+55.00 TO 673+44.40	RT		0.09	8	8	8	0.09	9
669+56.00 TO 673+44.40	LT		0.11	10	10	10	0.11	11
673+44.40 TO 674+42.40	RT		0.02	2	2	2	0.02	2
673+44.40 TO 674+42.40	LT		0.01	1	1	1	0.01	2
674+42.40 TO 677+42.00	RT		0.09	8	8	8	0.09	9
674+42.40 TO 678+38.40	LT		0.12	11	11	11	0.12	12
SUBTOTAL			0.44	40	40	40	0.44	45
ROUNDED			0.50	40	40	40	0.50	45
IL ROUTE 48								
69+11.00 TO 72+65.00	RT		0.11	10	10	10	0.11	11
69+57.00 TO 72+65.00	LT		0.13	12	12	12	0.13	13
72+65.00 TO 73+39.50	RT		0.01	1	1	1	0.01	1
72+65.00 TO 73+39.50	LT		0.02	2	2	2	0.02	2
73+39.50 TO 76+42.00	RT		0.09	9	9	9	0.09	9
73+39.50 TO 77+00.00	LT		0.16	14	14	14	0.16	16
SUBTOTAL			0.52	48	48	48	0.52	52
ROUNDED			0.50	48	48	48	0.50	52
TOTAL			1.00	88	88	88	1.00	97

TRAFFIC CONTROL SCHEDULE

LOCATION	STATION TO STATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	TEMPORARY BRIDGE TRAFFIC SIGNALS	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3
		(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)
IL ROUTE 10				1		
671+69.50 TO 676+17.50		462.5	462.5		2	2
IL ROUTE 48				1		
71+40.00 TO 74+64.50		325	325		2	2
TOTAL		787.5	787.5	2	4	4

RIGHT OF WAY MARKER SCHEDULE

LOCATION	STATION	OFFSET (FOOT)	SIDE	FURNISHING AND ERECTING RIGHT OF WAY MARKERS
				(EACH)
IL ROUTE 10				
673+20.00	40	RT		1
673+66.00	75	RT		1
674+24.00	75	RT		1
674+68.00	40	RT		1
673+20.00	40	LT		1
673+66.00	75	LT		1
674+15.00	75	LT		1
674+68.00	40	LT		1
IL ROUTE 48				
72+02.00	40	RT		1
72+37.00	55	RT		1
73+80.00	55	RT		1
74+10.00	40	RT		1
72+02.00	40	LT		1
72+50.00	62	LT		1
73+74.00	62	LT		1
74+48.00	40	LT		1
TOTAL				16

DRAINAGE SCHEDULE

LOCATION	STATION	SIDE	PIPE CULVERTS CLASS D TYPE 1, 24"	END SECTIONS 12"	END SECTIONS 24"	CONCRETE COLLAR	STORM SEWERS SPECIAL 12"	STORM SEWERS SPECIAL 15"
			(FOOT)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)
IL ROUTE 10								
670+90.00					1			
671+10.00			40					
671+30.00					1			
673+63.92	RT			1		1	2	
674+23.47	RT			1		1	2	
674+23.66	LT			1		1	2	
IL ROUTE 48								
72+90.74	LT					1	8	
73+13.26	LT					1		7
TOTAL			40	3	2	5	14	7

FIELD TILE REMOVAL SCHEDULE

LOCATION	STATION TO STATION	SIDE	EXPLORATION TRENCH, SPECIAL	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"
			(FOOT)	(FOOT)	(FOOT)
IL ROUTE 10			100		
673+62.92 TO 673+75.20	RT			13	
674+09.80 TO 674+24.46	RT			15	
674+11.10 TO 674+24.66	LT			14	
IL ROUTE 48			100		
72+85.71 TO 72+91.00	LT			6	
73+12.30 TO 73+17.14	LT				5
TOTAL			200	48	5

REMOVAL SCHEDULE

LOCATION	STATION TO STATION	REMOVAL OF EXISTING STRUCTURE NO. 1	REMOVAL OF EXISTING STRUCTURE NO. 2	REMOVE EXISTING CULVERTS	REMOVE EXISTING CULVERTS	DITCH CHECK REMOVAL
		(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)
IL ROUTE 10						
672+69.60 RT					1	
673+82.75 TO 674+04.05		1				
IL ROUTE 48						
72+74.86 RT				25		
72+84.57 LT						1
72+91.29 TO 73+12.65			1			
73+30.19 RT				25		
73+31.65 LT					1	
TOTAL		1	1	50	2	1

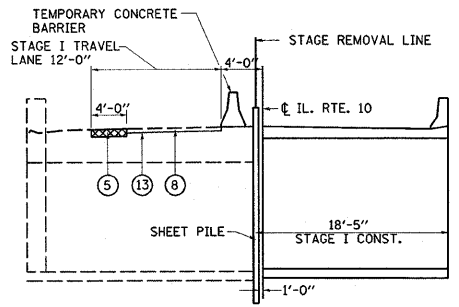
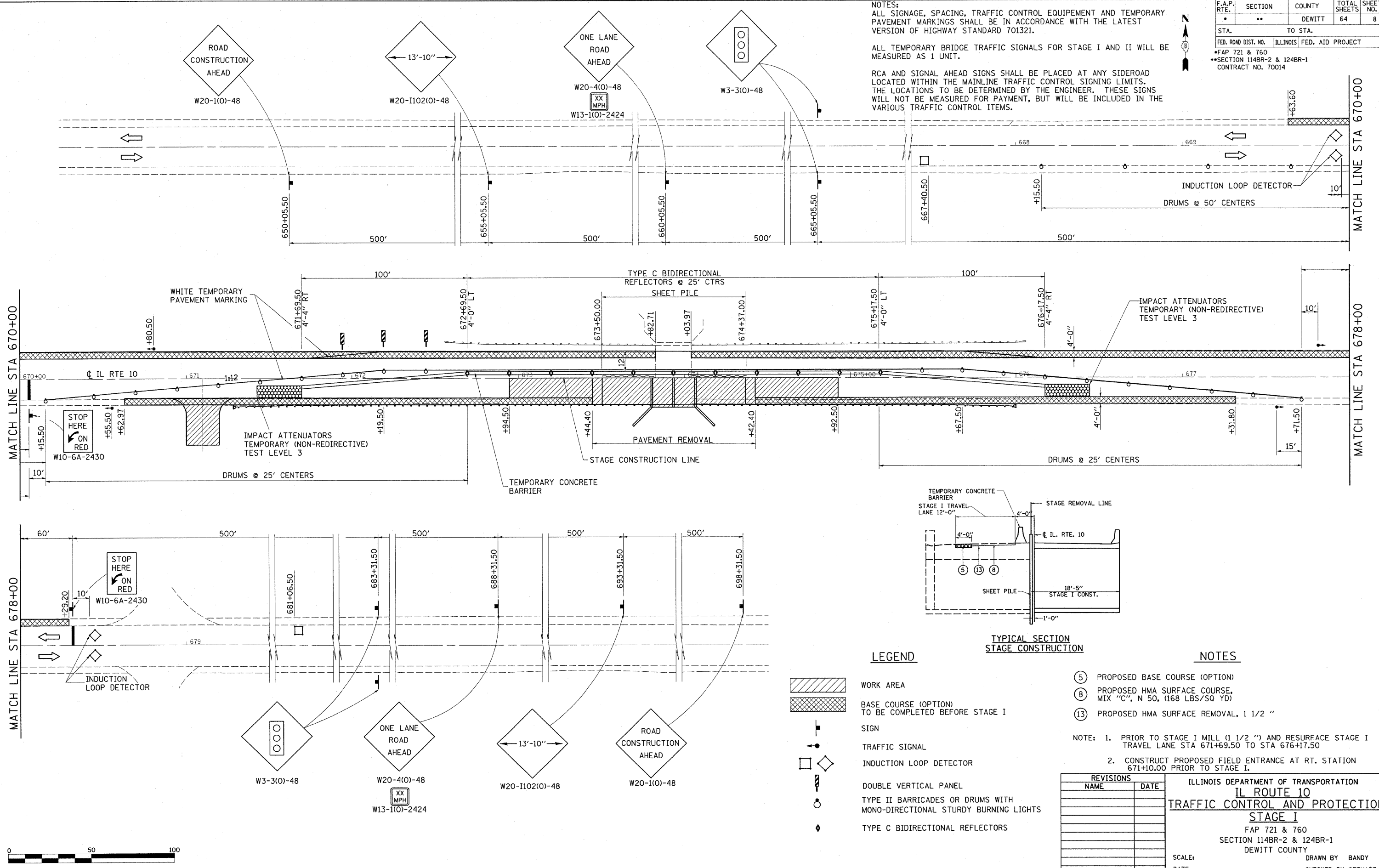
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 FAP 721 (IL-10) FAP 760 (IL-48)
 SECTION 114BR-2 & SECTION 124BR-1
 DE WITT COUNTY

SCALE: VERT. DATE
 HORIZ. DATE
 DRAWN BY BANDY
 CHECKED BY STEUART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	DEWITT	64	8
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		•FAP 721 & 760		
		•SECTION 114BR-2 & 124BR-1		
		CONTRACT NO. 70014		

NOTES:
 ALL SIGNAGE, SPACING, TRAFFIC CONTROL EQUIPMENT AND TEMPORARY PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF HIGHWAY STANDARD 701321.
 ALL TEMPORARY BRIDGE TRAFFIC SIGNALS FOR STAGE I AND II WILL BE MEASURED AS 1 UNIT.
 RCA AND SIGNAL AHEAD SIGNS SHALL BE PLACED AT ANY SIDEROAD LOCATED WITHIN THE MAINLINE TRAFFIC CONTROL SIGNING LIMITS. THE LOCATIONS TO BE DETERMINED BY THE ENGINEER. THESE SIGNS WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE INCLUDED IN THE VARIOUS TRAFFIC CONTROL ITEMS.



LEGEND

- WORK AREA
- BASE COURSE (OPTION) TO BE COMPLETED BEFORE STAGE I
- SIGN
- TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- DOUBLE VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH MONO-DIRECTIONAL STURDY BURNING LIGHTS
- TYPE C BIDIRECTIONAL REFLECTORS

NOTES

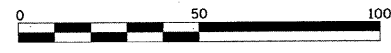
- (5) PROPOSED BASE COURSE (OPTION)
 - (8) PROPOSED HMA SURFACE COURSE, MIX "C", N 50, (168 LBS/SQ YD)
 - (13) PROPOSED HMA SURFACE REMOVAL, 1 1/2 "
- NOTE: 1. PRIOR TO STAGE I MILL (1 1/2 ") AND RESURFACE STAGE I TRAVEL LANE STA 671+69.50 TO STA 676+17.50
 2. CONSTRUCT PROPOSED FIELD ENTRANCE AT RT. STATION 671+10.00 PRIOR TO STAGE I.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 10
TRAFFIC CONTROL AND PROTECTION
STAGE I
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

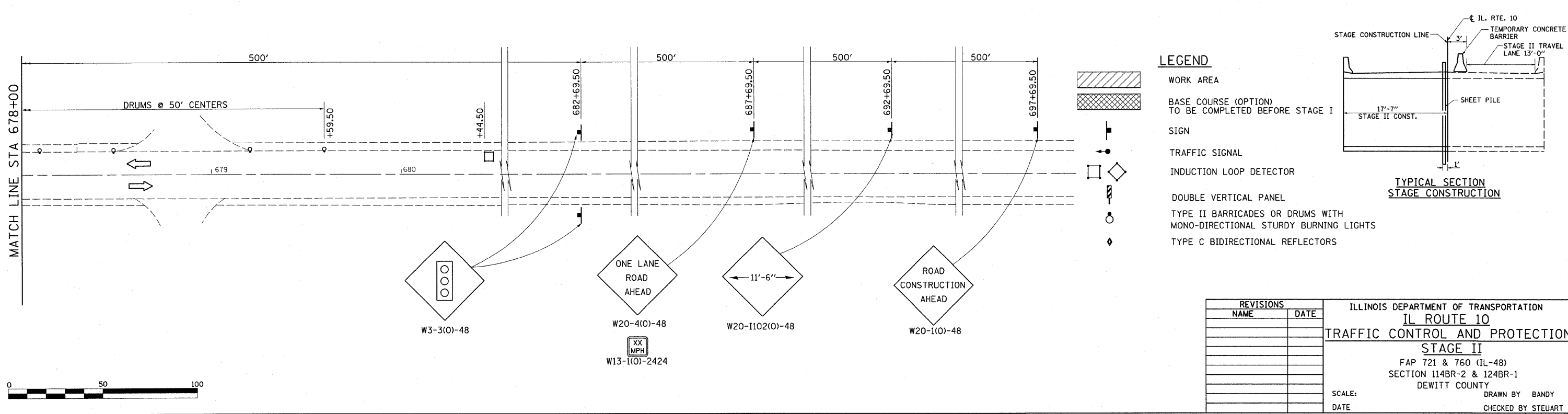
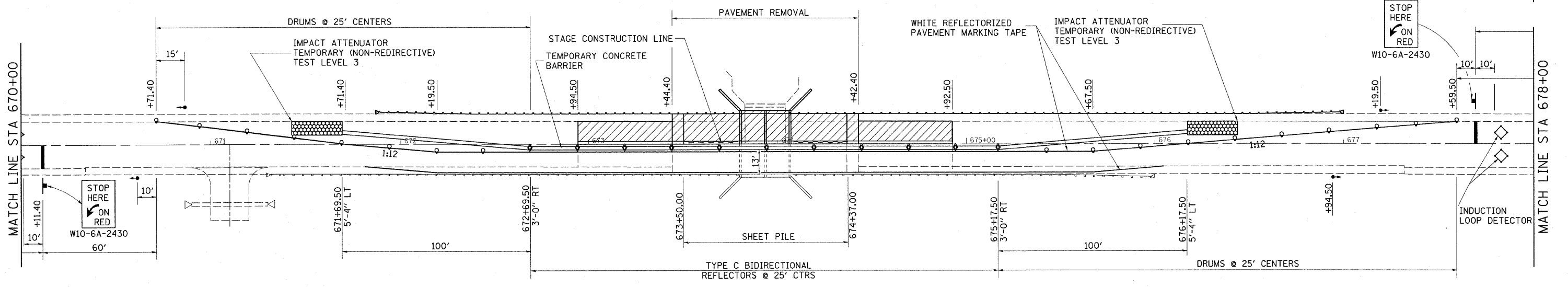
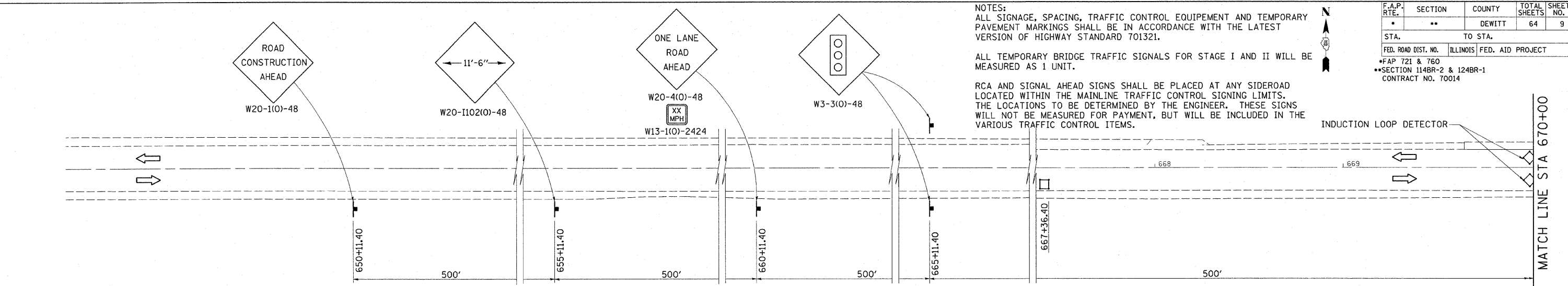
SCALE: _____
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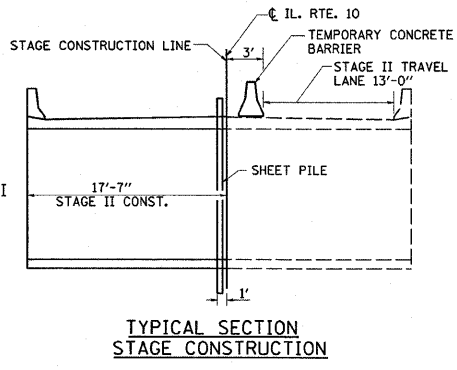
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721 & 760	114BR-2 & 124BR-1	DEWITT	64	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
FAP 721 & 760		SECTION 114BR-2 & 124BR-1		
		CONTRACT NO. 70014		

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LEGEND

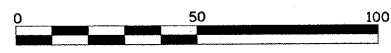
- WORK AREA
- BASE COURSE (OPTION) TO BE COMPLETED BEFORE STAGE I
- SIGN
- TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- DOUBLE VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH MONO-DIRECTIONAL STURDY BURNING LIGHTS
- TYPE C BIDIRECTIONAL REFLECTORS



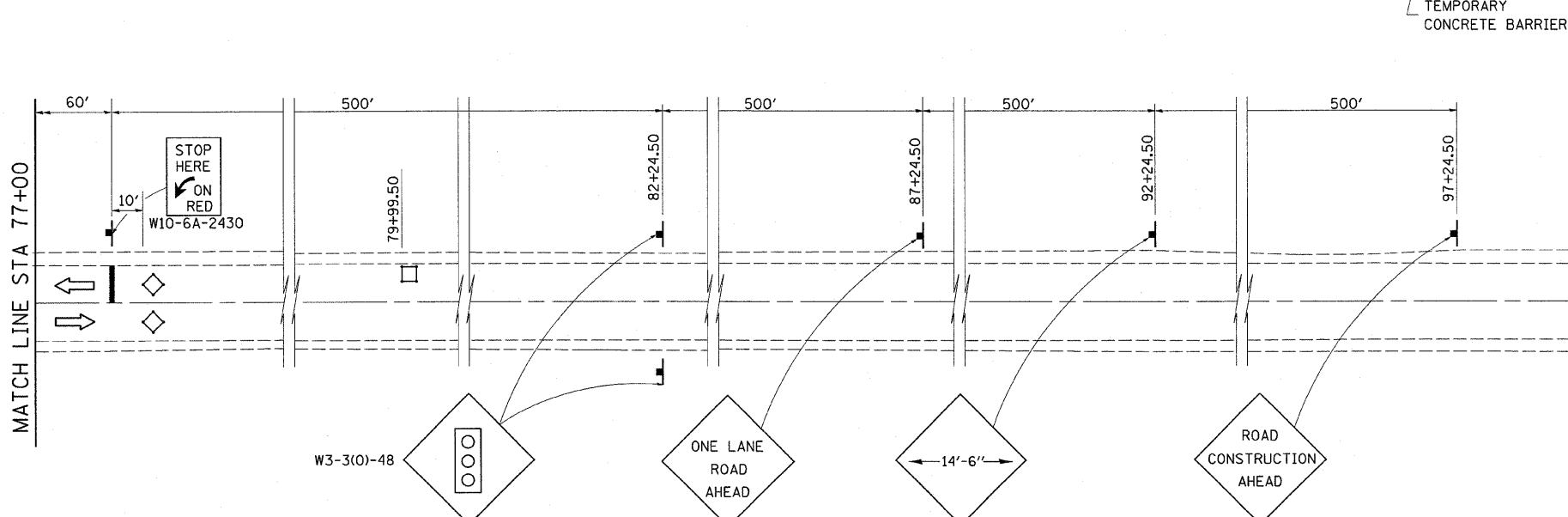
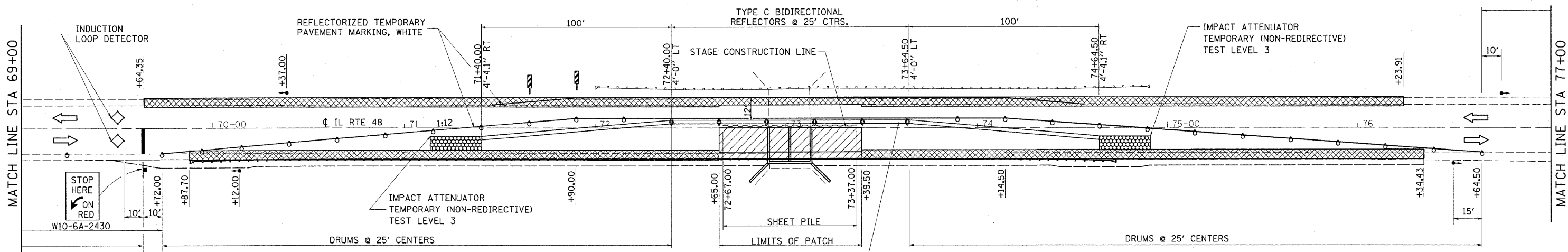
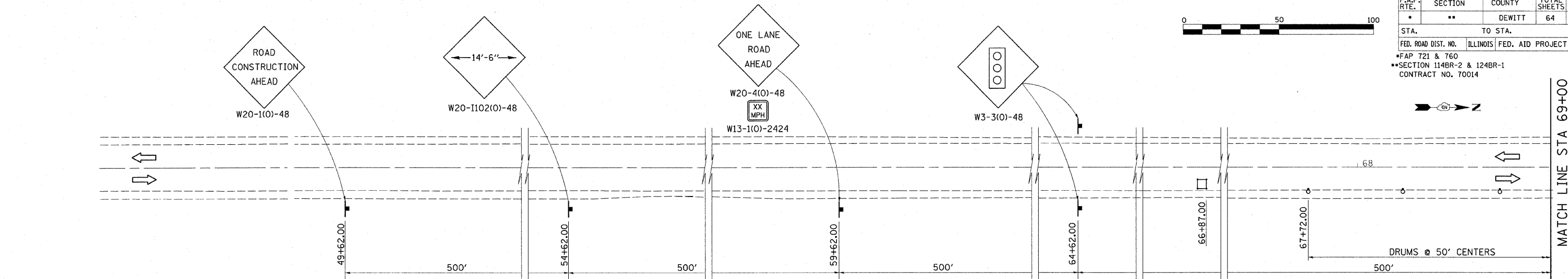
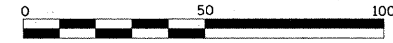
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 10
TRAFFIC CONTROL AND PROTECTION
STAGE II
 FAP 721 & 760 (IL-48)
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

SCALE: _____ DRAWN BY BANDY
 DATE _____ CHECKED BY STEUART

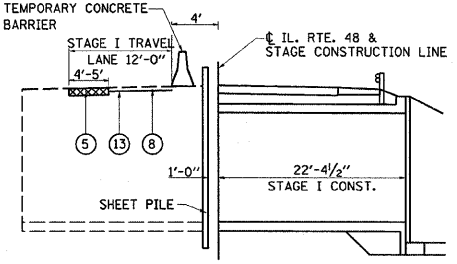


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	DEWITT	64	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				



LEGEND

- WORK AREA
- BASE COURSE (OPTION) TO BE COMPLETED BEFORE STAGE I
- SIGN
- TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- DOUBLE VERTICAL PANEL
- TYPE II BARRICADES OR DRUMS WITH MONO-DIRECTIONAL STURDY BURNING LIGHTS
- TYPE C BIDIRECTIONAL REFLECTORS



TYPICAL SECTION STAGE CONSTRUCTION

NOTES

- ⑤ PROPOSED BASE COURSE (OPTION)
 - ⑧ PROPOSED HMA SURFACE COURSE, MIX "C", N 50, (168 LBS/SQ YD)
 - ⑬ PROPOSED HMA SURFACE REMOVAL, 1 1/2 "
- NOTE: PRIOR TO STAGE I MILL (1 1/2 ") AND RESURFACE STAGE I TRAVEL LANE STA 71+40.00 TO STA 74+64.50

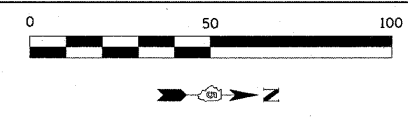
NOTES:
 ALL SIGNAGE, SPACING, TRAFFIC CONTROL EQUIPMENT AND TEMPORARY PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF HIGHWAY STANDARD 701321.
 ALL TEMPORARY BRIDGE TRAFFIC SIGNALS FOR STAGE I AND II WILL BE MEASURED AS 1 UNIT.
 RCA AND SIGNAL AHEAD SIGNS SHALL BE PLACED AT ANY SIDEROAD LOCATED WITHIN THE MAINLINE TRAFFIC CONTROL SIGNING LIMITS. THE LOCATIONS TO BE DETERMINED BY THE ENGINEER. THESE SIGNS WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE INCLUDED IN THE VARIOUS TRAFFIC CONTROL ITEMS.

REVISIONS	
NAME	DATE

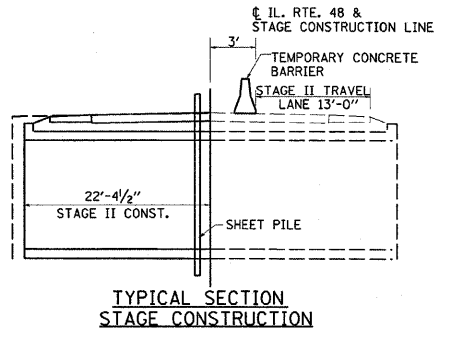
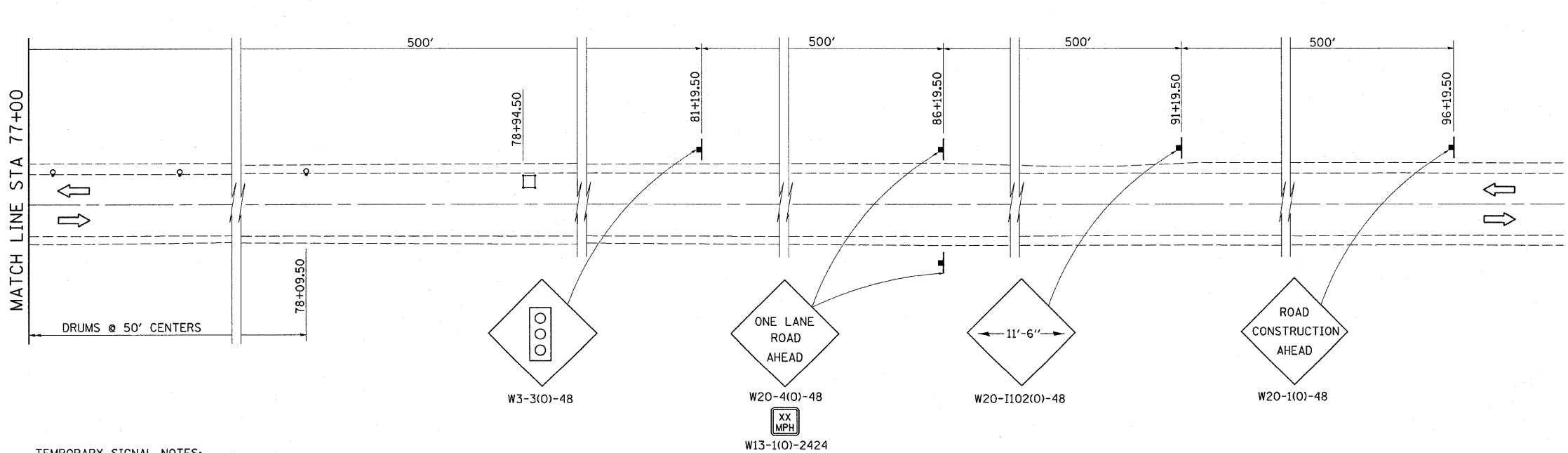
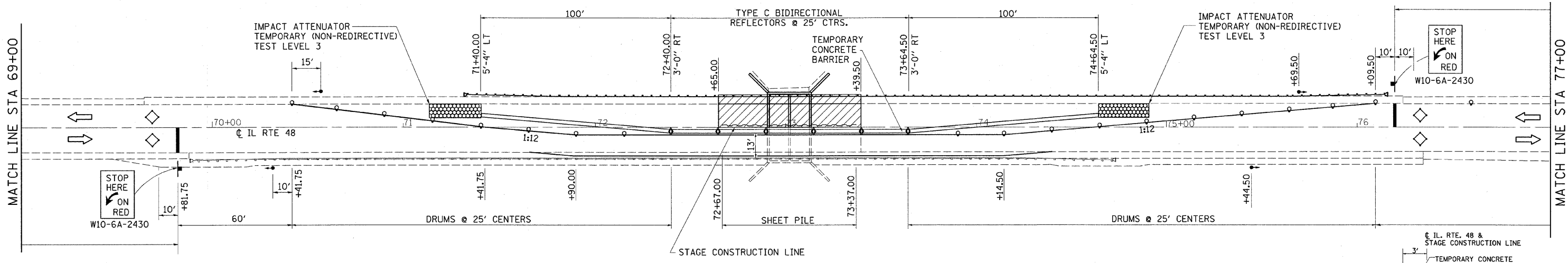
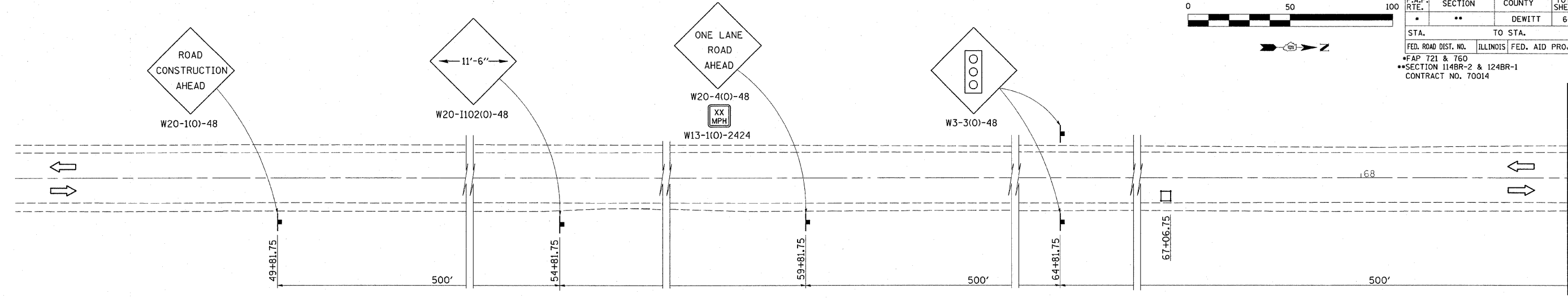
ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 48
TRAFFIC CONTROL AND PROTECTION
STAGE I
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

SCALE: _____
 DATE: _____

DRAWN BY BANDY
 CHECKED BY STEUART



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	**	DEWITT	64	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*FAP 721 & 760		**SECTION 114BR-2 & 124BR-1		
		CONTRACT NO. 70014		



- LEGEND**
- WORK AREA
 - SIGN
 - TRAFFIC SIGNAL
 - INDUCTION LOOP DETECTOR
 - DOUBLE VERTICAL PANEL
 - TYPE II BARRICADES OR DRUMS WITH MONO-DIRECTIONAL STURDY BURNING LIGHTS
 - TYPE C BIDIRECTIONAL REFLECTORS

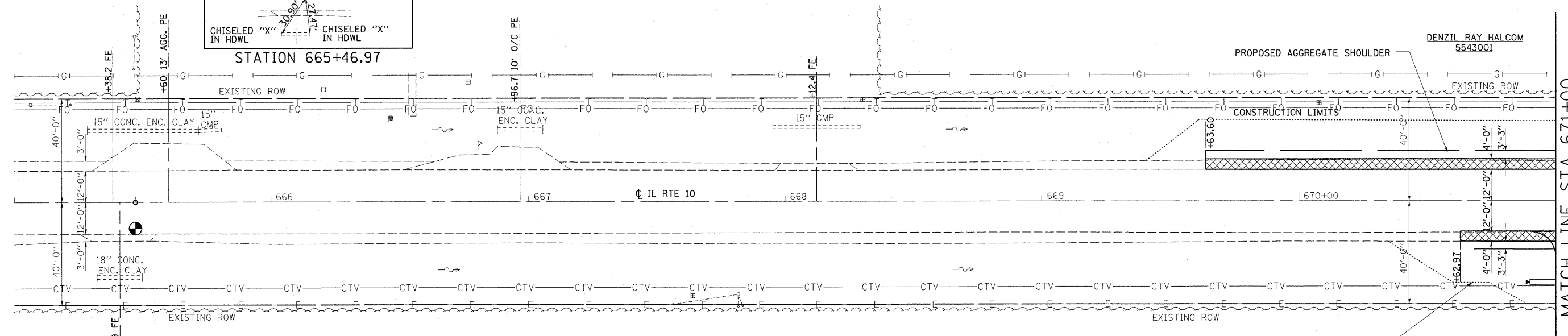
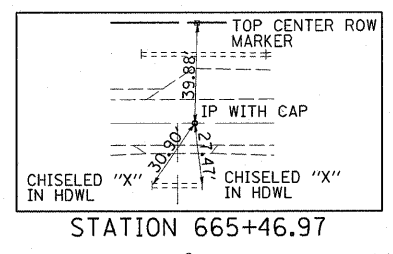
TEMPORARY SIGNAL NOTES:
 PORTABLE MICROWAVE TEMPORARY BRIDGE SIGNALS SHALL BE PERMITTED TO PROVIDE DETECTION FOR THE TEMPORARY CONTROLLER. ALL ADJUSTMENTS AND RELOCATION OF VIDEO COMPONENTS ARE TO BE INCLUDED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION COST.
 POLES USED FOR TEMPORARY SIGNAL INSTALLATION SHALL PROVIDE FOR A MINIMUM 35 FOOT MOUNTING HEIGHT FOR THE VIDEO CAMERAS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION IL ROUTE 48 TRAFFIC CONTROL AND PROTECTION STAGE II FAP 721 & 760 SECTION 114BR-2 & 124BR-1 DEWITT COUNTY
NAME	DATE	

SCALE: _____ DATE: _____ DRAWN BY: BANDY CHECKED BY: STEUART

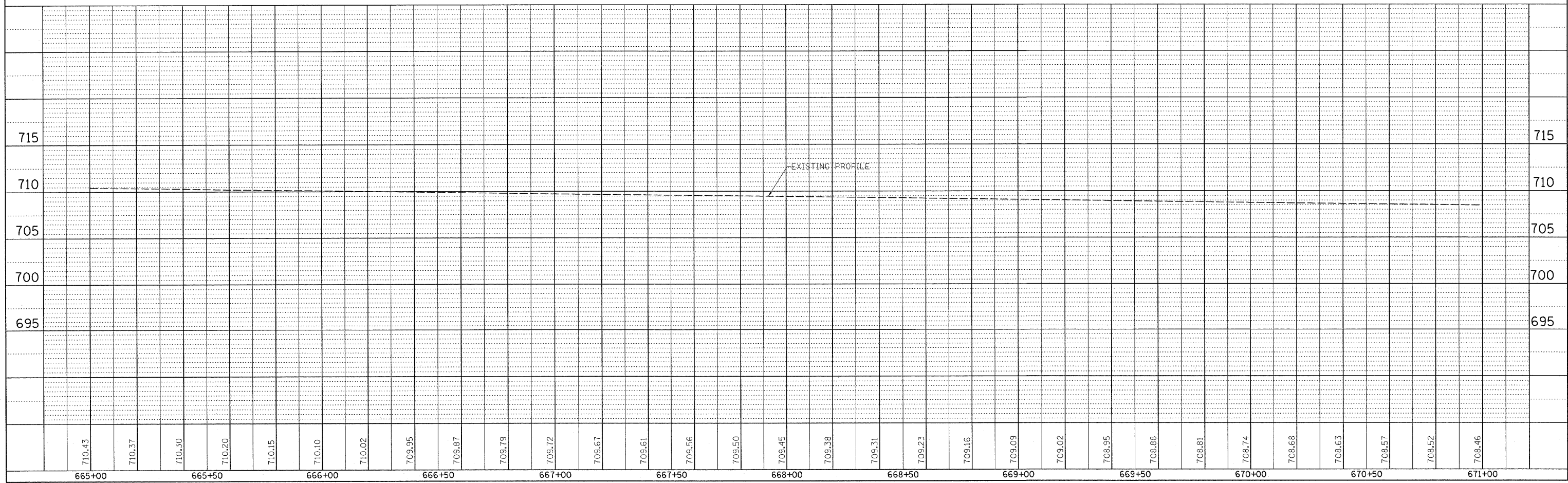
SEC 3, T 19 N, R 4 E, 3RD P.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	114BR-2	DEWITT	64	12
STA. 665+00		TO STA. 671+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70014				



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	DATE FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	DATE FILE NAME	

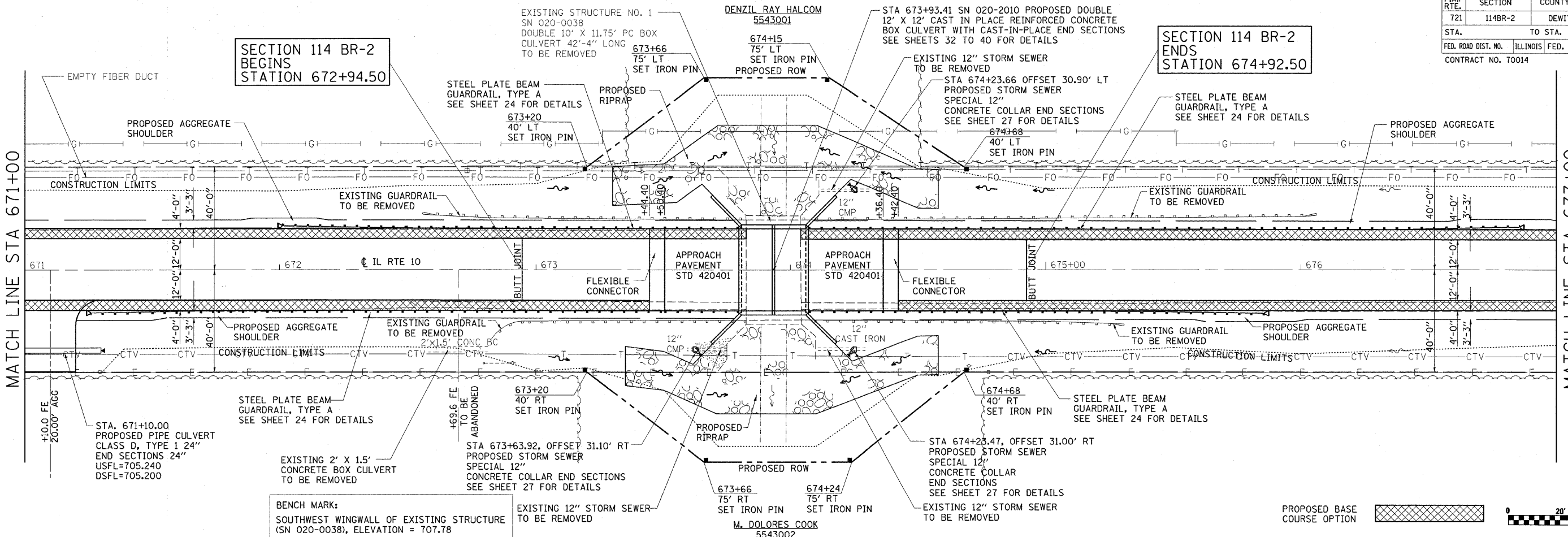


PLAN AND PROFILE, FAP ROUTE 721 (IL-10), STA 665+00 TO STA 671+00

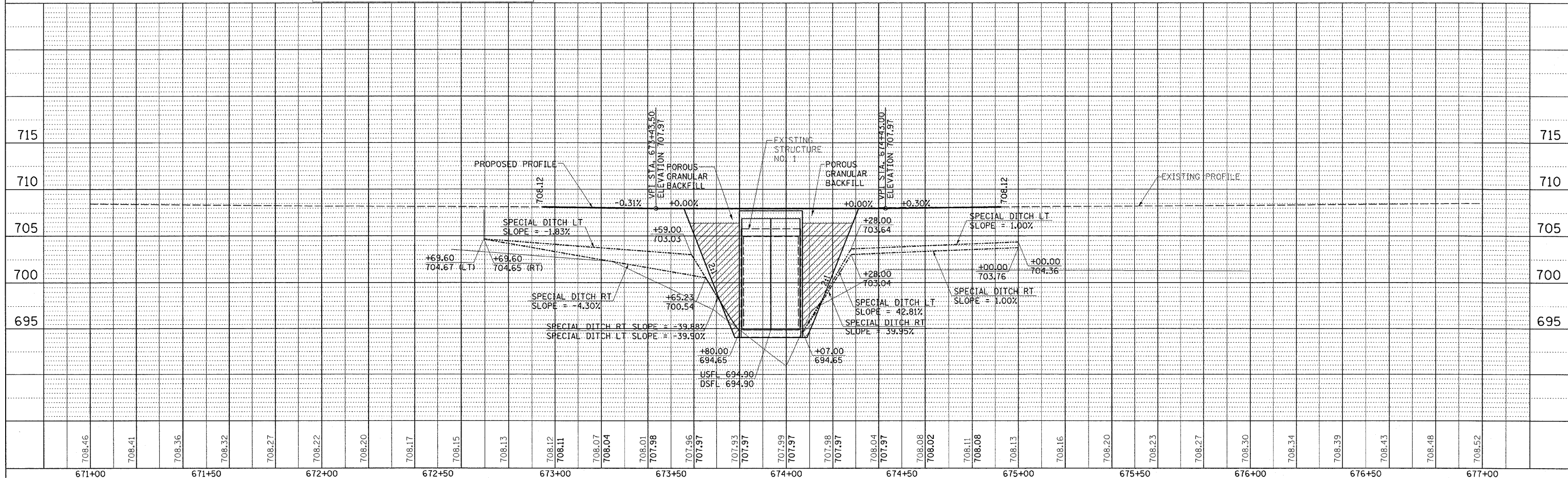
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	114BR-2	DEWITT	64	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70014				

SECTION 114 BR-2 BEGINS STATION 672+94.50

SECTION 114 BR-2 ENDS STATION 674+92.50



BENCH MARK:
SOUTHWEST WINGWALL OF EXISTING STRUCTURE (SN 020-0038), ELEVATION = 707.78



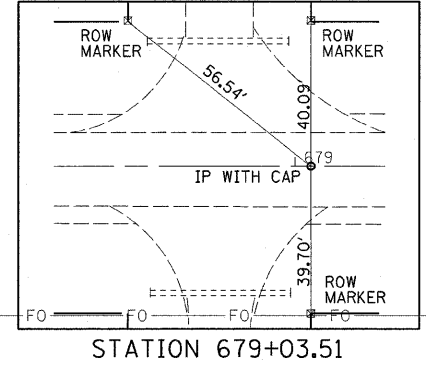
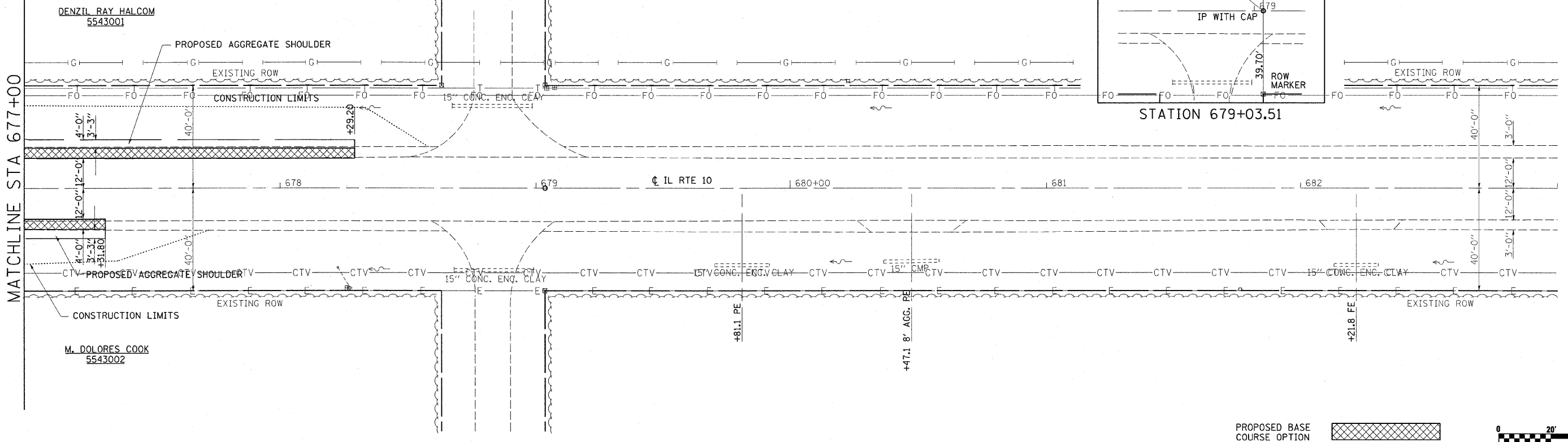
PLAN AND PROFILE, FAP ROUTE 721 (IL-10), STA 671+00 TO STA 677+00

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	BY	
	DATE	

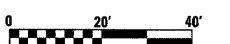
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	BY	
	DATE	

SEC 3, T 19 N, R 4 E, 3RD P.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	114BR-2	DEWITT	64	14
STA. 677+00		TO STA. 683+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70014				

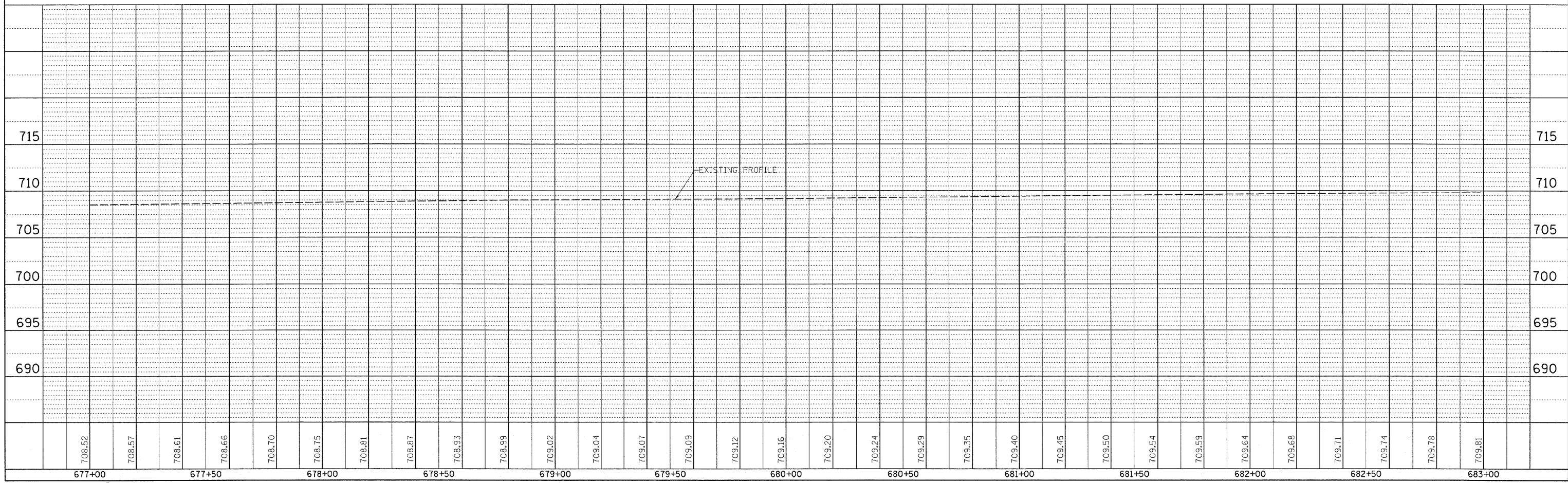


PROPOSED BASE COURSE OPTION



PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHFD	



PLAN AND PROFILE, FAP ROUTE 721 (IL-10), STA 677+00 TO STA 683+00

DENZIL RAY HALCOM
5543001

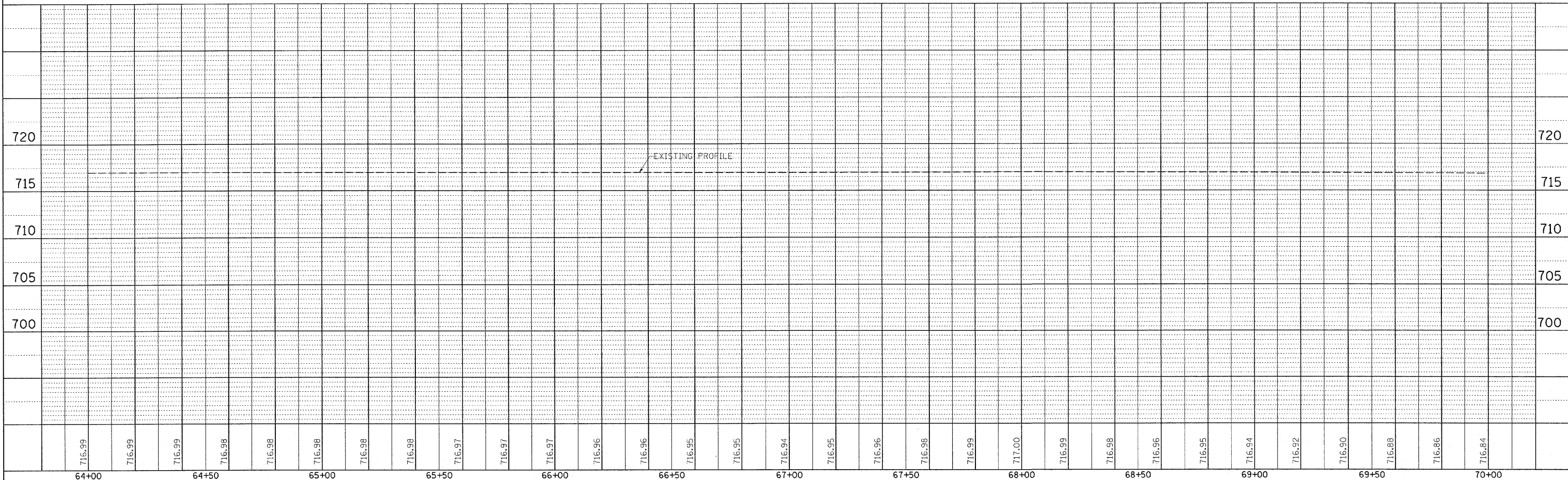
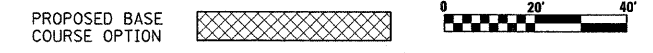
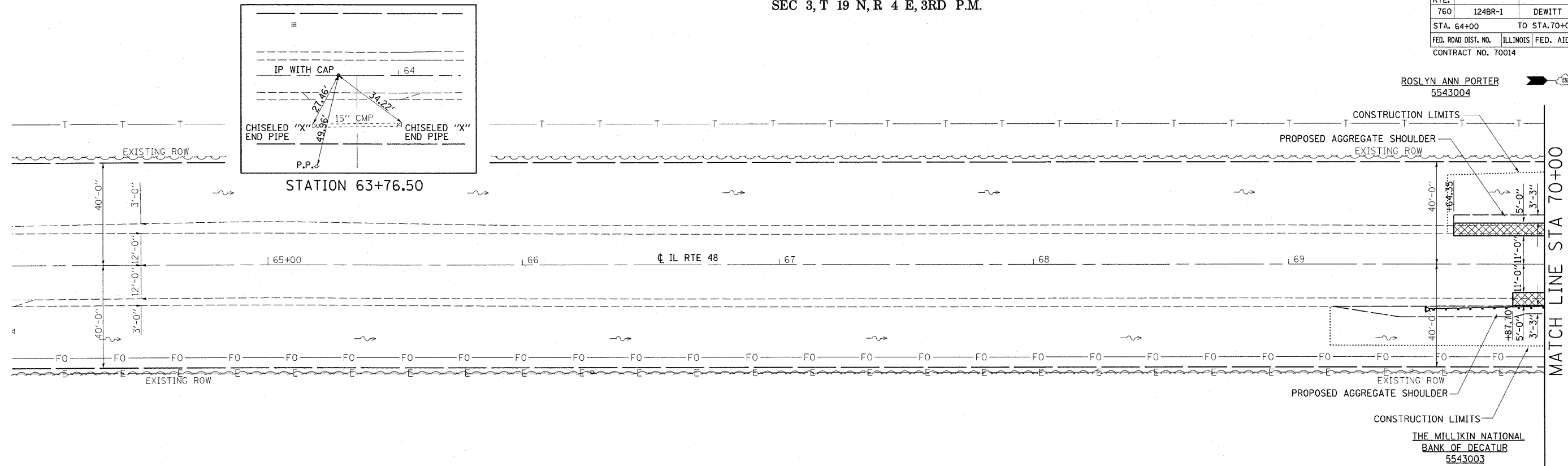
M. DOLORES COOK
5543002

SEC 3, T 19 N, R 4 E, 3RD P.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124BR-1	DEWITT	64	15
STA. 64+00		TO STA. 70+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70014				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	ALIGNED	BY
	RT. OF WAY CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHECKED	



PLAN AND PROFILE, FAP ROUTE 760 (IL-48), STA 64+00 TO STA 70+00

SEC 3, T 19 N, R 4 E, 3RD P.M.

STATION 72+65.00
BEGIN
SECTION 124BR-1

STA 72+88.67, 21.07' LT
PROPOSED STORM SEWER
SPECIAL 12" CONCRETE COLLAR
SEE SHEET 27 FOR DETAILS

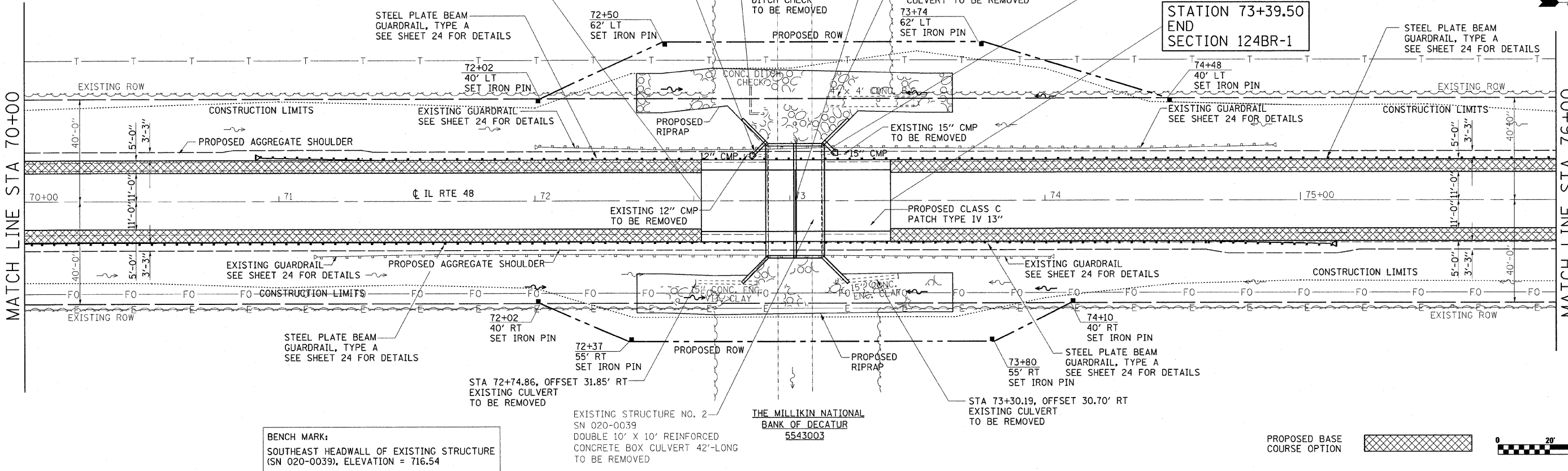
ROSLYN ANN PORTER
5543004

STA 73+02.00 SN 020-2011 PROPOSED DOUBLE 10' X 10'
CAST-IN-PLACE REINFORCED CONCRETE BOX CULVERT
WITH CAST-IN-PLACE END SECTIONS
SEE SHEETS 41 TO 47 FOR BOX DETAILS

STA 73+15.33, 21.07' LT
PROPOSED STORM SEWER
SPECIAL 15" CONCRETE COLLAR
SEE SHEET 27 FOR DETAILS

STATION 73+39.50
END
SECTION 124BR-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124BR-1	DEWITT	64	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70014				

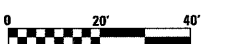


BENCH MARK:
SOUTHEAST HEADWALL OF EXISTING STRUCTURE
(SN 020-0039), ELEVATION = 716.54

EXISTING STRUCTURE NO. 2
SN 020-0039
DOUBLE 10' X 10' REINFORCED
CONCRETE BOX CULVERT 42'-LONG
TO BE REMOVED

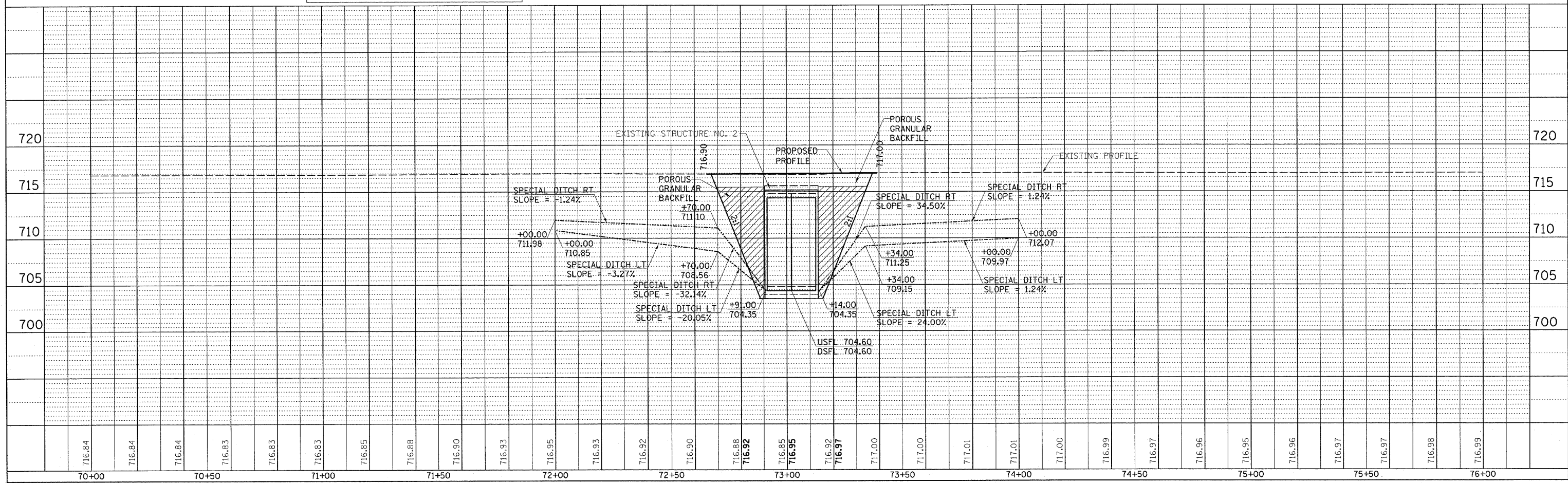
STA 73+30.19, OFFSET 30.70' RT
EXISTING CULVERT
TO BE REMOVED

PROPOSED BASE COURSE OPTION



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	BY	
	CHECKED	
	DATE	
	NO.	
	BY	
	CHECKED	
	DATE	
	NO.	
	BY	
	CHECKED	
	DATE	
	NO.	
	BY	
	CHECKED	
	DATE	
	NO.	
	BY	
	CHECKED	
	DATE	
	NO.	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	BY	
	CHECKED	
	DATE	
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	BY	
	CHECKED	
	DATE	
	NO.	
	BY	
	CHECKED	
	DATE	
	NO.	



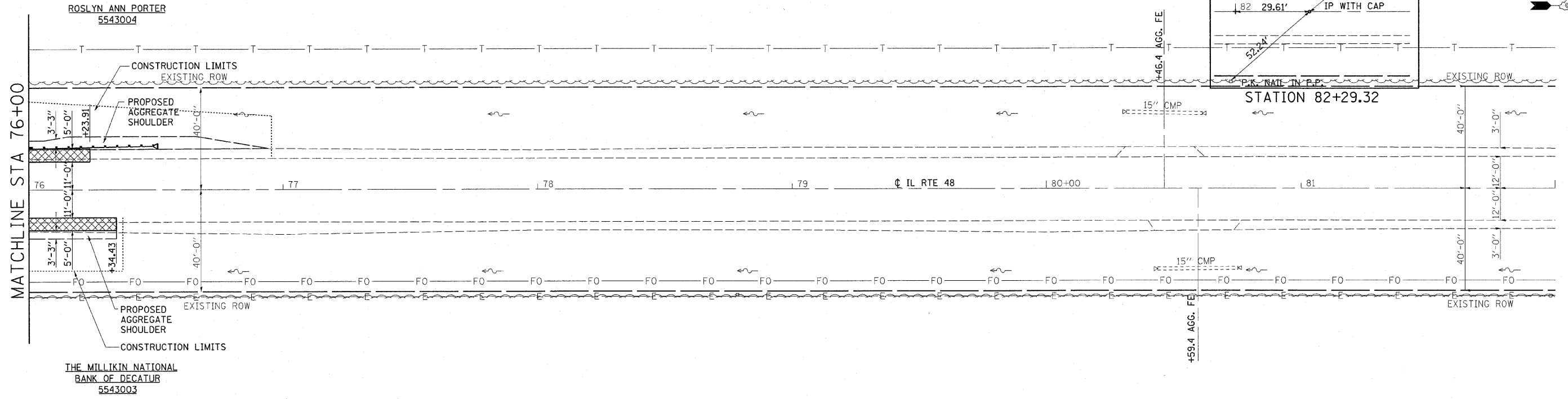
PLAN AND PROFILE, FAP ROUTE 760 (IL-48), STA 70+00 TO STA 76+00

SEC 3, T 19 N, R 4 E, 3RD P.M.

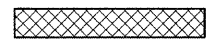
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	1248R-1	DEWITT	64	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70014				



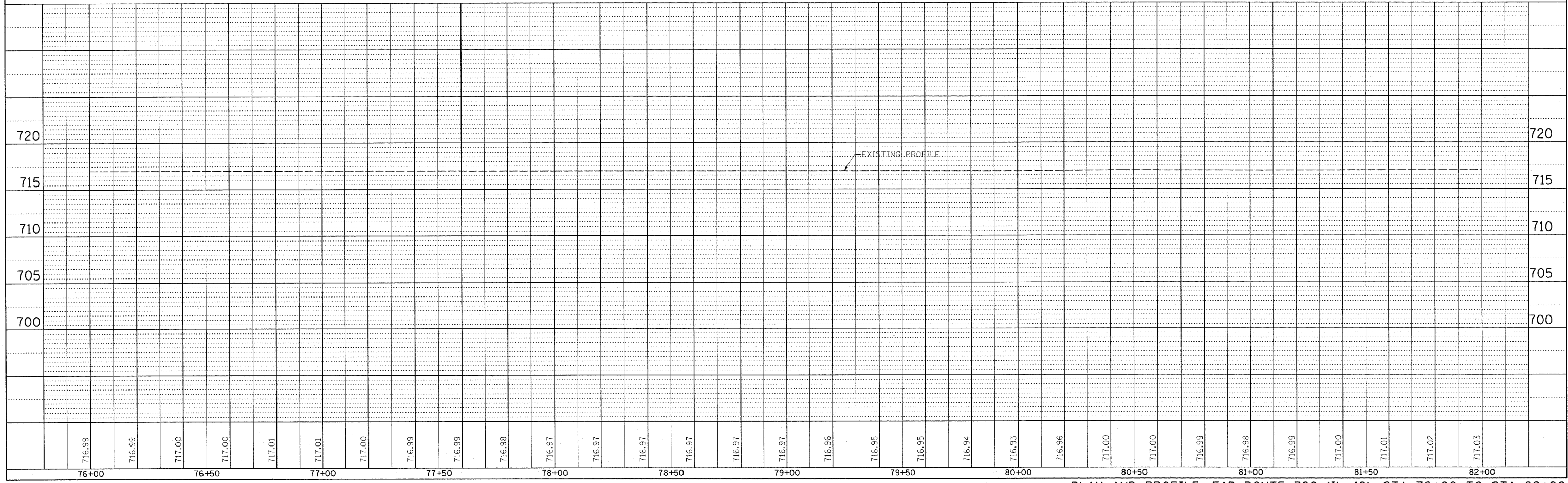
PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NO.	



PROPOSED BASE COURSE OPTION

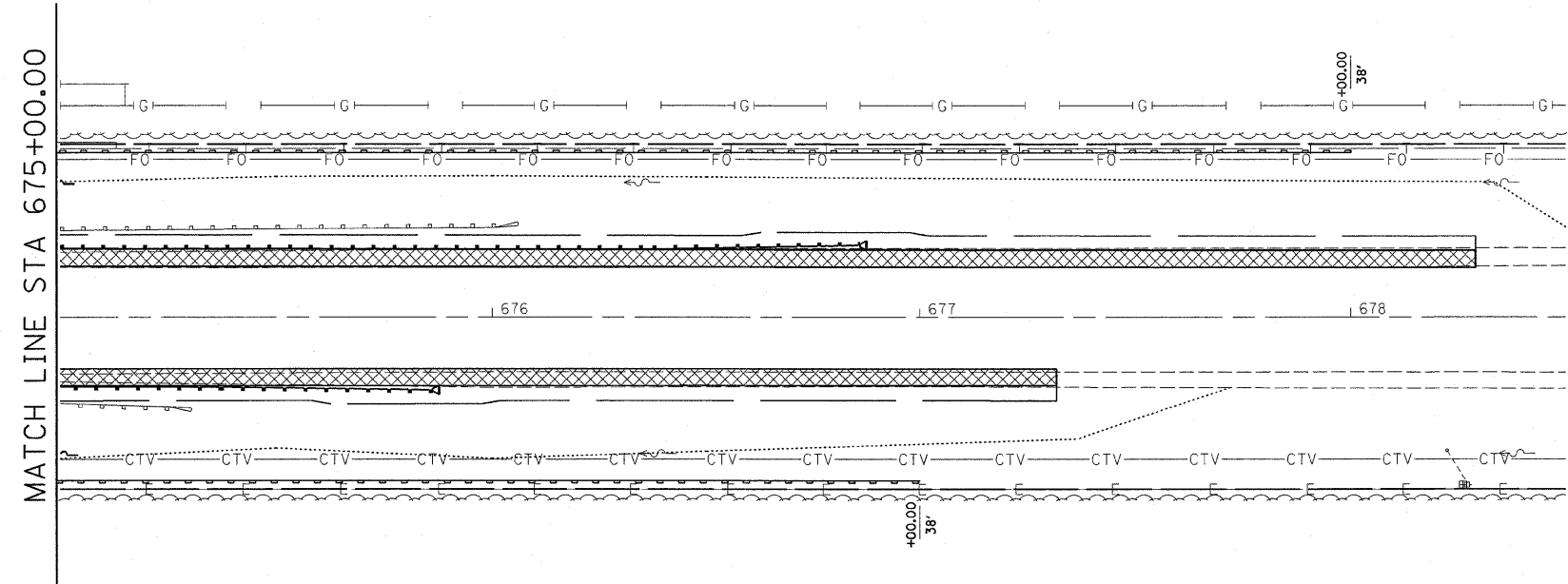
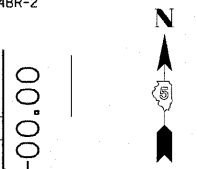
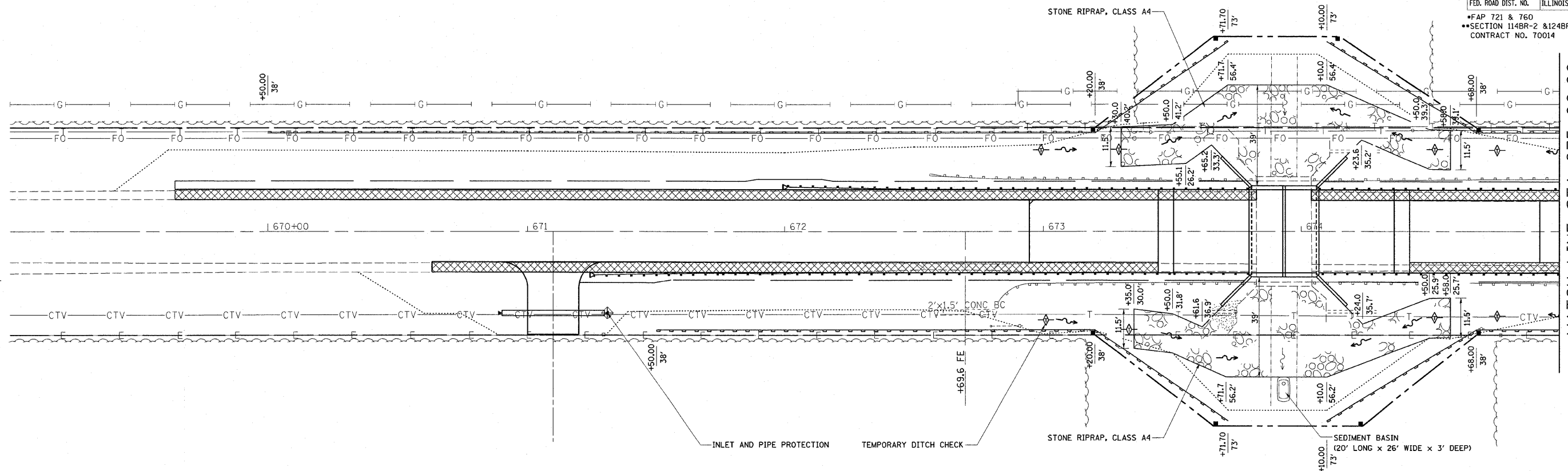


PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NO.	



PLAN AND PROFILE, FAP ROUTE 760 (IL-48), STA 76+00 TO STA 82+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	**	DEWITT	64	18
STA. 669+00.00 TO STA. 678+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
•FAP 721 & 760				
•SECTION 114BR-2 & 124BR-2				
CONTRACT NO. 70014				



LEGEND

- TEMPORARY DITCH CHECKS
- SUMMIT
- ROADWAY DITCH FLOW
- INLET AND PIPE PROTECTION
- ITEM PLACED AT BEGINNING OF CONSTRUCTION (REQUIREMENT)
- SEDIMENT BASIN
- PERIMETER EROSION BARRIER

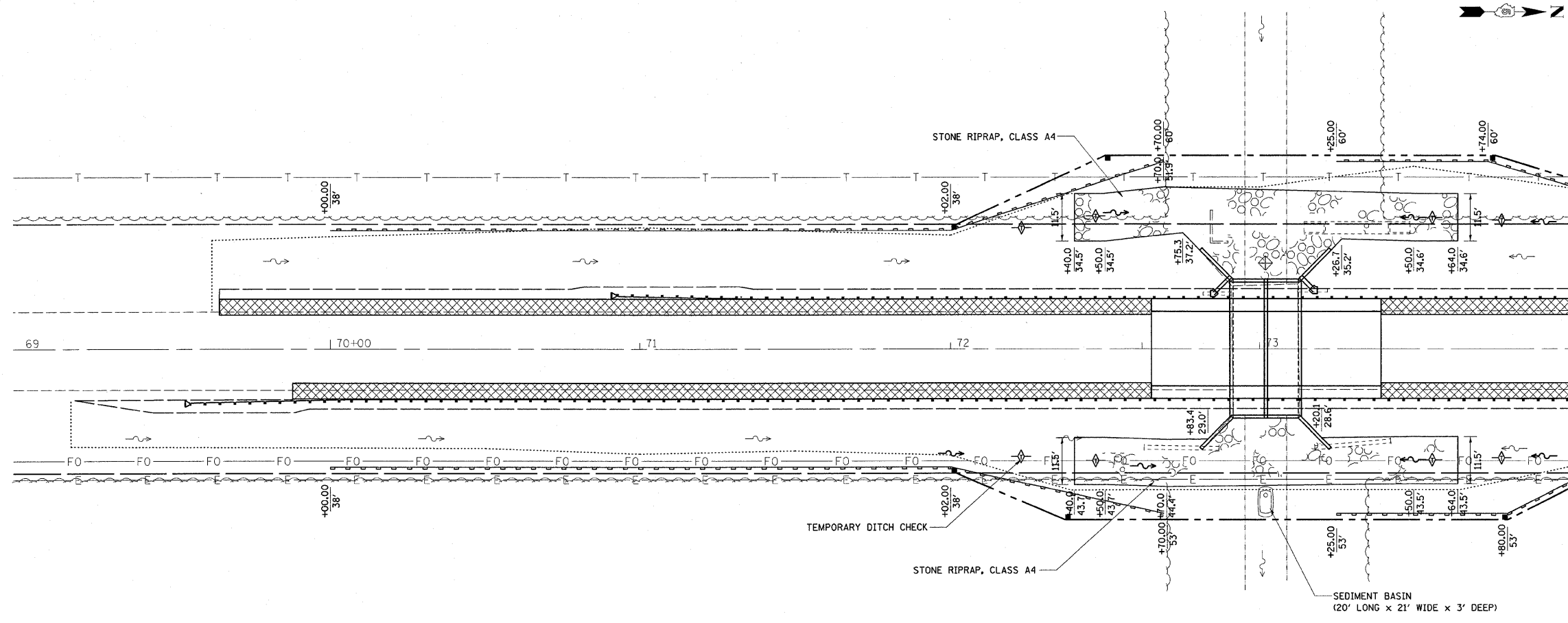
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

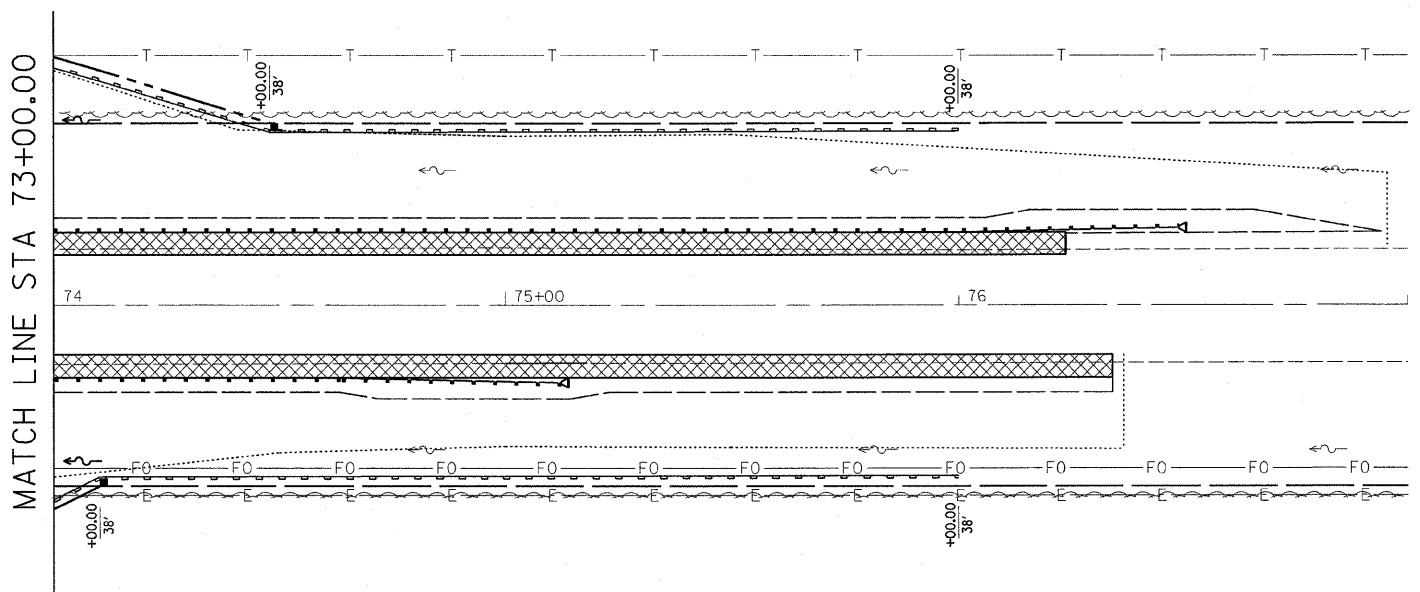
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY SEIB
 CHECKED BY STEWART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	DEWITT	64	19
STA. 69+00.00 TO STA. 77+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
•FAP 721 & 760				
••SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				



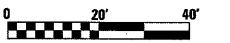
MATCH LINE STA 73+00.00



MATCH LINE STA 73+00.00

LEGEND

- TEMPORARY DITCH CHECKS
- SUMMIT
- ROADWAY DITCH FLOW
- INLET AND PIPE PROTECTION
- ITEM PLACED AT BEGINNING OF CONSTRUCTION (REQUIREMENT)
- SEDIMENT BASIN
- PERIMETER EROSION BARRIER



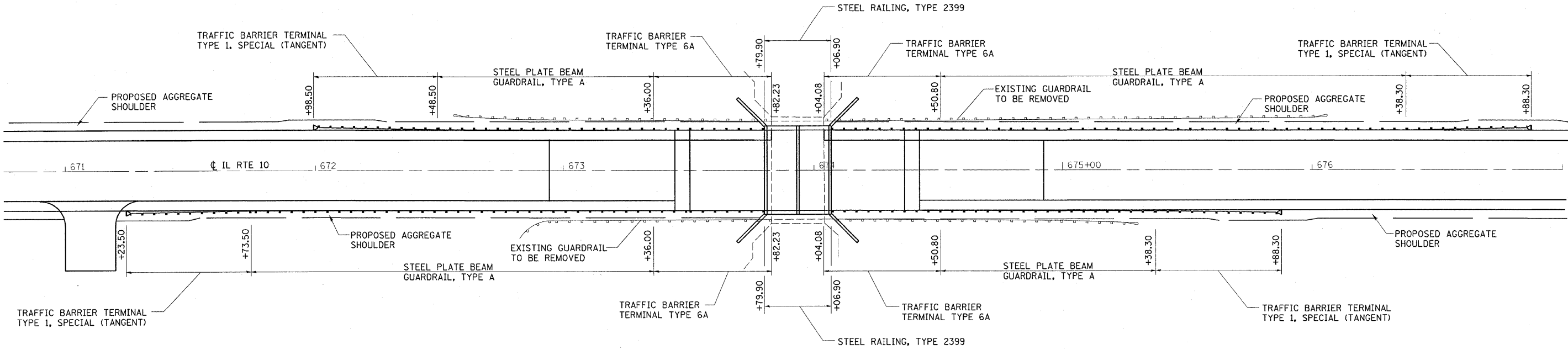
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

SCALE: VERT. _____
 DATE _____ HORIZ. _____

DRAWN BY SEIB
 CHECKED BY STEWART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				

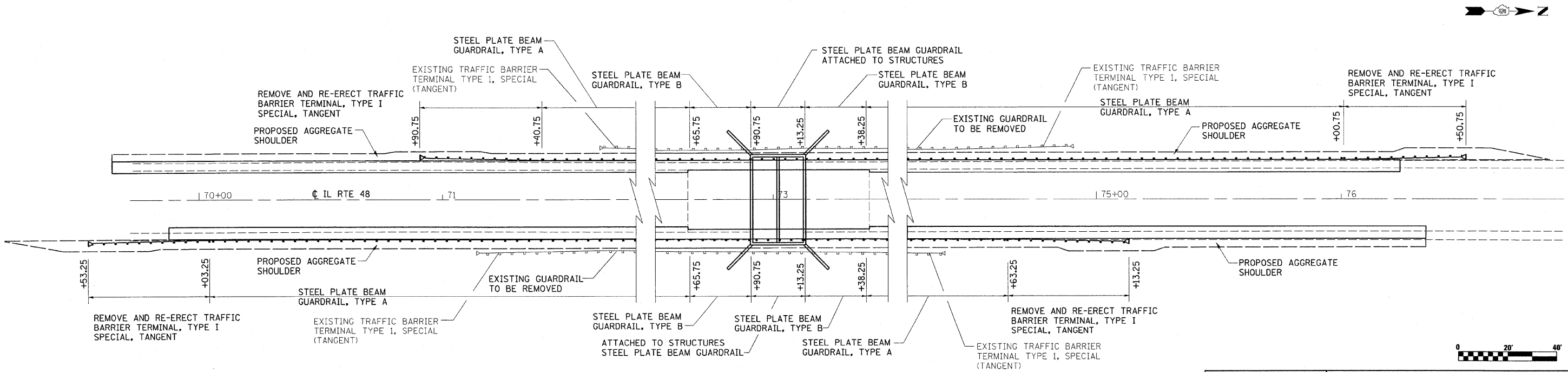


**ILLINOIS ROUTE 10
GUARDRAIL LOCATION LEFT**

STA 671+98.50 TO STA 673+82.23
STA 674+04.08 TO STA 676+88.30

**ILLINOIS ROUTE 10
GUARDRAIL LOCATION RIGHT**

STA 671+23.50 TO STA 673+82.23
STA 674+04.08 TO STA 675+88.30



**ILLINOIS ROUTE 48
GUARDRAIL LOCATION LEFT**

STA 70+90.75 TO STA 76+50.75

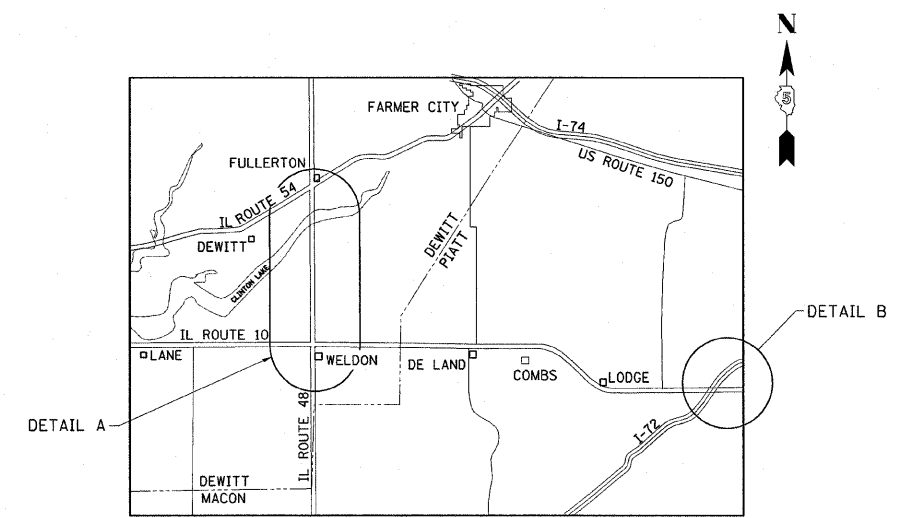
**ILLINOIS ROUTE 48
GUARDRAIL LOCATION RIGHT**

STA 69+53.25 TO STA 75+13.25

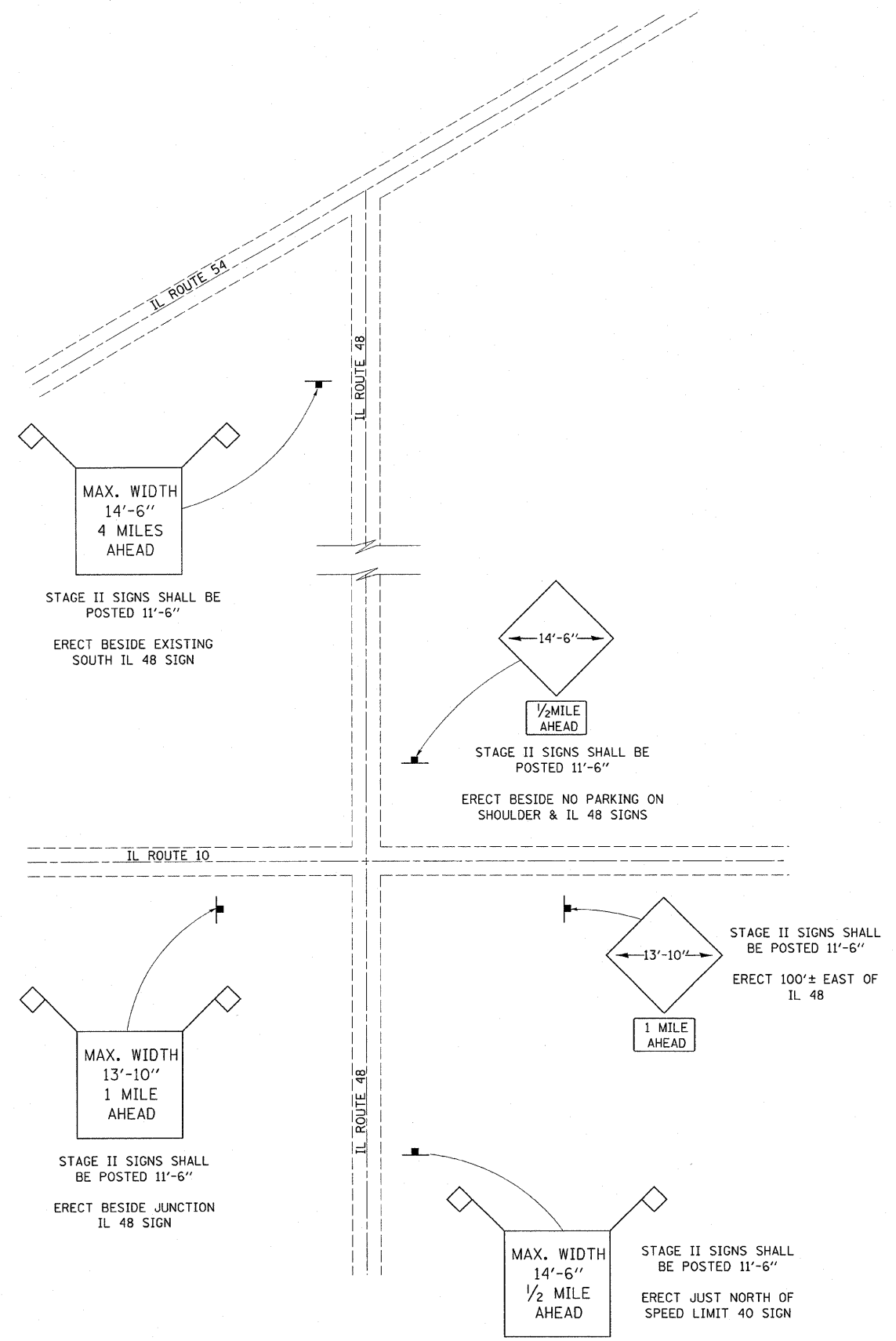
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GUARDRAIL PLAN DETAILS
FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY
SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY BANDY
CHECKED BY STEUART

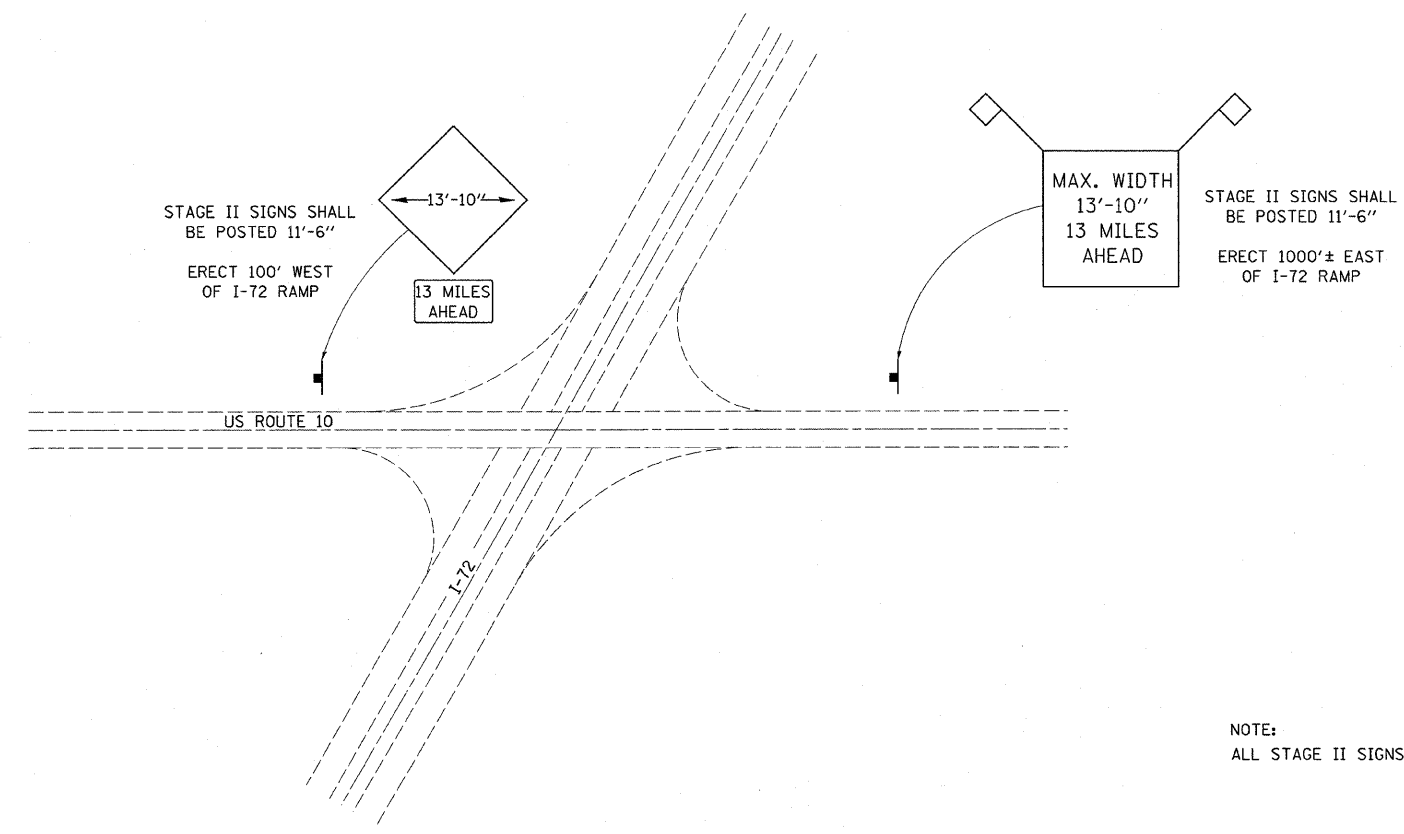
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	21
STA.		TO STA.		
FED. ROAD DIST. NO. 3		ILLINOIS FED. AID PROJECT		
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				



LOCATION MAP



DETAIL A



DETAIL B

NOTE:
ALL STAGE II SIGNS SHALL BE POSTED 11'-6"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

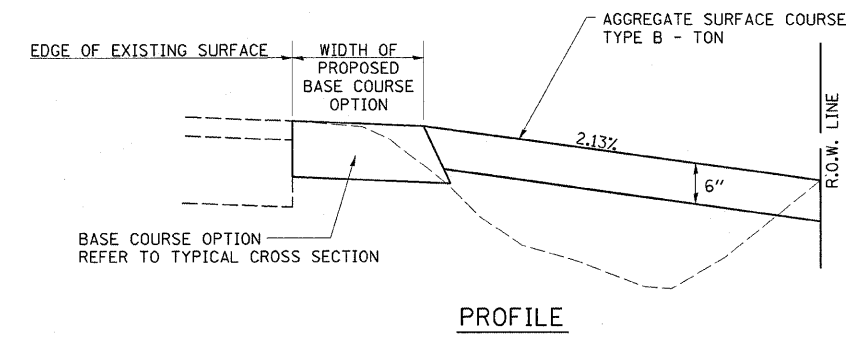
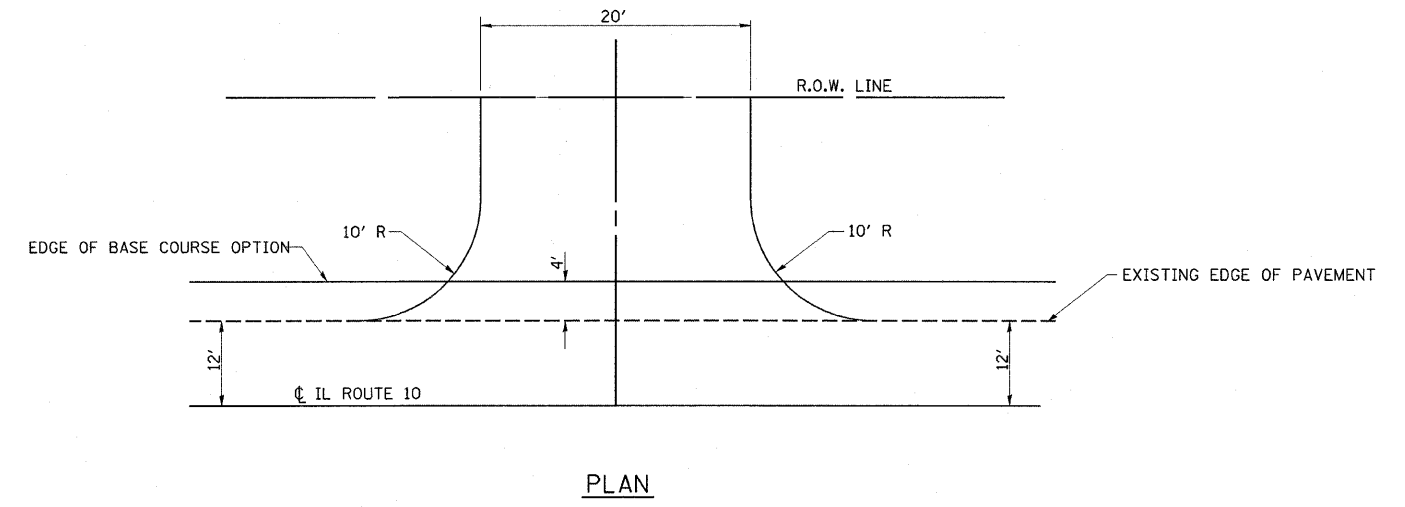
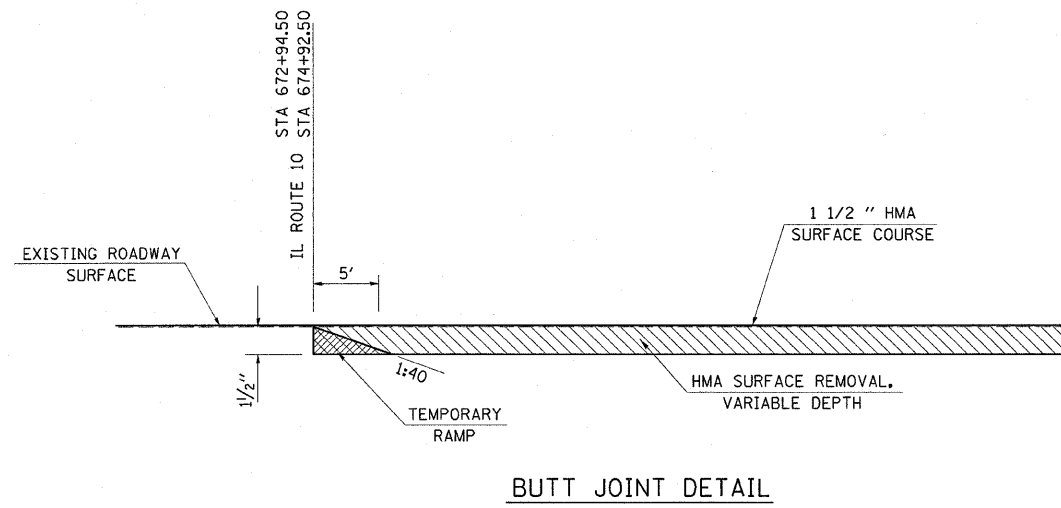
WIDTH RESTRICTION SIGNING DETAIL

FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY

DATE 10/13

DRAWN BY BANDY
CHECKED BY STEUART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				



PROPOSED FIELD ENTRANCE DETAIL
STA 671+00.00 RT

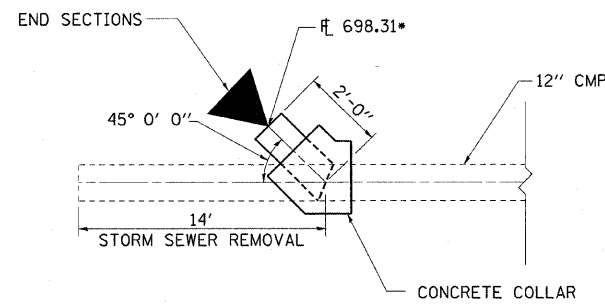
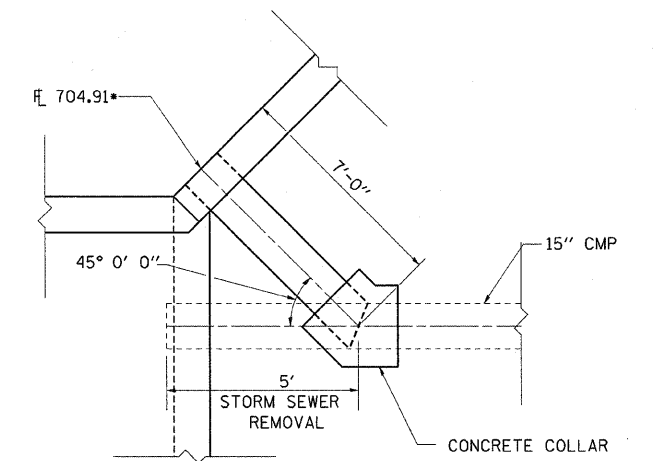
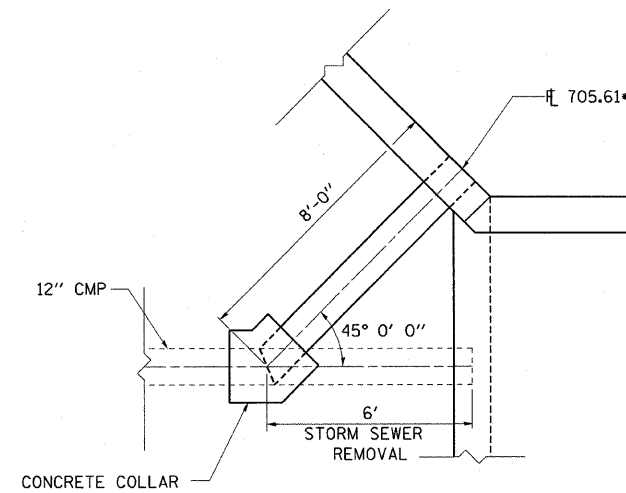
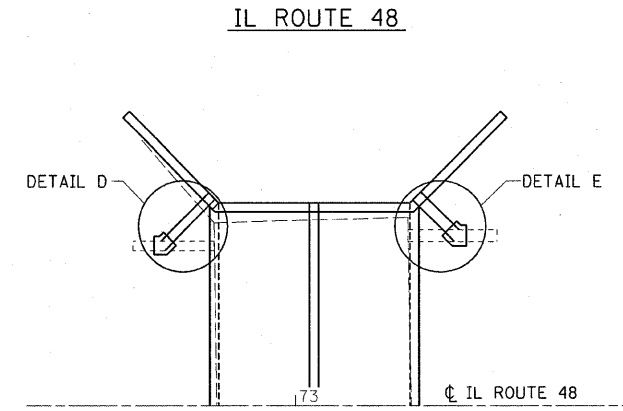
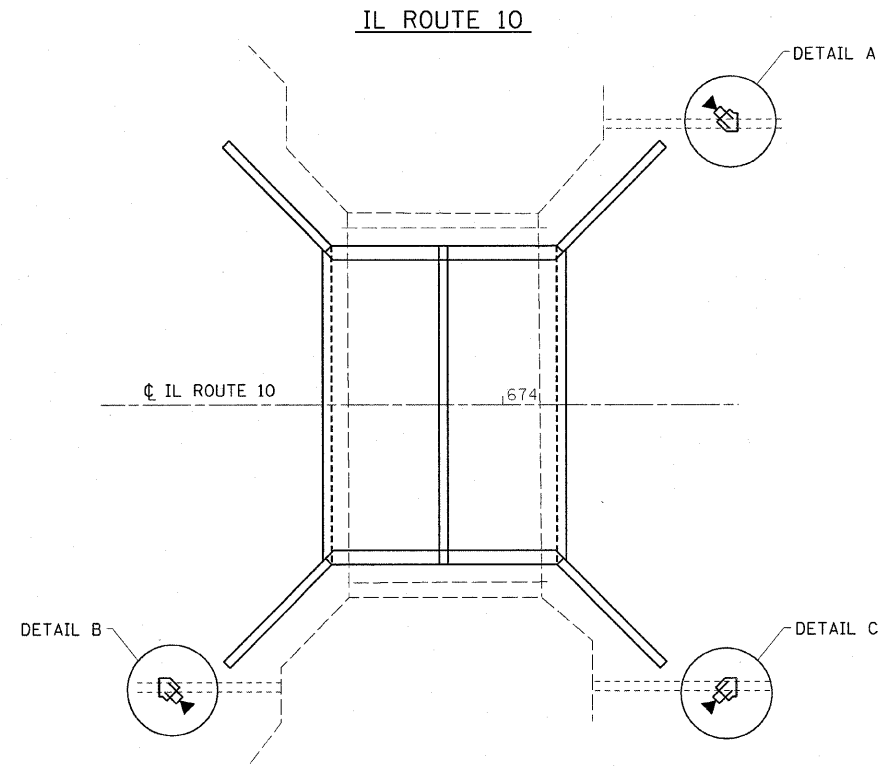
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAILS
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY BANDY
 CHECKED BY STEUART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				

BILL OF MATERIAL

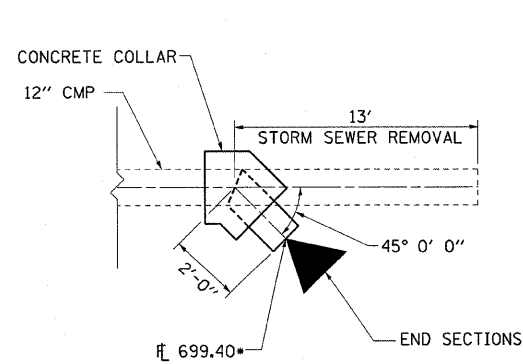
NAME	UNIT	QUANTITY	
		IL 10	IL 48
END SECTIONS 12"	EACH	3	
CONCRETE COLLAR	EACH	3	2
STORM SEWER REMOVAL 12"	FOOT	42	6
STORM SEWER REMOVAL 15"	FOOT		5
STORM SEWER SPECIAL 12"	FOOT	6	8
STORM SEWER SPECIAL 15"	FOOT		7



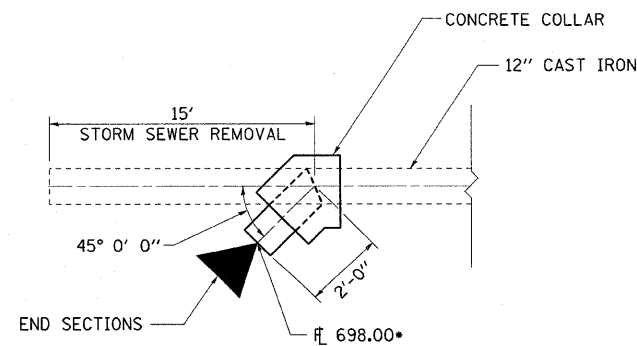
DETAIL D
STA 72+90.74 23.14 LT

DETAIL E
73+13.26 23.14 LT

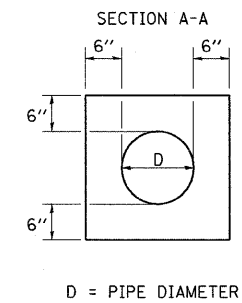
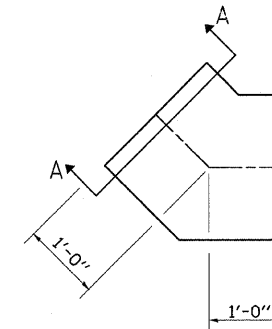
DETAIL A
STA 674+23.66 32.46 LT



DETAIL B
STA 673+63.92 32.51 RT



DETAIL C
STA 674+23.46 32.56 RT

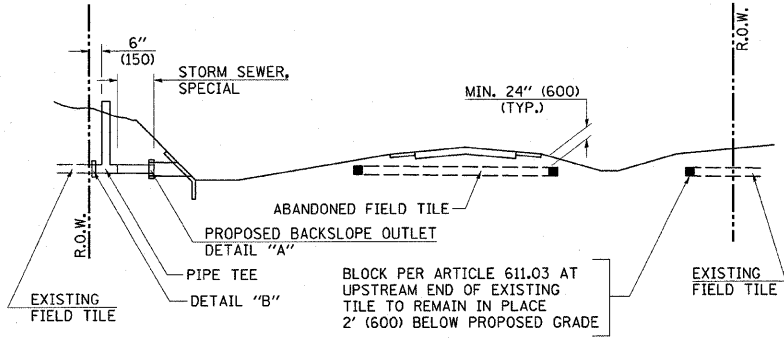


D = PIPE DIAMETER

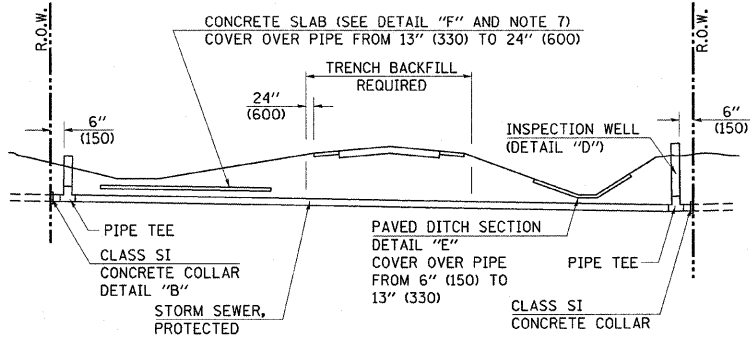
*NOTE: FINAL ELEVATIONS TO BE SET BY ENGINEER

REVISIONS	
NAME	DATE

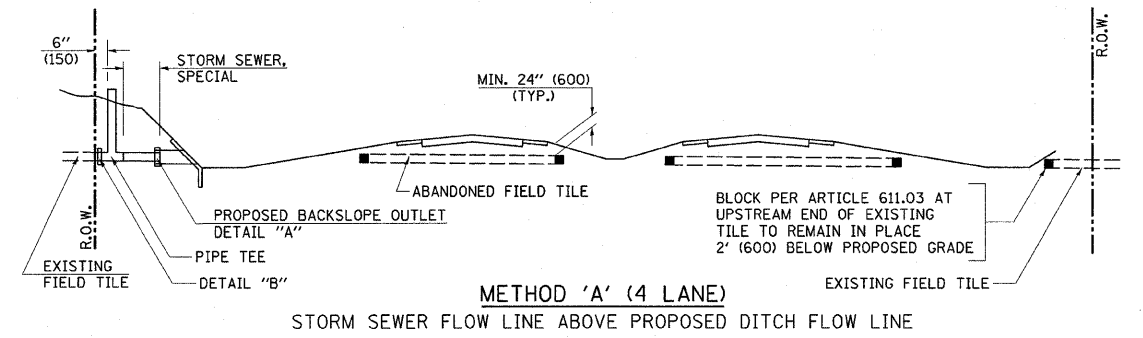
ILLINOIS DEPARTMENT OF TRANSPORTATION
FIELD TILE DETAILS
FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY
SCALE: DRAWN BY SEIB
DATE CHECKED BY STEUART



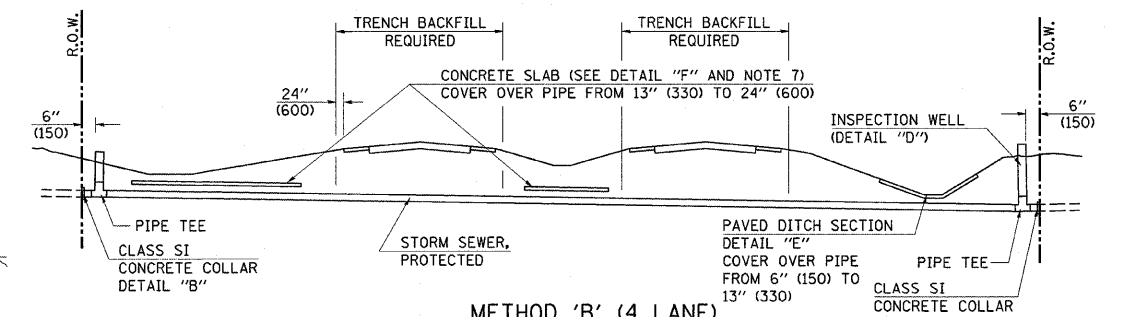
METHOD 'A' (2 LANE)
STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



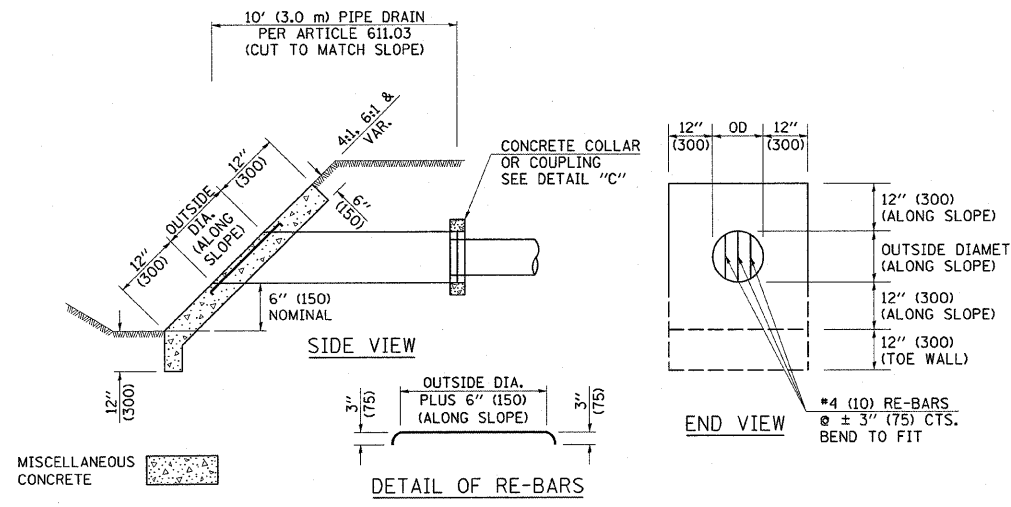
METHOD 'B' (2 LANE)
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



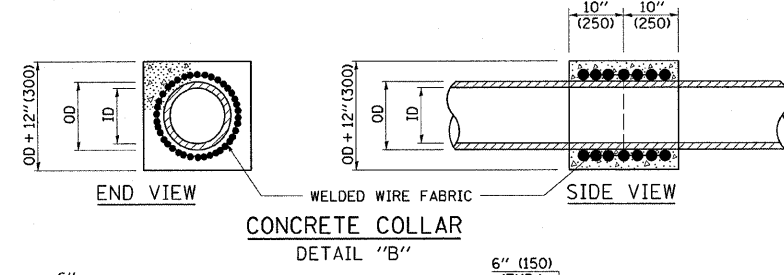
METHOD 'A' (4 LANE)
STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



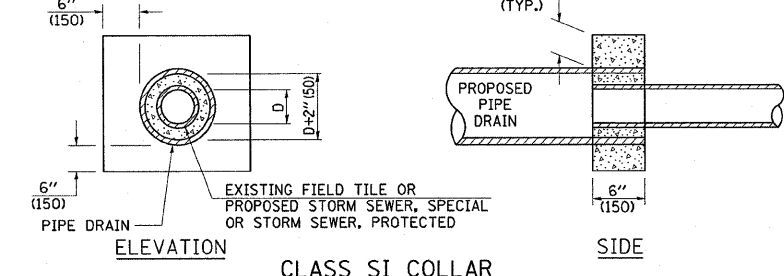
METHOD 'B' (4 LANE)
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"



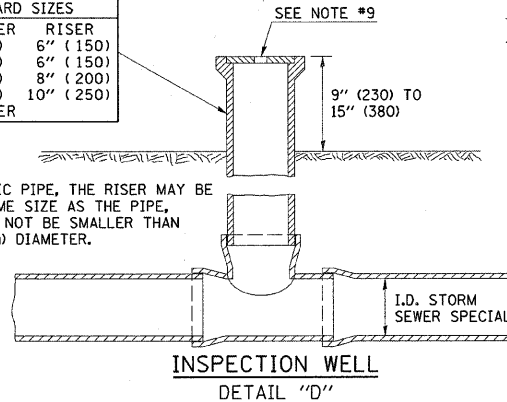
CONCRETE COLLAR
DETAIL "B"



CLASS SI COLLAR
DETAIL "C"

CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	10" (250)
OR GREATER	

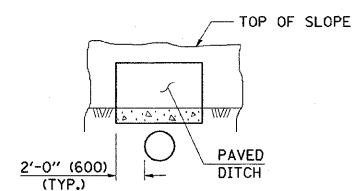
FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



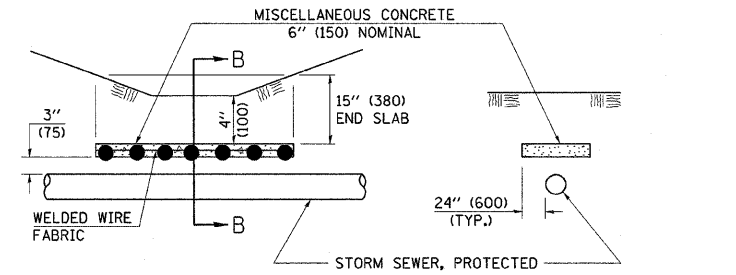
INSPECTION WELL
DETAIL "D"

GENERAL NOTES

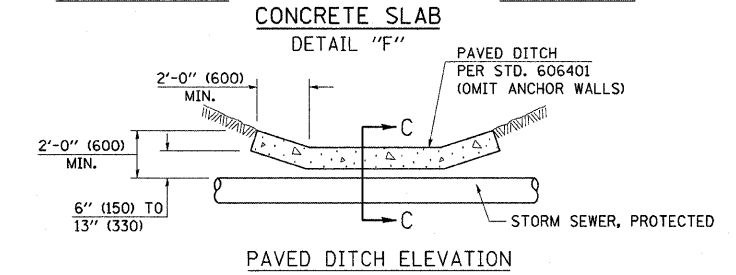
- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



SECTION C-C
PAVED DITCH
DETAIL "E"



SLAB ELEVATION **SECTION B-B**



CONCRETE SLAB
DETAIL "F"

DESIGNED		NAME		DATE		REVISIONS	
NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE

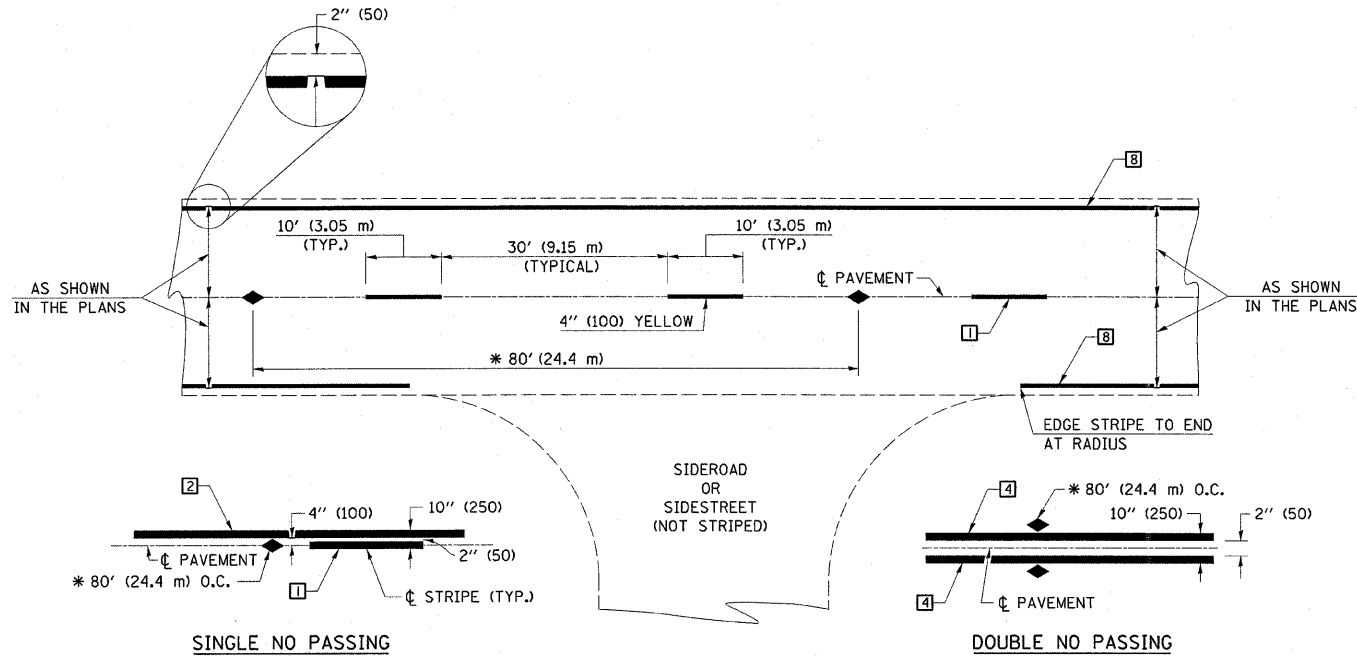
REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS FIELD TILE DETAILS
FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY

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

SCALE: DRAWN BY SEIB
DATE CHECKED BY STEUART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	DEWITT	64	25
STA.		TO STA.		
FED. ROAD DIST. NO. 5		ILLINOIS FED. AID PROJECT		
*FAP 721 & 760				
**SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

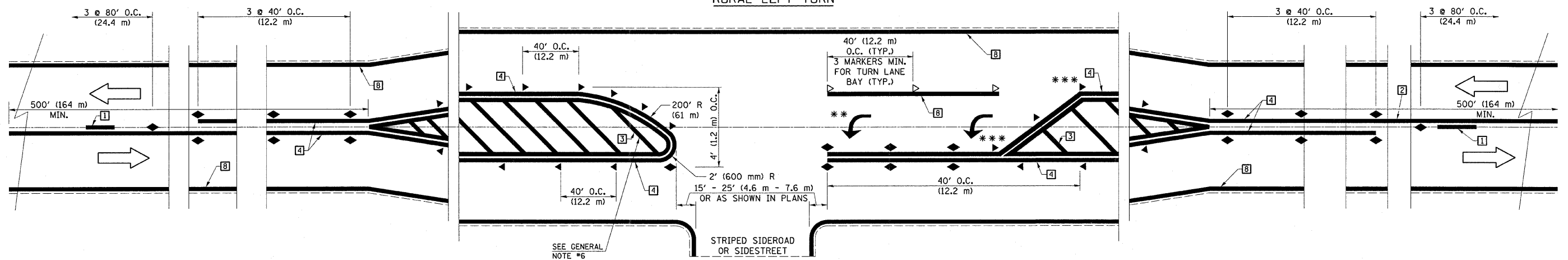
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

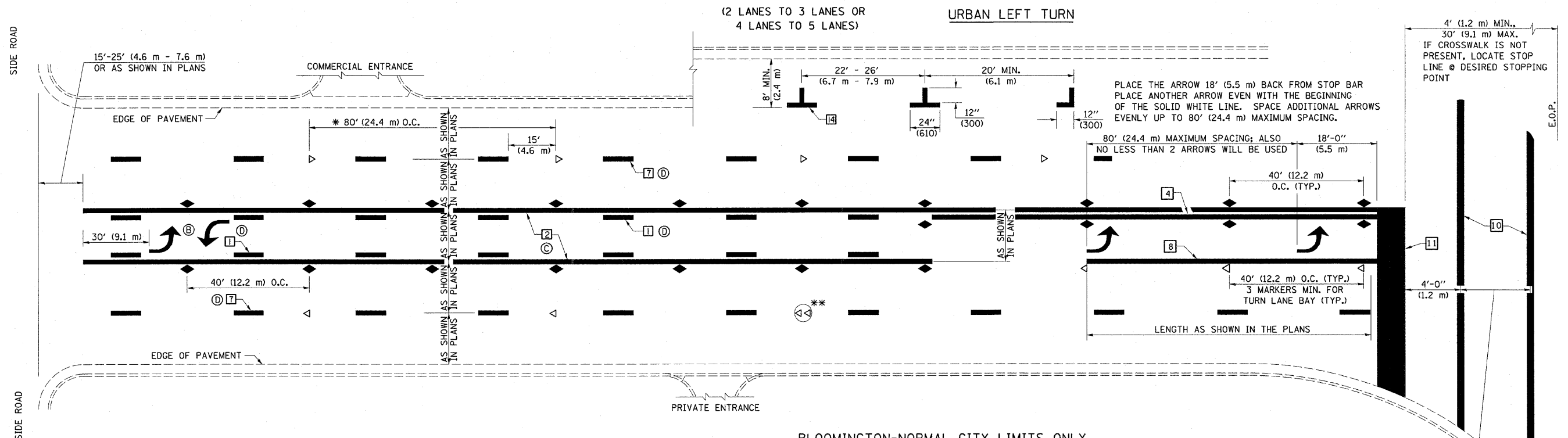
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

DESIGNED	NAME	DATE	REVISIONS		REVISIONS	
			NAME	DATE	NAME	DATE
CHECKED						
CADD NO.						

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY
 DATE _____ DRAWN BY BANDY
 CHECKED BY STEUART

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	DEWITT	64	26
STA.		TO STA.		
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				
•FAP 721 & 760				
•SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				

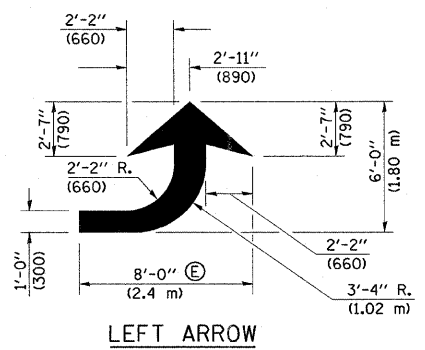


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

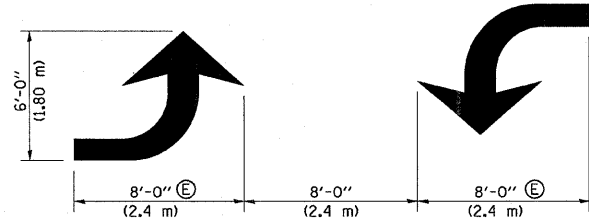
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

- GENERAL NOTES:**
- Ⓟ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
 - Ⓞ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
 - Ⓢ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
 - Ⓣ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780X FOR SYMBOLS TABLE)

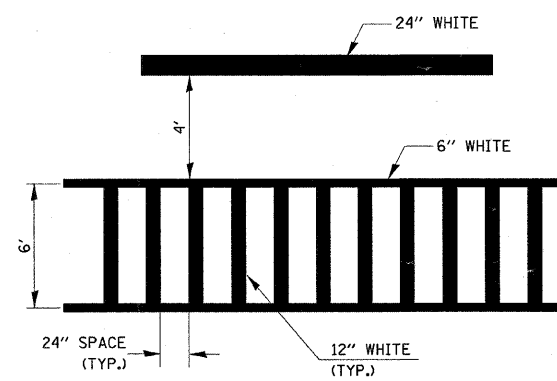
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED



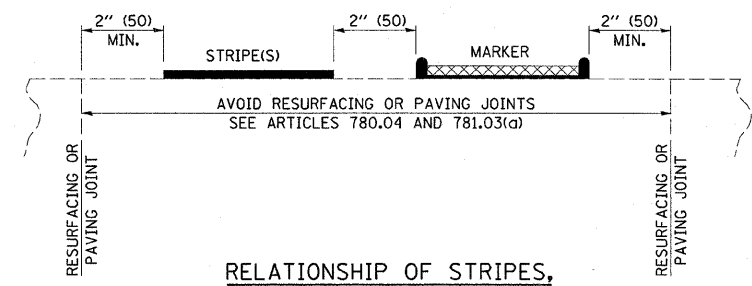
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



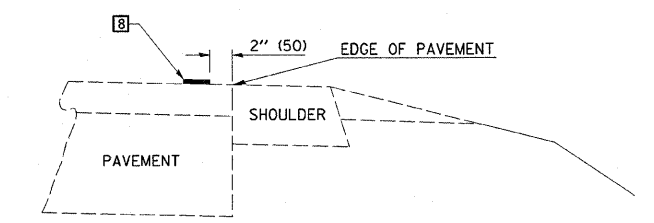
TYPICAL DOUBLE TURN ARROWS (WHITE)



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT
(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

FAP 721 & 760
SECTION 114BR-2 & 124BR-1
DEWITT COUNTY

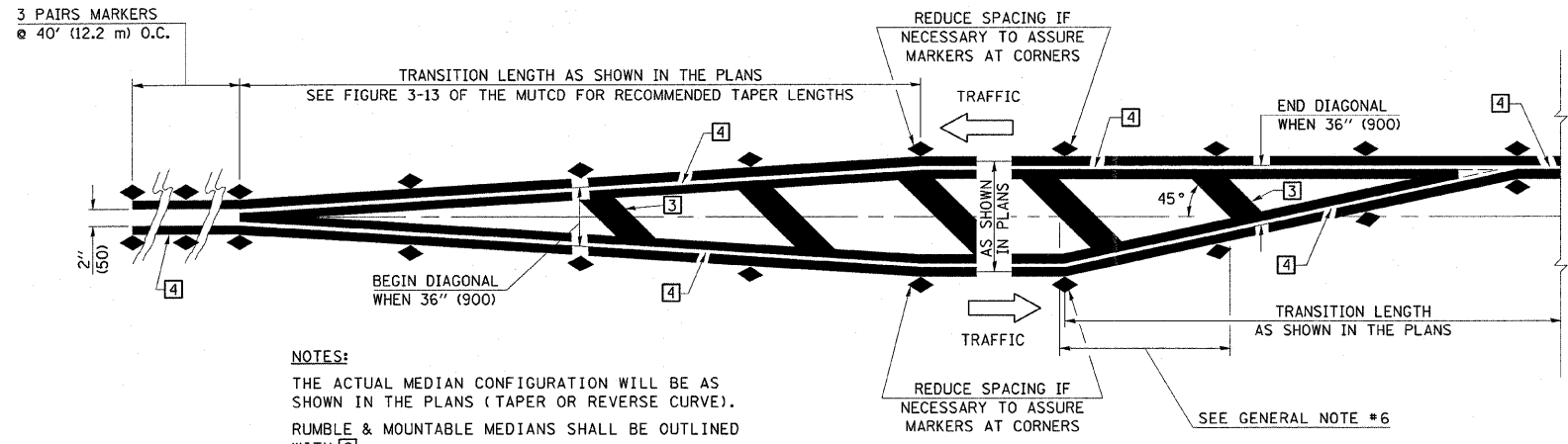
DATE _____ DRAWN BY BANDY
CHECKED BY STEUART

DESIGNED	NAME	DATE

REVISIONS	
NAME	DATE

REVISIONS	
NAME	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	DEWITT	64	27
STA.		TO STA.		
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				
•FAP 721 & 760				
•SECTION 114BR-2 & 124BR-1				
CONTRACT NO. 70014				

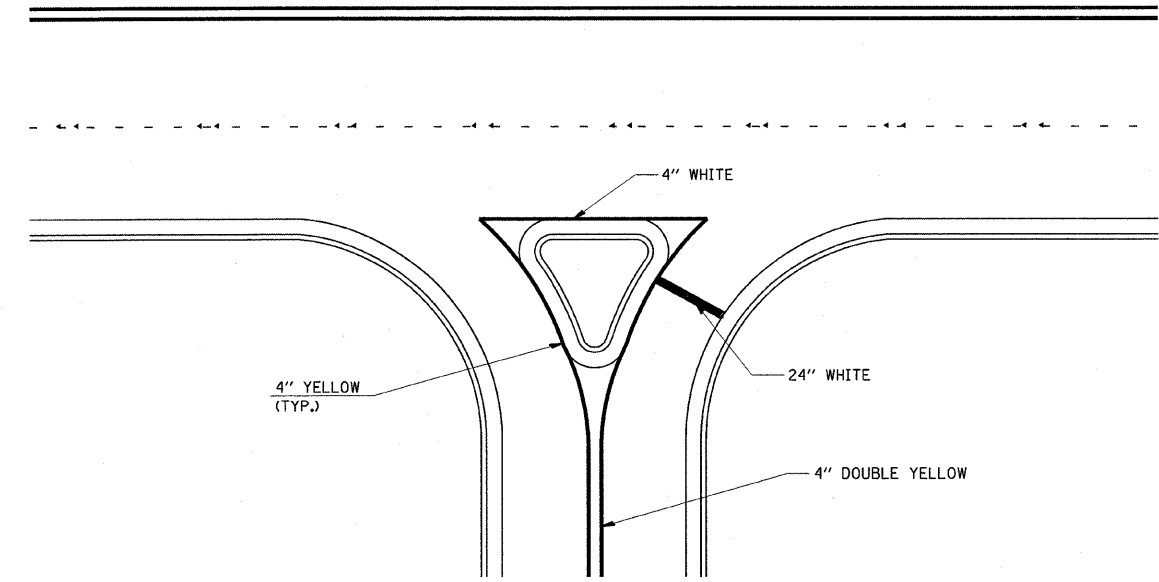


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

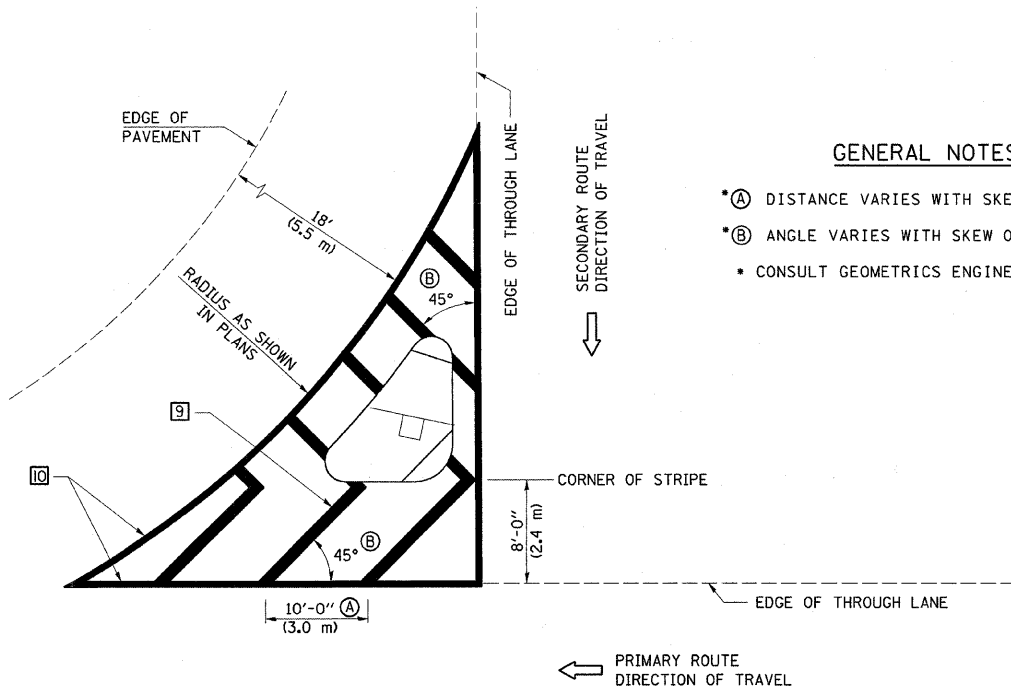
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

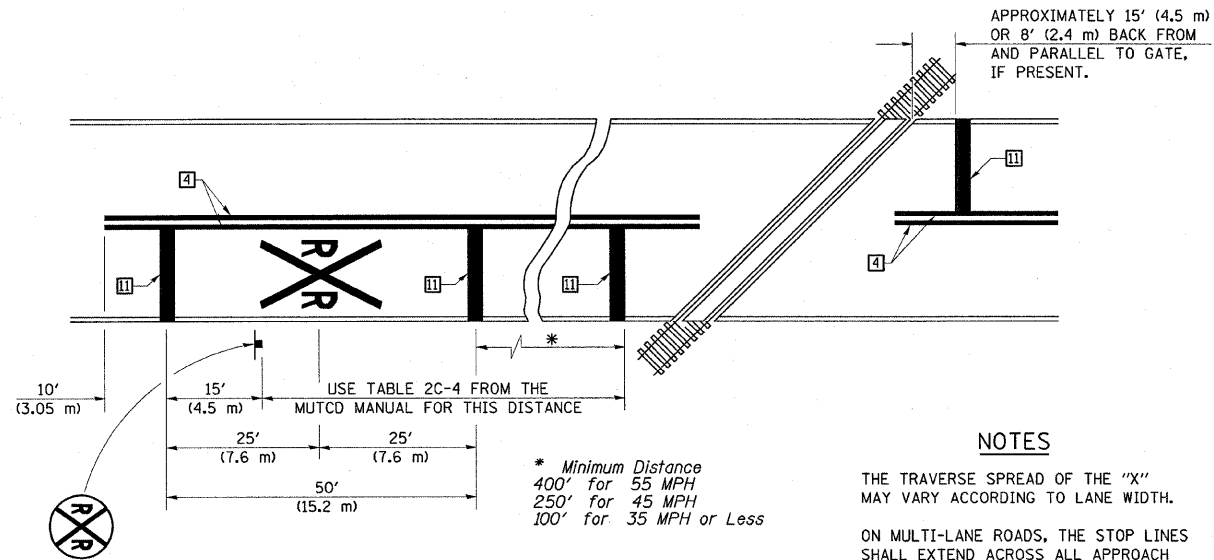
DESIGNED	NAME	DATE
CHECKED		
CADD NO.		

REVISIONS	
NAME	DATE

REVISIONS	
NAME	DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
 FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY
 DATE _____ DRAWN BY BANDY
 CHECKED BY STEUART



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

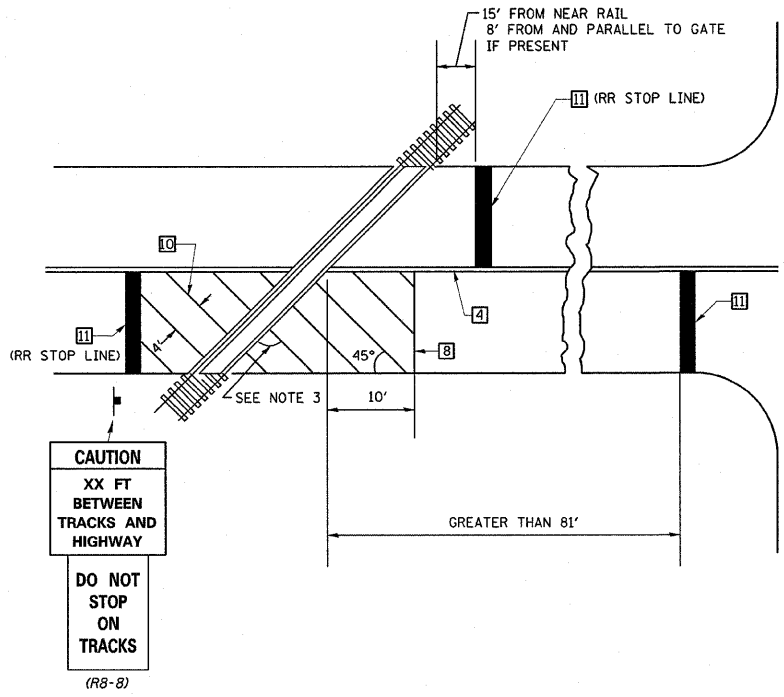
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXX SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

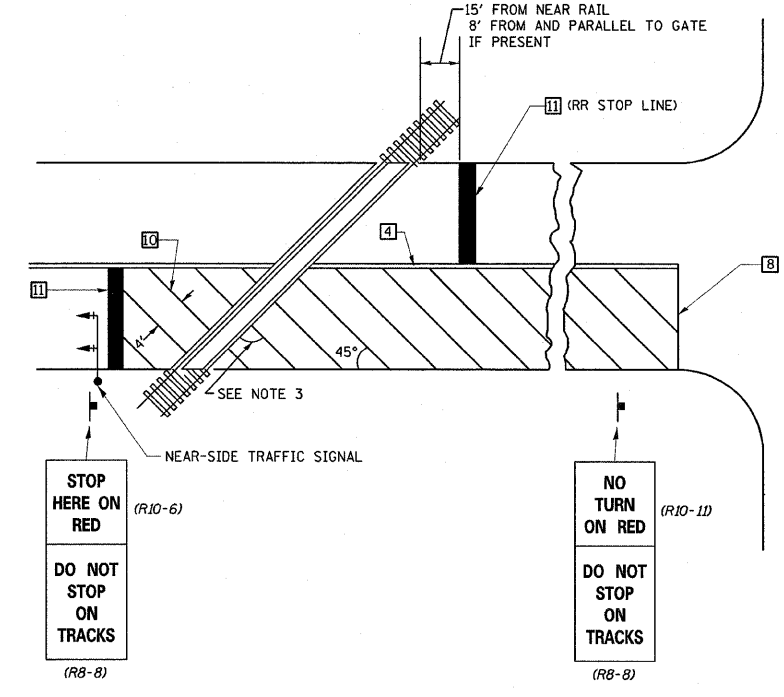
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

* Minimum Distance
 400' for 55 MPH
 250' for 45 MPH
 100' for 35 MPH or Less

RAILROAD CROSSING WITH INTERCONNECT ONLY



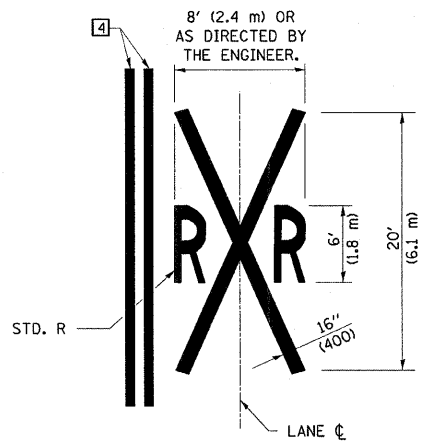
RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

NAME	DATE
DESIGNED	
CHECKED	
CADD NO.	

REVISIONS	
NAME	DATE

REVISIONS	
NAME	DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

FAP 721 & 760
 SECTION 114BR-2 & 124BR-1
 DEWITT COUNTY

DATE _____ DRAWN BY BANDY
 CHECKED BY STEUART

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 of 9 SHEETS
FAP 721	114BR-2	DEWITT	64	29	
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT			

CONTRACT NO. 70014

INDEX OF SHEETS

1. General Plan and Longitudinal Section
2. Stage Construction Details
3. Culvert Details
4. Culvert Details
5. Bar Splicer Assembly Details
6. Temporary Conc. Barrier for Stage Const.
7. Steel Bridge Rail Curb Mounted (2399)
8. Soil Boring Logs
9. Soil Boring Logs

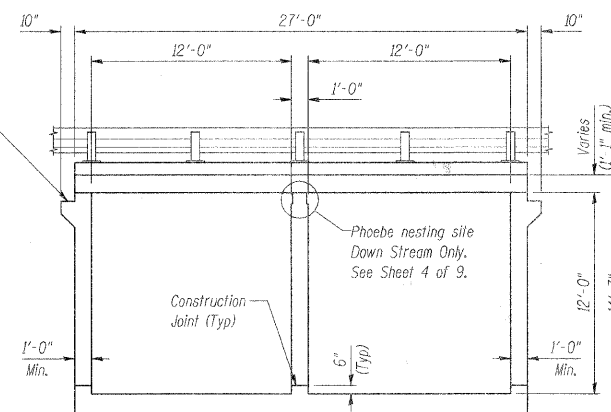
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Temporary Soil Retention System	Sq. Ft.	336
Concrete Box Culverts	Cu. Yd.	208.4
Reinforcement Bars	Pound	29240
Reinforcement Bars, Epoxy Coated	Pound	9590
Bar Splicers	Each	252
Name Plates	Each	1
Bridge Deck Grooving	Sq. Yd.	96
Steel Railing, Type 2399	Foot	54
Protective Coat	Sq. Yd.	109

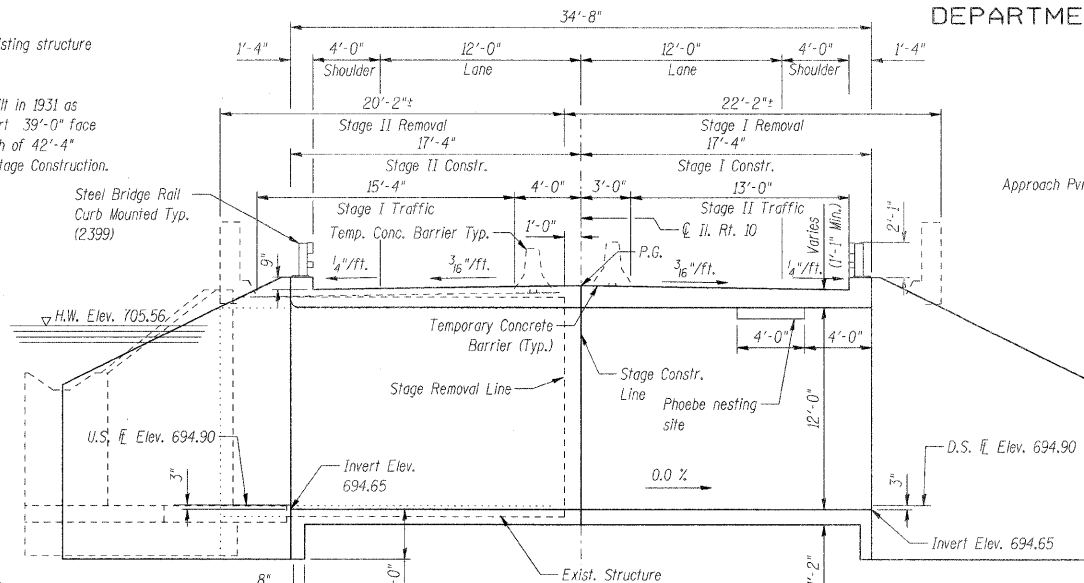
WATERWAY INFORMATION

Drainage Area = 12.06 sq. mi.		Low Grade Elev. 707.97		Sta. 673+93.4		Max. Rec. H.W.E. = Unk.	
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head-Ft. Exist.	Head-Ft. Prop.	Headwater El. Exist.
Design	50	1294	200	255	705.56	0.54	0.29
Base	100	1481	207	263	705.90	0.74	0.44
Overlapping					706.64		706.34
Max. Calc.	500	1926	215	277	706.46	1.30	0.87
					707.76		707.33

SECTION THRU BARREL



LONGITUDINAL SECTION



STATION 673+93.40
BUILT 20 -- BY
STATE OF ILLINOIS
FAP RTE. 721 SEC. 114BR-2
LOADING HS20
STR. NO. 020-2010

NAME PLATE
See Std. 515001

DESIGN STRESSES

FIELD UNITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.7% g
Site Coefficient (S) = 1.5

LOADING HS20-44

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

DESIGN SPECIFICATIONS
2002 AASHTO

PROFILE GRADE
(along roadway)

0.00 %

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ~~ASTM A 615~~ ~~ASTM A 615 Grade 60~~ ~~ASTM A 706 (IL MODIFIED)~~ ~~OR 60~~ ~~See Special Provisions~~

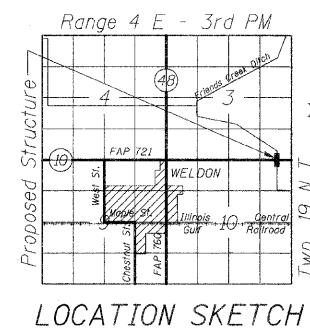
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Precast culvert alternate is not allowed.

Exposed edges shall have a 3/4" chamfer unless otherwise noted.

All construction joints shall be bonded.

D.S. = Down Stream
U.S. = Up Stream



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

PLANS PREPARED BY:

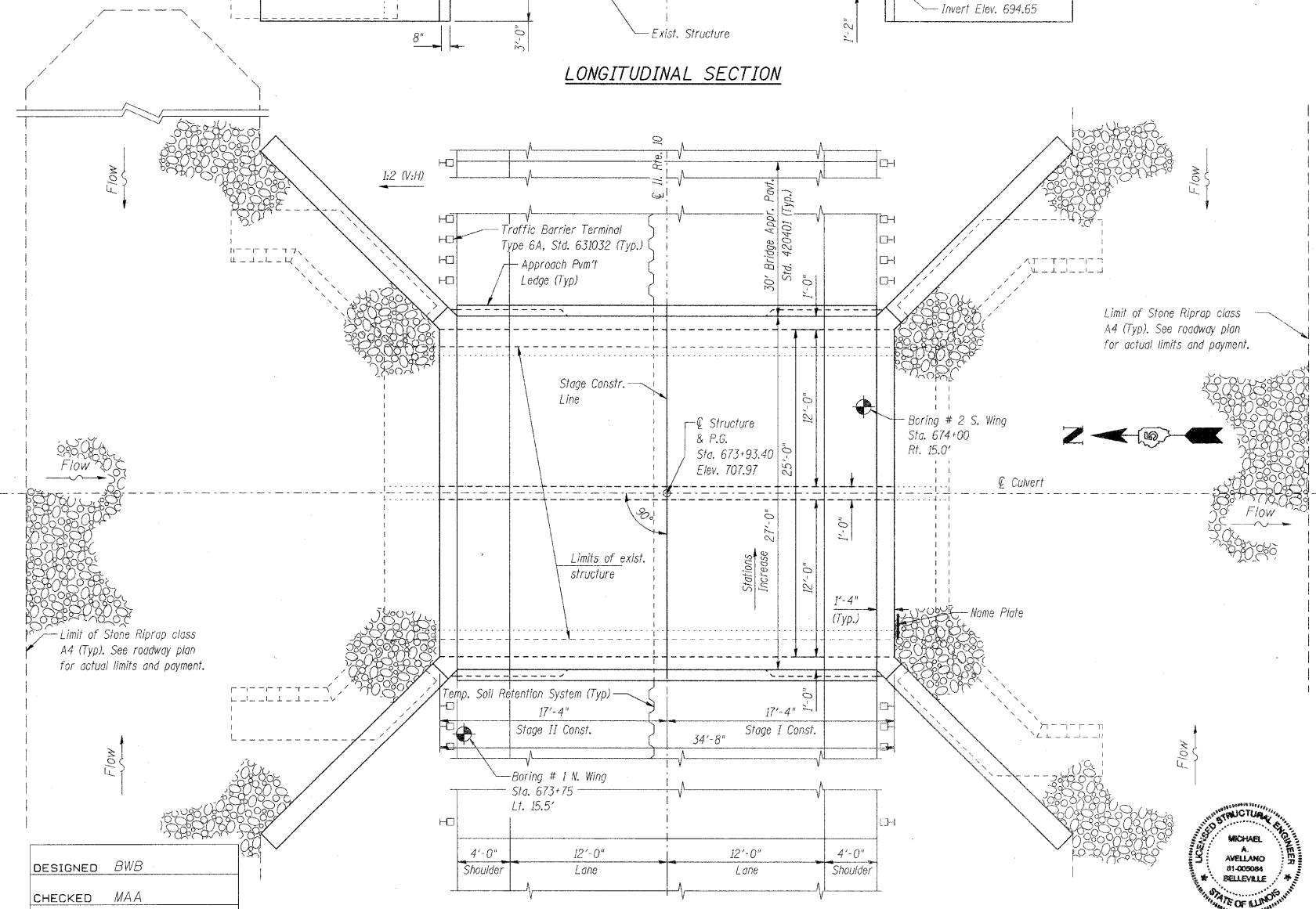
WOOLPERT LLP
343 Fountains Parkway, Suite A
Fairview Heights, IL
62208-2044
618.632.7004
FAX: 618.632.0100



Michael A. Avellano 4/28/04
Illinois Structural No. 081-005084 Date
Exp. 11/30/04

DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

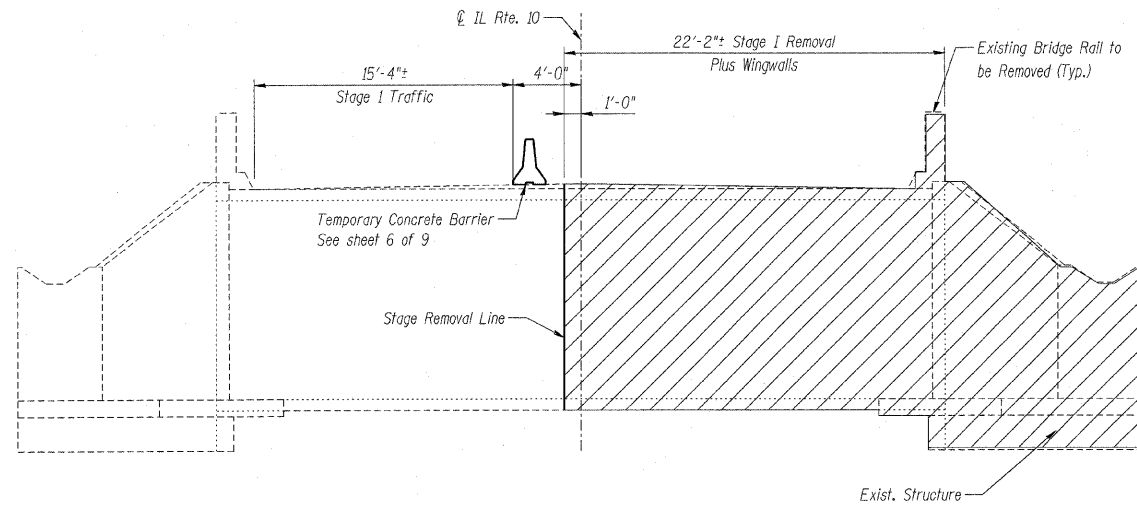
PLAN



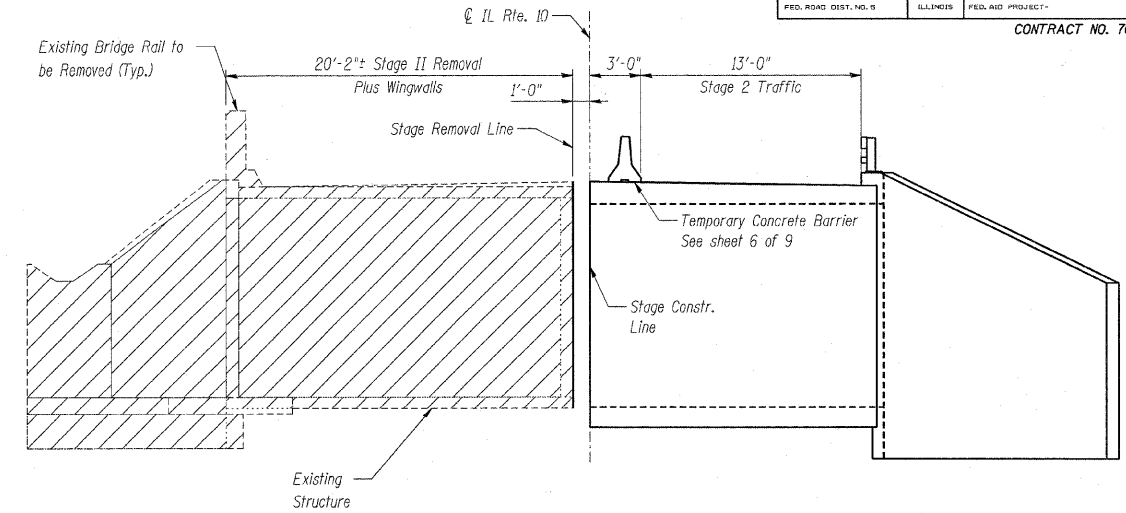
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 721	114BR-2	DEWITT	64	30
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 70014	

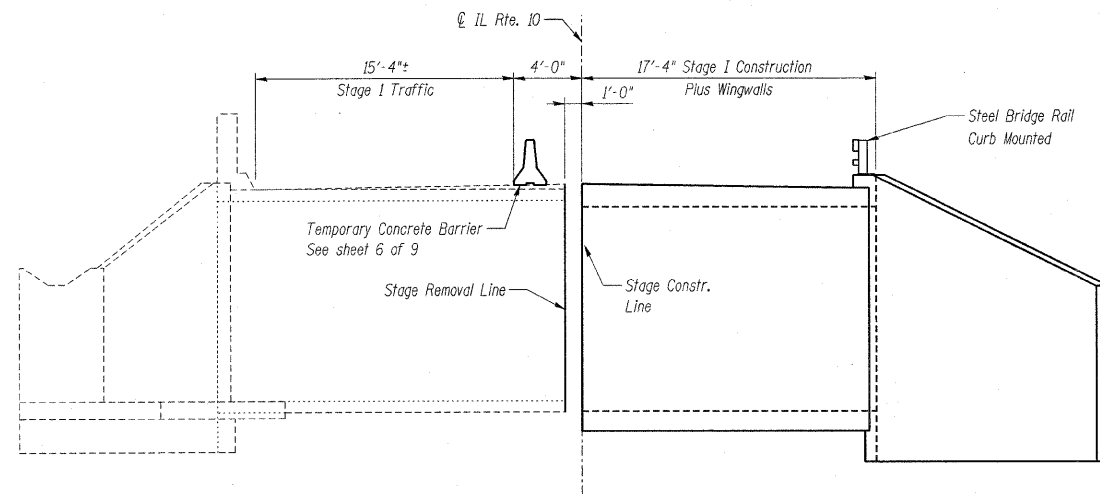
SHEET NO. 2 of 9 SHEETS



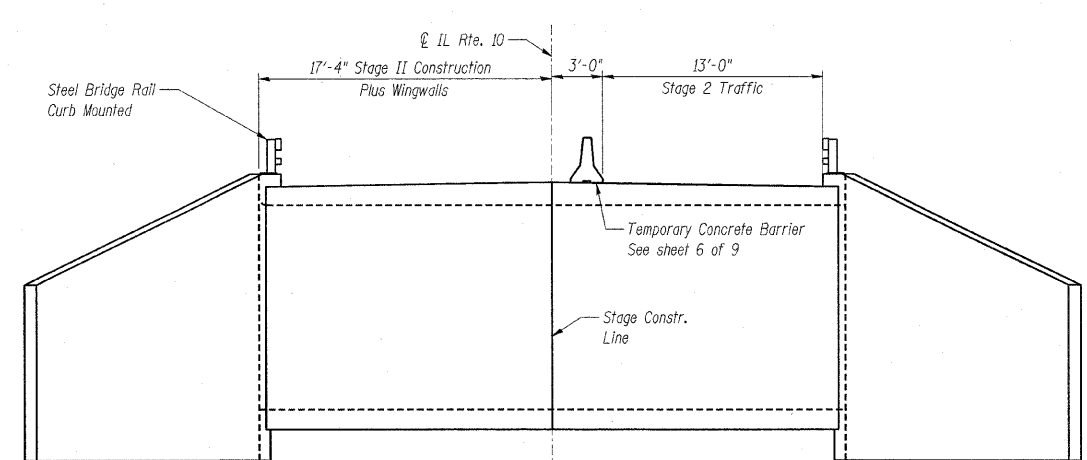
STAGE I REMOVAL



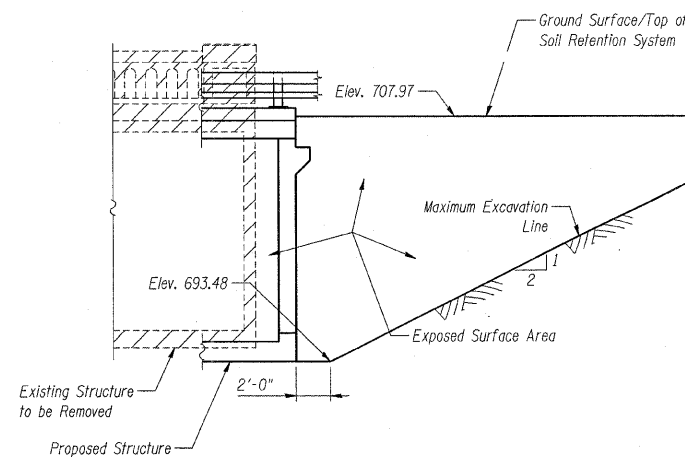
STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



TEMPORARY SOIL RETENTION SYSTEM

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Soil Retention System	Sq. Ft.	537

Hatched area indicates Removal of Existing Structures

PLANS PREPARED BY:

WOOLPERT LLP
343 Fountains Parkway, Suite A
Fairview Heights, IL
62208-2044
618.632.7004
FAX: 618.632.0100

NOTES:

1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
2. For quantity of Temporary Concrete Barrier see Roadway Plans.
3. All staging sections are looking east.

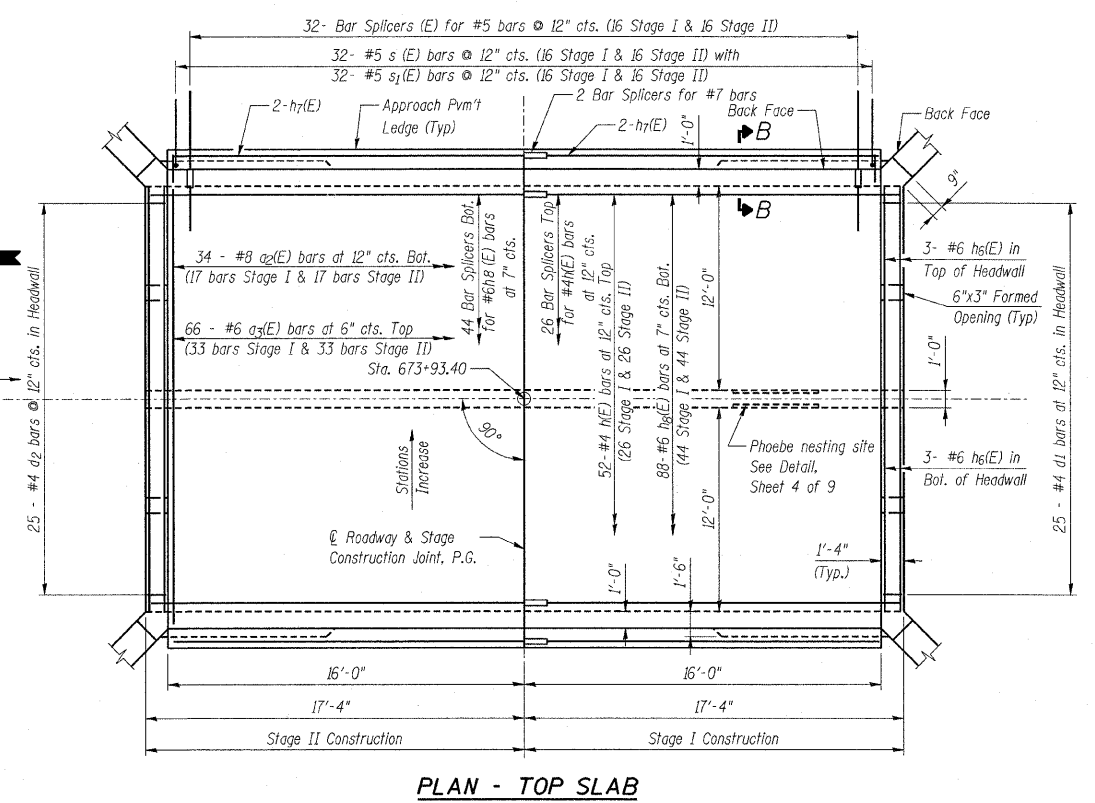
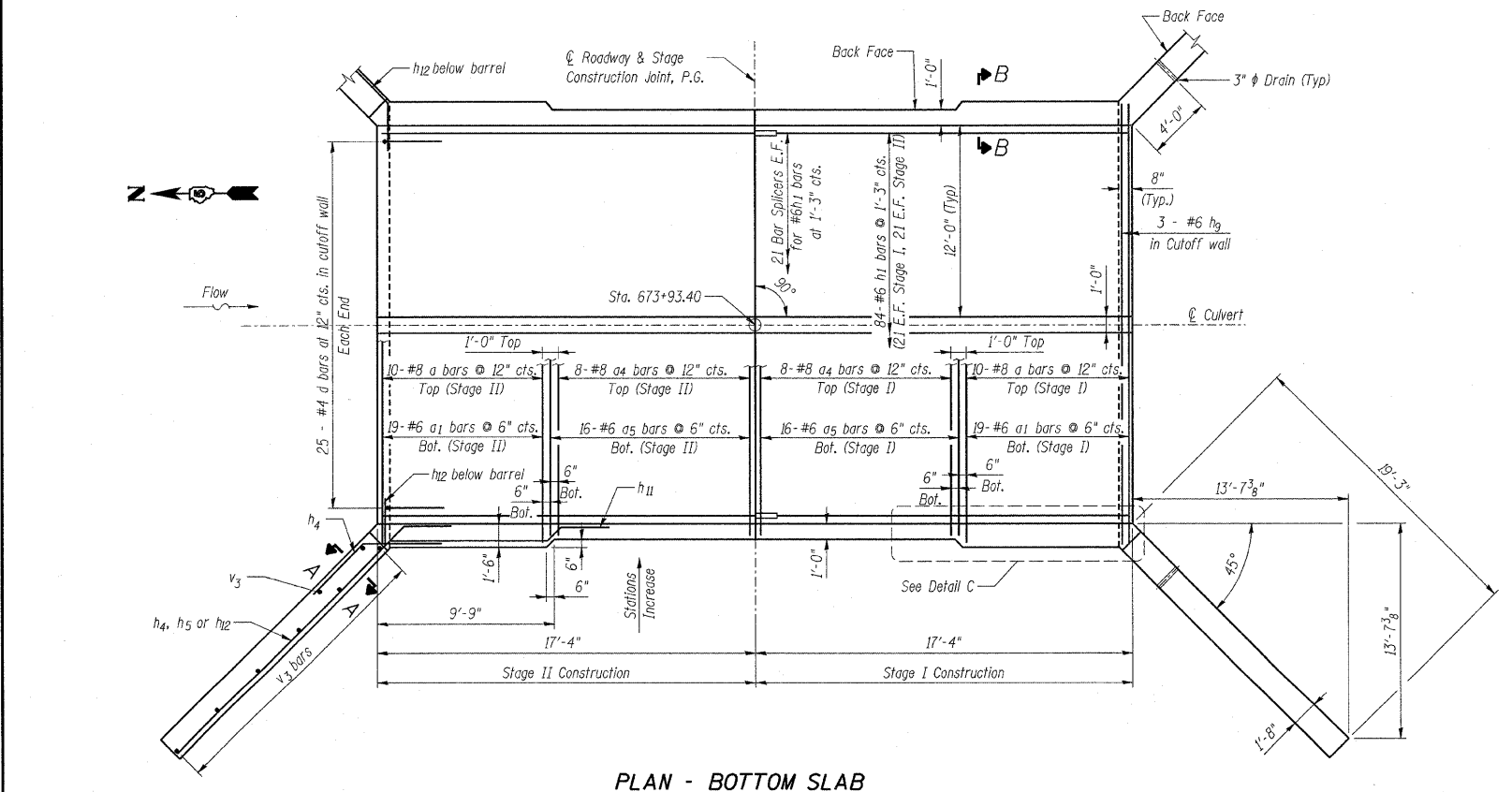
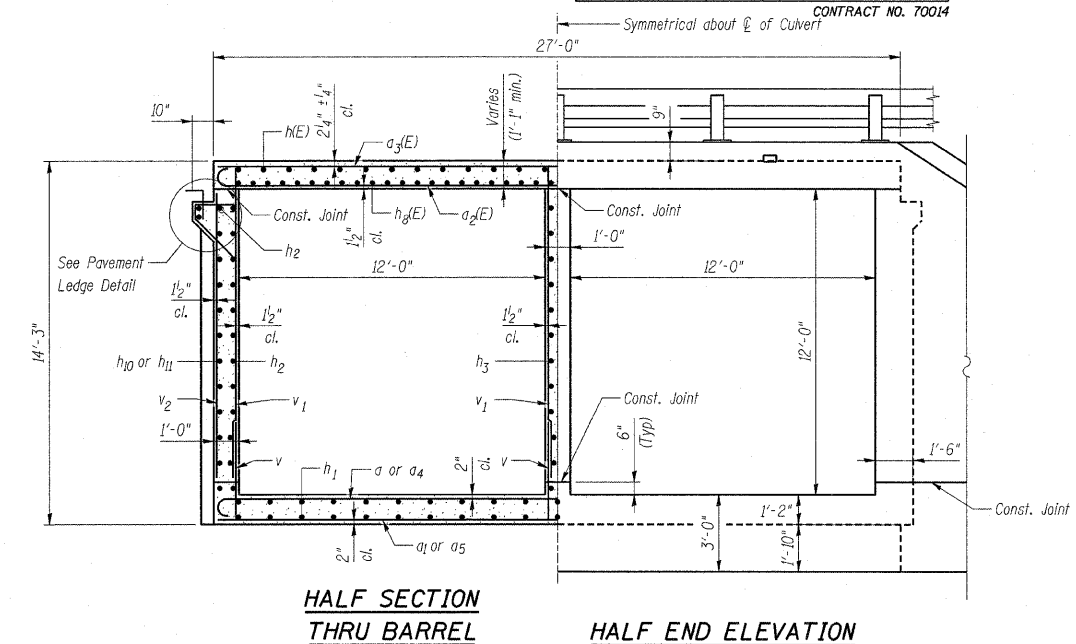
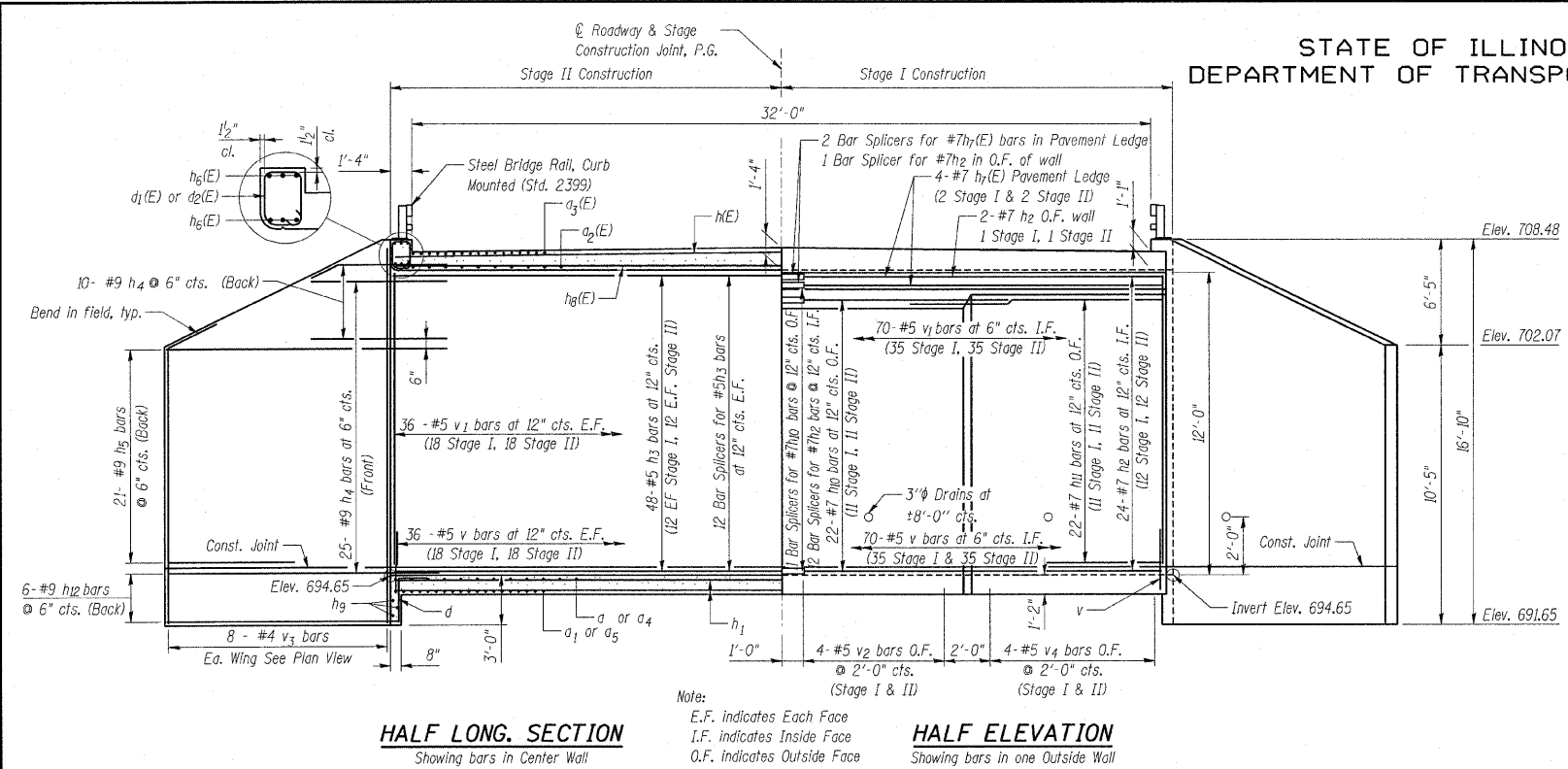
DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
STAGE CONSTRUCTION DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	ITEMS SHEETS	SHEET NO.
FAP 721	114BR-2	DEWITT	64	31
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3 OF
9 SHEETS



DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

- NOTES:**
1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 2. Reinforcement bars designated (E) shall be epoxy coated.
 3. For additional Culvert Details, Sections A-A, B-B, Detail C & Pavement Ledge, see Sheet 4 of 9.

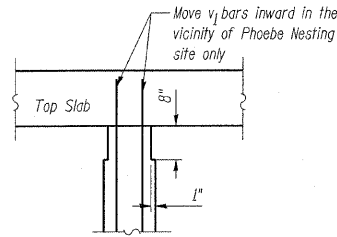
PLANS PREPARED BY:
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62208-2044
618.632.7004
FAX: 618.632.0100

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
CULVERT DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

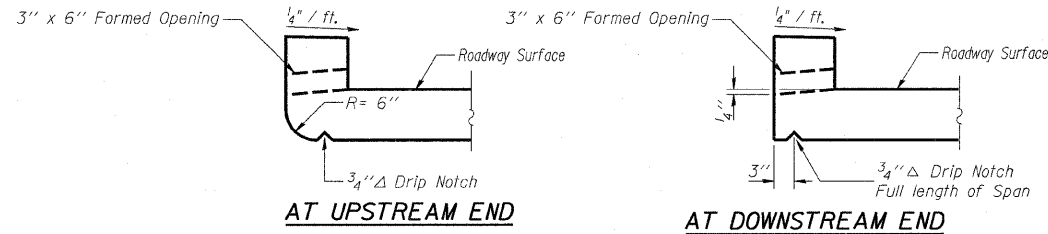
ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 4 of 9 SHEETS
FAP 721	114BR-2	DEWITT	64	32	
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 70014



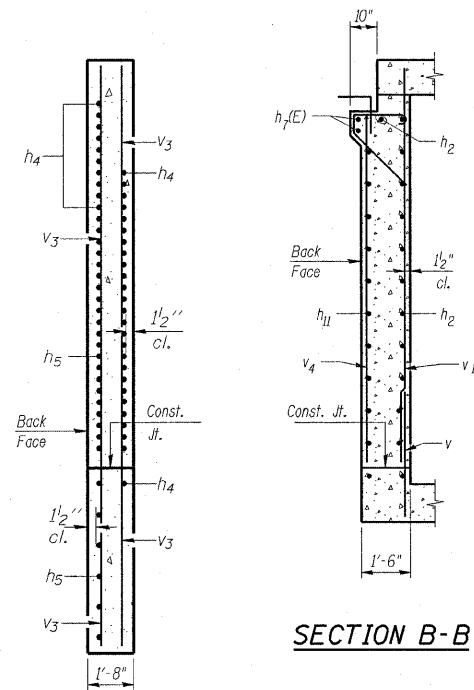
PHOEBE NESTING NOTCH DETAIL

Note: Notch formed by rough-finished board attached to and removed with formwork. Do not chamfer. (Downstream end only.)



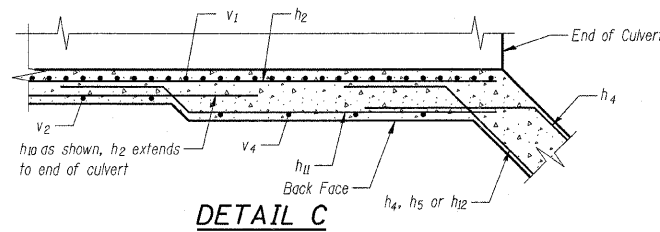
DRAIN DETAIL

Locate one formed opening near center of each barrel. Allow 1'-0" min. clear to nearest guardrail post base plate.

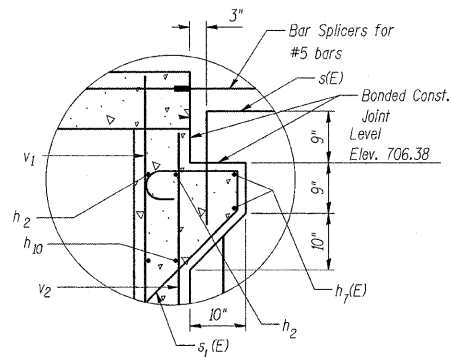


SECTION A-A

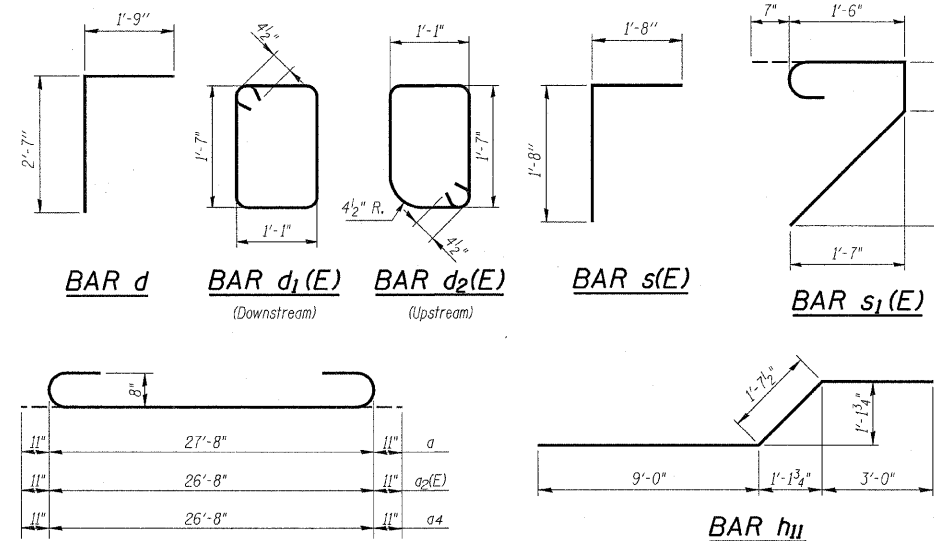
SECTION B-B



DETAIL C



PAVEMENT LEDGE DETAIL



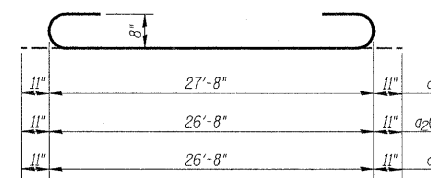
BAR d

BAR d₁(E)

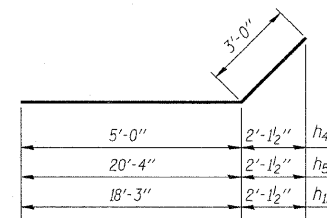
BAR d₂(E)

BAR s(E)

BAR s₁(E)



BARS a, a₂(E) & a₄



BARS h₄, h₅ & h₁₂

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	20	#8	29'-6"	U
a ₁	38	#6	27'-8"	U
a ₂ (E)	34	#8	28'-6"	U
a ₃ (E)	66	#6	26'-8"	U
a ₄	16	#8	28'-6"	U
a ₅	32	#6	26'-8"	U
d	50	#4	4'-4"	L
d ₁ (E)	25	#4	5'-10"	L
d ₂ (E)	25	#4	5'-10"	L
h(E)	52	#4	17'-2"	U
h ₁	84	#6	17'-2"	U
h ₂	52	#7	17'-2"	U
h ₃	48	#5	17'-2"	U
h ₄	140	#9	8'-0"	U
h ₅	84	#9	22'-8"	U
h ₆ (E)	12	#6	27'-8"	U
h ₇ (E)	8	#7	15'-10"	U
h ₈ (E)	88	#6	17'-2"	U
h ₉	6	#6	27'-8"	U
h ₁₀	44	#7	10'-1"	U
h ₁₁	44	#7	13'-8"	U
h ₁₂	24	#9	21'-3"	U
s(E)	64	#5	3'-4"	L
s ₁ (E)	64	#5	4'-10"	L
v	212	#5	3'-5"	U
v ₁	212	#5	12'-3"	U
v ₂	16	#5	11'-2"	U
v ₃	32	#4	16'-6"	U
v ₄	16	#5	10'-11"	U
Concrete Box Culverts		Cu. Yd.	208.4	
Reinforcement Bars		Pound	29240	
Reinforcement Bars, Epoxy Coated		Pound	9590	

NOTES:

1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. Reinforcement bars designated (E) shall be epoxy coated.

DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

PLANS PREPARED BY:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
CULVERT DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 721	114BR-2	DEWITT	64	33
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 70014	

SHEET NO. 5 of
9 SHEETS

NOTES

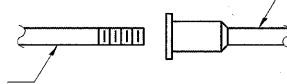
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the 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 (Tension in kips) = $1.25 \times f_y \times A_t$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
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

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

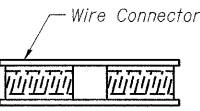
The diameter of this part is the same as the diameter of the bar spliced.



ROLLED THREAD DOWEL BAR



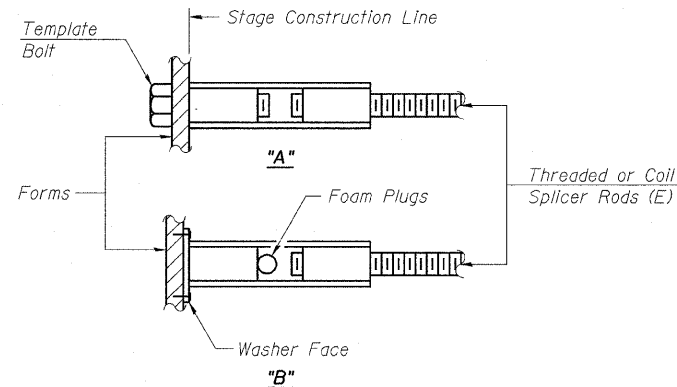
** ONE PIECE



WELDED SECTIONS

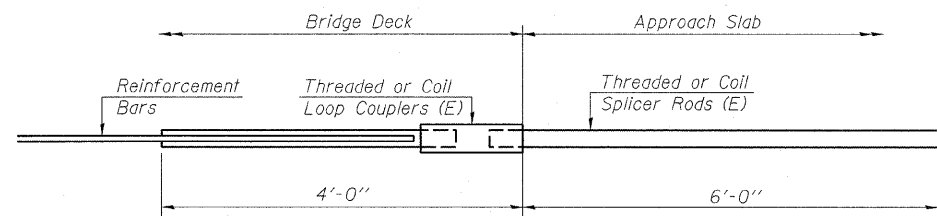
BAR SPLICER ASSEMBLY ALTERNATIVES

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



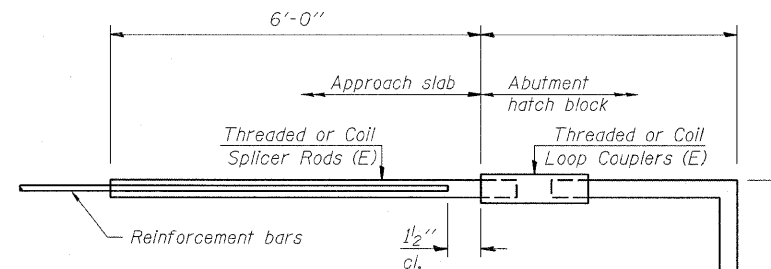
INSTALLATION AND SETTING METHODS

"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.



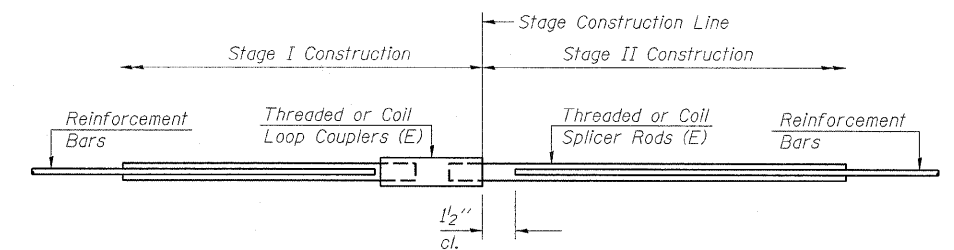
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 64
(At Pavement Ledge)



FOR PILE BENT ABUTMENTS

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



STANDARD

Bar Size	No. Assemblies Required	Location
#6	42	Bottom Slab
#4	26	Top Slab
#6	44	Top Slab
#7	48	Outside Walls
#5	24	Center Wall
#7	4	Appr. Ledge

DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

BSD-1

PLANS PREPARED BY:

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343 Fountains Parkway, Suite A
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WOOLPERT

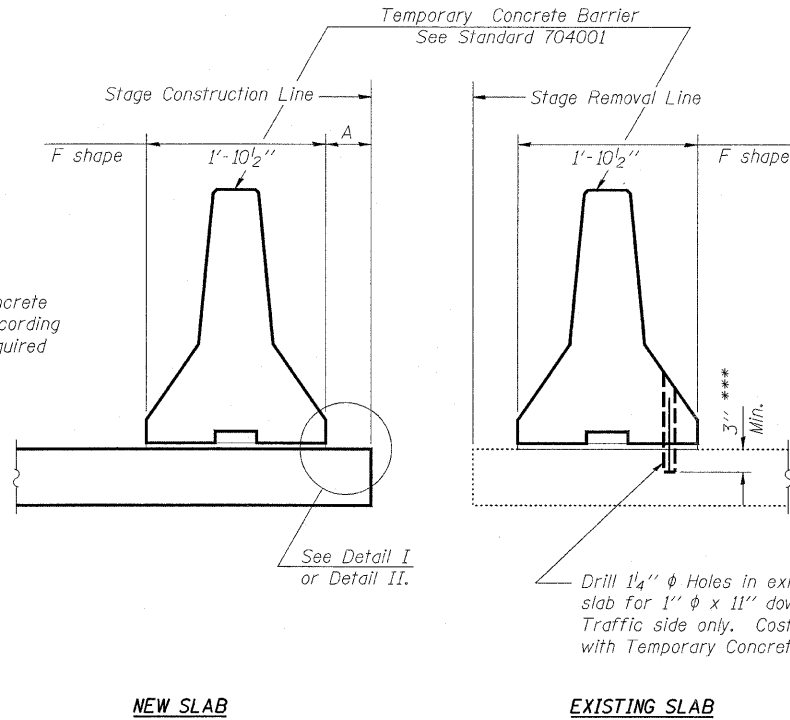
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
BAR SPLICER ASSEMBLY DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 721	114BR-2	DEWITT	64	34
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 70014	

SHEET NO. 6 of
9 SHEETS

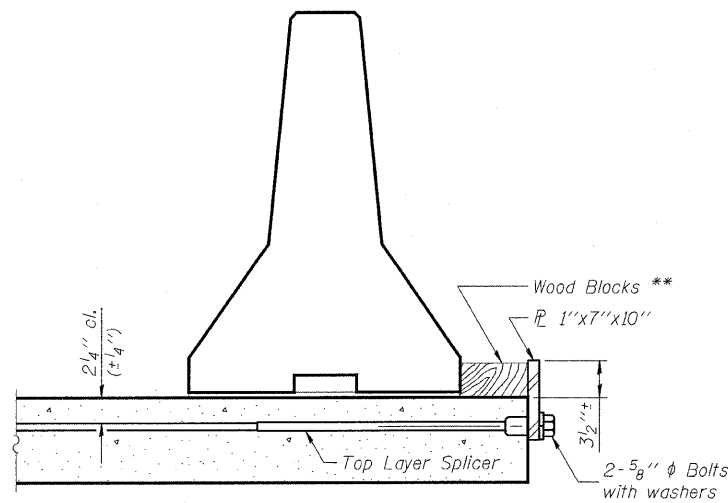
When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTION THRU SLAB

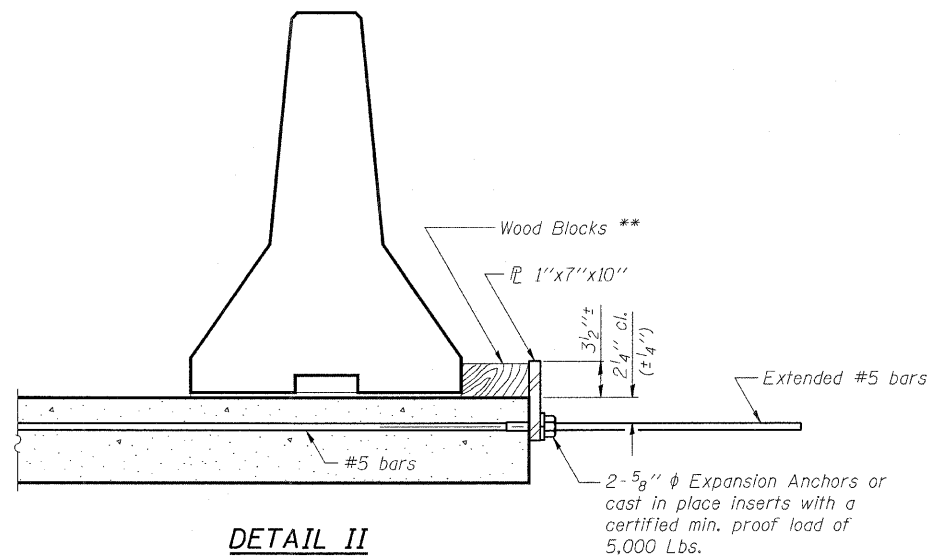
- NOTES**
- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} to the top layer of couplers with 2- $\frac{5}{8}$ " ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{L} to the concrete slab or concrete wearing surface with 2- $\frac{5}{8}$ " 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.

*** 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.



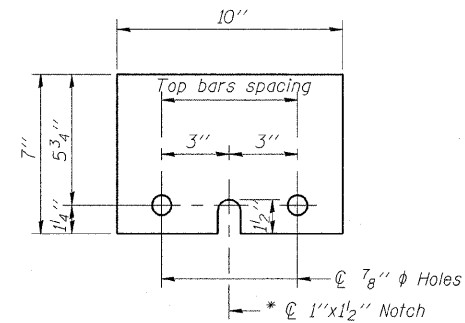
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" 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.



1"x7"x10"

* Required only with 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.

DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

R-27

PLANS PREPARED BY:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
TEMPORARY CONC. BARRIER FOR STAGE CONST.

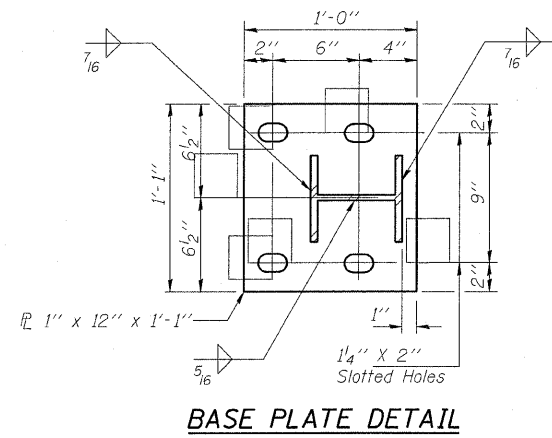
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 721	114BR-2	DEWITT	64	35
FED. ROAD DIST. NO. 6	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 70014	

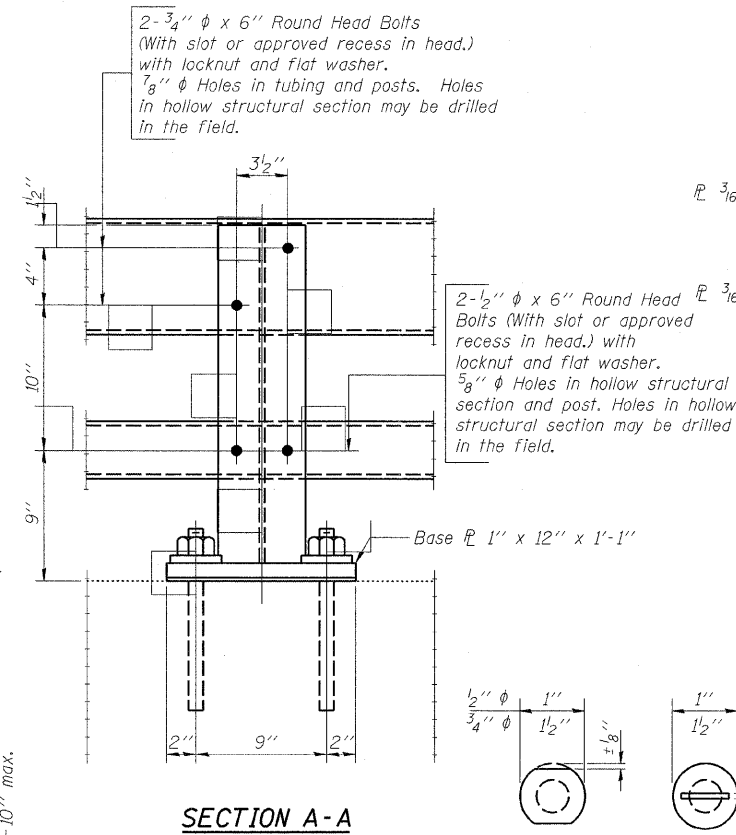
SHEET NO. 7 of
9 SHEETS

NOTES

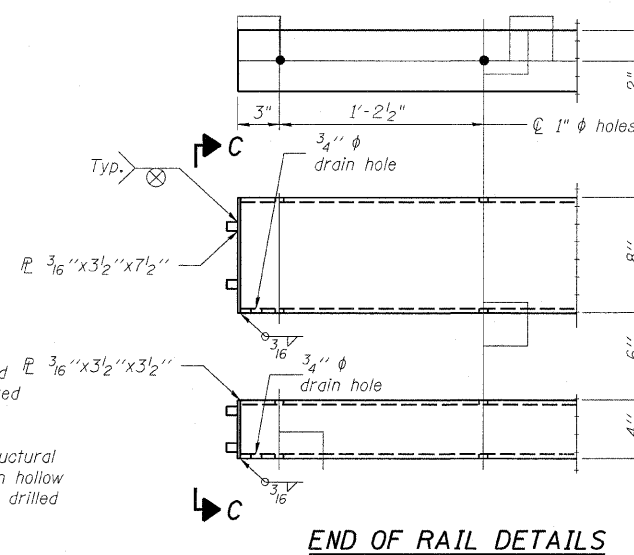
All field drilled holes shall be coated with an approved zinc rich paint before erection.
Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.
Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



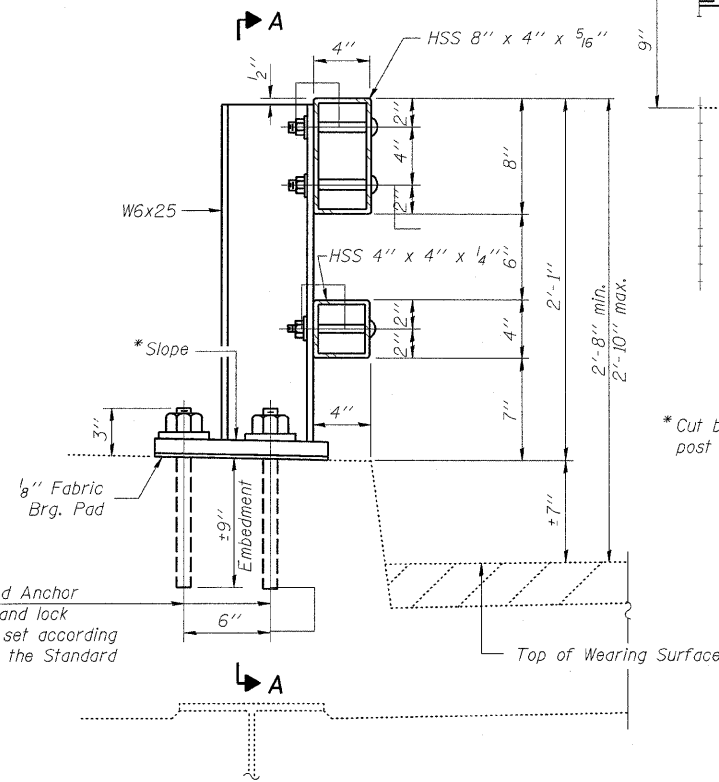
BASE PLATE DETAIL



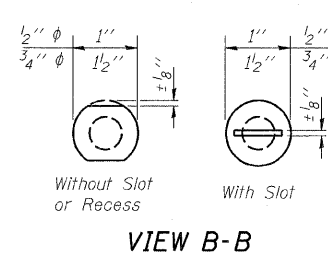
SECTION A-A



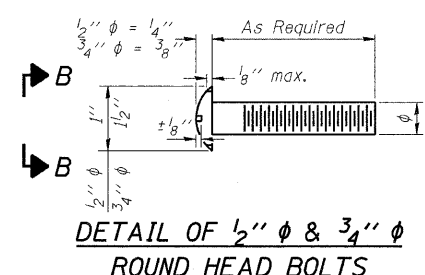
END OF RAIL DETAILS



SECTION AT RAIL POST

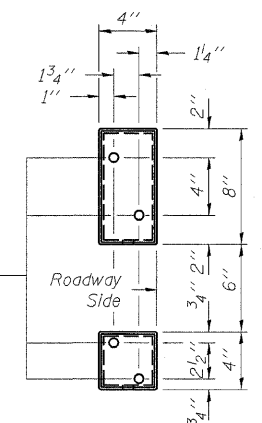


VIEW B-B

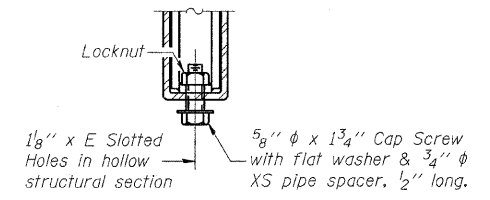


DETAIL OF 1/2" & 3/4" ROUND HEAD BOLTS

4 - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032



VIEW C-C



RAIL SPLICE CONNECTION AT EXPANSION JT.

4-1" φ H.S. Threaded Anchor Rods with hex nuts and lock washers, drilled and set according to Article 509.06 of the Standard Specifications.

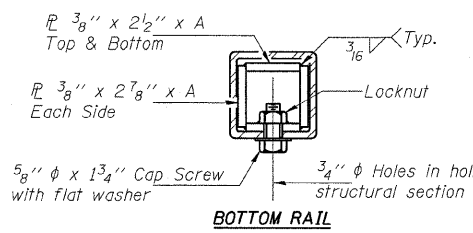
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	54

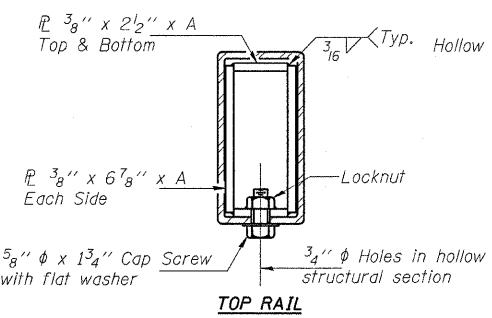
SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1 1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.



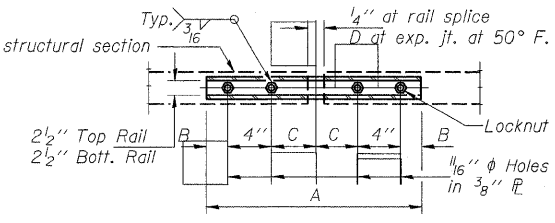
BOTTOM RAIL



TOP RAIL

SECTIONS AT RAIL SPLICE

(6'-3" Maximum Post Spacing)



PLANS PREPARED BY:

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DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

R-31

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
STEEL BRIDGE RAIL CURB MOUNTED (2399)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 721	114BR-2	DEWITT	64	37
FED. ROAD DIST. NO. 9		ILLINOIS	FED. AID PROJECT	

SHEET NO. 9 of
9 SHEETS

CONTRACT NO. 70014



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 6/8/00

ROUTE FAP 721 (IL 10) DESCRIPTION 0.75 mi. East of Weldon LOGGED BY KWW

SECTION 114BR-2 LOCATION SE 14, SEC. 3, TWP. 19N, RNG. 4E, 3rd PM

COUNTY Dewitt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 020-0038
Station 673+93.4

BORING NO. 2 S. Wing
Station 674+00
Offset 15.0 ft RT
Ground Surface Elev. 707.6 ft

D	B	U	M	Surface Water Elev.	696.6	D	B	U	M
E	L	C	O	Stream Bed Elev.	694.6	E	L	C	O
P	O	S	I			P	O	S	I
T	W	Qu	S	Groundwater Elev.:		T	W	Qu	S
H	S		T	First Encounter	ft	H	S		T
				Upon Completion	ft				
				After	Hrs.				
(ft)	(6")	(tsf)	(%)			(ft)	(6")	(tsf)	(%)

				Gray Sandy Clay Loam Till (continued)					
				Mixed Dark Brown Silty Clay Backfill					
	5	0.9	16			15	6.6	12	
-5		B				-25	B		
	4	0.5	18						
		B							
698.6									
	4	0.9	17			19	6.8		
-10		B				677.6	B		
				Gray Brown Sandy Clay Loam Till					
	7	2.9	14						
		B							
694.6									
				Gray Sandy Clay Loam Till					
	7	2.3	12						
-15		B				-35			
	17	3.0	12						
		E							
	17	6.4	10						
-20		B				-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

DESIGNED	BWB
CHECKED	MAA
DRAWN	PJP
CHECKED	BSC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 10 OVER
FRIENDS CREEK DITCH
FAP 721 - SECTION 114BR-2
DEWITT COUNTY
STATION 673+93.40
STRUCTURE No. 020-2010
SOIL BORING LOGS

Bench Mark: Southeast Headwall of existing structure (SM 020-0039), Elevation 716.54

Existing Structure: S.M. 020-0039 built in 1931 as double 10' x 10' R.C. box culvert, 40'-0" face to face of curb, with culvert length of 42'-0"
Traffic to be maintained utilizing stage construction.

No salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 of 7
FAP 760	124BR-1	DEWITT	64	38	7 SHEETS
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT					

CONTRACT NO. 70014

INDEX OF SHEETS

1. General Plan and Longitudinal Section
2. Stage Construction Details
3. Culvert Details
4. Culvert Details
5. Bar Splicer Assembly Details
6. Temporary Concrete Barrier for Stage Construction
7. Soil Boring Logs

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ~~AASHTO M31 or MS2 Grade 60~~ ASTM A 706 (IL MODIFIED).
See Special Provisions.

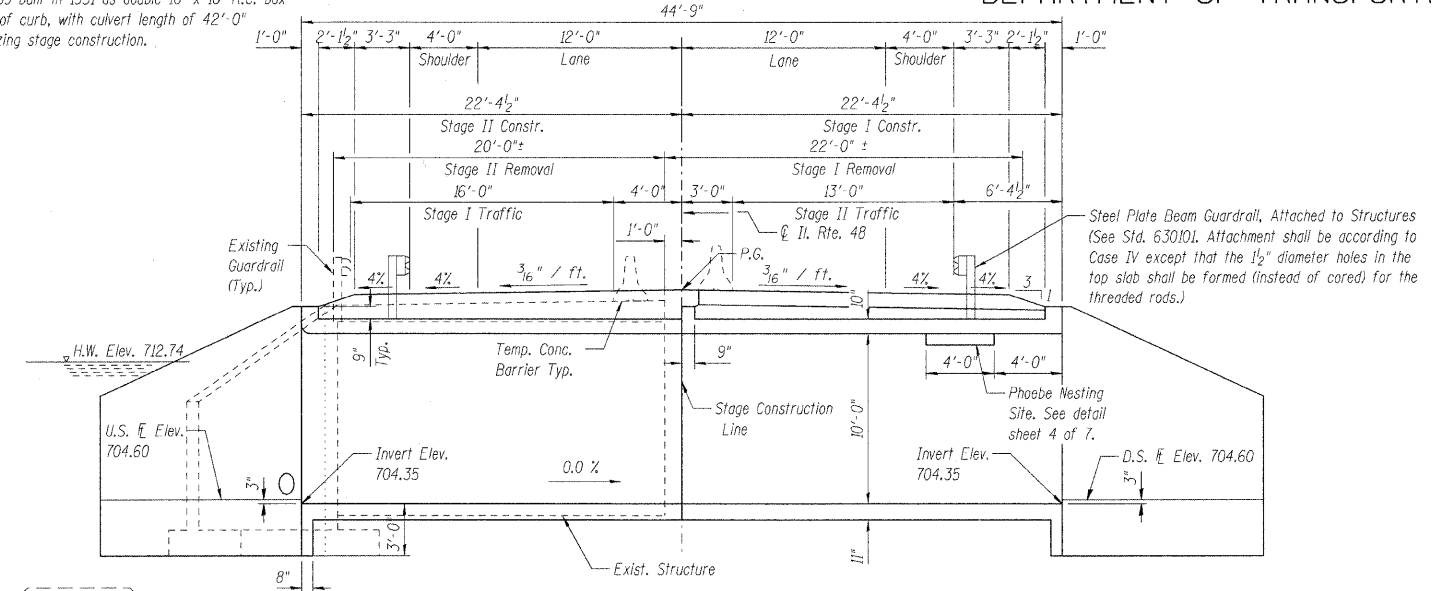
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Exposed edges shall have a 3/4" chamfer unless noted otherwise.

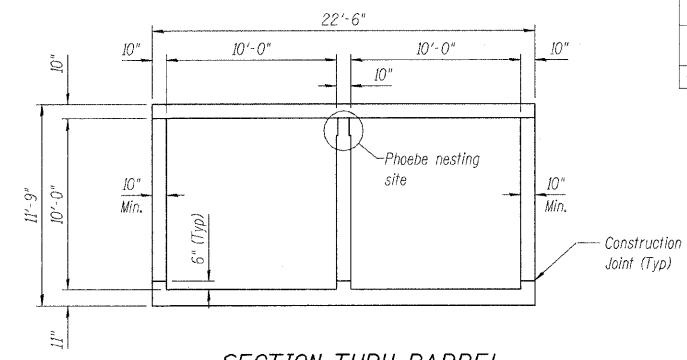
Precast culvert alternate is not allowed.

All construction joints shall be bonded.

U.S. = Up Stream
D.S. = Down Stream



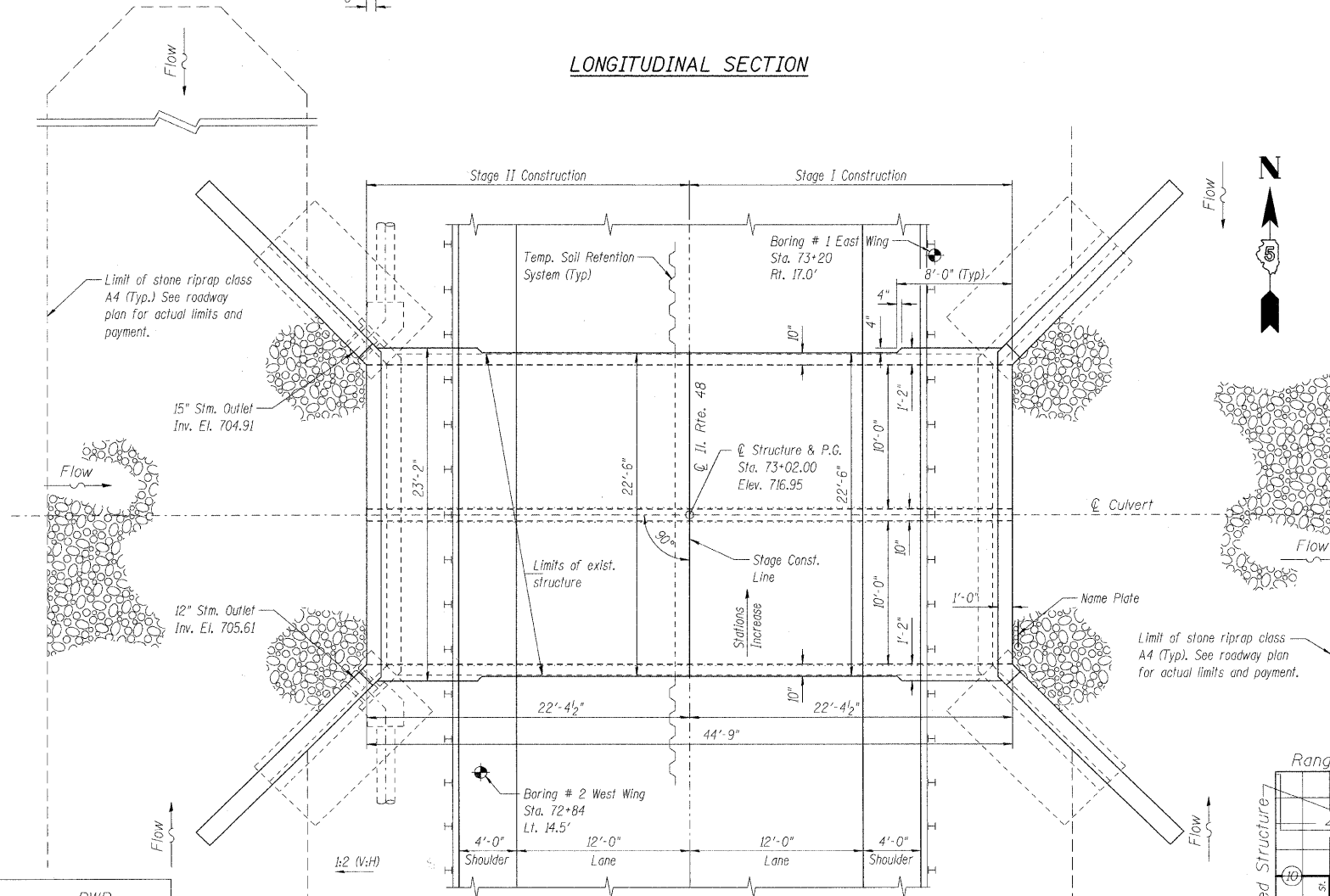
LONGITUDINAL SECTION



SECTION THRU BARREL

STATION 73+02.00
BUILT 20 -- BY
STATE OF ILLINOIS
FAP RTE. 760 SEC. 124BR-1
LOADING HS20
STR. NO. 020-2011

NAME PLATE
See Std. 515001



PLAN

WATERWAY INFORMATION

Drainage Area = 4.237 sq. mi. Low Grade Elev. 716.84 @ Sta. 73+12.7 Max. Rec. H.W.E. = Unk.									
Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head-Ft.		Headwater El.	
Design	50	608	Exisl.	Prop.	712.74	Exisl.	Prop.	Exisl.	Prop.
Base	100	696	145	167	712.97	0.66	0.63	713.63	713.60
Overlapping									
Max. Calc.	500	906	154	175	713.39	0.96	0.91	714.35	714.30

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 2	Each	1
Temporary Soil Retention System	Sq. Ft.	423
Concrete Box Culverts	Cu. Yd.	153.3
Reinforcement Bars	Pound	32470
Bar Splicers	Each	132
Name Plates	Each	1
Steel Plate Beam Guardrail, Attached to Structures	Foot	45

DESIGN STRESSES

FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

SEISMIC DATA

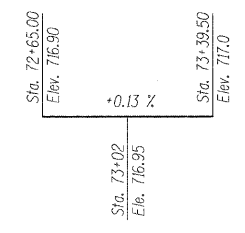
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.7% g
Site Coefficient (S) = 1.5

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO



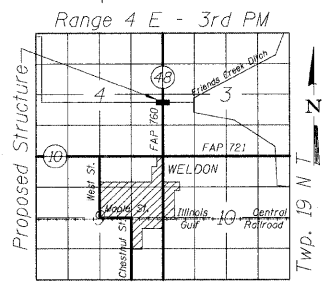
PROFILE GRADE
(along roadway)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



Michael Avellano
Illinois Structural No. 081-005084
Exp. 11/30/04
Date 4/20/04



LOCATION SKETCH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 48 OVER
TRIBUTARY TO FRIENDS CREEK DITCH
FAP 760 - SECTION 124BR-1
DEWITT COUNTY
STATION 73+02.00
STRUCTURE No. 020-2011
GENERAL PLAN & LONGITUDINAL SECTION

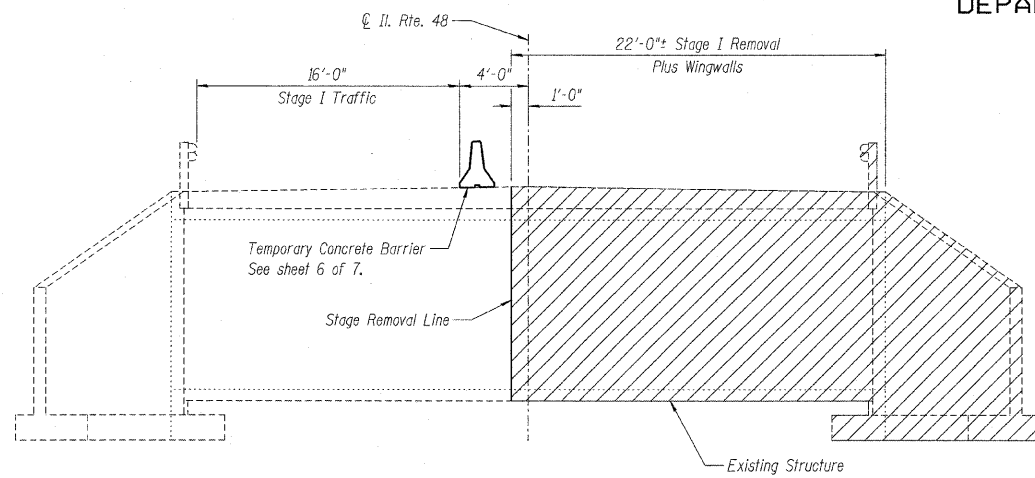
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CHECKED	-	MAA
DRAWN	-	RMR
CHECKED	-	BSC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

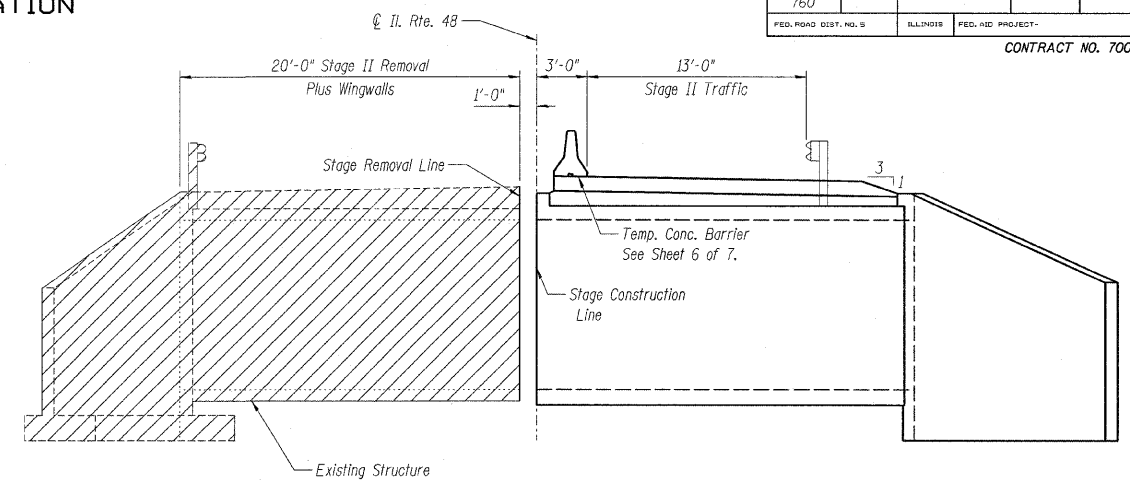
ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
FAP 760	124BR-1	DEWITT	64	39
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 70014

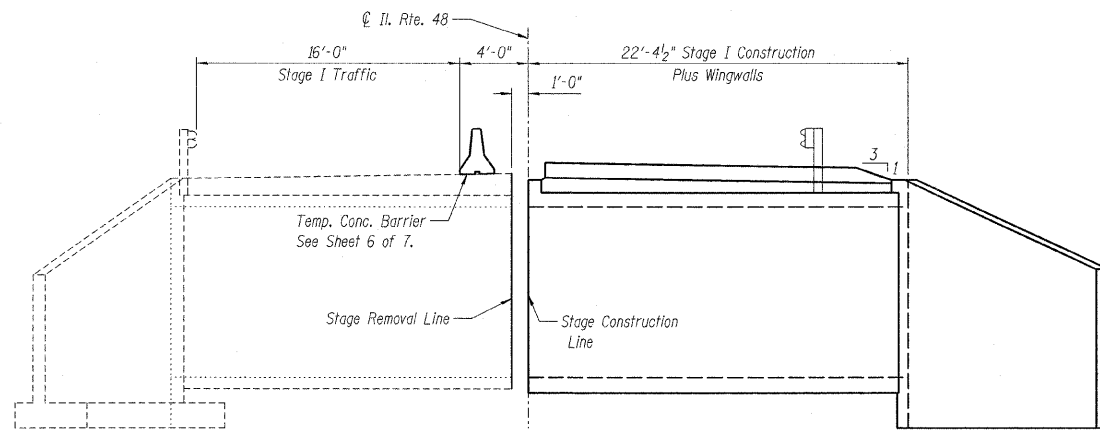
SHEET NO. 2 of
7 SHEETS



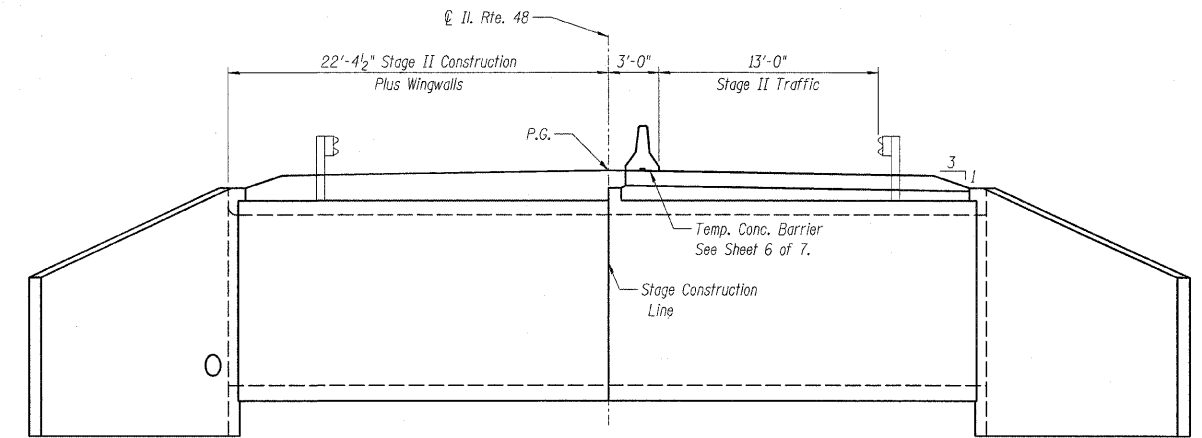
STAGE I REMOVAL



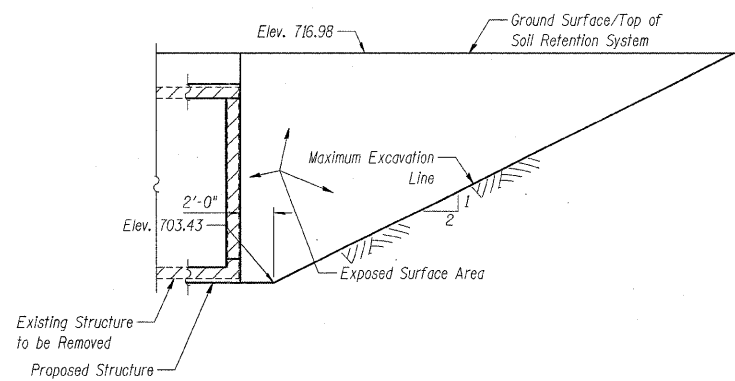
STAGE II REMOVAL



STAGE I CONSTRUCTION



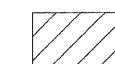
STAGE II CONSTRUCTION



TEMPORARY SOIL RETENTION SYSTEM

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Soil Retention System	Sq. Ft.	423

 Hatched area indicates Removal of Existing Structures

NOTES:

1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
2. For quantity of Temporary Concrete Barrier see Roadway Plans.
3. All staging sections looking north.

DESIGNED	-	BWB
CHECKED	-	MAA
DRAWN	-	RMR
CHECKED	-	BSC

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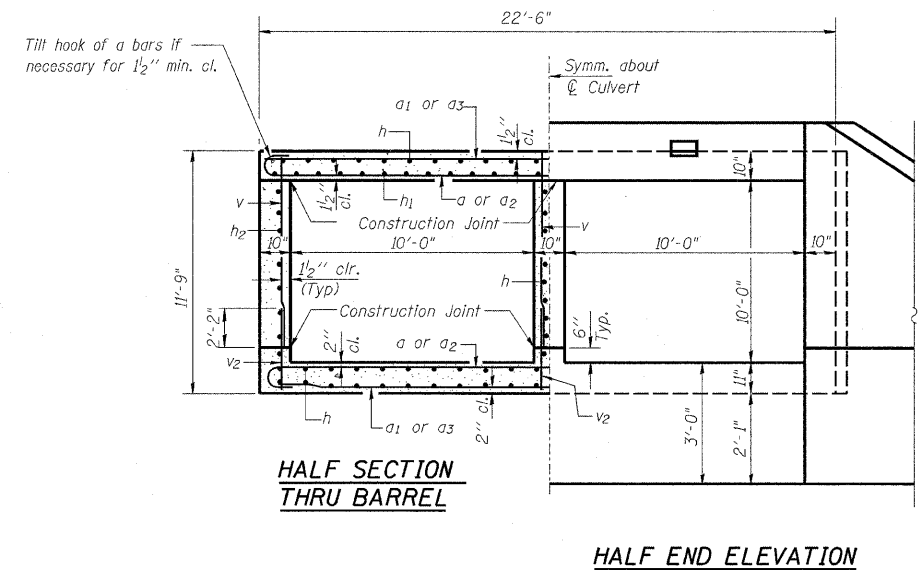
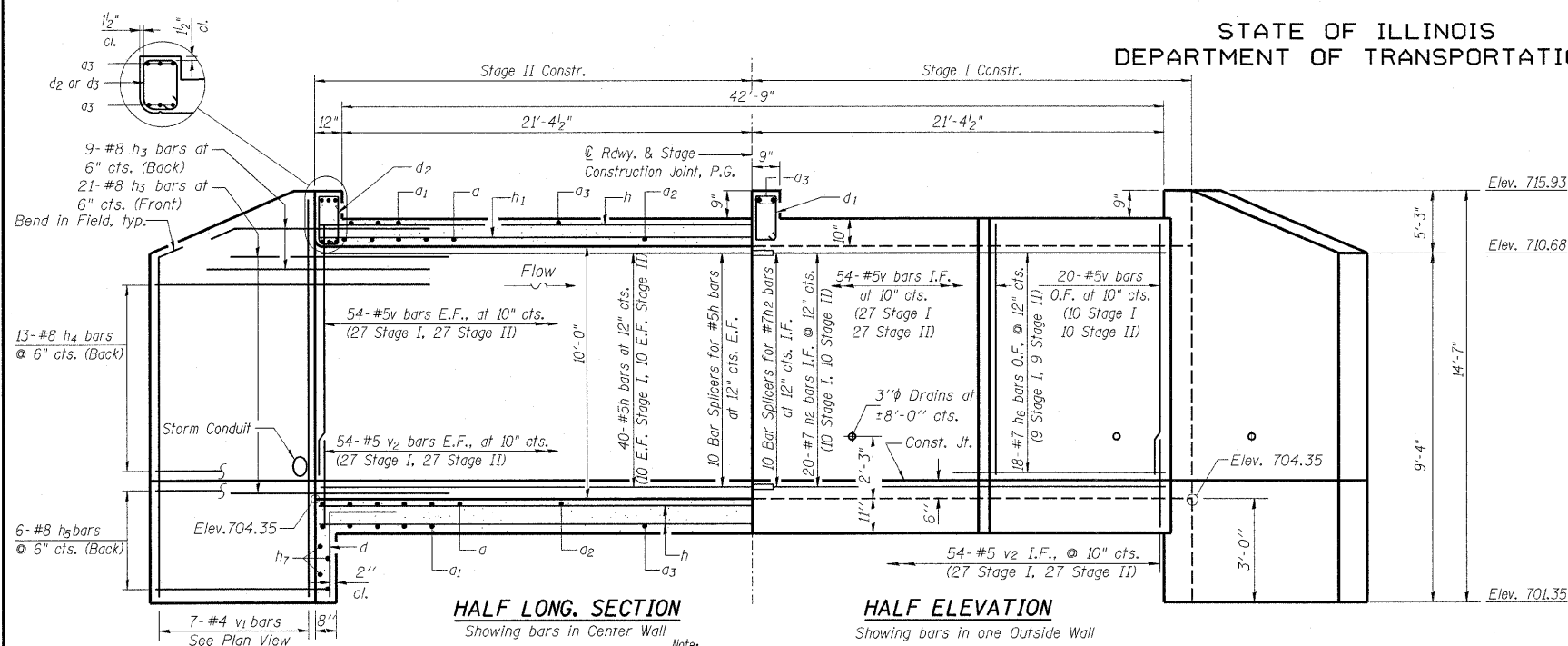
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 48 OVER
TRIBUTARY TO FRIENDS CREEK DITCH
FAP 760 - SECTION 124BR-1
DEWITT COUNTY
STATION 73+02.00
STRUCTURE No. 020-2011
STAGE CONSTRUCTION DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 760	124BR-1	DEWITT	64	40
FED. ROAD DIST. NO. 9		ILLINOIS	FED. AID PROJECT-	

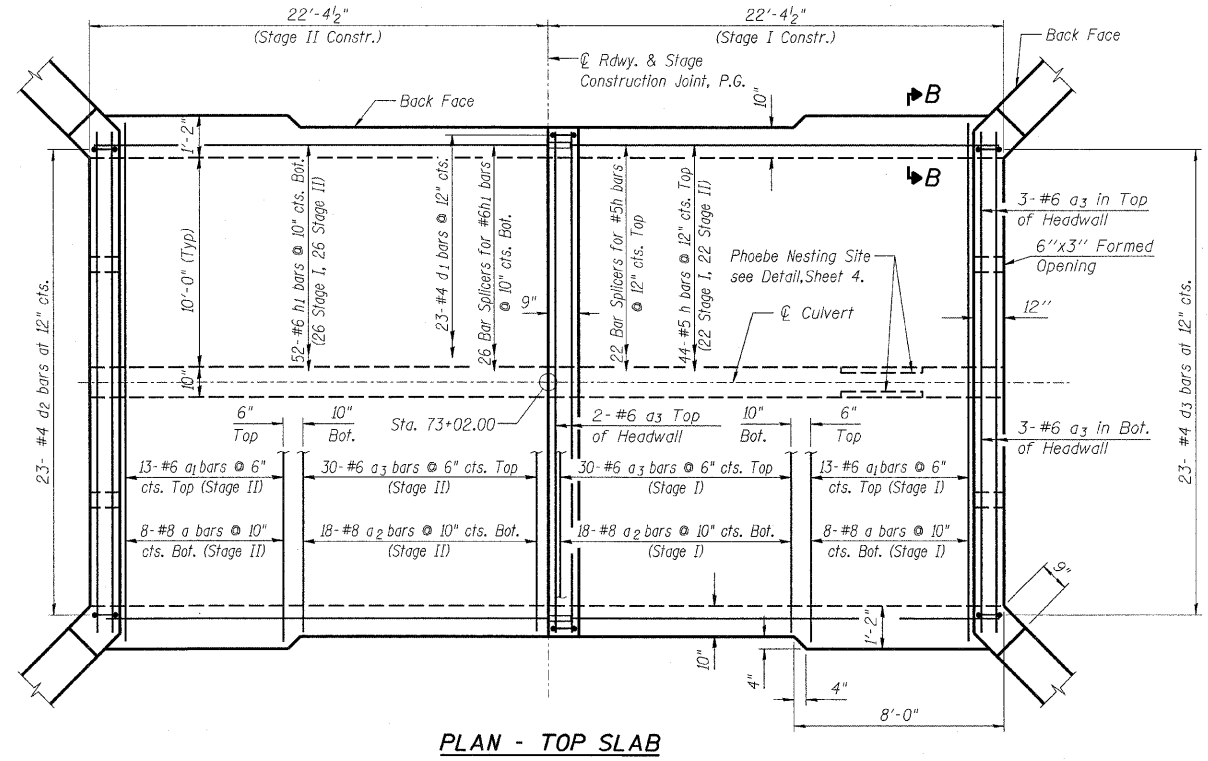
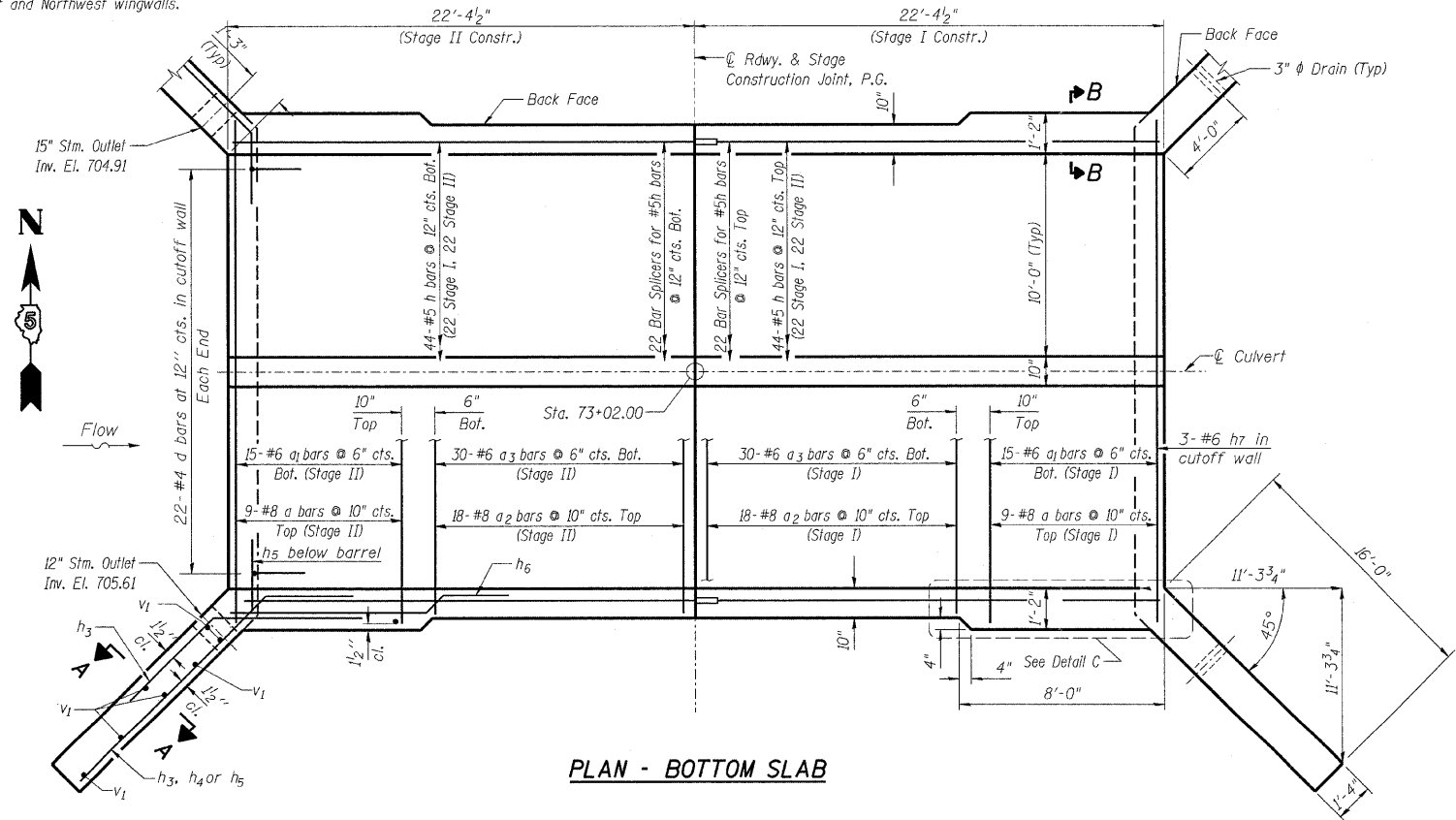
CONTRACT NO. 70014

SHEET NO. 3 of 7 SHEETS



Note: Cut h4 bars and v1 bars as req'd to accommodate storm conduits at the Southwest and Northwest wingwalls.

Note:
E.F. indicates Each Face
I.F. indicates Inside Face
O.F. indicates Outside Face



DESIGNED	-	BWB
CHECKED	-	MAA
DRAWN	-	RMR
CHECKED	-	BSC

- NOTES:**
- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 - For additional Culvert Details, Sections A-A, B-B & Detail C see Sheet 4 of 7.

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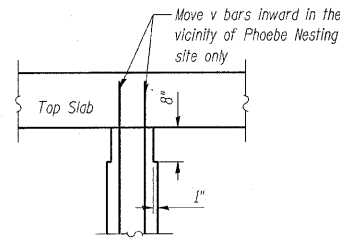
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 48 OVER
TRIBUTARY TO FRIENDS CREEK DITCH
FAP 760 - SECTION 124BR-1
DEWITT COUNTY
STATION 73+02.00
STRUCTURE No. 020-2011
CULVERT DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	"NO."
FAP 760	124BR-1	DEWITT	64	41
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

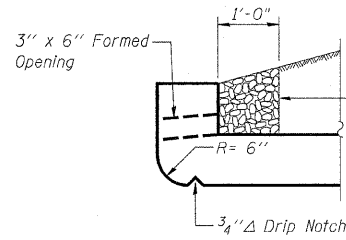
SHEET NO. 4 of
7 SHEETS

CONTRACT NO. 70014

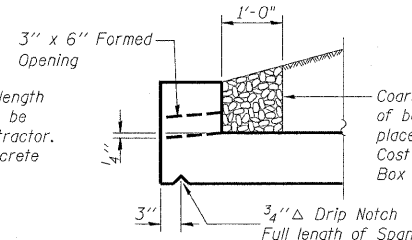


PHOEBE NESTING NOTCH DETAIL

Note: Notch formed by rough-finished board attached to and removed with formwork. Do not chamfer. (Downstream end only.)

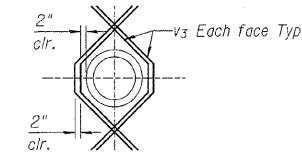


AT UPSTREAM END

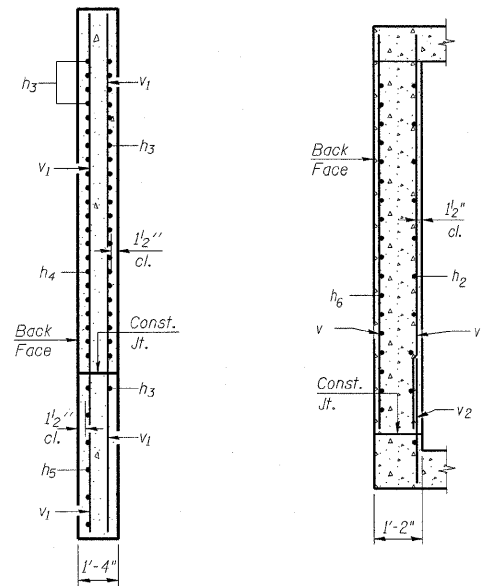


AT DOWNSTREAM END

DRAIN DETAIL

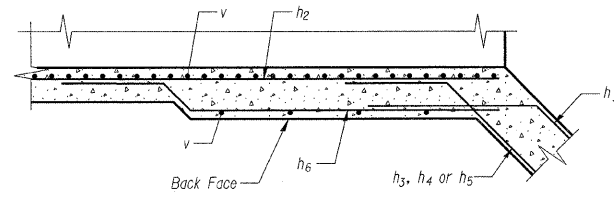


ADDITIONAL BARS AT STORM OUTLETS

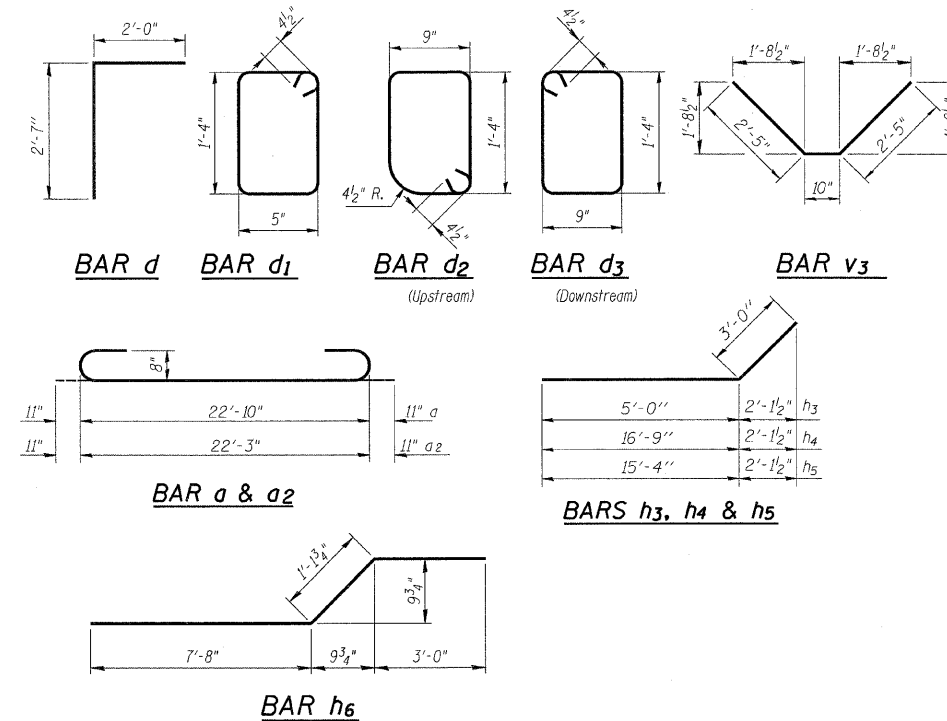


SECTION A-A

SECTION B-B



DETAIL C



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	34	#8	24'-8"	U
a1	56	#6	22'-10"	U
a2	72	#8	24'-1"	U
a3	134	#6	22'-2"	U
d	44	#4	4'-7"	U
d1	23	#4	4'-3"	U
d2	23	#4	4'-11"	U
d3	23	#4	4'-11"	U
h	172	#5	22'-2"	—
h1	52	#6	22'-2"	—
h2	40	#7	22'-2"	—
h3	120	#8	8'-0"	—
h4	52	#8	19'-9"	—
h5	24	#8	18'-4"	—
h6	36	#7	11'-9"	—
h7	6	#6	22'-8"	—
v	256	#5	10'-1"	—
v1	28	#4	14'-3"	—
v2	216	#5	3'-5"	—
v3	16	#4	5'-8"	—
Concrete Box Culverts			Cu. Yd.	153.3
Reinforcement Bars			Pound	32470

NOTES:

1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

DESIGNED	-	BWB
CHECKED	-	MAA
DRAWN	-	RMR
CHECKED	-	BSC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 48 OVER
TRIBUTARY TO FRIENDS CREEK DITCH
FAP 760 - SECTION 124BR-1
DEWITT COUNTY
STATION 73+02.00
STRUCTURE No. 020-2011
CULVERT DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 760	124BR-1	DEWITT	64	42
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 70014	

SHEET NO. 5 of 7 SHEETS

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 = $1.25 \times f_y \times A_s$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_s$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_s = 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

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

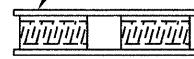
The diameter of this part is equal or larger than the diameter of bar spliced.

ROLLED THREAD DOWEL BAR



** ONE PIECE

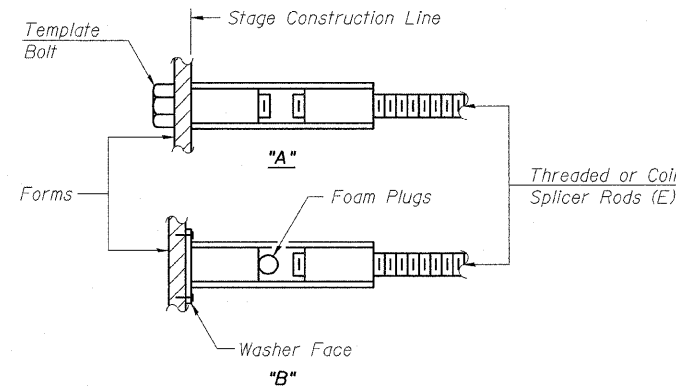
Wire Connector



WELDED SECTIONS

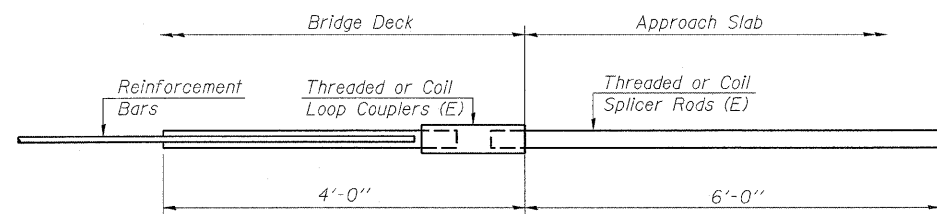
BAR SPLICER ASSEMBLY ALTERNATIVES

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



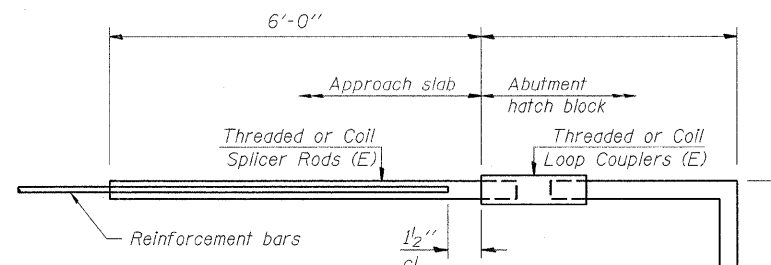
INSTALLATION AND SETTING METHODS

"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.



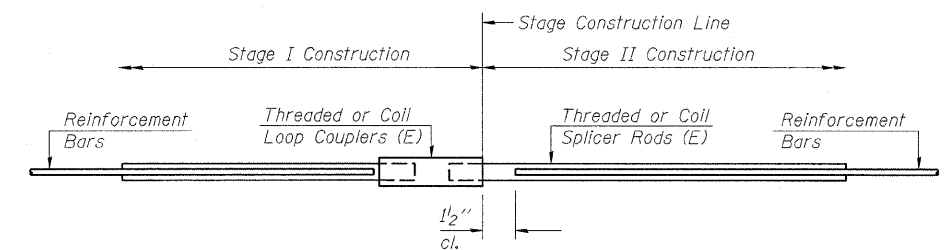
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

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



FOR PILE BENT ABUTMENTS

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



STANDARD

Bar Size	No. Assemblies Required	Location
#5	44	Bottom Slab
#7	20	Exterior Walls
#5	20	Center Wall
#6	26	Top Slab
#5	22	Top Slab

DESIGNED -	BWB
CHECKED -	MAA
DRAWN -	RMR
CHECKED -	BSC

BSD-1

PLANS PREPARED BY:

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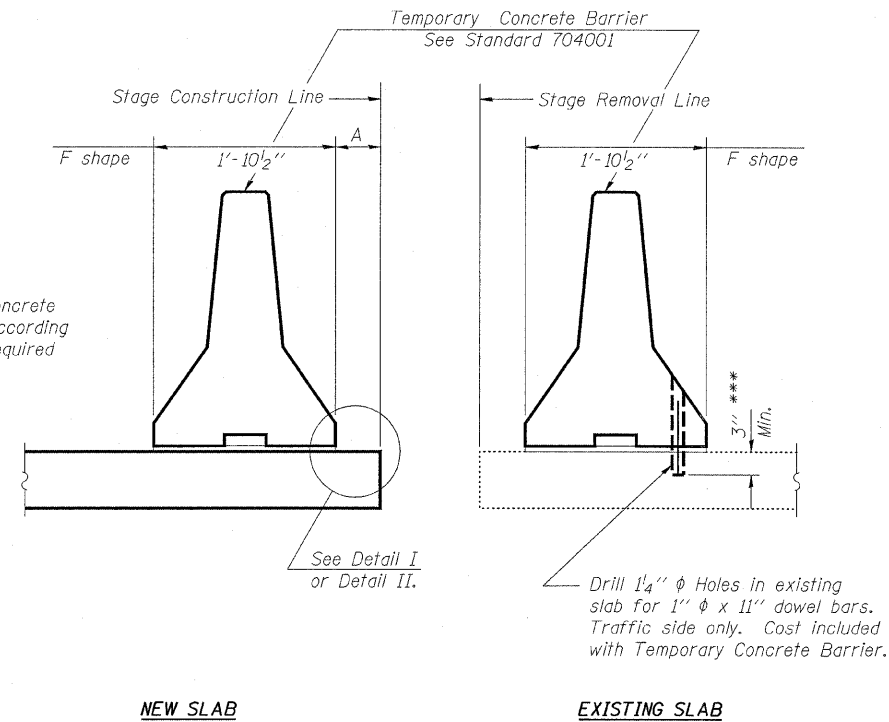
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 48 OVER
TRIBUTARY TO FRIENDS CREEK DITCH
FAP 760 - SECTION 124BR-1
DEWITT COUNTY
STATION 73+02.00
STRUCTURE No. 020-2011
BAR SPLICER ASSEMBLY DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 760	124BR-1	DEWITT	64	43
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SHEET NO. 6 of
7 SHEETS

CONTRACT NO. 70014



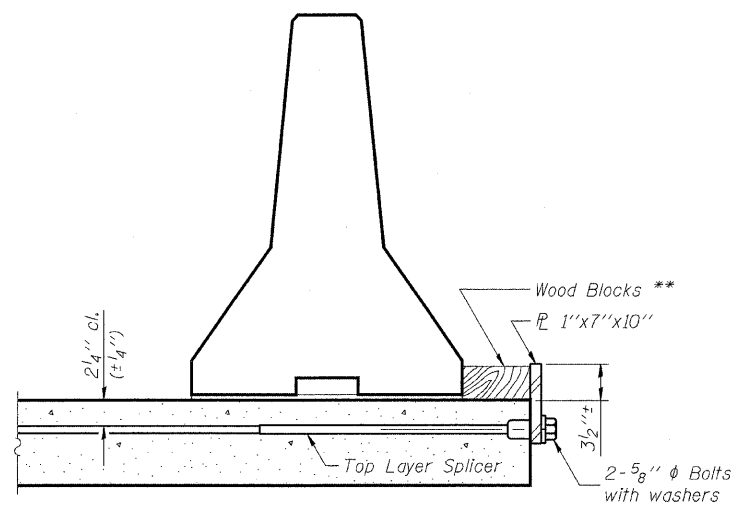
When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NOTES

- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} 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{L} to the concrete slab 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.

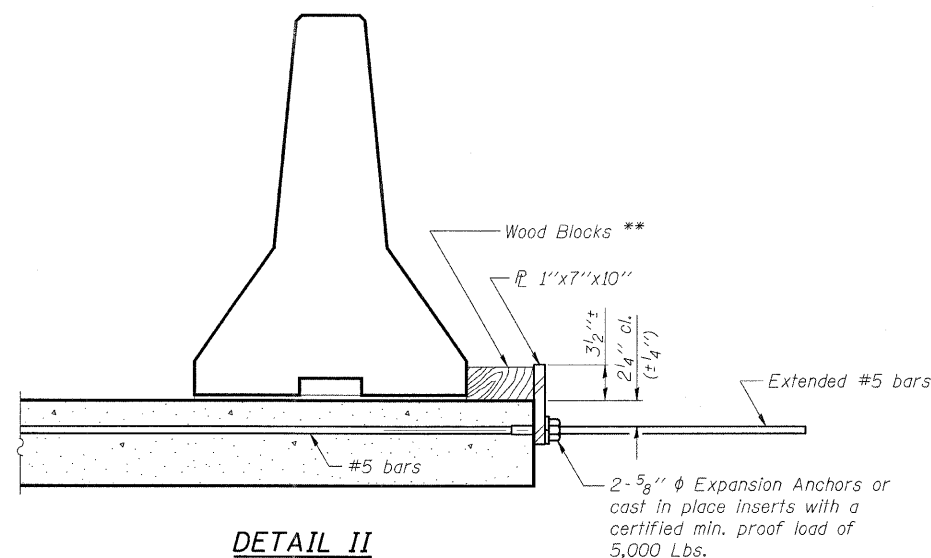
SECTION THRU SLAB

*** 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.



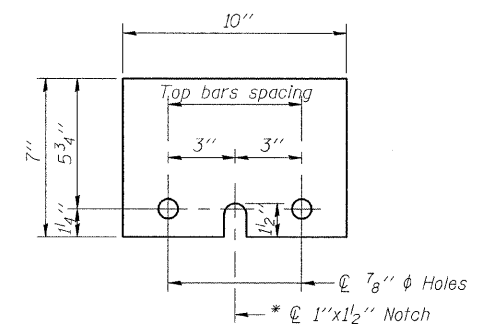
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" 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.



1"x7"x10"

* Required only with 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.

DESIGNED	-	BWB
CHECKED	-	MAA
DRAWN	-	RMR
CHECKED	-	BSC

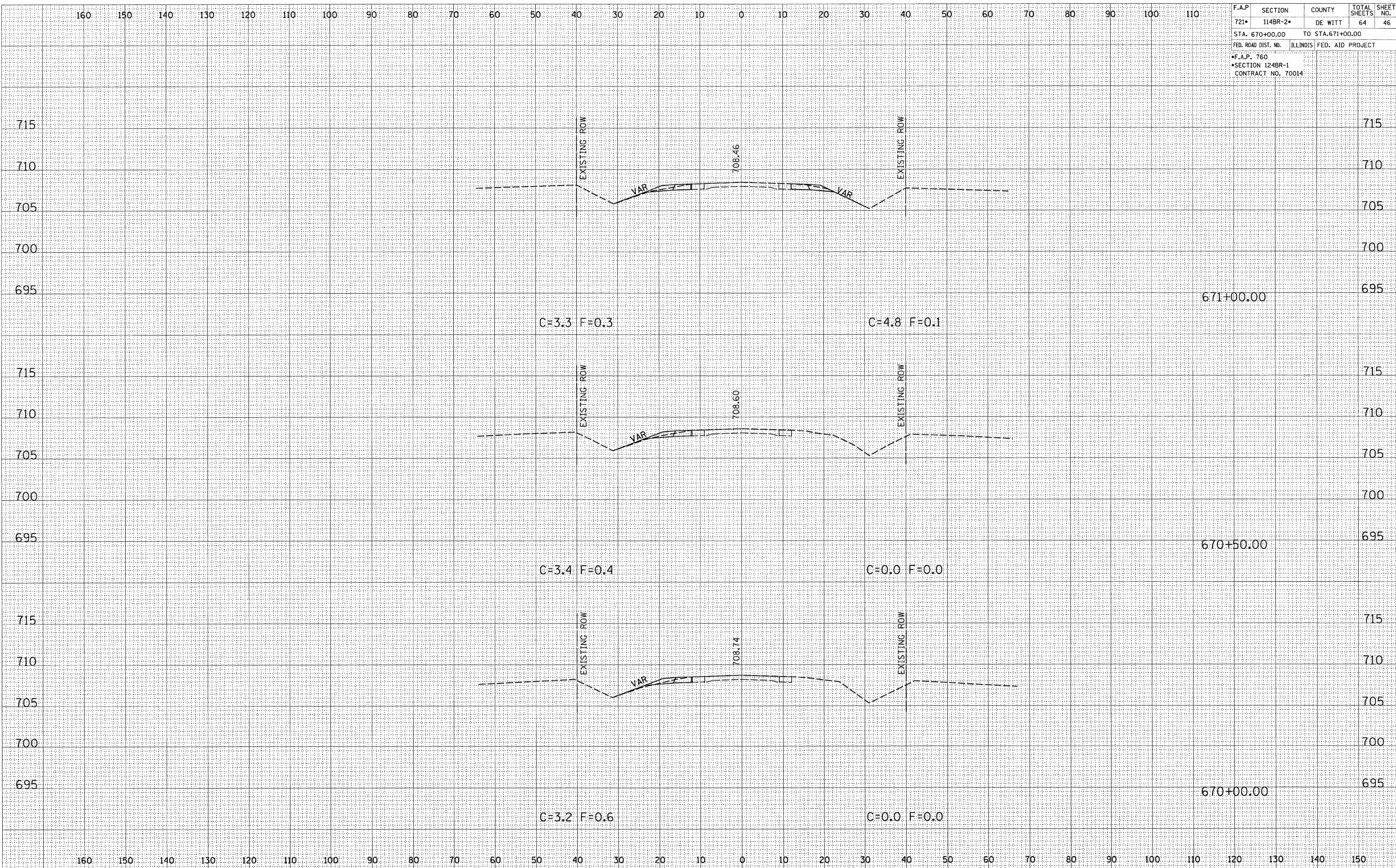
R-27

PLANS PREPARED BY:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 48 OVER
TRIBUTARY TO FRIENDS CREEK DITCH
FAP 760 - SECTION 124BR-1
DEWITT COUNTY
STATION 73+02.00
STRUCTURE No. 020-2011
TEMPORARY CONC. BARRIER FOR STAGE CONST.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DE WITT	64	46
STA. 670+00.00		TO STA. 671+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				



DATE _____ BY _____

FINAL SURVEY SURVEYED _____

NOTE BOOK NO. _____

PLOTTED _____

AREAS CHECKED _____

DATE _____ BY _____

ORIGINAL SURVEY SURVEYED _____

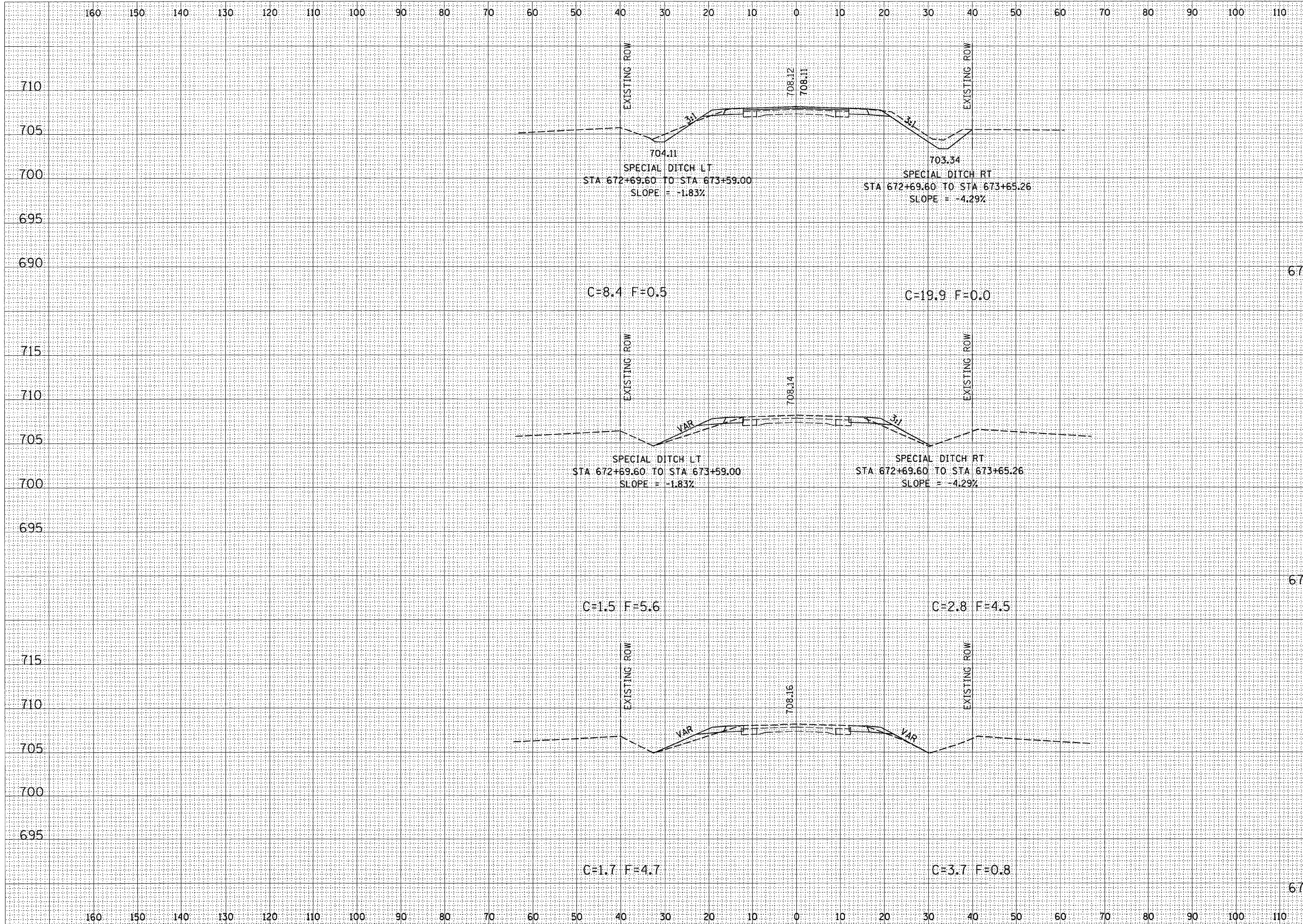
NOTE BOOK NO. _____

PLOTTED _____

AREAS CHECKED _____

CROSS SECTIONS, FAP 721 (IL-10), STA 670+00.00 TO STA 671+00.00

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DE WITT	64	48
STA. 672+50.00 TO STA. 673+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				



DATE	BY

DATE	BY

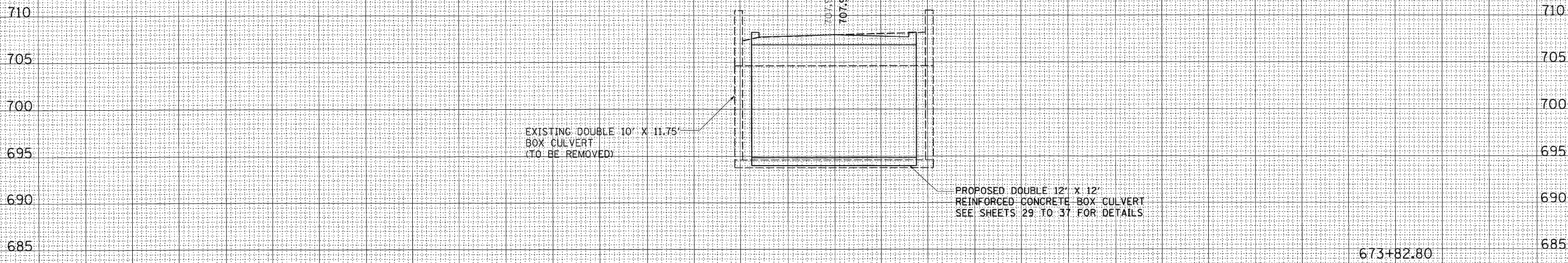
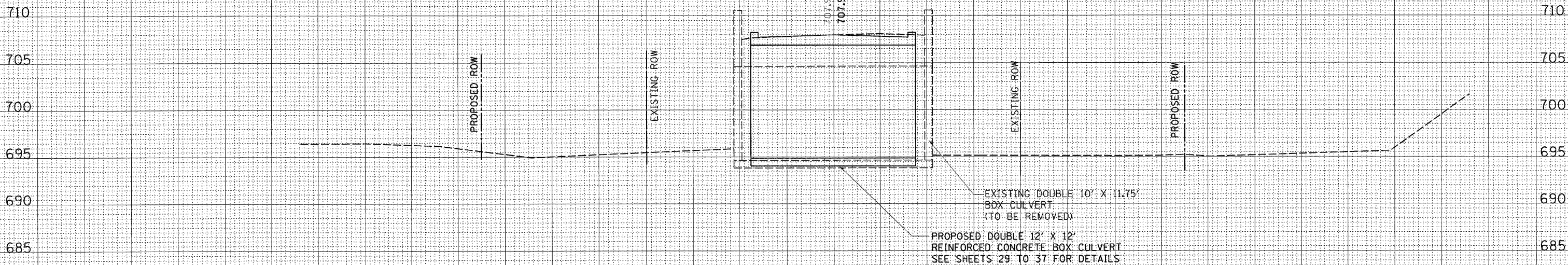
CROSS SECTIONS, FAP 721 (IL-10), STA 672+50.00 TO STA 673+00.00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

F.A.P	SECTION	COUNTY	TOTAL	SHEET
721*	114BR-2*	DE WITT	64	50
STA. 673+82.80 TO STA. 673+93.41				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

DATE	BY
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

DATE	BY
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED



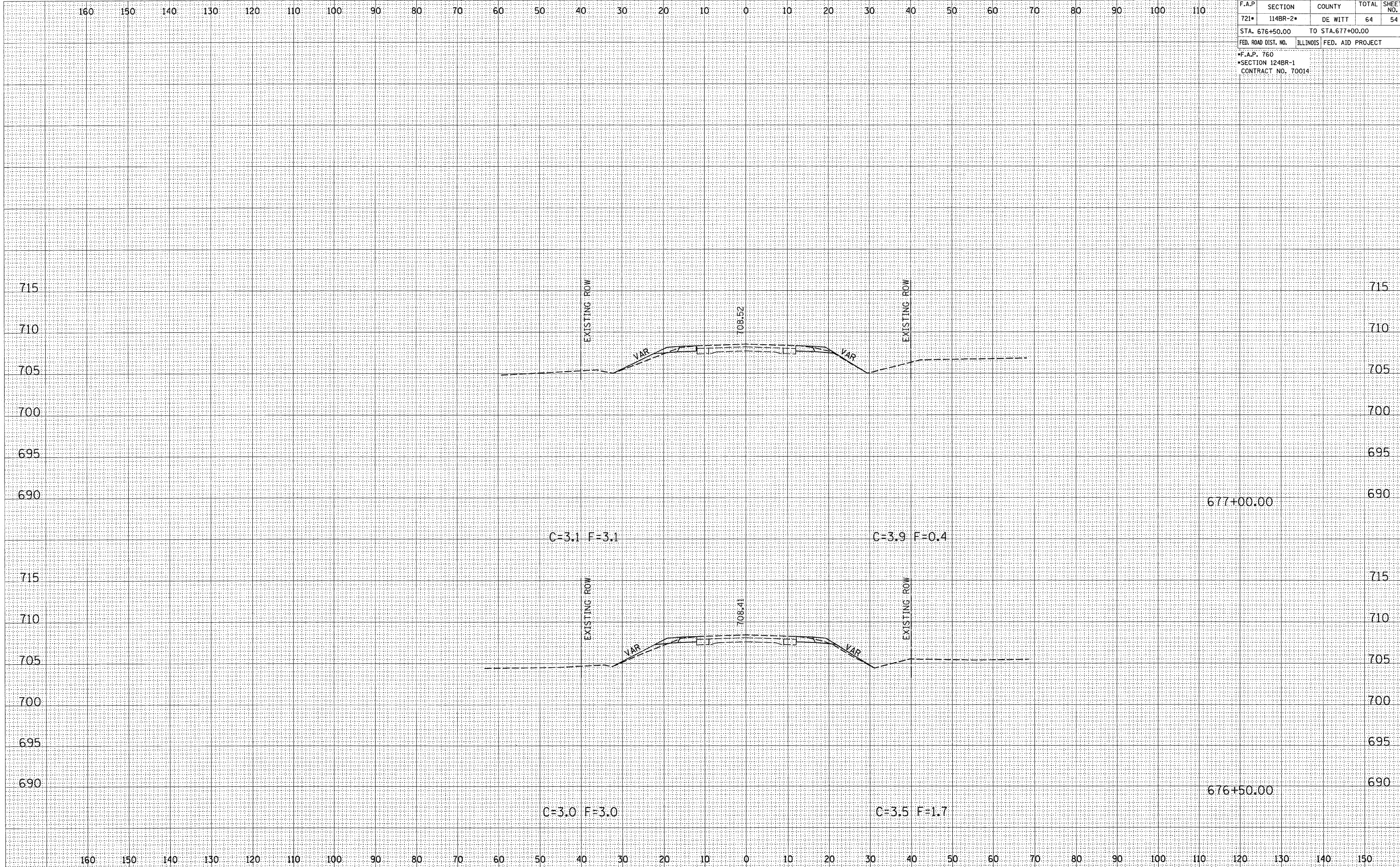
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

F.A.P	SECTION	COUNTY	TOTAL	SHEET
721*	114BR-2*	DE WITT	64	54
STA. 676+50.00		TO STA. 677+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*F.A.P. 760
 *SECTION 124BR-1
 CONTRACT NO. 70014

DATE	BY

DATE	BY

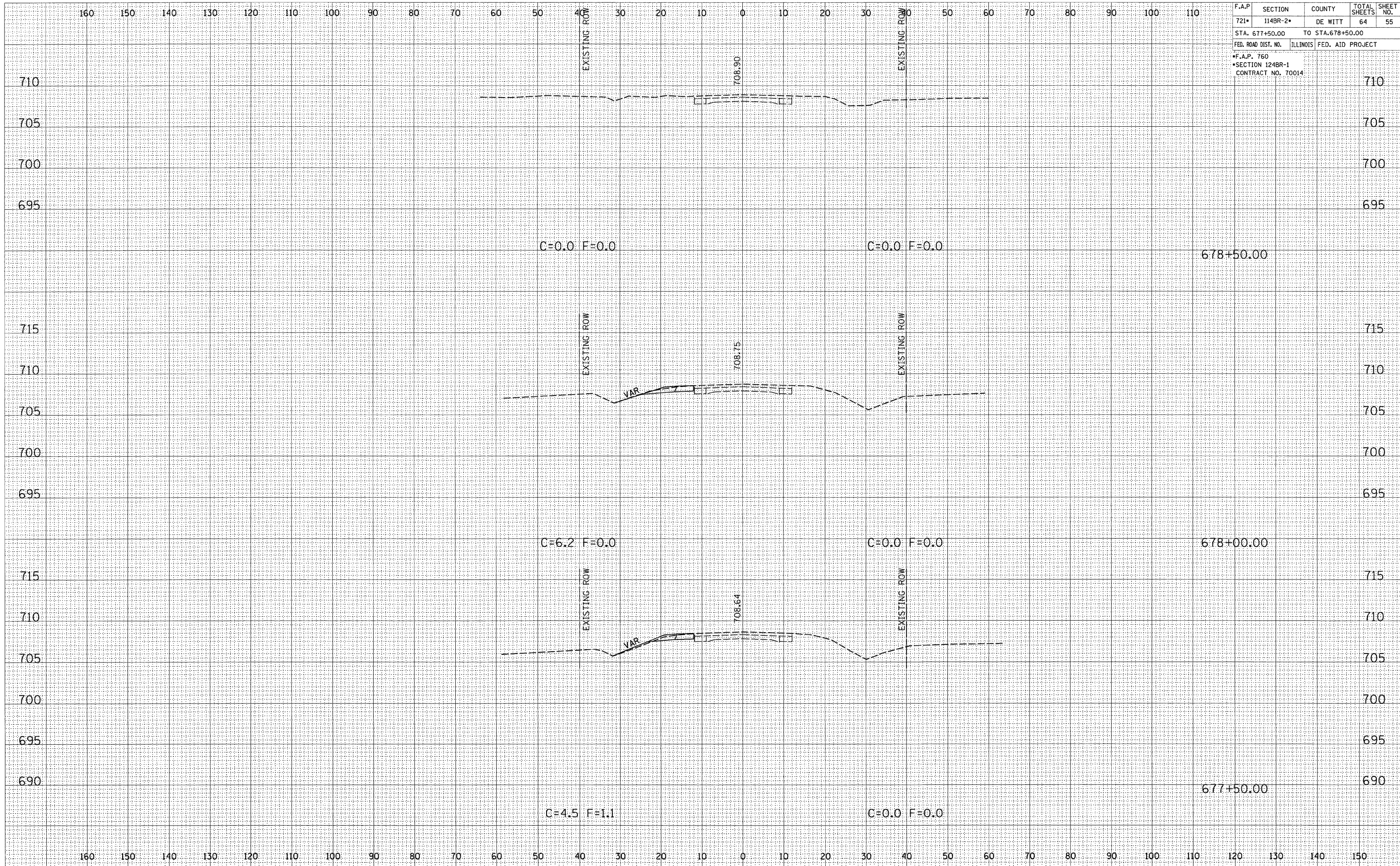


CROSS SECTIONS, FAP 721 (IL-10), STA 676+50.00 TO STA 677+00.00

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DE WITT	64	55
STA. 677+50.00 TO STA. 678+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

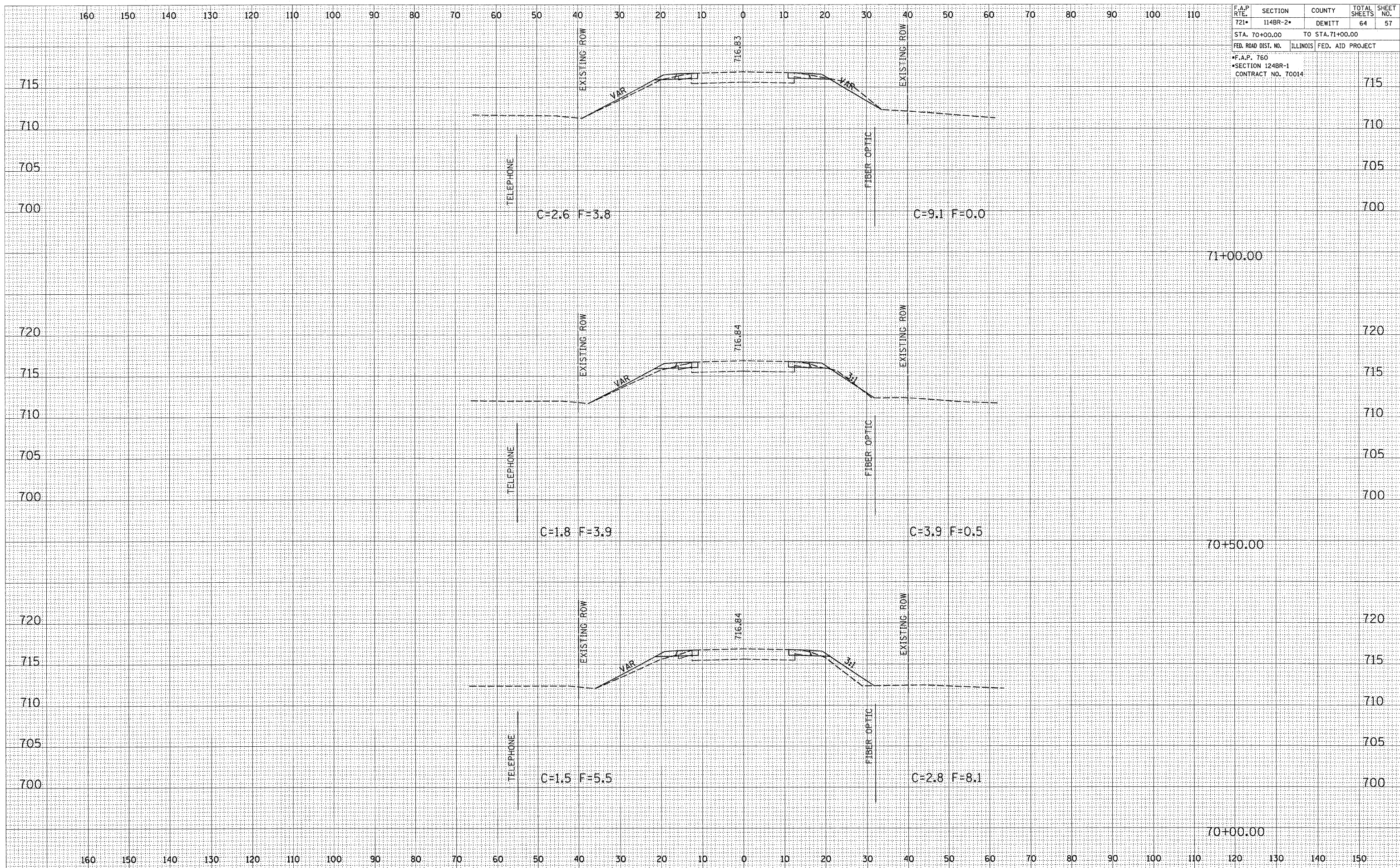


CROSS SECTIONS, FAP 721 (IL-10), STA 677+50.00 TO STA 678+50.00

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

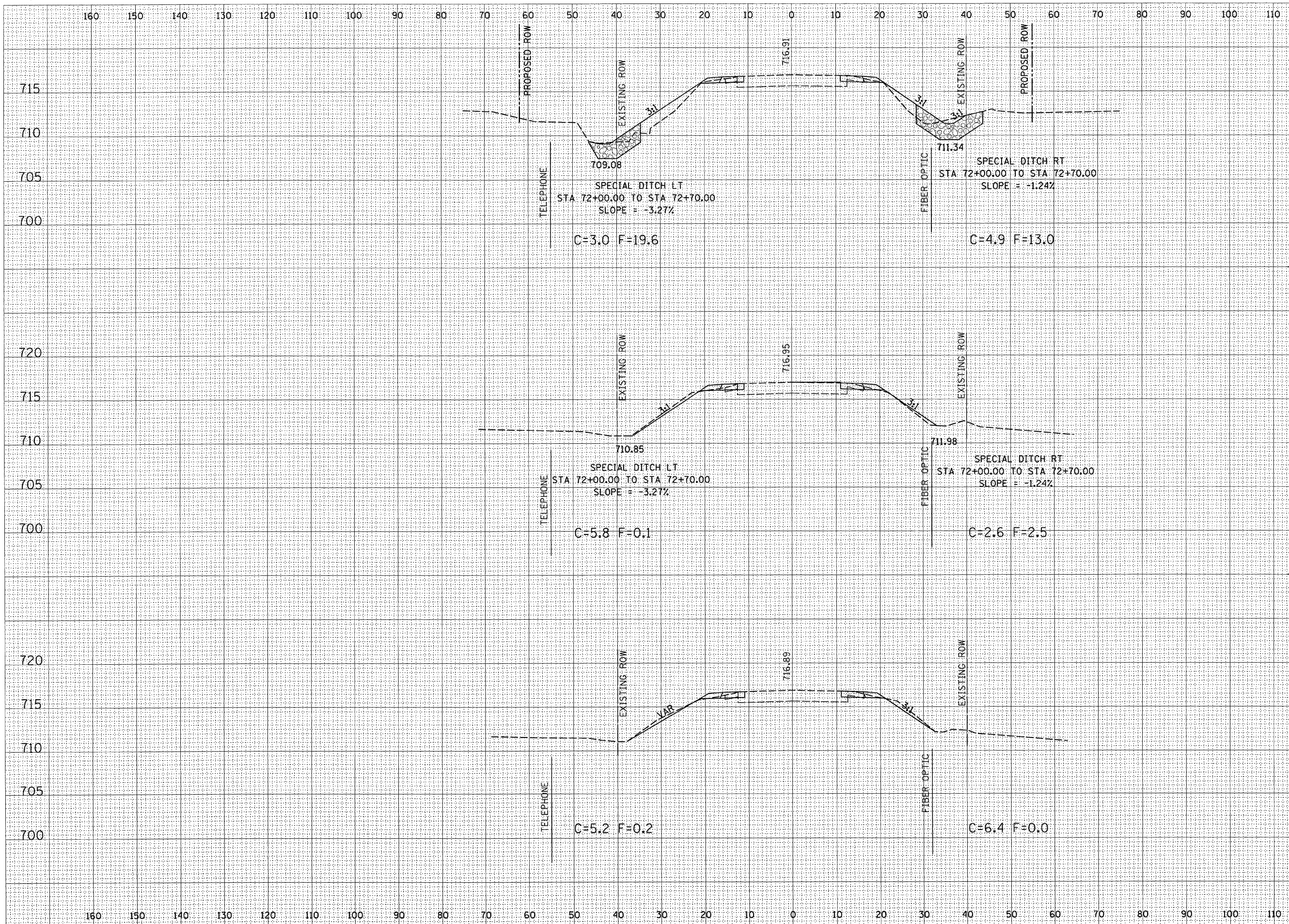
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DEWITT	64	57
STA. 70+00.00		TO STA. 71+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				



CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 70+00.00 TO STA 71+00.00

F.A.P.	SECTION	COUNTY	TOTAL	SHEET
721*	114BR-2*	DEWITT	64	58
STA. 71+50.00 TO STA. 72+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				



DATE	BY

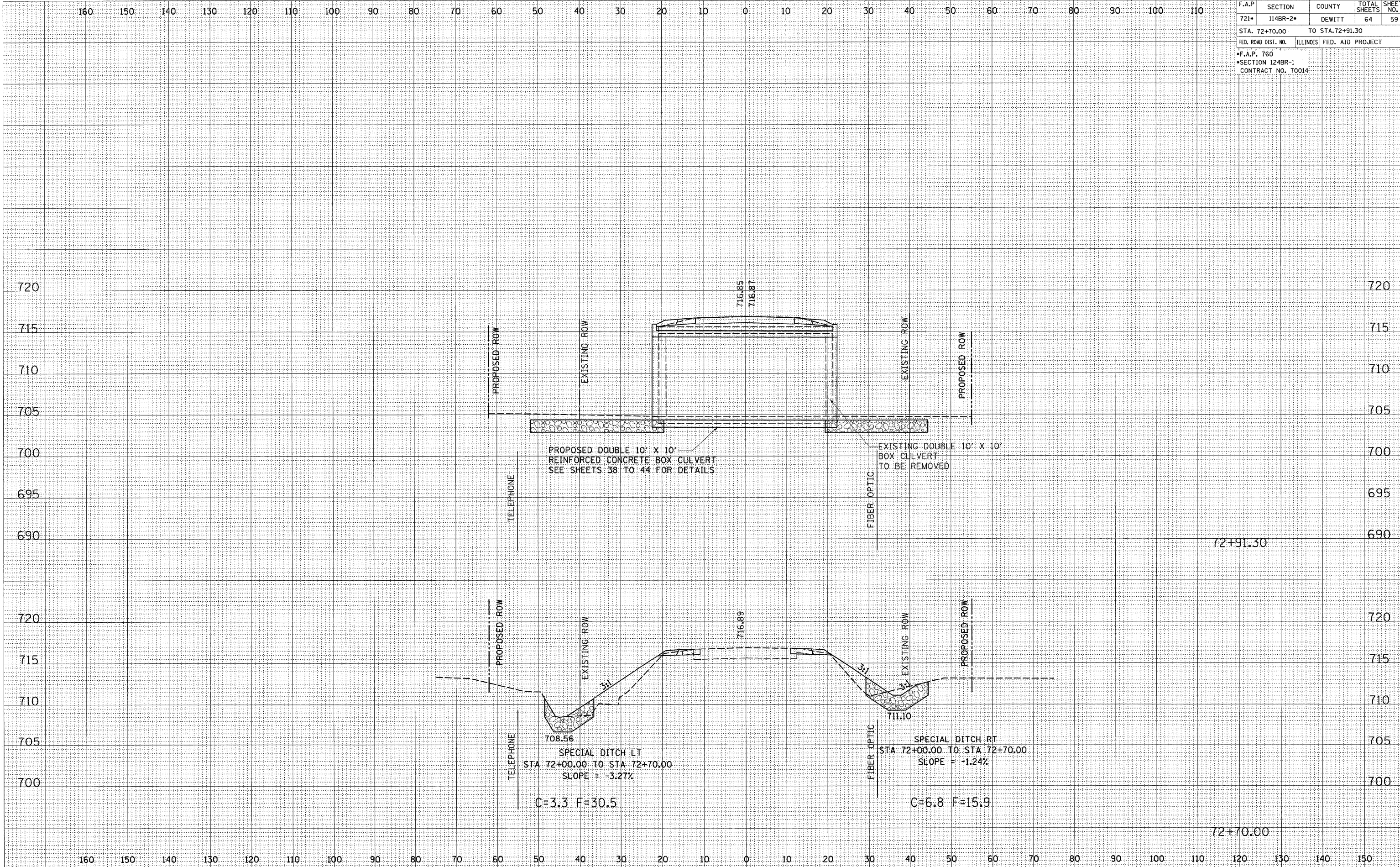
DATE	BY

CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 71+50.00 TO STA 72+50.00

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DEWITT	64	59
STA. 72+70.00		TO STA. 72+91.30		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

DATE	BY

DATE	BY

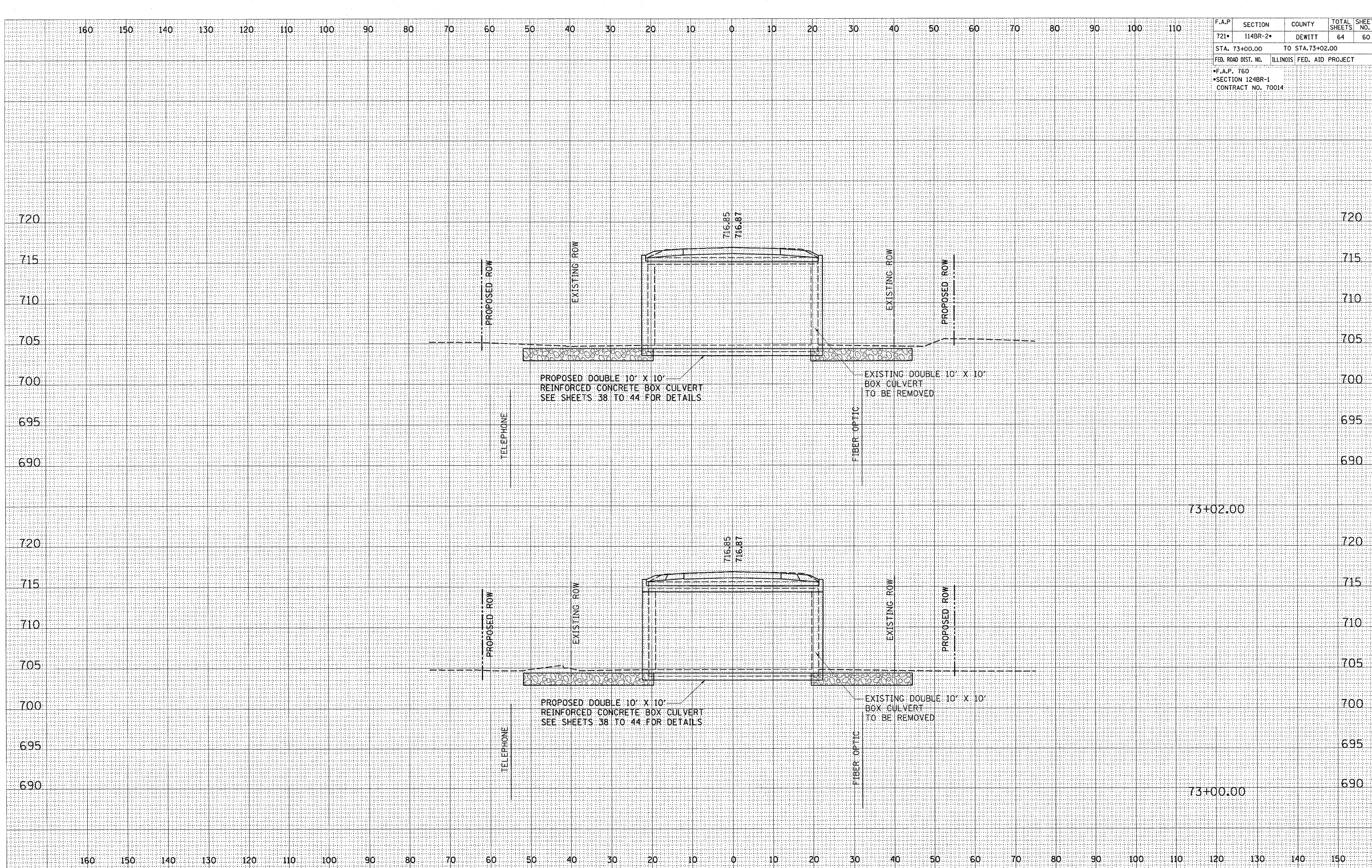


CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 72+70.00 TO STA 72+91.30

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DEWITT	64	60
STA. 73+00.00 TO STA. 73+02.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK		
NO. _____		
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK		
NO. _____		
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

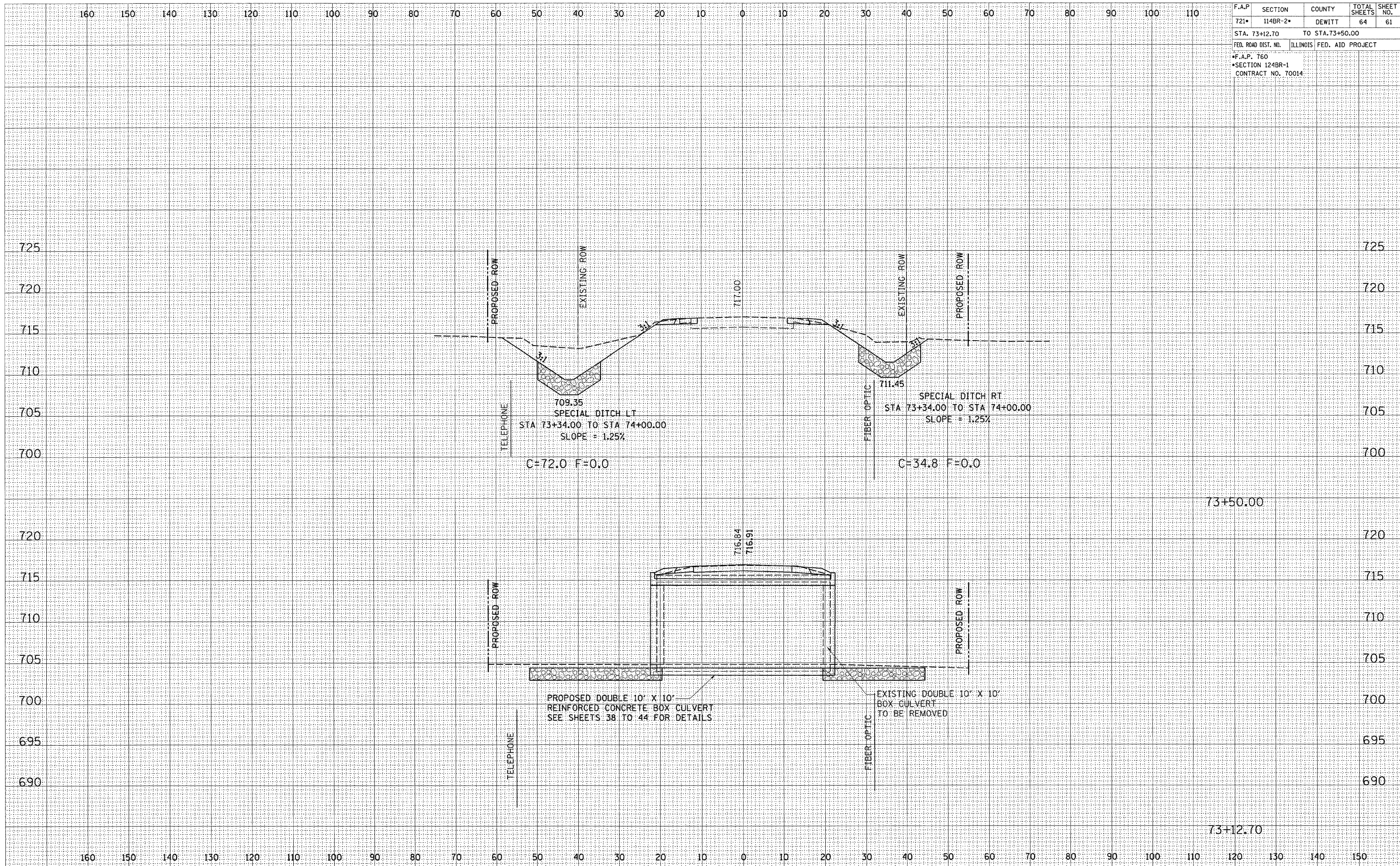


CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 73+00.00 TO STA 73+02.00

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DEWITT	64	61
STA. 73+12.70 TO STA. 73+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

FINAL SURVEY	DATE
NO.	

ORIGINAL SURVEY	DATE
NO.	



CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 73+12.70 TO STA 73+50.00

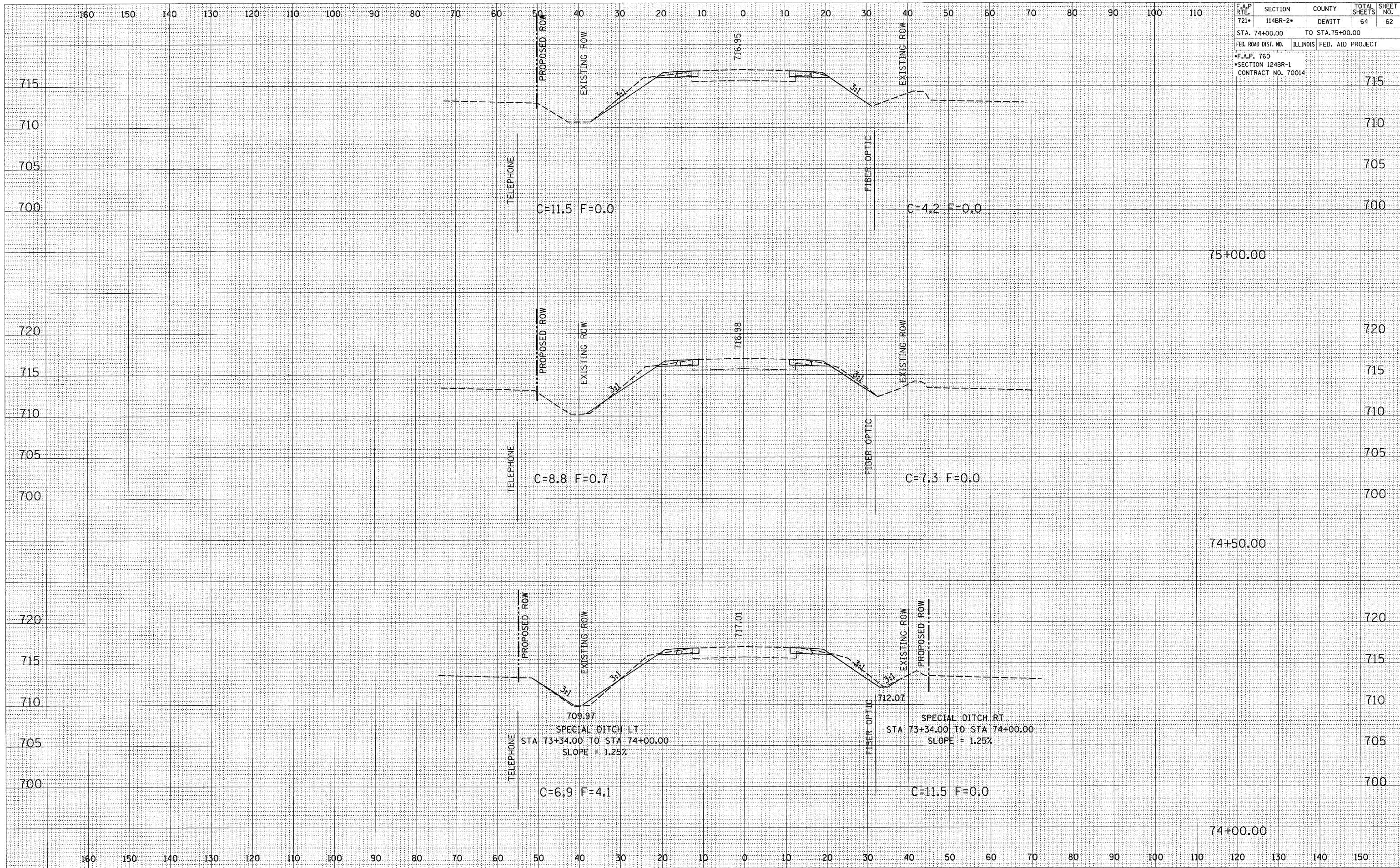
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DEWITT	64	62
STA. 74+00.00 TO STA. 75+00.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	AREAS	CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	AREAS	CHECKED

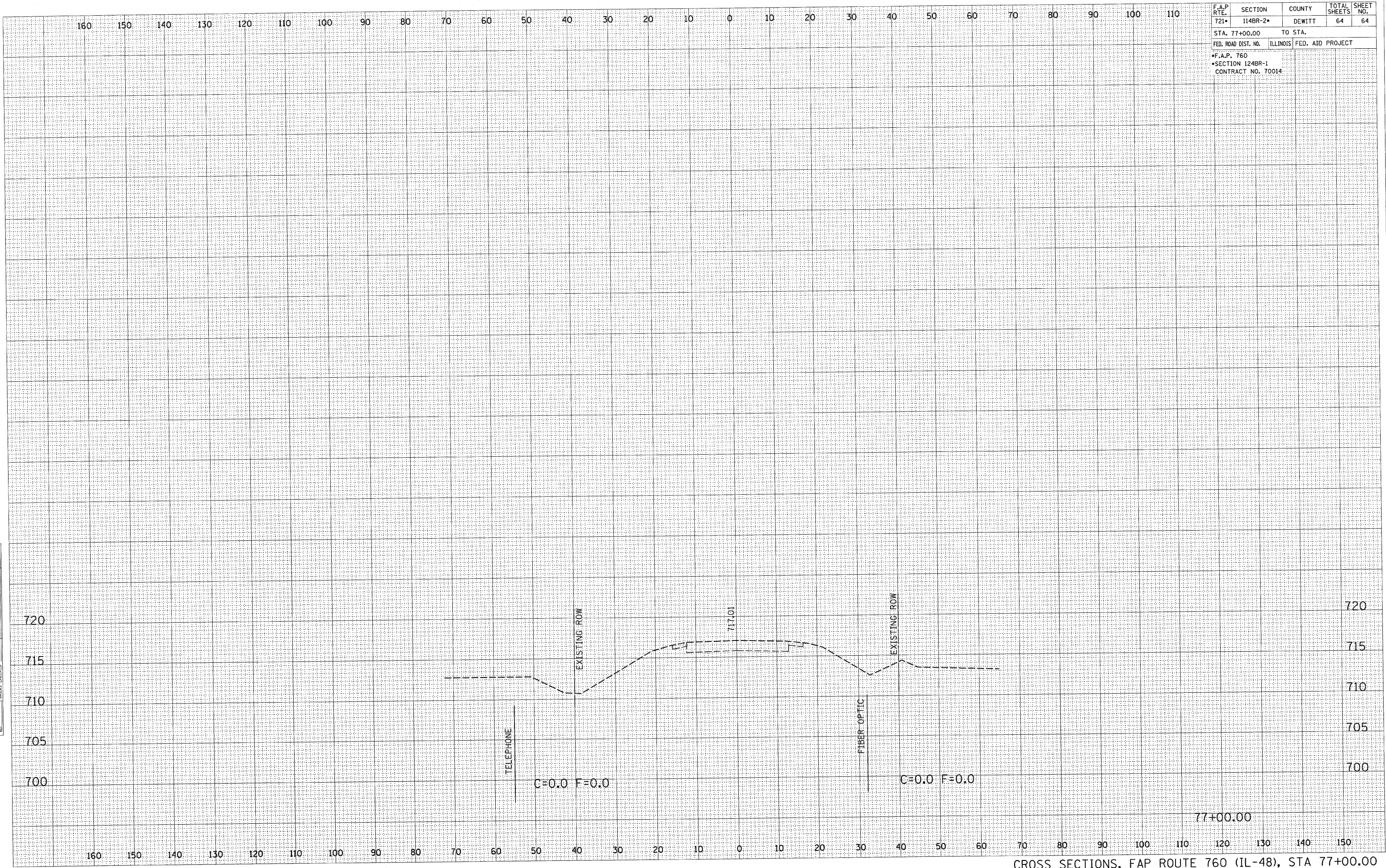


CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 74+00.00 TO STA 75+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721*	114BR-2*	DEWITT	64	64
STA. 77+00.00		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*F.A.P. 760				
*SECTION 124BR-1				
CONTRACT NO. 70014				

FINAL SURVEY	BY	DATE
NOTE BOOK NO.		
REVISIONS		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK NO.		
REVISIONS		
PLOTTED		
TEMPLATE		
AREAS CHECKED		



CROSS SECTIONS, FAP ROUTE 760 (IL-48), STA 77+00.00