

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	1

14/56

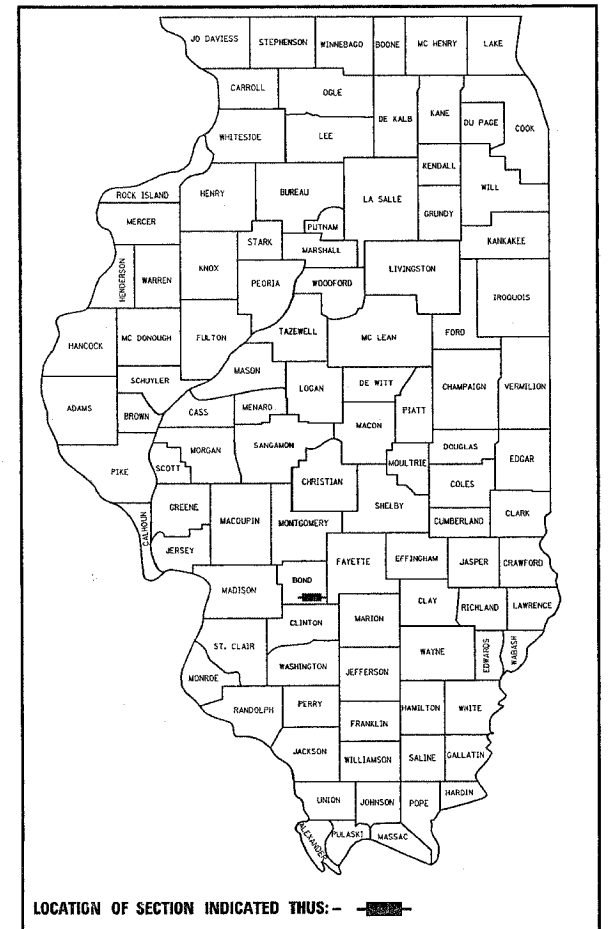
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 793 (IL 143)
SECTION 112BR-2
PROJECT: BHF-0793(019)
SUPERSTRUCTURE REPLACEMENT
BOND COUNTY
C-98-055-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2

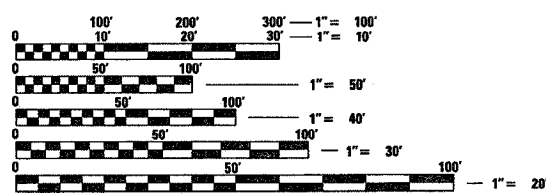
D-98-037-05



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

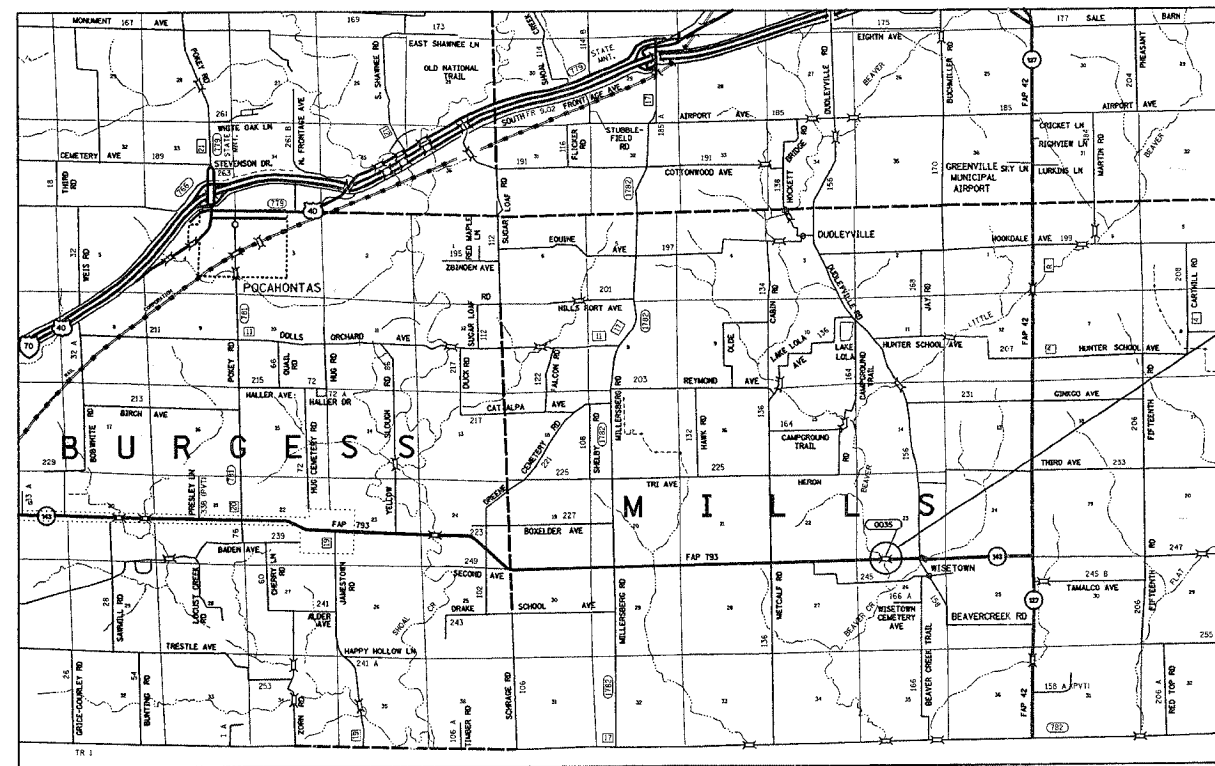
PROJECT ENGINEER: PATTI LeBEAU (618) 346-3179
SQUAD CONTACT: ARTHUR MUEHLFELD (618) 346-3209

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS



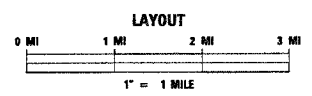
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



FOUR SPAN PPC DECK BEAM
SUPERSTRUCTURE TO BE
REPLACED IN KIND
OVER BEAVER CREEK
SN 003-0035
STA 670+40
206' - 8 1/2" BK TO BK ABUTMENTS

DESIGN DESIGNATION	ADT = 1200 (2003)
NA	ADT = 1700 (2028)
	SU = 6.3%
	MU = 12.5%



LAT = 38.77038
LONG = 89.40447

GROSS LENGTH 0.039 MI
NET LENGTH 0.039 MI

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 9 2007
Man C. Lamic
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

June 29, 2007
Eric E. Naranjo
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

June 29, 2007
Milton R. Sisco, P.E.
DIRECTOR, DIVISION OF HIGHWAYS

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

CONTRACT NO. 76897

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

1 COVER SHEET
 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
 3-4 SUMMARY OF QUANTITIES
 5 TYPICAL SECTIONS
 6-7 SCHEDULES OF QUANTITIES
 8 TIE POINTS & BENCHMARKS
 9-10 PLAN AND PROFILE SHEETS
 11 WIDE LOAD SIGNING
 12-15 STAGE CONSTRUCTION
 16-17 STORM WATER POLLUTION PREVENTION PLAN
 18-19 EROSION CONTROL
 20-23 PLAT OF HIGHWAYS
 23A TEMPORARY USE PERMIT EXHIBIT
 24-26A MISCELLANEOUS DETAILS
 27-28 PAVEMENT MARKING SHEETS
 29-43 BRIDGE PLANS
 43A EXISTING STRUCTURE PLAN
 44-48 MAINLINE CROSS SECTIONS
 49 UNDER BRIDGE CROSS SECTIONS
 50 ENTRANCE CROSS SECTIONS
 51-52 ENTRANCE STA 672+25 LT CROSS SECTIONS
 52A. TRAFFIC BARRIER TERMINAL, TYPE & DETAIL

GENERAL NOTES:

- THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING J.U.L.I.E. AND BY NOTIFYING NON-J.U.L.I.E. MEMBERS INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - BOND MADISON WATER COMPANY
 - CENTERPOINT ENERGY
 - AT&T (COMMUNICATIONS)
 - SOUTHWESTERN ELECTRIC COOPERATIVE, INC.
 MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- RIGHT OF WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. RIGHT OF WAY PROPERTY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RIGHT OF WAY MARKERS.
- THE CONTRACTOR SHALL PROVIDE TWO SIGNAL HEADS (EACH) FOR THE ENTRANCES LOCATED WITHIN THE STAGE CONSTRUCTION AT STA 668+09.78 RT AND STA 673+88.84 RT. THE SIGNALS, DETECTOR LOOPS, AND THE NUMBER OF TURNS OF WIRE IN THE LOOPS SHALL BE AS DETERMINED BY THE ENGINEER.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND ENDING OF THE PROJECT AND ALL INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE.
- ALL SIGNS THAT INTERFERE WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED, STORED AND RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- ANY DAMAGE TO SIGNS CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL SAW CUTTING FOR REMOVAL ITEMS SHALL BE FULL DEPTH AND SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM.
- NO TRENCHES OR OPEN PITS WILL BE PERMITTED ADJACENT TO A TRAFFIC LANE DURING NON-WORKING HOURS. ALL WIDENING TRENCHES SHALL BE BACKFILLED DURING THE SAME WORKING DAY IT WAS EXCAVATED.
- THE COST FOR GRADING AND SHAPING ALONG THE PROPOSED WIDENING SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION (WIDENING)".
- THE TRAFFIC CONTROL MEASURES SHOWN ON PLANS FOR STAGE I AND II SHALL SUPPLEMENT AND BE IN ACCORDANCE WITH TRAFFIC CONTROL STANDARD 701321.
- THE COST OF "BARRICADES, TYPE III" USED DURING STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)".
- A QUANTITY OF 800 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6 INCHES" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
- THE BARRIER UNIT AT EACH END OF THE TRAFFIC CONTROL INSTALLATION SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING ALL SIX ANCHORING PINS FOR F-SHAPE BARRIER OR ALL SIX DOWEL BARS FOR NEW JERSEY SHAPE BARRIER.
- THE TEMPORARY CONCRETE BARRIER (STATE OWNED) IS LOCATED AT THE CARLYLE MAINTENANCE YARD, CONTACT JASON ROECKENHAUS AT (618) 594-3001 PRIOR TO PICK UP. THE CONTRACTOR SHALL PICK UP THE BARRIER AND RETURN THE BARRIER TO THE SAME LOCATION UPON COMPLETION OF THE PROJECT. ANY DAMAGED BARRIER WILL NOT HAVE TO BE REPLACED. THE CONTRACTOR SHALL DISPOSE OF DAMAGED CONCRETE BARRIER IN AN APPROVED DUMP SITE. THE CONNECTOR PINS SHALL BE FURNISHED BY THE CONTRACTOR AND THE COST SHALL BE INCLUDED WITH THE COST OF "TEMPORARY CONCRETE BARRIER (STATE OWNED)".

COMMITMENTS

PRIOR TO COMMENCEMENT OF ANY WORK INVOLVING IN-STREAM ACTIVITY, THE RESIDENT ENGINEER SHALL VERIFY WITH THE DISTRICT HYDRAULICS ENGINEER, FRANK OFFER, THAT THE NATIONWIDE 404 PERMIT HAS BEEN ISSUED AND IS IN EFFECT FOR THIS PROJECT.

ANY DISTURBED WETLAND AREA OUTSIDE THE CONSTRUCTION LIMITS SHALL BE SEEDED WITH REDTOP (AGROTIS ALBA) AT 10 LBS PER ACRE AT THE CONTRACTOR'S EXPENSE.

AN ENTRANCE SHALL BE CONSTRUCTED AT STA 672+25 LT FOR PARCEL 8607002. THIS ENTRANCE SHALL BE CONSTRUCTED DURING STAGE II AND OPENED UPON REMOVAL OF THE STAGE CONSTRUCTION.

THE PIPE CULVERT UNDER THE FIELD ENTRANCE AT STA 665+55.16 LT WILL BE REMOVED AND REPLACED WITH THIS PROJECT. THE PIPE SHALL BE REPLACED AS A PRE-STAGE TO STAGE CONSTRUCTION OF THE STRUCTURE. THE PROPERTY OWNERS SHALL BE NOTIFIED ONE WEEK PRIOR TO ANY WORK ON THIER ENTRANCE.

DANIEL ZITTA 654-1400
 ROGER SCHRAGE 654-1434

HIGHWAY STANDARDS

000001-04	635006-02	701311-02
280001-03	635011-01	701321-08
515001-02	666001	701326-02
630001-07	701011-01	702001-06
630301-04	701301-02	704001-03
631032-03	701306-01	780001-01
		781001-02

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

SUMMARY OF QUANTITIES

CONTRACT NO. 76897				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		X080-2A	
35600717	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4"	SQ YD	262	262	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	244	244	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	336	336	
20200100	EARTH EXCAVATION	CU YD	350	350	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	50	50	
20300100	CHANNEL EXCAVATION	CU YD	690	690	
20400800	FURNISHED EXCAVATION	CU YD	4100	4100	
25000200	SEEDING, CLASS 2	ACRE	1	1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	90	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90	90	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	90	
25100115	MULCH, METHOD 2	ACRE	1	1	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300	300	
28000300	TEMPORARY DITCH CHECKS	EACH	2	2	
28000400	PERIMETER EROSION BARRIER	FOOT	820	820	
28100109	STONE RIPRAP, CLASS A5	SQ YD	3500	3500	
28200200	FILTER FABRIC	SQ YD	3500	3500	
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	11	11	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.2	0.2	
40600300	AGGREGATE (PRIME COAT)	TON	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	213	213	
40600990	TEMPORARY RAMP	SQ YD	72	72	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	54	54	
42001300	PROTECTIVE COAT	SQ YD	753	753	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	13	13	
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	40	40	
50300260	BRIDGE DECK GROOVING	SQ YD	705	705	
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	6769	6769	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9450	9450	
50800515	BAR SPLICERS	EACH	207	207	
50901050	STEEL RAILING, TYPE SM	FOOT	413	413	
51500100	NAME PLATES	EACH	1	1	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	66	66	
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	70	70	
542D1915	PIPE CULVERTS, CLASS D, TYPE 3 30"	FOOT	40	40	
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	212.5	212.5	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		X080-2A	
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	5	5	
63200310	GUARDRAIL REMOVAL	FOOT	580	580	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	11	11	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	15	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1	
70106600	TEMPORARY BRIDGE TRAFFIC SIGNALS (STATE FURNISHED CONTROLLER)	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIP	EACH	6	6	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	72	72	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1919	1919	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	800	800	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	664	664	
70400500	TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	410	410	
70400600	RELOCATE TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	390	390	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1455	1455	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	464	464	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2	2	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2	2	
* 78100300	REPLACEMENT REFLECTOR	EACH	6	6	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	12	12	
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	6	6	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	5	5	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	554	554	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10	
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	82	82	
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	753	753	
X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	2	2	

* SPECIALTY ITEMS

PLOT DATE = 5/1/2007
 FILE NAME = c:\nrc\pmts\4483785\plan\plan-83785.dgn
 PLOTTER = HPGL-2
 PLOT SCALE = 1/1
 PLOT REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION

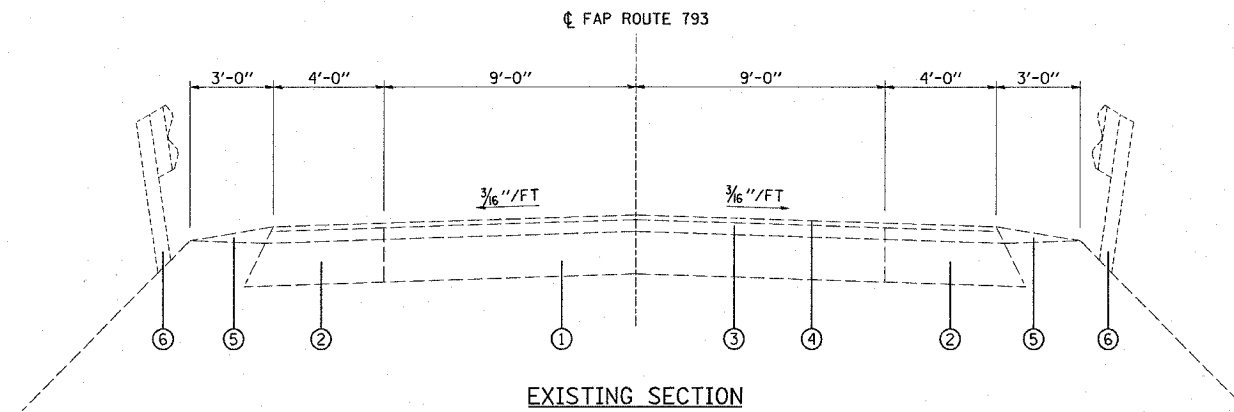
SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		X080-2A		
X7200200	WIDE LOAD SIGNING	L SUM	1	1		
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	96	96		
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		X080-2A		

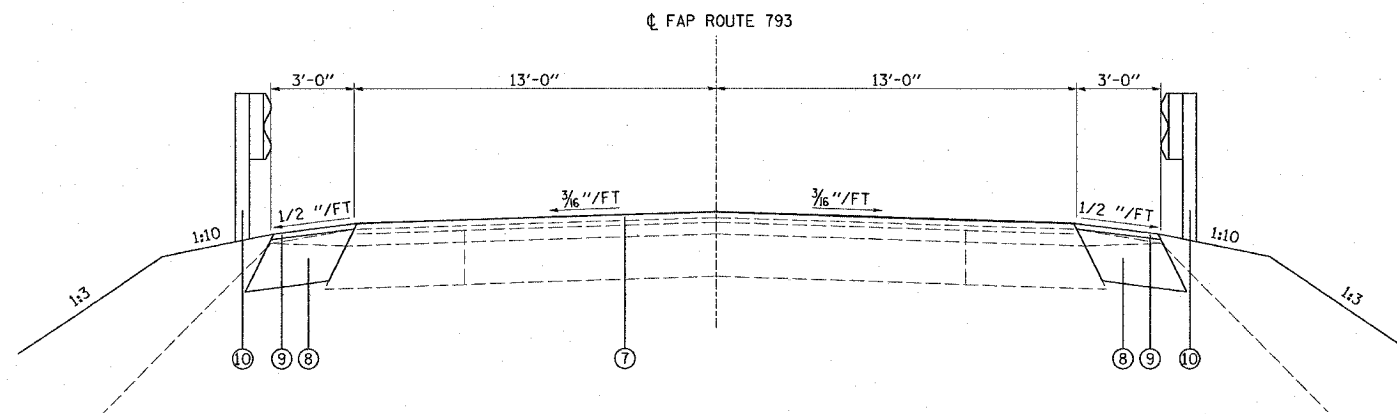
PLOT DATE = 5/1/2007
 FILE NAME = C:\Users\james\Documents\76897\Quant\Quant.dgn
 PLOT SCALE = 48.0000 / IN.
 REFERENCE = REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



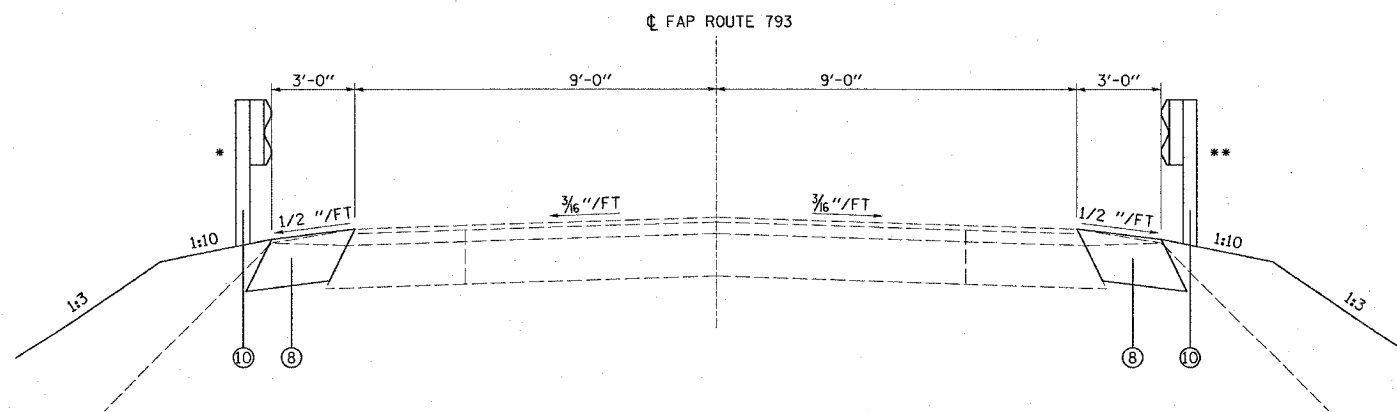
EXISTING SECTION

STA 667+50 TO STA 669+36.65
STA 671+43.36 TO STA 673+50



PROPOSED SECTION

STA 668+50 TO STA 669+36.65
STA 671+43.36 TO STA 672+25



PROPOSED SECTION

* STA 667+81 TO STA 668+50
STA 672+61 TO STA 673+99

STA 667+50 TO STA 668+50
STA 672+25 TO STA 673+50

** STA 668+31 TO STA 668+50
STA 672+25 TO STA 672+99

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING BASE COURSE WIDENING - 9"
- ③ EXISTING BINDER COURSE - 2 1/2"
- ④ EXISTING SURFACE COURSE - 1"
- ⑤ EXISTING AGGREGATE WEDGE
- ⑥ EXISTING GUARDRAIL
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE - VARIABLE DEPTH
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING - 10 1/4"
- ⑨ PROPOSED HOT-MIX ASPHALT SHOULDERS - VARIABLE DEPTH
- ⑩ PROPOSED GUARDRAIL

MIXTURE CHART

MIXTURE USE	SURFACE	BASE COURSE	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 58-22
RAP % (MAX)	10%	15%	30%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION			
(GRADATION MIXTURE)			
FRICITION AGG	MIXTURE "D"	MIXTURE "B"	BAM

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

LOCATION	PAVEMENT MARKING REMOVAL				THERMOPLASTIC PAVEMENT MARKING				POLYUREA PAVEMENT MARKING			TEMPORARY PAVEMENT MARKING LINE - 4"	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	REPLACEMENT REFLECTOR 2-WAY AMBER	RAISED REFLECTIVE PAVEMENT MARKER 2-WAY AMBER	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) 2-WAY AMBER	
	SOLID CENTERLINE 4" YELLOW	SKIP-DASH CENTERLINE 4" YELLOW	EDGE LINE 4" WHITE		SOLID CENTERLINE 4" YELLOW	SKIP-DASH CENTERLINE 4" YELLOW	EDGE LINE 4" WHITE		SKIP-DASH CENTERLINE 4" YELLOW	EDGE LINE 4" WHITE									
	SQ FT	SQ FT	LT	RT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT								
STATION TO STATION																			
STA 666+47.00 TO STA 669+36.65		23	96.5	96.5		80	289.7	289.7					659	28	229	4	3	1	
STA 669+36.65 TO STA 671+43.36			69.0						50	207	207		464	16	160	2			2
STA 671+43.36 TO STA 674+33.00	49	27	96.5	96.5	146	70	289.8	289.8					796	28	275	4	3	1	
SUB-TOTAL	49	50	262	193	146	150	579.5	579.5	50	207	207								
TOTAL		554				1455				464			1919	72	664	10	6	2	2

RESURFACING SCHEDULE

LOCATION	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SHOULDERS
STATION TO STATION	TON	TON	TON	SQ YD	TON
STA 668+50.0 TO STA 668+90.0	0.05	0.24	10	106.5	2.3
STA 668+90.0 TO STA 669+36.7	0.05	0.27	18		4.4
STA 671+43.4 TO STA 671+85.0	0.05	0.25	16		4.0
STA 671+85.0 TO STA 672+25.0	0.05	0.24	10	106.5	2.3
TOTAL	0.2	1	54	213	13

TEMPORARY RAMP SCHEDULE

LOCATION	WIDTH FOOT	LENGTH FOOT	TEMPORARY RAMP SQ YD
STA 669+36.65	32	10	36
STA 671+43.36	32	10	36
TOTAL			72

ROW MARKERS SCHEDULE

LOCATION	FURNISHING & ERECTING RIGHT-OF-WAY MARKERS		
STATION	OFFSET	SIDE	EACH
STA 665+75.07	49.29	LT	1
STA 667+50.04	50.76	RT	1
STA 668+00.08	84.23	LT	1
STA 668+50.04	60.79	RT	1
STA 669+25.78	84.19	LT	1
STA 670+77.74	118.05	LT	1
STA 671+65.07	59.12	LT	1
STA 673+50.04	60.94	RT	1
STA 673+50.07	59.09	LT	1
STA 674+50.04	40.97	RT	1
STA 674+50.07	39.03	LT	1
TOTAL			11

STAGING SCHEDULE

LOCATION	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4"	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANG)	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	TEMPORARY RUMBLE STRIP	TEMPORARY PAVEMENT MARKING LINE - 6"	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE)	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE)
	SQ YD	FOOT	FOOT	FOOT	EACH	FOOT	EACH	EACH
STAGE I	262	2	390		6	390	2	
STAGE II			20	390		410		2
TOTAL	262	2 *	410	390	6	800	2	2

* NOT A TOTAL QUANTITY - SEE GUARDRAIL SCHEDULE.

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A	TRAFFIC BARRIER TERMINAL, TYPE 1, SPC (TANGENT)	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 2	GUARDRAIL MARKERS, TYPE A	BARRIER WALL MARKERS, TYPE C	TERMINAL MARKER - DIRECT APPLIED
	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
EASTBOUND							5	3	
WESTBOUND							8	3	
NW QUADRANT	140	62.5		1	1				1
NE QUADRANT	190	75	1	1	1	1			2
SW QUADRANT	100	12.5	1		1				1
SE QUADRANT	150	62.5	1		1				1
TOTAL	580	212.5	3 *	2	4	1	13	6	5

* NOT A TOTAL QUANTITY - SEE STAGING SCHEDULE.

DATE = 08/17/03
SCALE = AS SHOWN
REFERENCE = 08/17/03

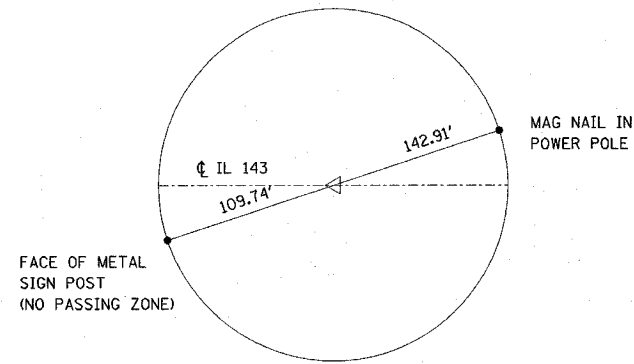
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

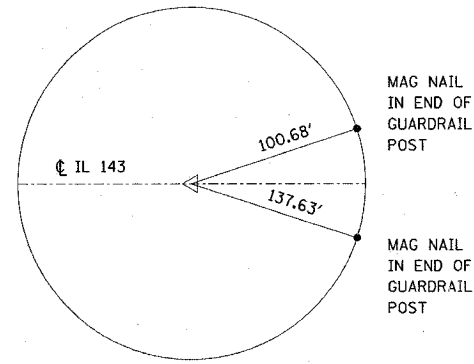
SCHEDULE OF QUANTITIES

FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

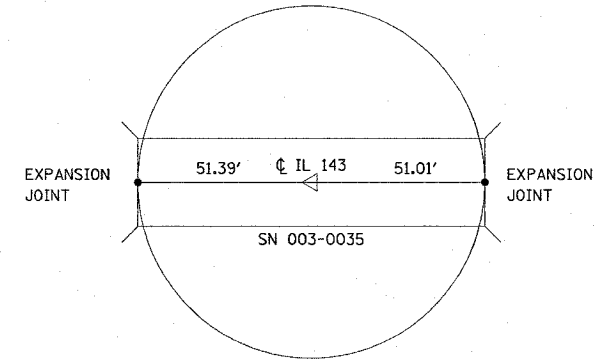
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



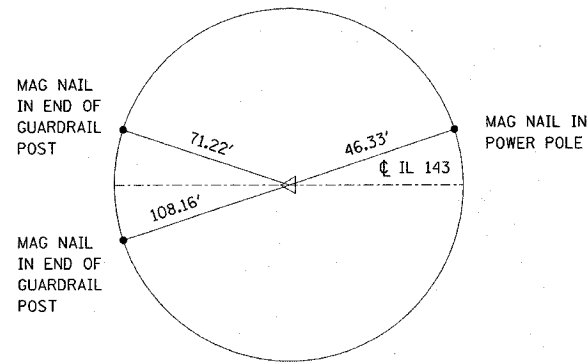
TIE POINT
MAG NAIL
STA 663+80



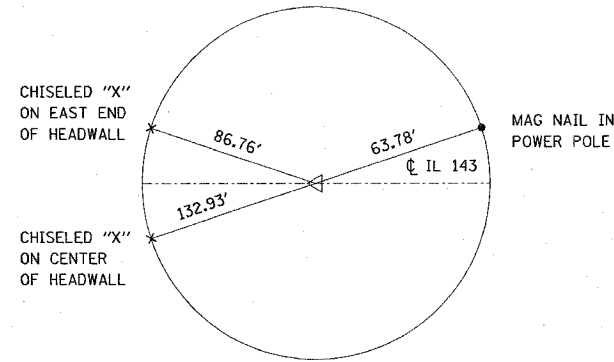
TIE POINT
MAG NAIL
STA 667+00



TIE POINT
MAG NAIL
STA 670+40.15



TIE POINT
MAG NAIL
STA 674+00



TIE POINT
MAG NAIL
STA 676+69.07

TEMPORARY BENCHMARKS

- TBM 13 - CHISELED SQUARE ON TOP OF CONCRETE HEADWALL ON NW CORNER OF IL RT 127 AND IL RT 143. ELEV = 486.687
- TBM 14 - CHISELED SQUARE ON TOP CENTER OF CONCRETE HEADWALL OF BOX CULVERT WITH GUARDRAIL ON THE NORTH SIDE OF IL RT 143, 1.2 MILES WEST OF IL RT 127. ELEV = 473.183

- TBM 15 - CHISELED SQUARE ON TOP OF NW CONCRETE WINGWALL FOR BRIDGE SN 003-0035 OVER BEAVER CREEK. ELEV = 474.912

NOTE: ALL TIES PULLED DIRECT

PLOT DATE = 04/20/08
 FILE NAME = 112BR-2
 PLOT SCALE = 1/8"=1'-0"
 REFERENCE = 0000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TIE POINTS AND BENCHMARKS
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	10
STA. 671+50		TO STA. 676+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



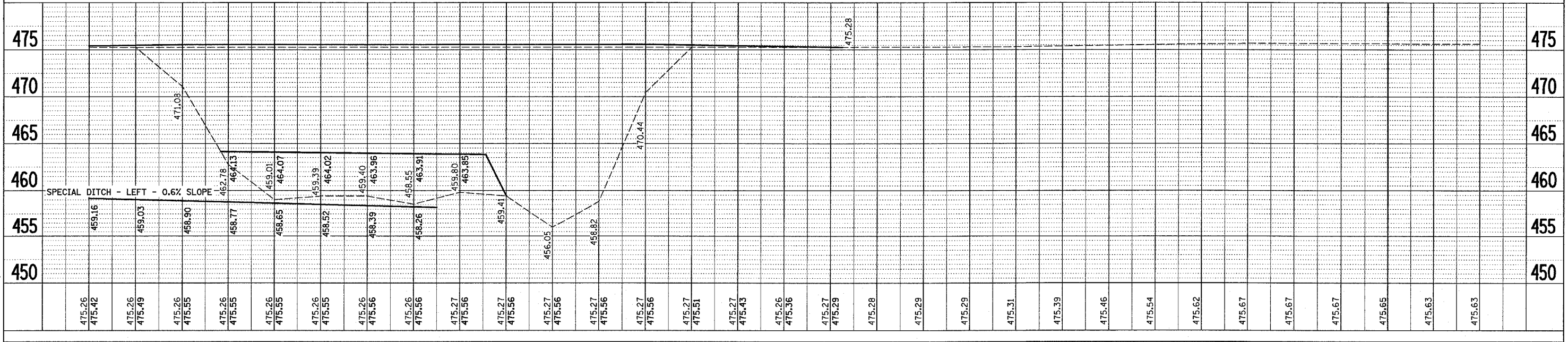
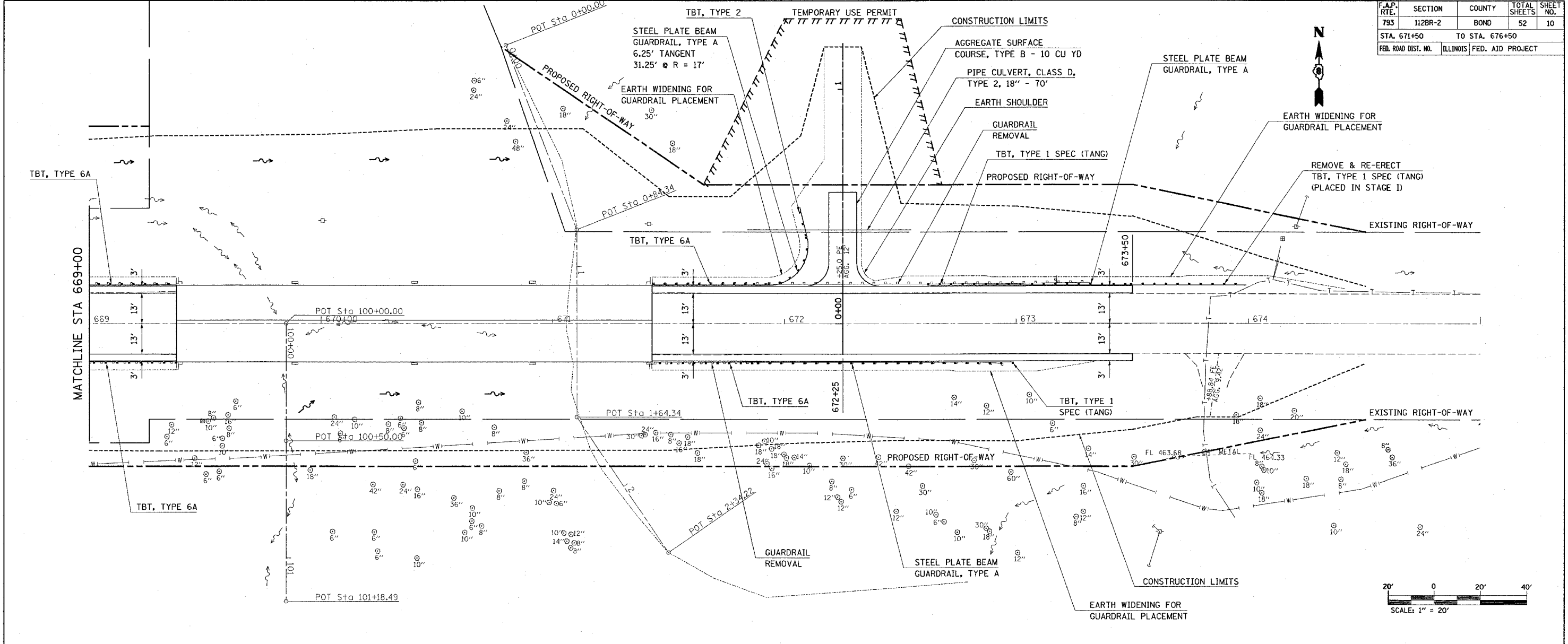
PLAN

SURVEYED	BY	DATE
ALIGNED		
CHECKED		
RT. OF WAY CHECKED		
NO.		

PROFILE

SURVEYED	BY	DATE
GRADES		
CHECKED		
NOTED		
STRUCTURE NOTATIONS CIPFD		
NO.		

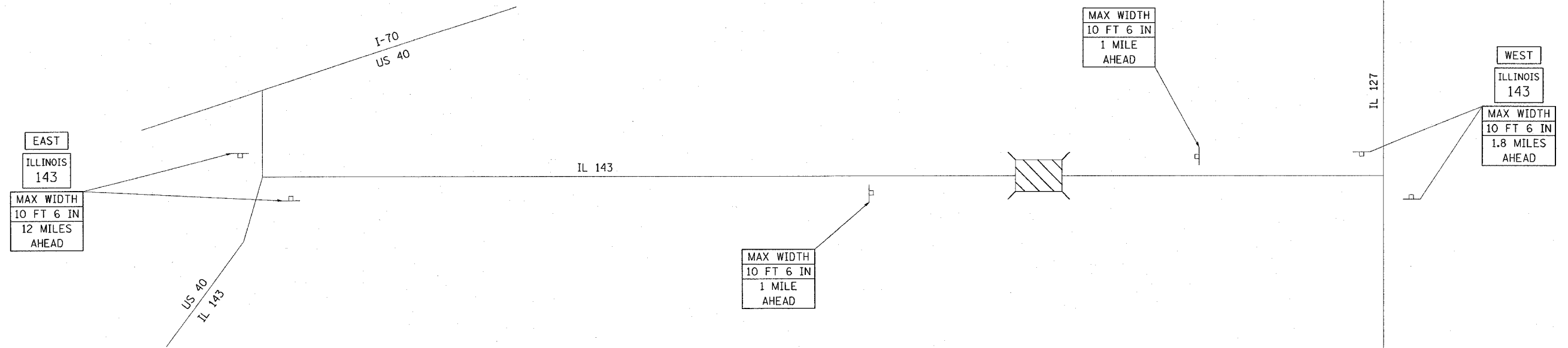
PLOT DATE = 6/12/2007
 FILE NAME = c:\projects\ed83785\plan\p1pr83786_3.dgn
 PLOT SCALE = 20.0000 / IN.
 USER NAME = omeraj



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTES

- ① ALL SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
- ② THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HGTS., AND RETURN THEM UPON COMPLETION OF THE CONTRACT. PLEASE CONTACT JEAN SLAPE AT (618) 346-3289 TO COORDINATE.
- ③ THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE R.E./R.T. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- ④ SIGN SPACING SHALL BE 400' OR TO FIT FIELD CONDITIONS.
- ⑤ THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.



SIGNS REQUIRED		
EAST	(2)	MAX WIDTH 10 FT 6 IN 12 MILES AHEAD (2)
WEST	(2)	MAX WIDTH 10 FT 6 IN 1.8 MILES AHEAD (2)
ILLINOIS 143	(4)	MAX WIDTH 10 FT 6 IN 1 MILE AHEAD (2)





REVISIONS	
NAME	DATE

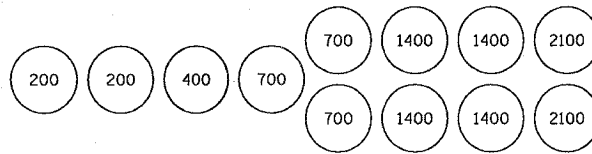
ILLINOIS DEPARTMENT OF TRANSPORTATION
WIDE LOAD SIGNING
FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

PLOT DATE = *DATE*
FILE NAME = *FILE*
PLOT SCALE = *SCALE*
REFERENCE = *REF*

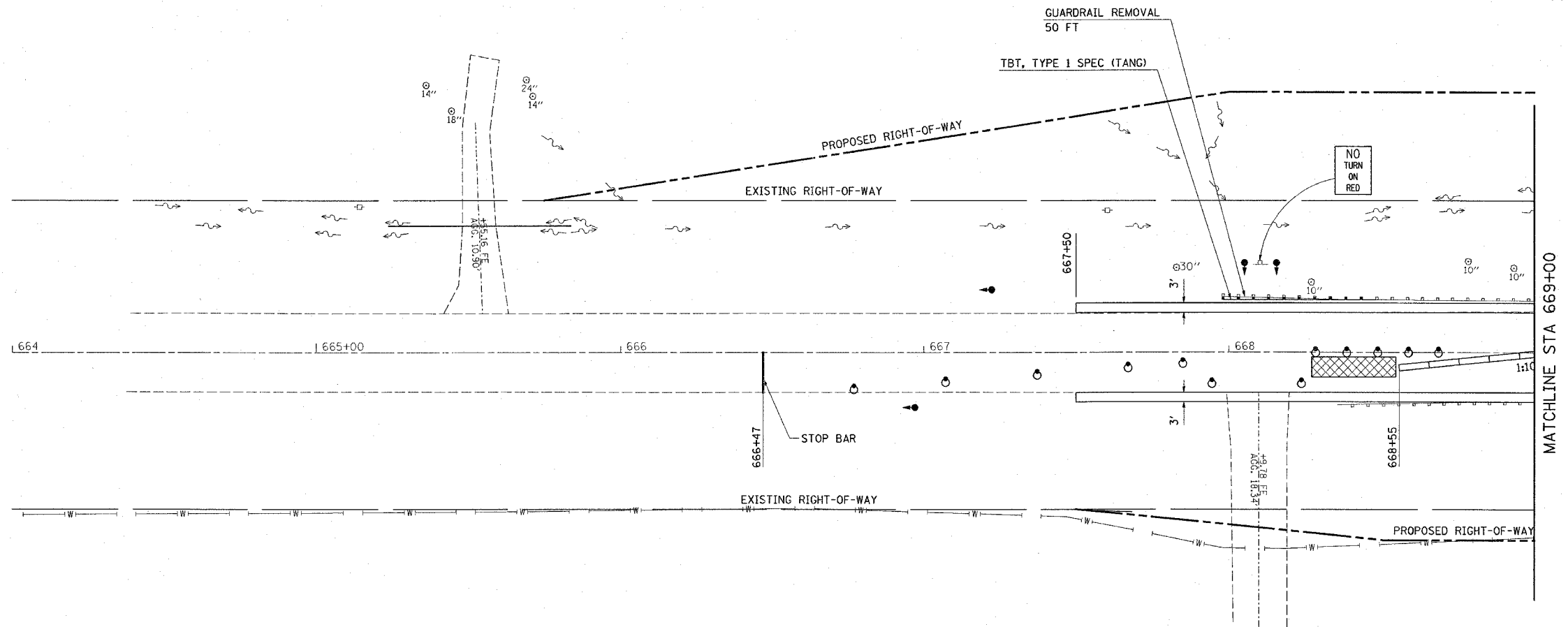
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	12
STA. 665+50		TO STA. 671+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER
-  BARRELS OR BARRICADES WITH STEADY BURNING LIGHT
-  TYPE III BARRICADE

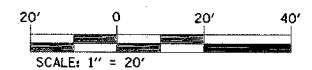


SAND MODULE IMPACT ATTENUATOR LAYOUT (IF OPTION USED)



SEQUENCE OF CONSTRUCTION - STAGE I:

- EARTHWORK NECESSARY FOR GUARDRAIL PLACEMENT MUST BE COMPLETED PRIOR TO STAGE I.
- PLACE "HOT-MIX ASPHALT BASE COURSE WIDENING 10 1/4 INCH" AND "TBT, TYPE I SPEC (TANG)" ON BOTH ENDS OF THE STRUCTURE AS A PRE-STAGE TO STAGE I. BOTH TBT, TYPE I SPECIALS WILL BE REMOVED AND RE-ERECTED IN THEIR FINAL LOCATION DURING STAGE II CONSTRUCTION.
- PLACE STOP BARS AS SHOWN ON PLANS.
- REMOVE CONFLICTING PAVEMENT MARKINGS.
- PLACE 390 FT TEMPORARY CONCRETE BARRIER, AND 2 EACH IMPACT ATTENUATORS, TEMPORARY, (NON-REDIRECTIVE).
- SEE STANDARD 701321 FOR DETAILS NOT SHOWN ON PLANS.
- PERFORM ALL NECESSARY BRIDGE WORK IN STAGE I WORK ZONE.
- REMOVE EXISTING GUARDRAIL ON SOUTH SIDE AND REPLACE WITH PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, TBT, TYPE 6A, AND TBT, TYPE 1 (SPECIAL) TANGENT IN SW AND SE QUADRANTS.



REVISIONS	
NAME	DATE

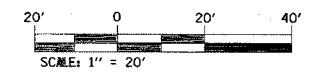
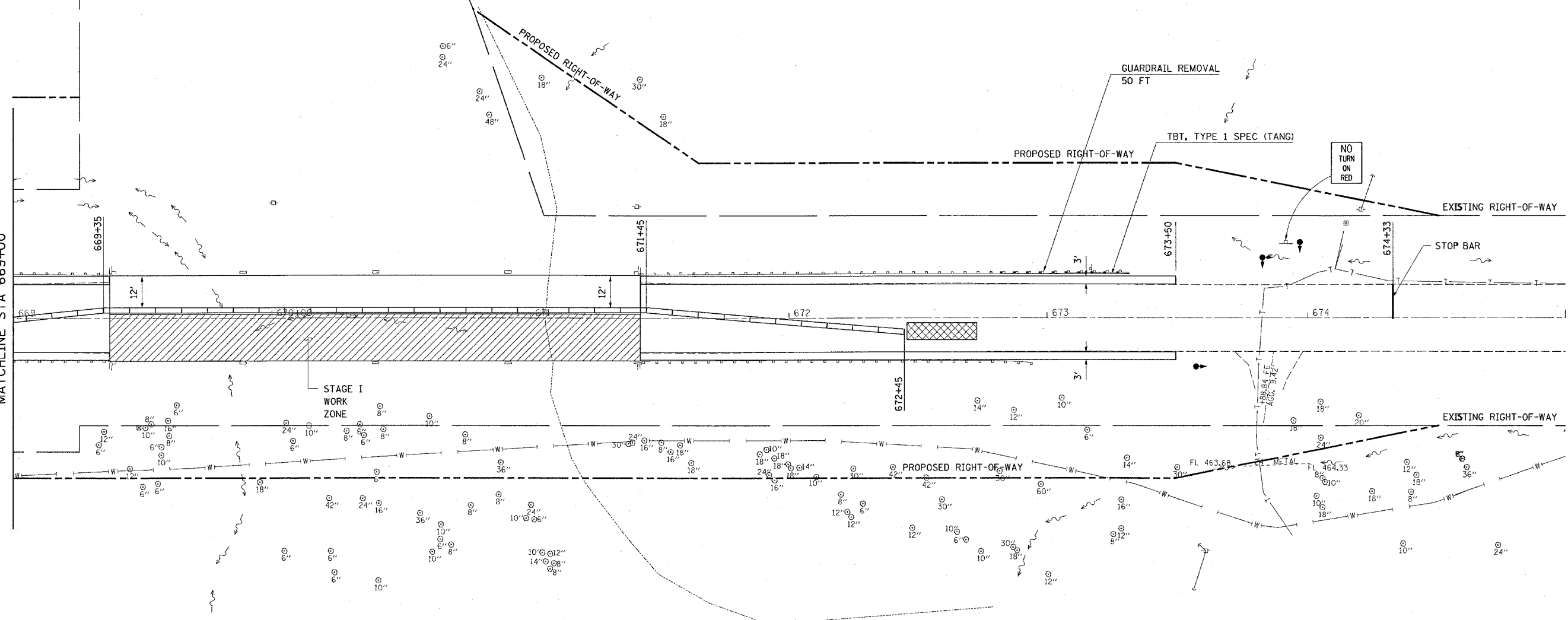
ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I CONSTRUCTION
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

PLOT DATE = 6/12/2007
 FILE NAME = c:\projects\red8785\plan\stg0795.dgn
 PLOT SCALE = 20.0000 / IN
 REFERENCE = REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	13
STA. 671+50 TO STA. 676+50			ILLINOIS FED. AID PROJECT	



MATCHLINE STA 669+00

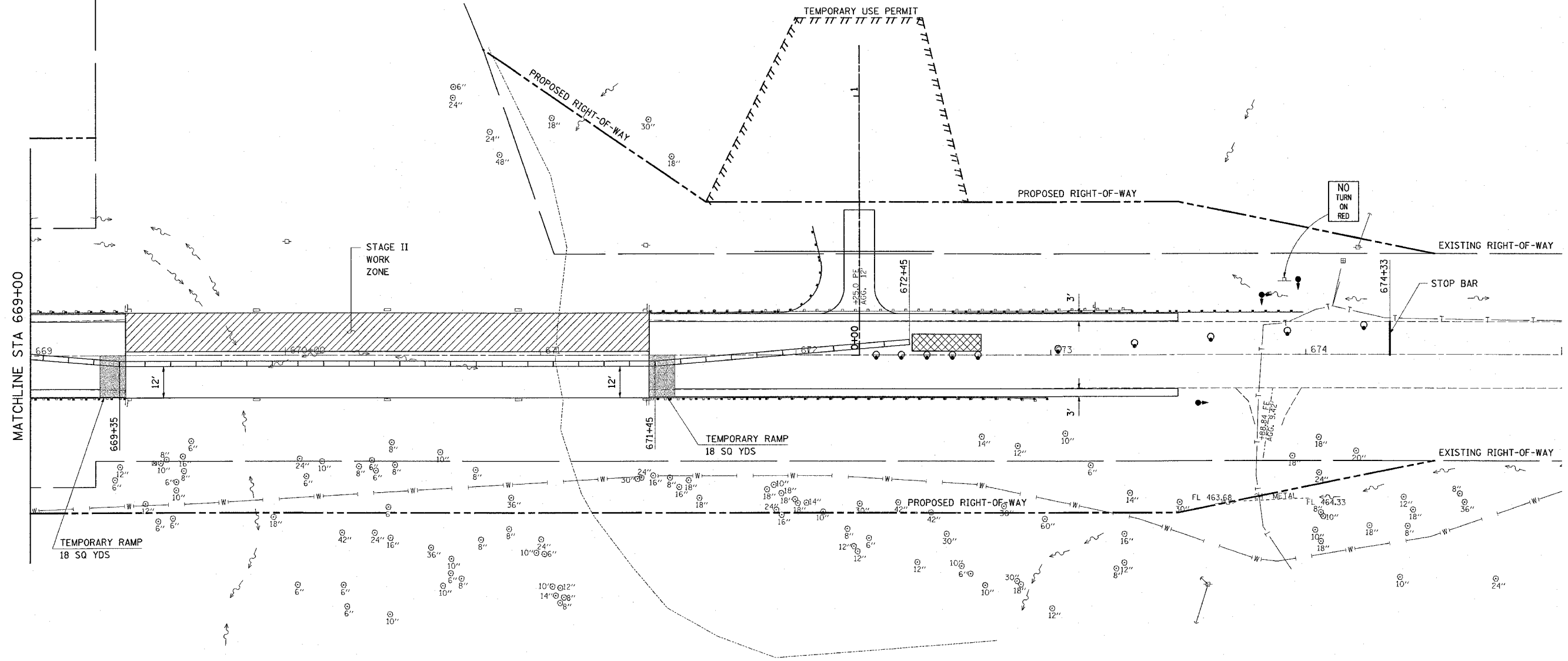


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I CONSTRUCTION
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

PLOT DATE = 6/12/2007
 FILE NAME = c:\projects\76897\plan\stage1\76897.dgn
 PLOT SCALE = 20.0000 / IN
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	15
STA. 671+50		TO STA. 676+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCHLINE STA 669+00

STAGE II
WORK
ZONE

TEMPORARY USE PERMIT

PROPOSED RIGHT-OF-WAY

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

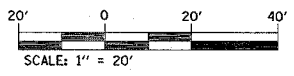
STOP BAR

TEMPORARY RAMP
18 SQ YDS

TEMPORARY RAMP
18 SQ YDS

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE II CONSTRUCTION
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

PLOT DATE = 6/12/2007
 PLOT SCALE = 24.00000 / IN.
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF SUPERSTRUCTURE REPLACEMENT OF THE STRUCTURE CARRYING IL ROUTE 143 OVER BEAVER CREEK
2. CONSTRUCTION WILL ALSO INCLUDE WIDENING FOR STAGE CONSTRUCTION, GUARDRAIL, EARTH EXCAVATION AND EMBANKMENT, CHANNEL EXCAVATION, RIPRAP, AND TREE REMOVAL.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. TREE REMOVAL WITHIN CONSTRUCTION LIMITS DUE TO PROPOSED DITCHES. TREES TO REMAIN WILL BE PROTECTED AGAINST DAMAGE.
2. EXCAVATION AND EMBANKMENT TO GRADE OUT FOR PROPOSED GUARDRAIL AND DITCHES.
3. CHANNEL EXCAVATION AND RIPRAP PLACEMENT.
4. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL, SUCH AS PERMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, TEMPORARY SEEDING, ETC.
5. FINAL GRADING, PAVING, AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS RIPRAP, EROSION CONTROL BLANKET, SEEDING, ETC.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.86 ACRES OF WHICH 1.48 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, STANDARD SPECIFICATIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. BEAVER CREEK

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (a.) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (b.) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (c.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - (d.) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - (e.) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODIBLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - (f.) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Mary C. Janis 5/9/07
 DEPUTY DIRECTOR OF HIGHWAYS DATE
 REGION FIVE ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION PREVENTION PLAN
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (a.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (b.) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
 - (c.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - II. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - V. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
 - VI. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - (d.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - (e.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (f.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (g) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION.
 - (h) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR TEMPORARY EROSION CONTROL SYSTEM.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEDED.




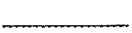

MAINTENANCE AFTER CONSTRUCTION:

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I. D. O. T. FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
2. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE/GEOTEXTILE (SILT WEDGES), EARTH MEDIAN AND/OR OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
3. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FT. FALL/RISE IN DITCH GRADE.
4. TEMPORARY DITCH CHECKS, AGGREGATE - USE GRADING NO. 3, REMOVE AT END OF CONSTRUCTION.
5. CONSTRUCT PERIMETER EROSION CONTROL AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.
6. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES.
7. TEMPORARY SEEDING SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING", WHICH WILL INCLUDE MULCH, IF NEEDED. FOR CALCULATION PURPOSES, THREE APPLICATIONS OF TEMPORARY SEEDING WAS ASSUMED.
8. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
9. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE WITH CLASS 2 SEEDING.

LEGEND

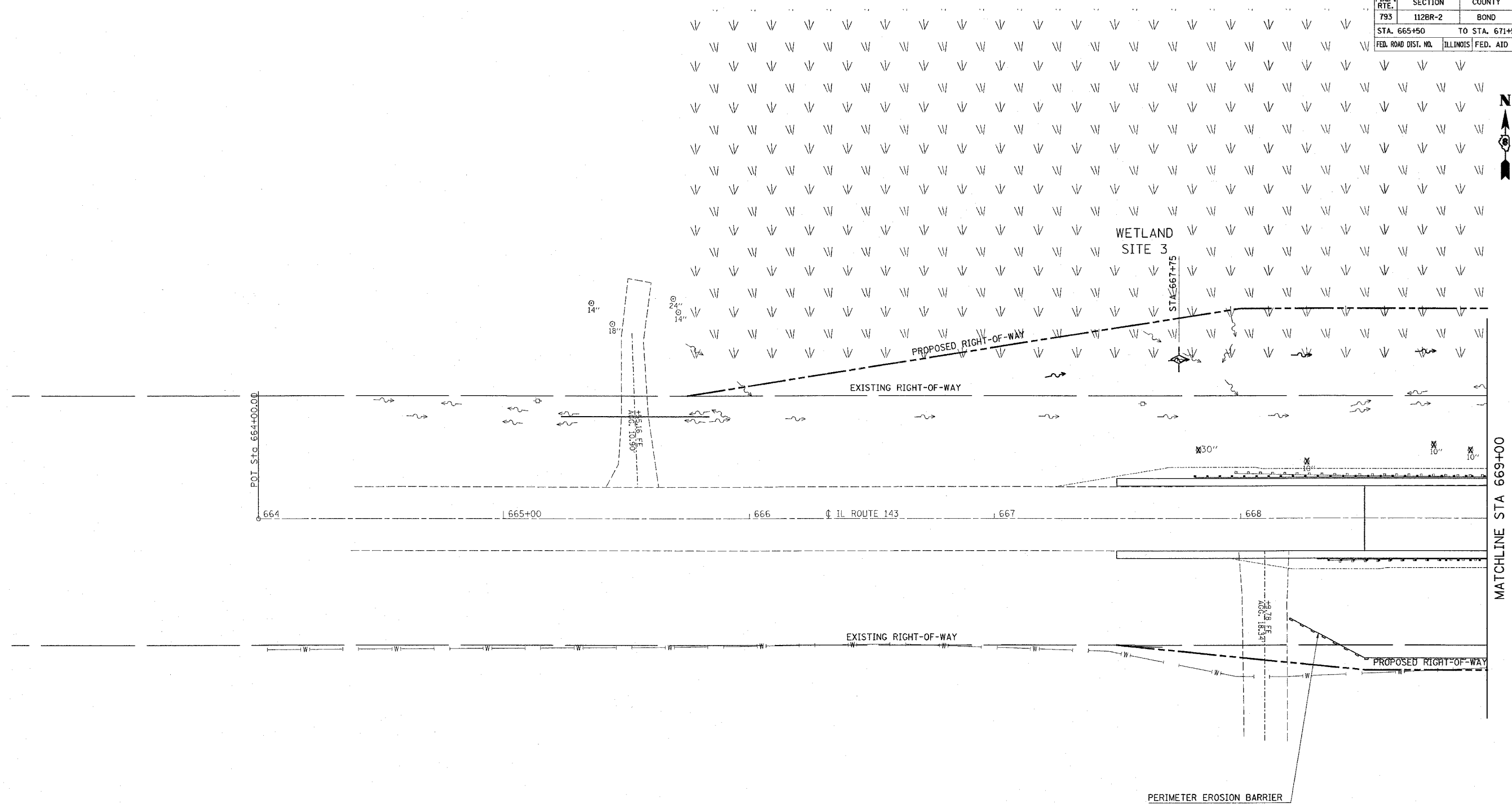
-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK- AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STORM WATER POLLUTION
 PREVENTION PLAN**
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

PLOT DATE = 00/00/00
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	18
STA. 665+50		TO STA. 671+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

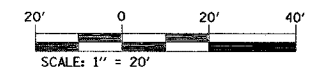


WETLAND - SITE 2:

THIS OLD STREAM CHANNEL IS LOCATED IMMEDIATELY SOUTH OF IL ROUTE 143 AND ABOUT 65 FT WEST OF BEAVER CREEK. THE SITE POSSESSES HYDRIC SOIL AND WETLAND VEGETATION. THEREFORE, THIS SITE IS A WETLAND.

WETLAND - SITE 3:

THIS FLOODPLAIN FOREST IS LOCATED ABOUT 60 FT NORTH OF IL ROUTE 143 AND ABOUT 95 FT WEST OF BEAVER CREEK. THE SITE POSSESSES HYDROPHYTIC VEGETATION, HYDRIC SOIL AND WETLAND HYDROLOGY. THEREFORE, THIS SITE IS A WETLAND.



REVISIONS	
NAME	DATE

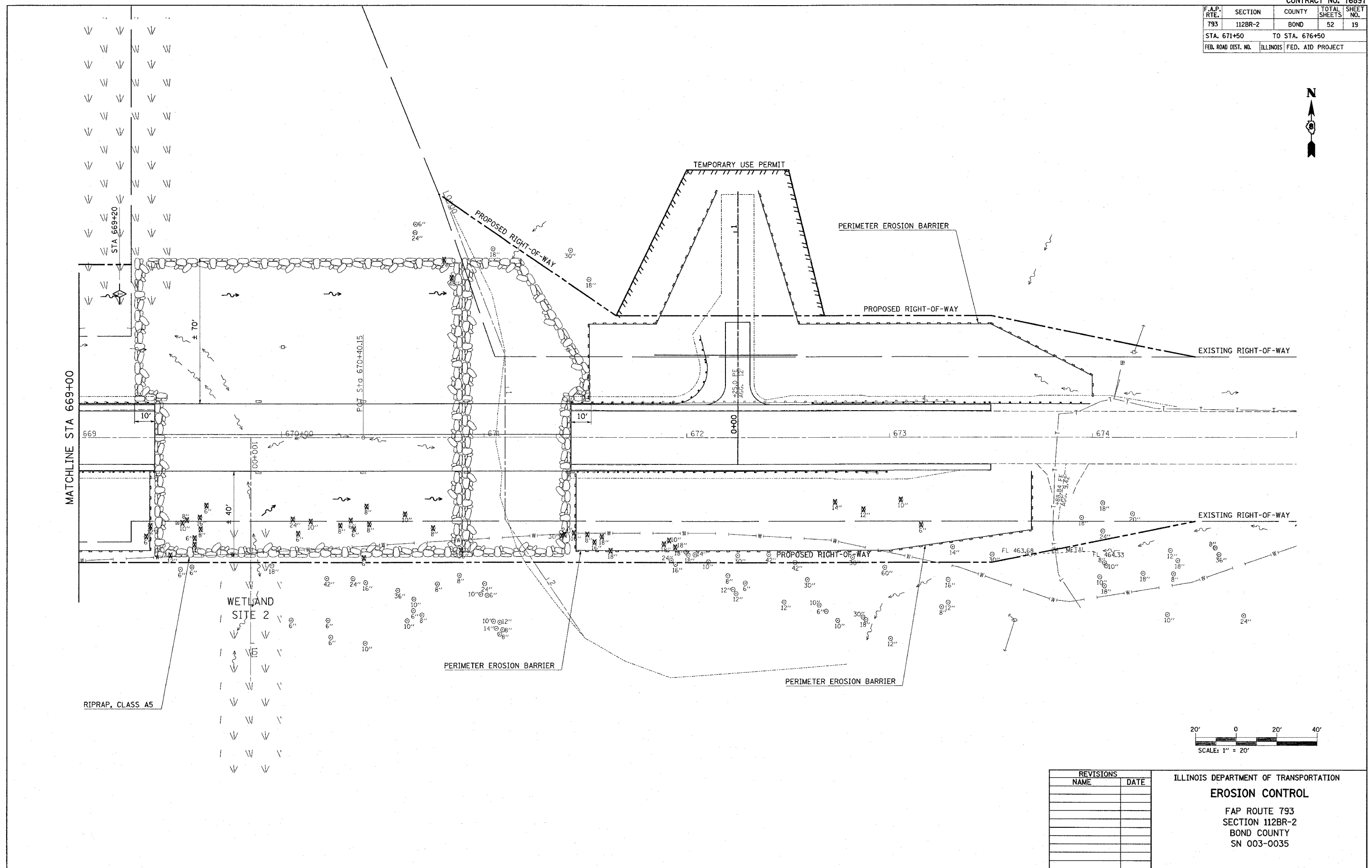
ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL

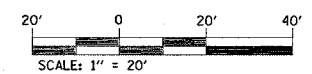
FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

PLOT DATE = 6/22/2007
 FILE NAME = c:\Users\james\Documents\76897\plan\p180376897.dgn
 PLOT SCALE = 20,0000 / IN.
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	19
STA. 671+50		TO STA. 676+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 6/12/2007
 FILE NAME = c:\p\proj\sta\67150\plan\p1-d3705.dgn
 SCALE = 1" = 20'
 REFERENCE = 4852



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND		22
STA. 664+00	TO STA. 676+70			
CONTRACT NO.: 76897				

LEGEND

- QUARTER SECTION CORNER
- SECTION CORNER
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- EXISTING BUILDING

- STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF KENTUCKY)
 COUNTY OF McCRACKEN) SS

I, RONALD S. BACON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED Dec 12, 2006
Ronald S. Bacon
 RONALD S. BACON, PLS NO. 035-003586
 LICENSE EXPIRATION DATE: 11/30/2008



GEOTECH
 ENGINEERING & TESTING, INC.

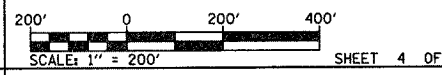
500 South 17th Street Paducah, Kentucky 42003
 Phone: (270) 443-1995
 Fax: (270) 443-1904

401 North Market Marion, IL 62959
 Phone: (618) 997-9190

REGISTRATION NO. 184-003258

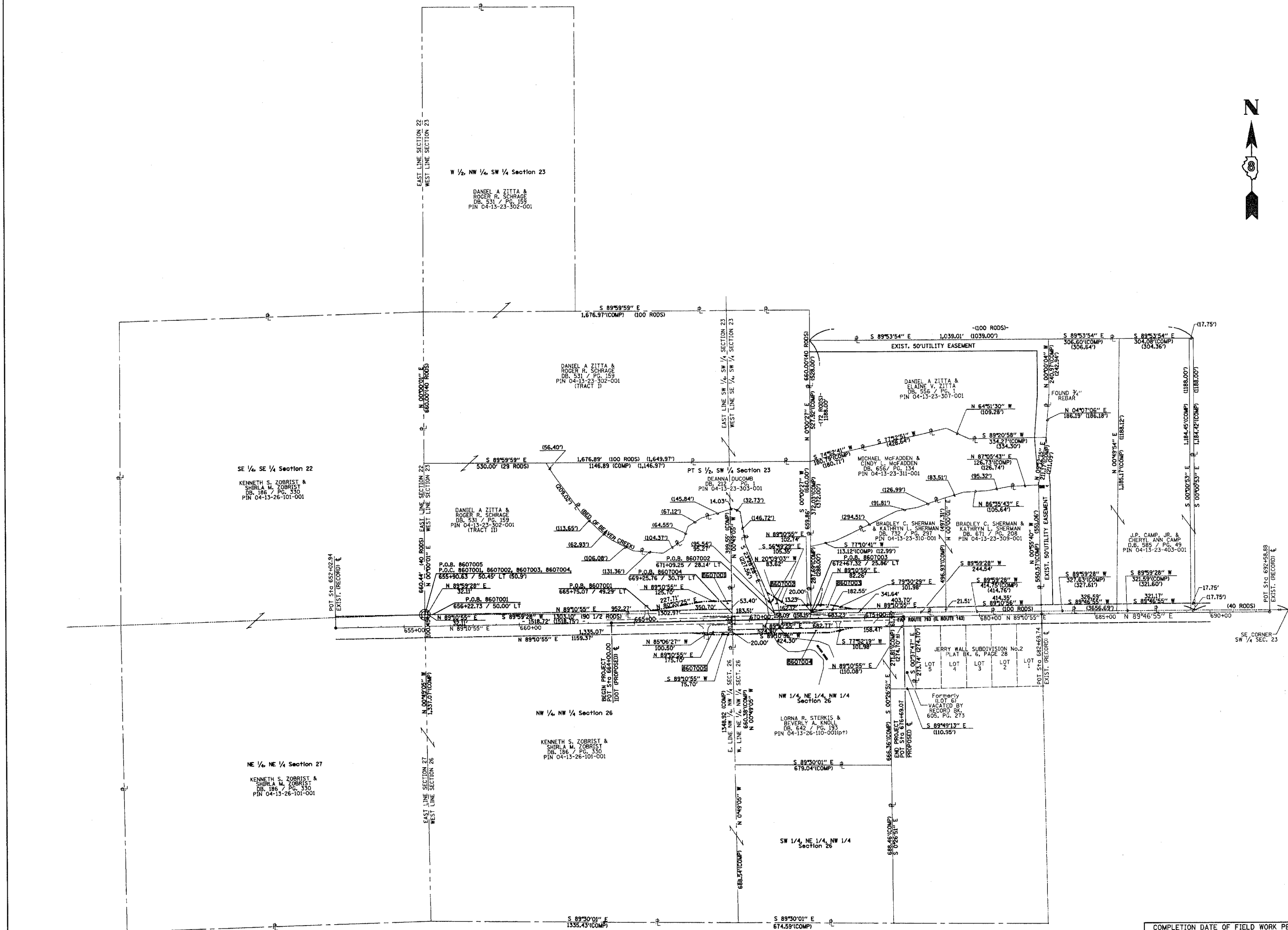
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
 FAP ROUTE 793 (IL ROUTE 143)
 SECTION 112BR-2
 BOND COUNTY
 JOB NO. R-98-007-06
 TOTAL HOLDING SHEET



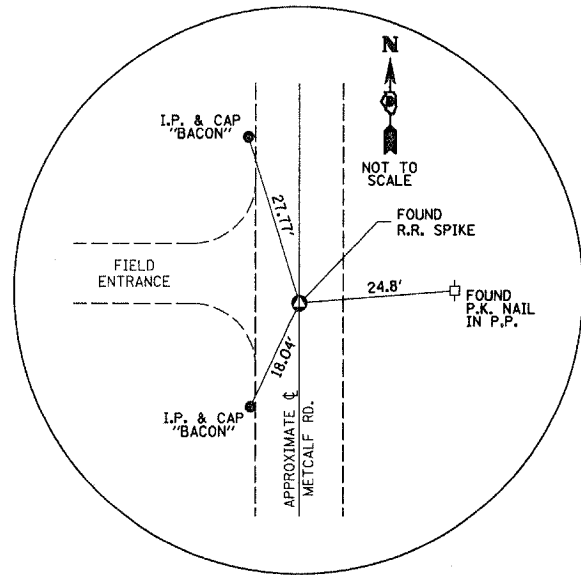
COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 8/29/06
 RIGHT OF WAY STAKING: 11/1/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198
 SHEET 4 OF 4
 SHEET 1 IS A COVER SHEET

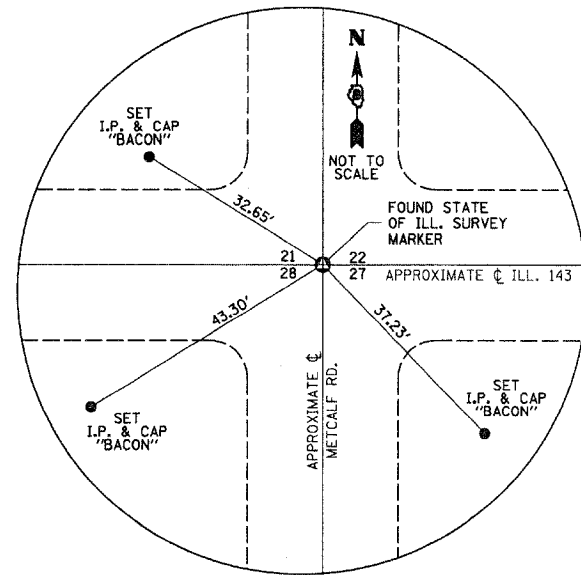


FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND		2
STA. N/A	TO STA. N/A			
CONTRACT NO.: 76897				

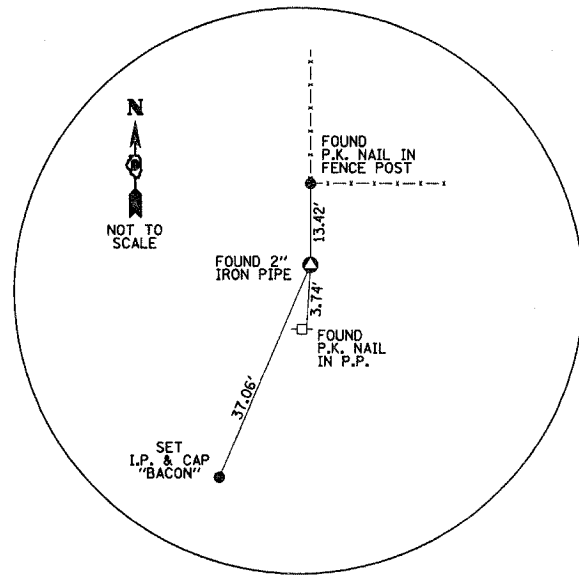
**MONUMENT RECORD
SECTION CORNER CONTROL TIES**



MON. REC.: BOOK 734, PAGE 289
FILED: NOVEMBER 3, 2006
S.E. CORNER, N.E. 1/4 SECTION 21
N 769487.9393 E 507199.1260

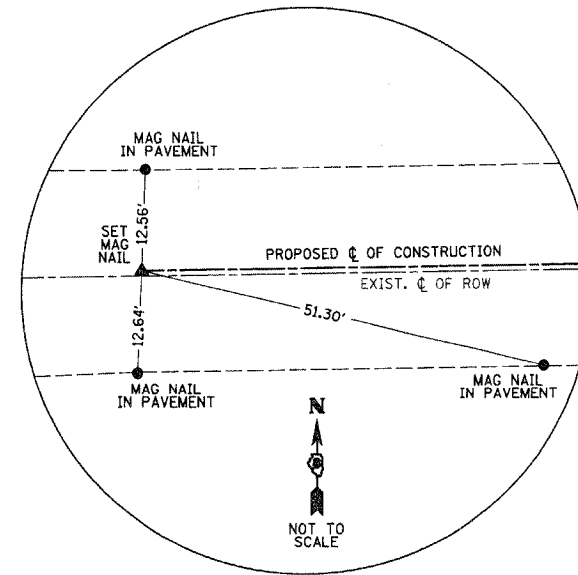


MON. REC.: BOOK 734, PAGE 288
FILED: NOVEMBER 3, 2006
S.E. CORNER, SECTION 21
N 766803.8589 E 507227.0045

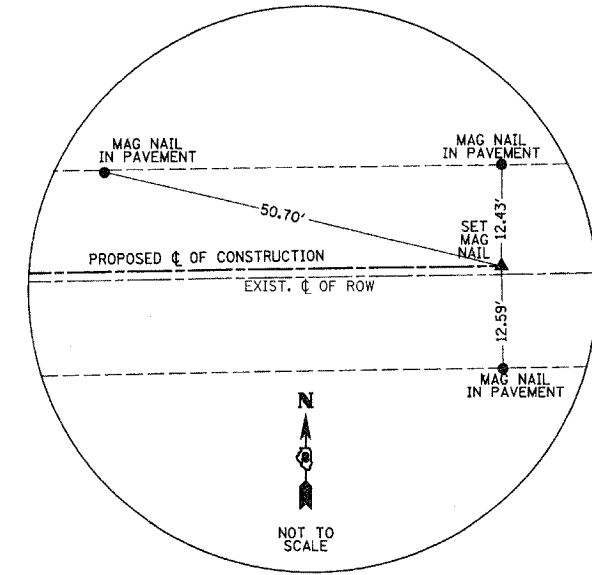


MON. REC.: BOOK 734, PAGE 287
FILED: NOVEMBER 3, 2006
S.W. CORNER, SECTION 23
N 766961.5392 E 512601.9545

PROPOSED CENTERLINE OF CONSTRUCTION CONTROL TIES



BEGIN OF PROJECT
P.O.T. STA. 664+00.00 PROPOSED C OF CONSTRUCTION
FAP ROUTE 793 / IL RT. 143
SET MAGNAIL



END OF PROJECT
P.O.T. STA. 676+69.07 PROPOSED C OF CONSTRUCTION
FAP ROUTE 793 / IL RT. 143
SET MAGNAIL

STATE OF KENTUCKY)
) SS
COUNTY OF McCRACKEN

I, RONALD S. BACON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION SHOWN HEREON.

DATED: 08/29/06
Ronald S. Bacon
RONALD S. BACON, PLS NO. 035-003586
LICENSE EXPIRATION DATE: 11/30/2008



GEOTECH
ENGINEERING & TESTING, INC.

500 South 17th Street Paducah, Kentucky 42003 Phone: (270) 443-1895 Fax: (270) 443-1904
401 North Market Marion, IL 62950 Phone: (618) 997-9190

REGISTRATION NO. 184-003258

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 793 (IL ROUTE 143)
SECTION 112BR-2
BOND COUNTY
JOB NO. R-98-007-06
TIE SHEET



COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 8/29/06
RIGHT OF WAY STAKING: 11/1/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINGSVILLE, ILLINOIS 62234-6198

SHEET 1 IS A COVER SHEET

SPACE RESERVED FOR RECORDING OFFICER

NO. DATE DESCRIPTION BY

PART OF THE SW 1/4 OF SECTION 23, T4N, R3W, OF THE 3RD PM, BOND COUNTY, ILLINOIS

CONTRACT NO. 76897

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	23A
STA. 671+50		TO STA. 676+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

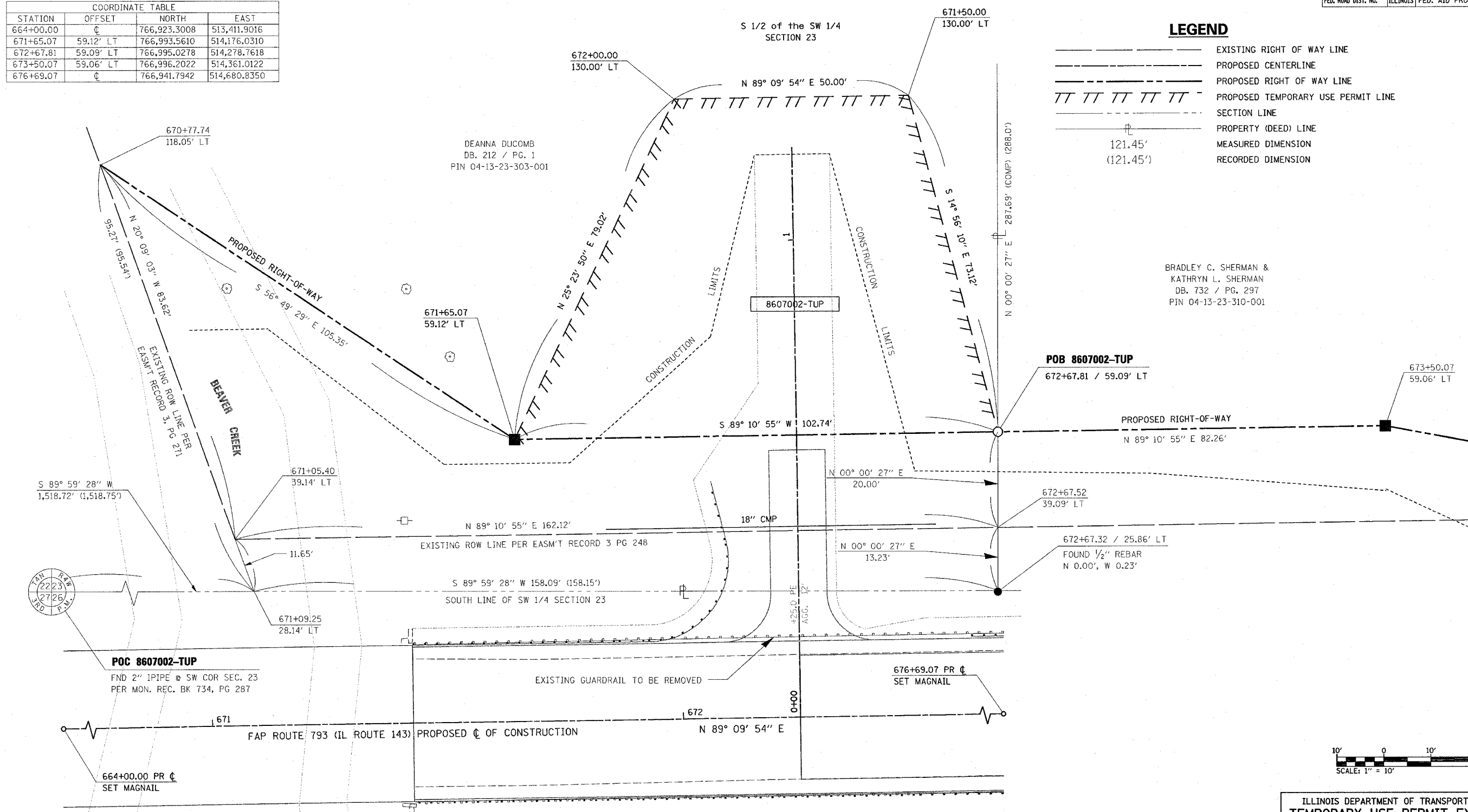
COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	NORTH	EAST
664+00.00	CL	766,923.3008	513,411.9016
671+65.07	59.12' LT	766,993.5610	514,176.0310
672+67.81	59.09' LT	766,995.0278	514,278.7618
673+50.07	59.06' LT	766,996.2022	514,361.0122
676+69.07	CL	766,941.7942	514,680.8350

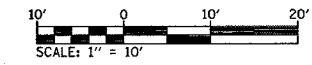
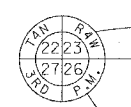


LEGEND

- EXISTING RIGHT OF WAY LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- TT TT TT TT TT PROPOSED TEMPORARY USE PERMIT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45' MEASURED DIMENSION
- (121.45') RECORDED DIMENSION



BRADLEY C. SHERMAN &
KATHRYN L. SHERMAN
DB. 732 / PG. 297
PIN 04-13-23-310-001



PARCEL NO.	OWNER	TUP AREA	PERMANENT TAX NUMBER	TUP PURPOSE	PROPERTY ACQUIRED BY
8607002-TUP	DEANNA DUCOMB DB. 212, PG. 1 TITLE COMMITMENT NUMBER BD-41	5,415± SQ FT 0.1243± ACRES	04-13-23-303-001	ENTRANCE CONSTRUCTION	

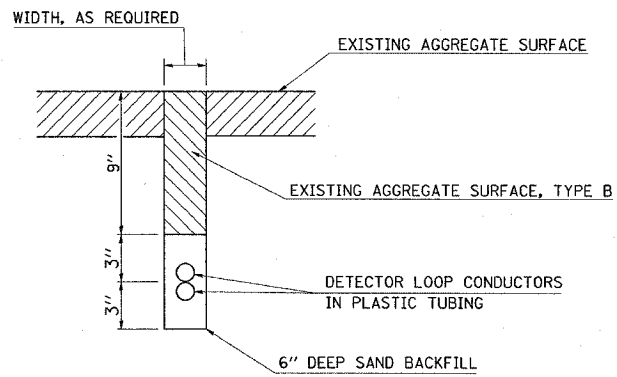
ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY USE PERMIT EXHIBIT
FAP ROUTE 793 (IL 143)
SECTION 112BR-2
BOND COUNTY
JOB NO. R-98-007-06
STATION 671+00 TO STATION 673+00

SHEET 1 OF 1

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

PLOT DATE = 6/3/2007
 PLOT SCALE = 20.0000"
 REFERENCE = BREF#

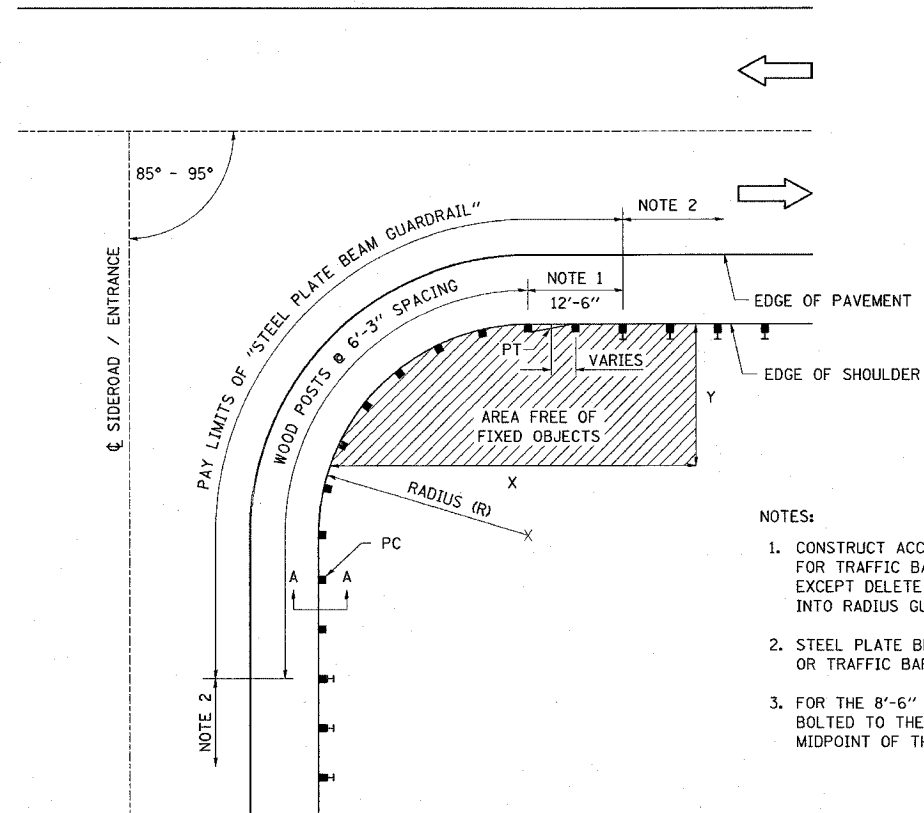
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DETAIL
DETECTOR LOOP INSTALLED IN TRENCH

INSTALLATION IS TO BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLANS AND SECTION 886 OF THE STANDARD SPECIFICATIONS WITH THE FOLLOWING EXCEPTIONS:

1. SLOTS ARE TO BE TRENCHED INSTEAD OF SAWED.
2. THIS WORK SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.

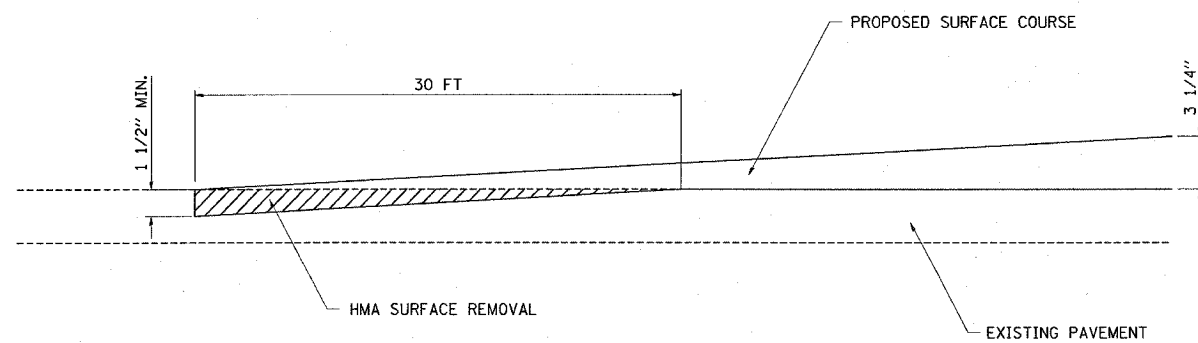


PLAN VIEW SHORT RADIUS GUARDRAIL DETAIL

NOT TO SCALE

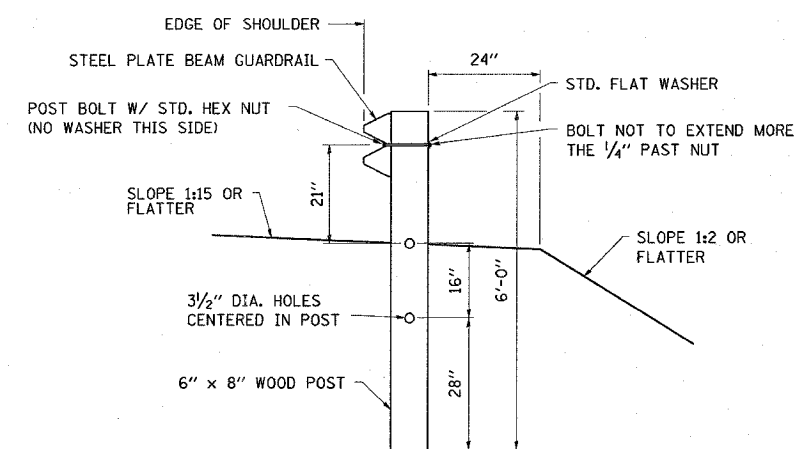
NOTES:

1. CONSTRUCT ACCORDING TO STANDARD 631011 FOR TRAFFIC BARRIER TERMINAL TYPE 2, EXCEPT DELETE END SECTION AND SPLICE INTO RADIUS GUARDRAIL.
2. STEEL PLATE BEAM GUARDRAIL TYPE A, TYPE B, OR TRAFFIC BARRIER TERMINAL AS SPECIFIED.
3. FOR THE 8'-6" RADIUS, THE RAIL IS NOT BOLTED TO THE POST LOCATED AT THE MIDPOINT OF THE CURVE.



BUTT JOINT DETAIL

NOTE: BUTT JOINT WIDTH SHALL INCLUDE SHOULDERS.



SECTION A-A

NOT TO SCALE

R	NO. OF WOOD POSTS	X	Y
8'-6"	5 (NOTE 3)	25'	15'
17'-0"	6	30'	15'
25'-6"	8	40'	20'
35'-0"	11	50'	20'

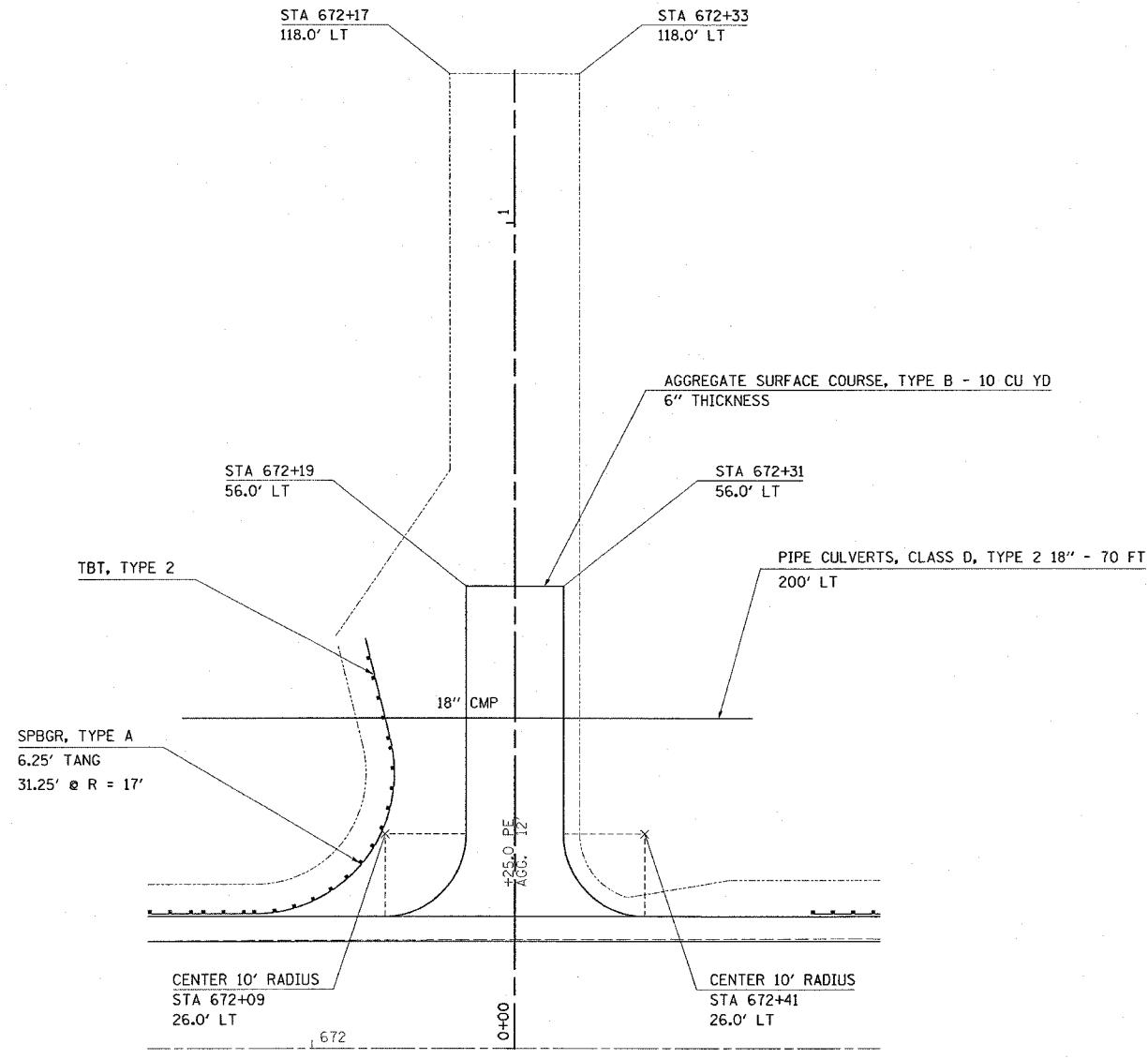
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

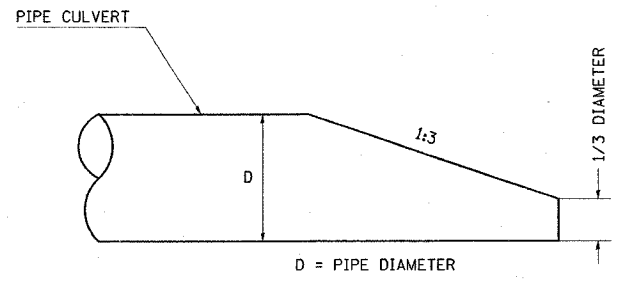
MISCELLANEOUS DETAILS

FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED ENTRANCE DETAIL
STA 672+25 LT



ENTRANCE CULVERT
BEVELED END SECTION DETAIL

THE BEVELED END PORTION SHALL BE INCLUDED
IN THE UNIT PRICE PER FOOT FOR THE PIPE CULVERT

PLOT DATE = 6/12/2007
 FILE NAME = c:\projects\112br\112br\plan\p1n03785.dgn
 PLOT SCALE = 80.0000 / 1" = 80.00'
 REFERENCE = N/A

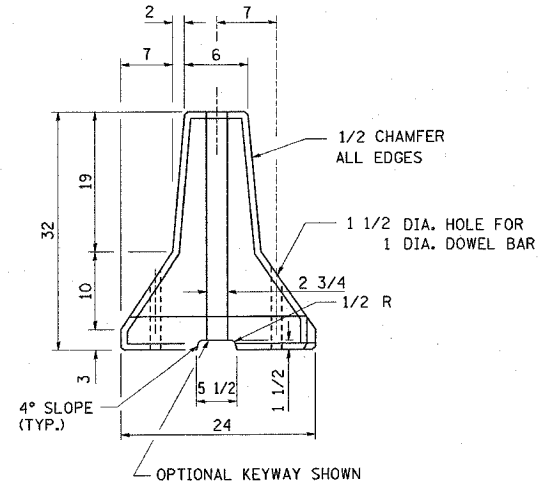
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

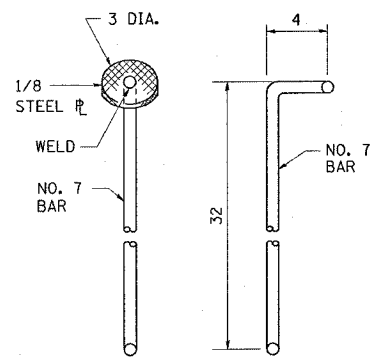
MISCELLANEOUS DETAILS

FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

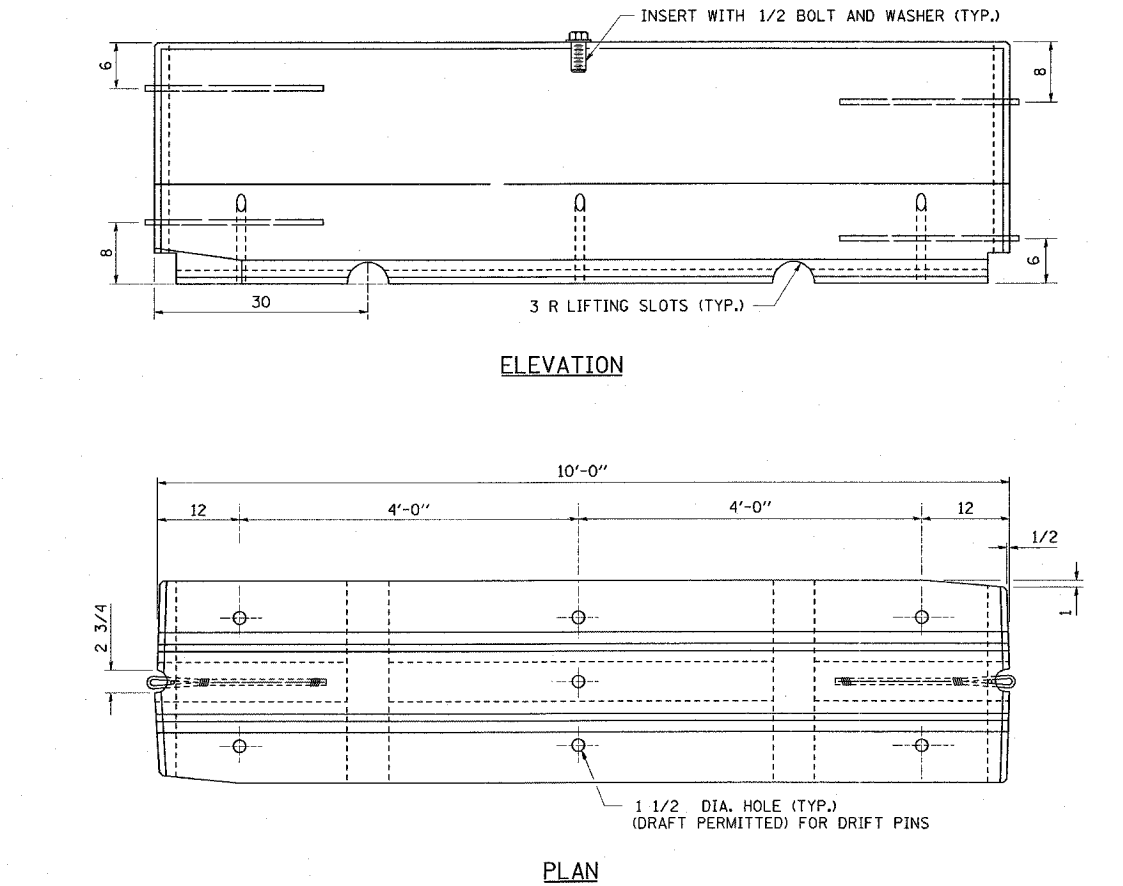
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



END VIEW
(WITHOUT WIRE ROPE LOOPS)

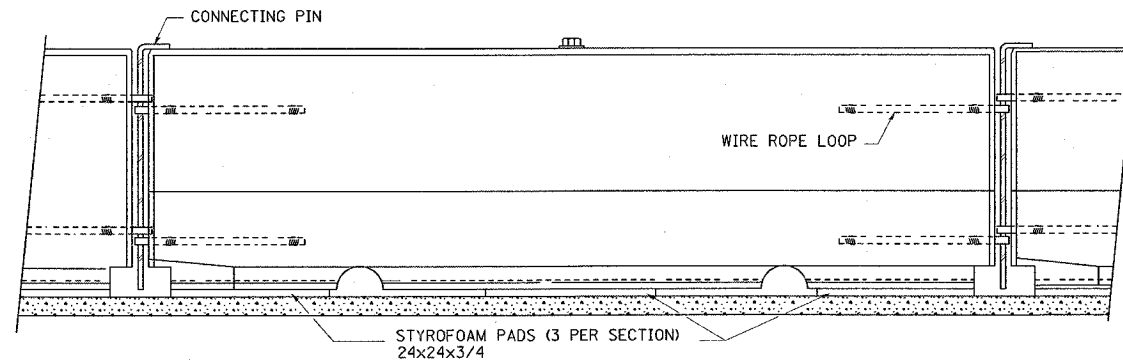


ALTERNATE CONNECTING PINS



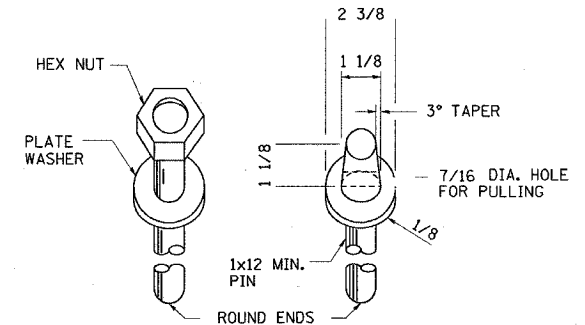
ELEVATION

PLAN



TYPICAL INSTALLATION WITH STYROFOAM PADS

TEMPORARY CONCRETE BARRIER
NJ SHAPE DESIGN



DOWEL BARS

NOTES:
NEW JERSEY (NJ) SHAPE BARRIER SHALL NOT BE PRODUCED AFTER OCTOBER 1, 2002. HOWEVER, NEW JERSEY SHAPE BARRIER PRODUCED PRIOR TO OCTOBER 1, 2002 MAY BE USED UNTIL JANUARY 1, 2008.

THE NJ SHAPE BARRIER UNITS SHALL BE SEATED ON STYROFOAM PADS EXCEPT WHEN THEY ARE ANCHORED.

NJ SHAPE DOWEL BARS SHALL BE EMBEDDED AT LEAST 8 INCHES INTO THE PAVEMENT, AND SHALL NOT PROJECT ABOVE THE OUTER SURFACE OF THE BARRIER. THE CONNECTING PIN FOR THE NJ SHAPE PIN AND LOOP CONNECTION, MAY BE EITHER A PLAIN 7/8 INCH DIAMETER OR A DEFORMED NO. 7 BAR MEETING THE REQUIREMENTS OF ARTICLE 1006.10(b) EXCEPT GRADE 60 BARS SHALL BE USED.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE

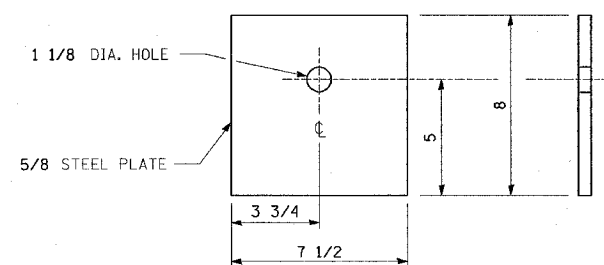
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

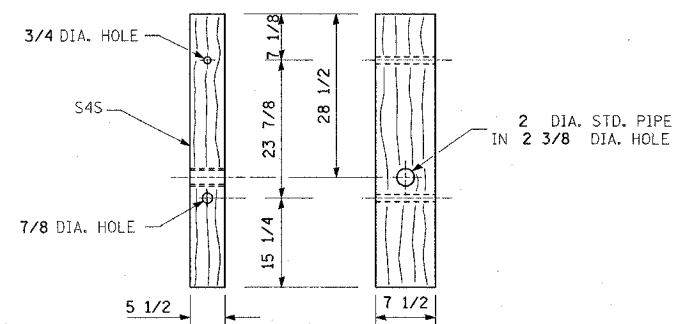
FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

PLOT DATE = *DATE*
FILE NAME = *FILEL*
PLOT SCALE = *SCALE*
REFERENCE = *REF*

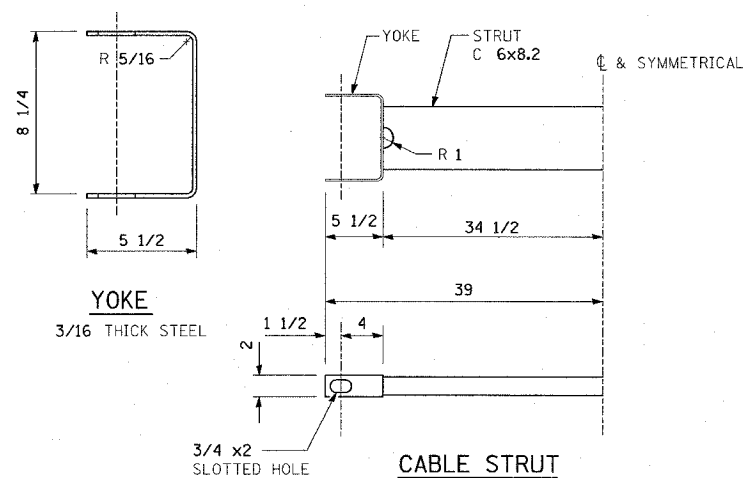
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	26A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BEARING PLATE K

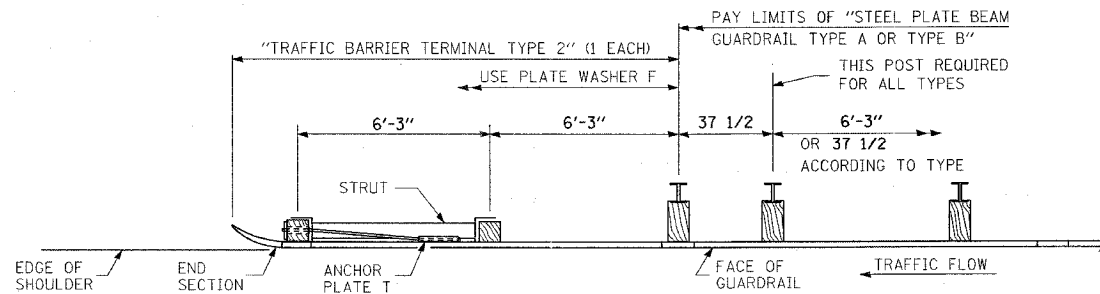


WOOD POST

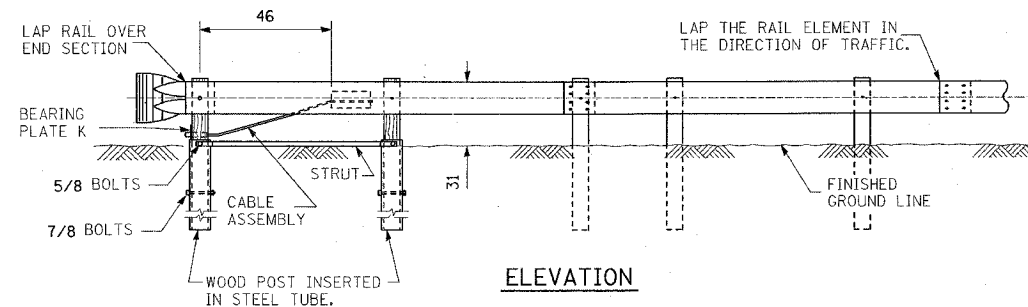


YOKE

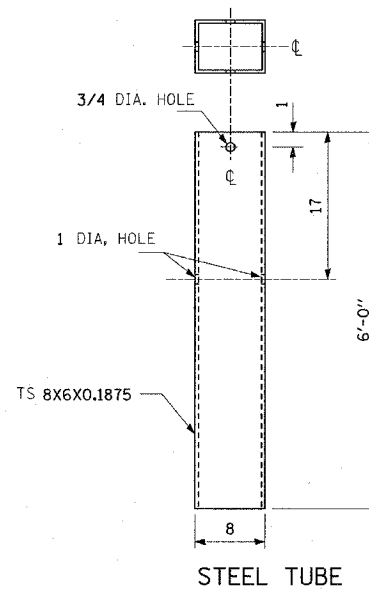
CABLE STRUT



PLAN



ELEVATION



STEEL TUBE

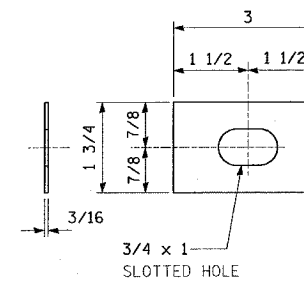


PLATE WASHER F

GENERAL NOTES

SEE STANDARD 630001 FOR DETAILS OF GUARDRAIL NOT SHOWN.

THE BEARING PLATE K SHALL BE HELD IN POSITION BY TWO (2) EIGHT PENNY NAILS DRIVEN INTO THE POST AND BENT OVER THE TOP OF THE PLATE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

TRAFFIC BARRIER TERMINAL, TYPE 2

REVISIONS	
NAME	DATE

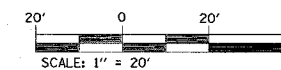
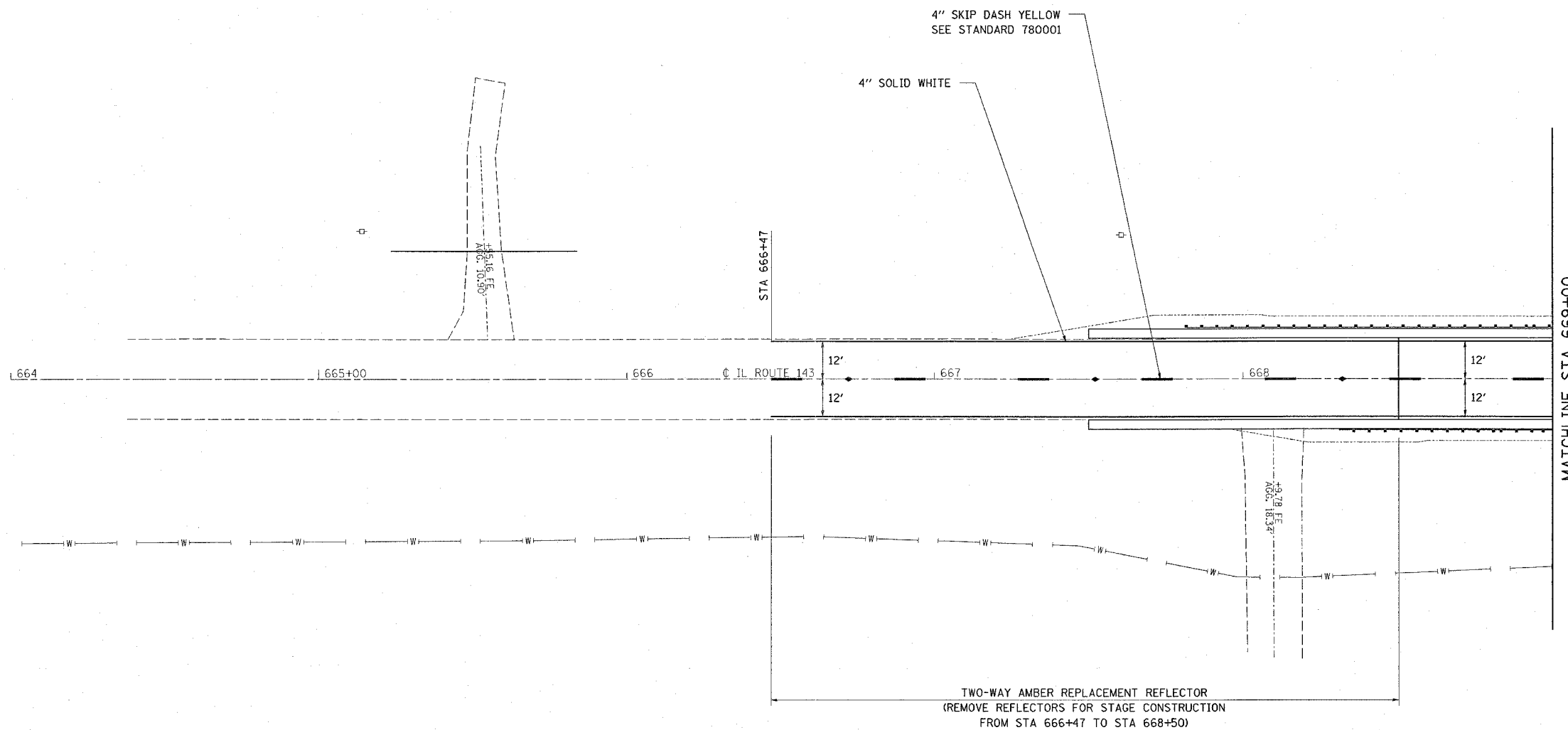
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

FAP ROUTE 793
SECTION 112BR-2
BOND COUNTY
SN 003-0035

PLOT DATE = 6/12/2007
FILE NAME = c:\projects\112br2\112br2\112br2.dgn
PLOT SCALE = 1/8" = 1'-0"
REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	27
STA. 665+50		TO STA. 671+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

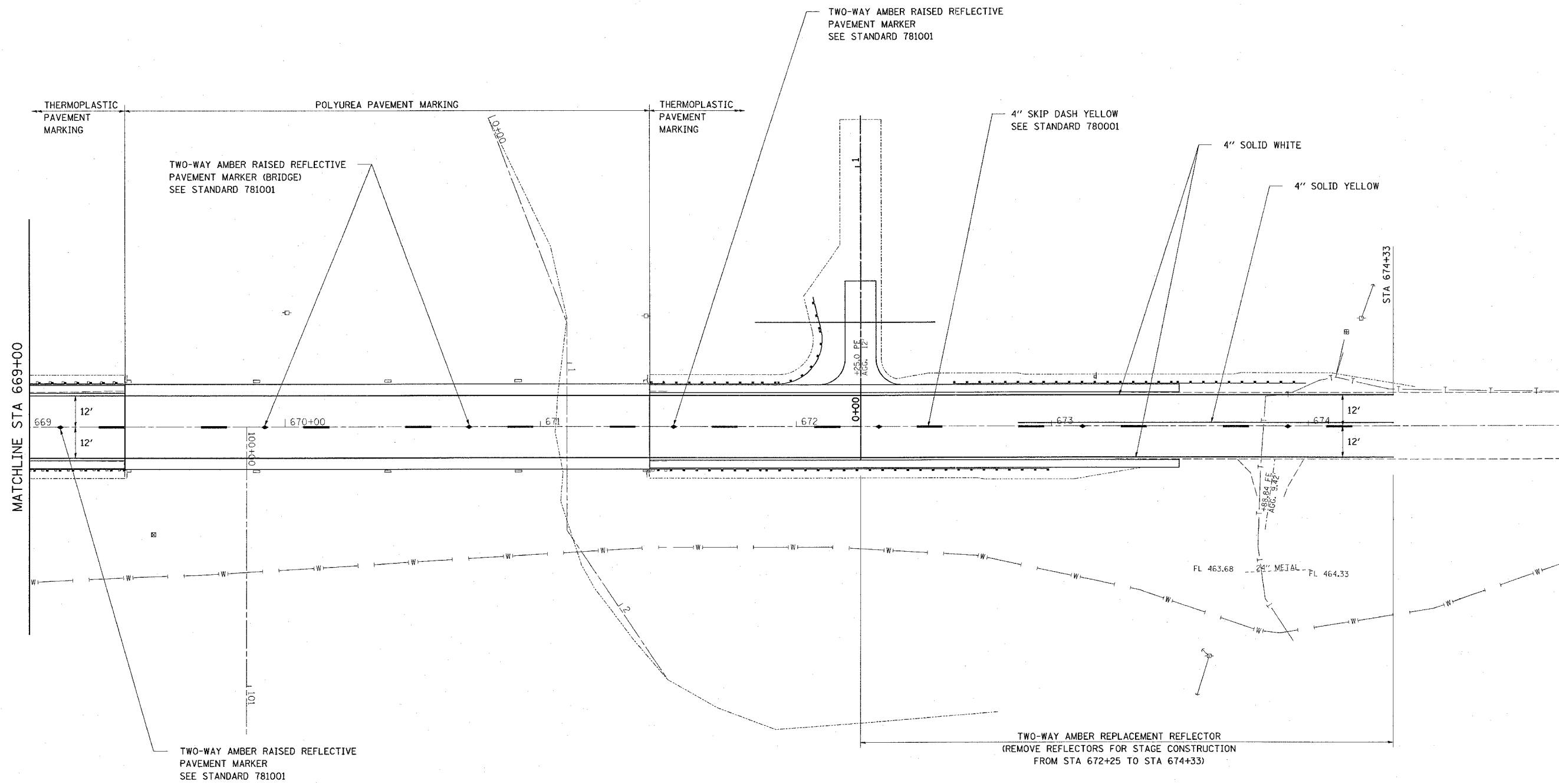


PLOT DATE = 6/12/2007
 FILE NAME = c:\pms\pms\work\793\plan\p1\63785.dgn
 PLOTTER = HPGL / IN.
 REFERENCE = \$REF\$

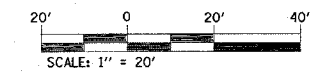
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

CONTRACT NO. 76897				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	28
STA. 671+50		TO STA. 676+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 6/12/2007
 PLOT SCALE = 20.0000 / IN.
 REFERENCE = #REF#



REVISIONS	
NAME	DATE

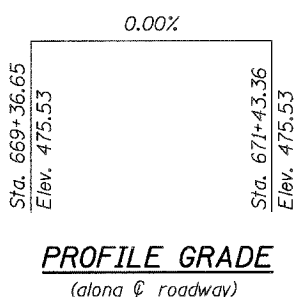
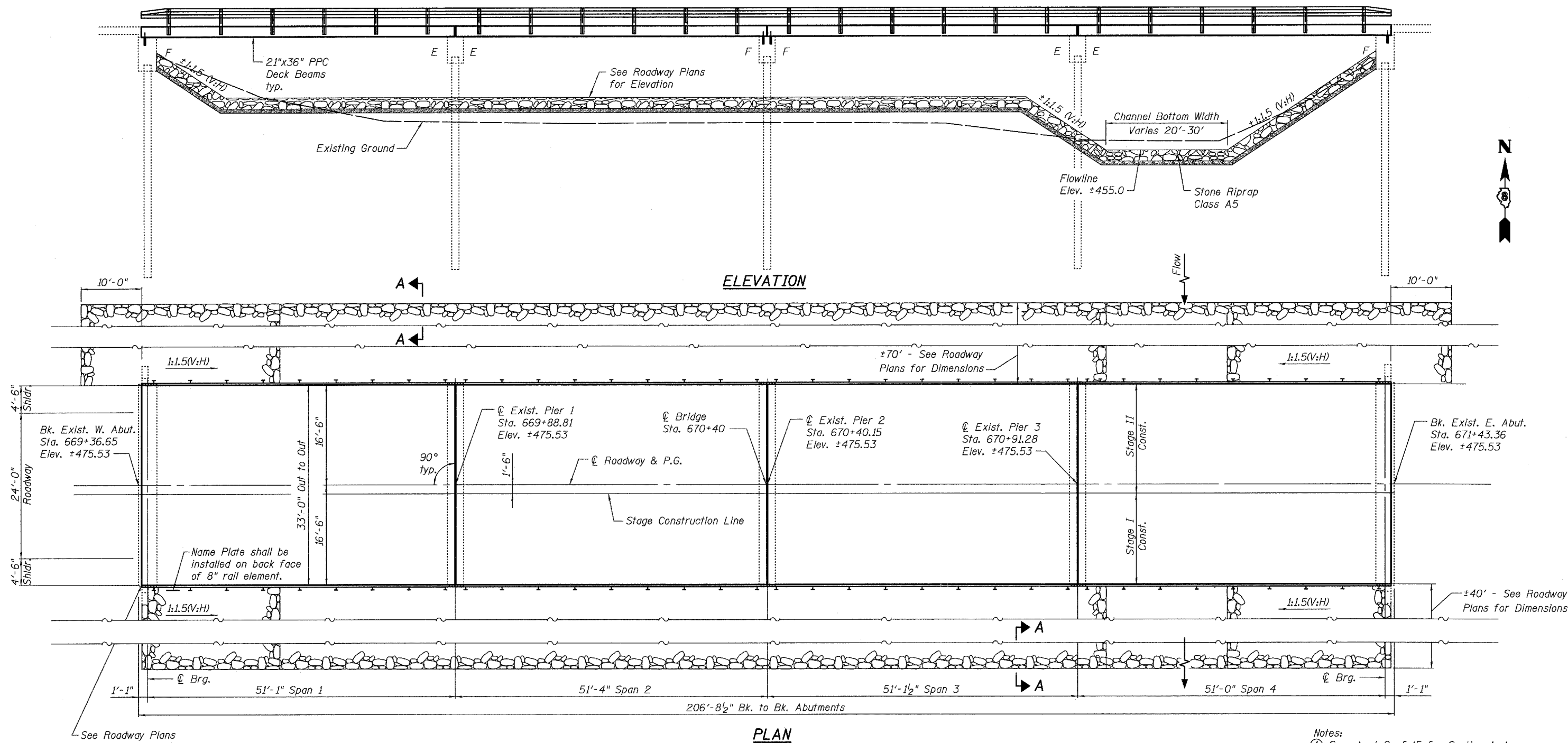
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING
 FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

Bench Mark: Right of way marker 41.58 ft. Right of Sta. 669+48.55, Elevation 464.15.
 Existing Structure: S.N. 003-0035 was rebuilt in 1978 as FA Route 793, Section 112-BR-1 at Sta. 670+40.
 The structure consists of 4 spans of PPC deck beams on pile bent abutments and piers. The bk. to bk. of abutments measures 206'-8 1/2" while the out to out width measures 33'-0". Bridge superstructure shall be removed and replaced with new beams and reinforced concrete wearing surface. Partial road closure with a signalized one lane crossing will be used during construction.
 No salvage of existing deck beams.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LISTED SHEETS	SHEET NO.	SHEET NO. 1
F.A.P. RTE. 793	112BR-2	BOND	52	29	15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

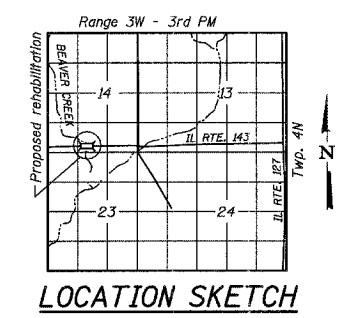
Contract #76897



LOADING HS20-44
 No allowance for future wearing surface.
DESIGN SPECIFICATIONS
 2002 AASHTO

DESIGN STRESSES
FIELD UNITS
 $f_c = 5,000$ psi (concrete wearing surface)
 $f_c = 3,500$ psi (concrete structures)
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 36,000$ psi (structural steel)
PRECAST PRESTRESSED UNITS
 $f_c = 5,000$ psi
 $f_{ct} = 4,000$ psi
 $f_s = 270,000$ psi (1/2" low lax. strands)
 $f_{sl} = 201,960$ psi (1/2" low lax. strands)

STATION 670+40
 RE-BUILT 200 BY
 STATE OF ILLINOIS
 FAP ROUTE 793 - SEC 112BR-2
 LOADING HS20
 STR. NO. 003-0035
NAME PLATE
 See Std. 515001



Plans Prepared By:
Oates Associates, Inc.

 4/30/07
 EXPIRES 11/30/08

GENERAL PLAN & ELEVATION
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

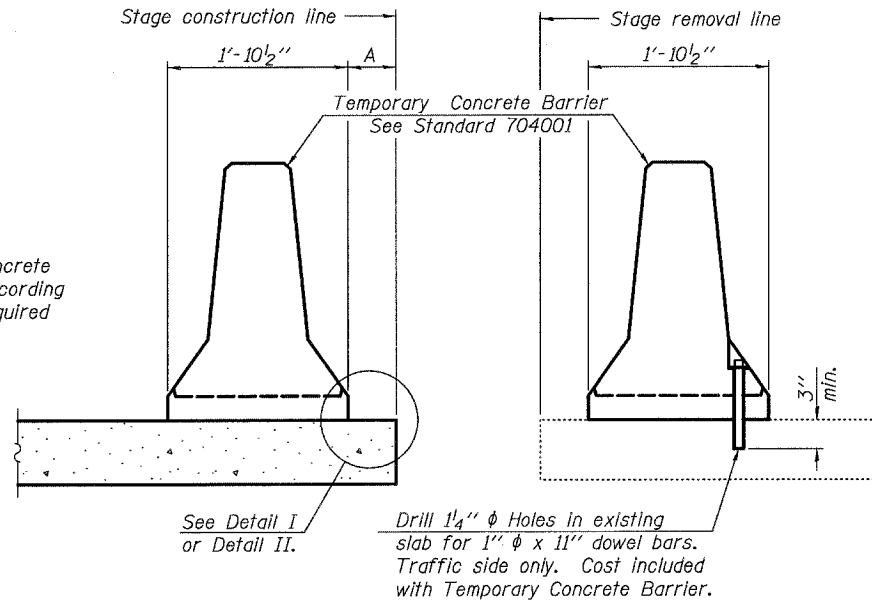
Notes:
 ① See sheet 2 of 15 for Section A-A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 15 SHEETS
F.A.P. RTE. 793	112BR-2	BOND	52	32	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #76897

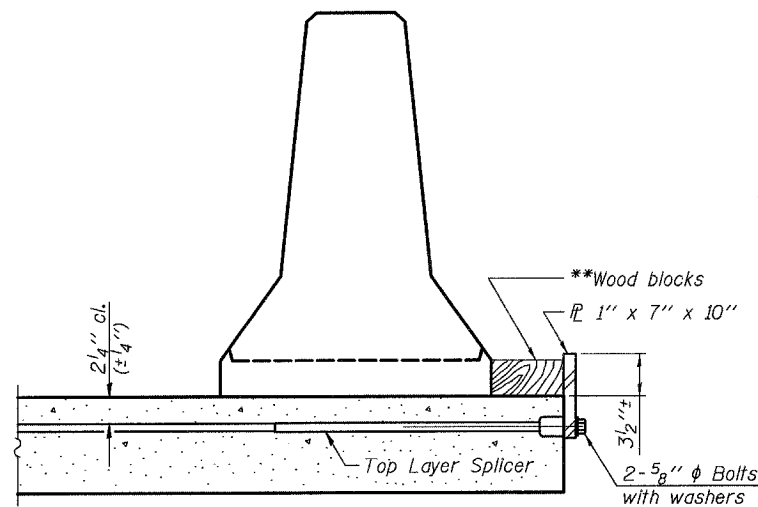
When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



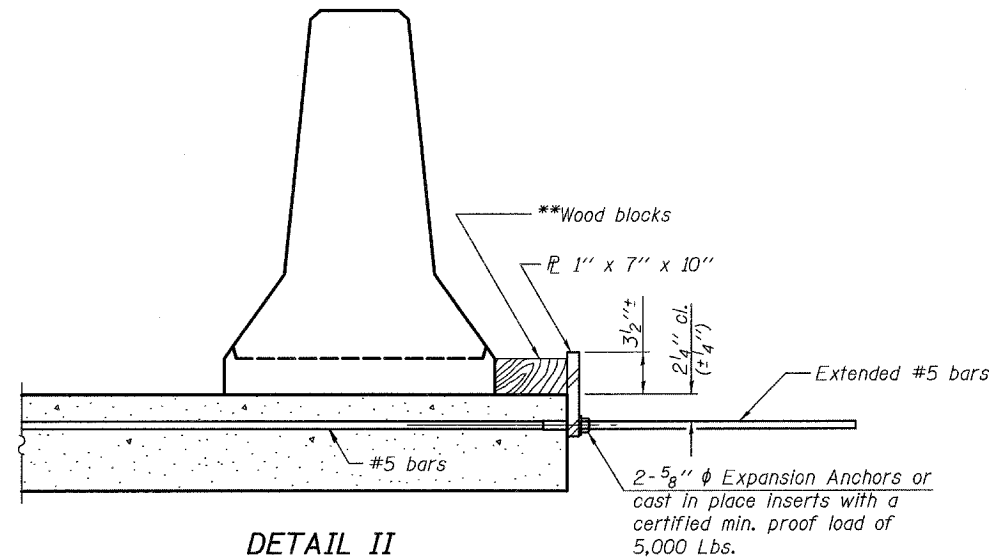
NEW SLAB

EXISTING SLAB

SECTIONS THRU SLAB



DETAIL I

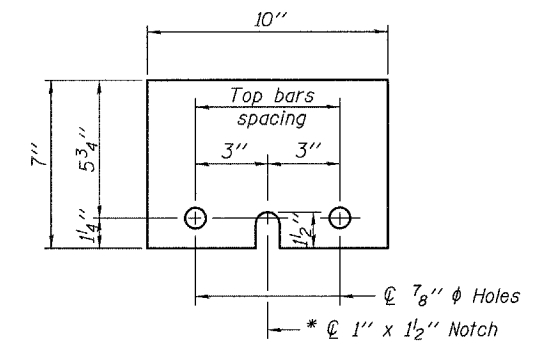


DETAIL II

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

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. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



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

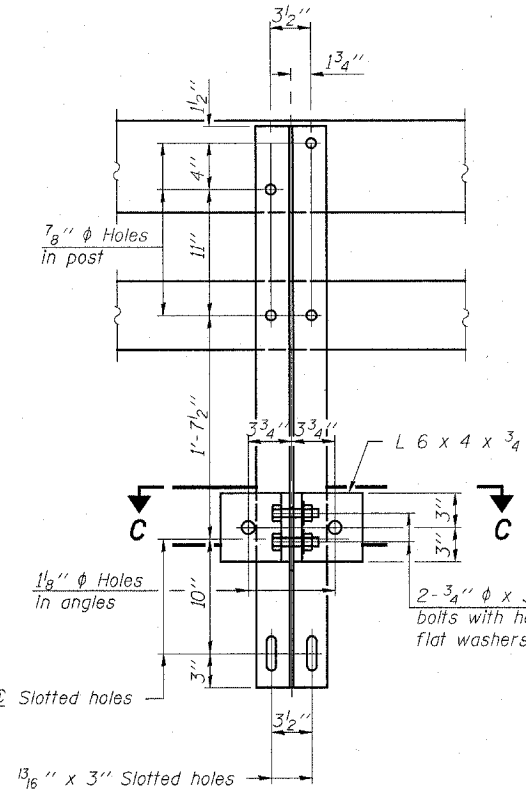
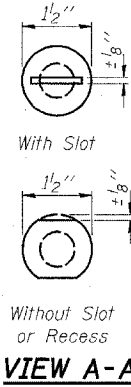
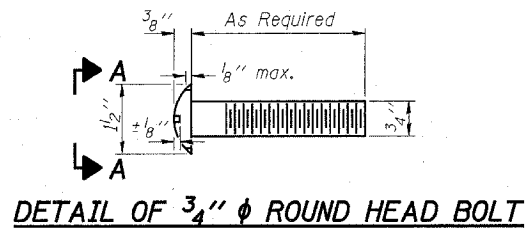
* Required only with Detail II

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

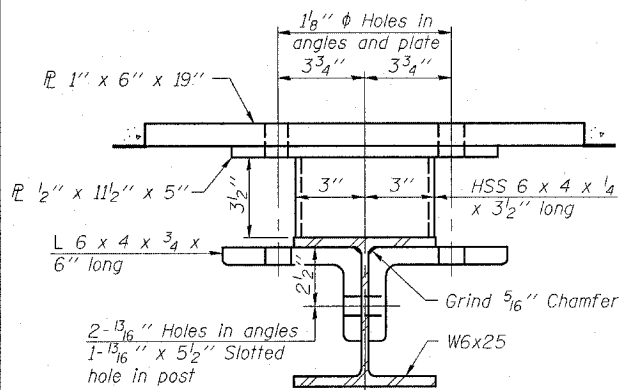
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 15 SHEETS
F.A.P. RTE. 793	112BR-2	BOND	52	33	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

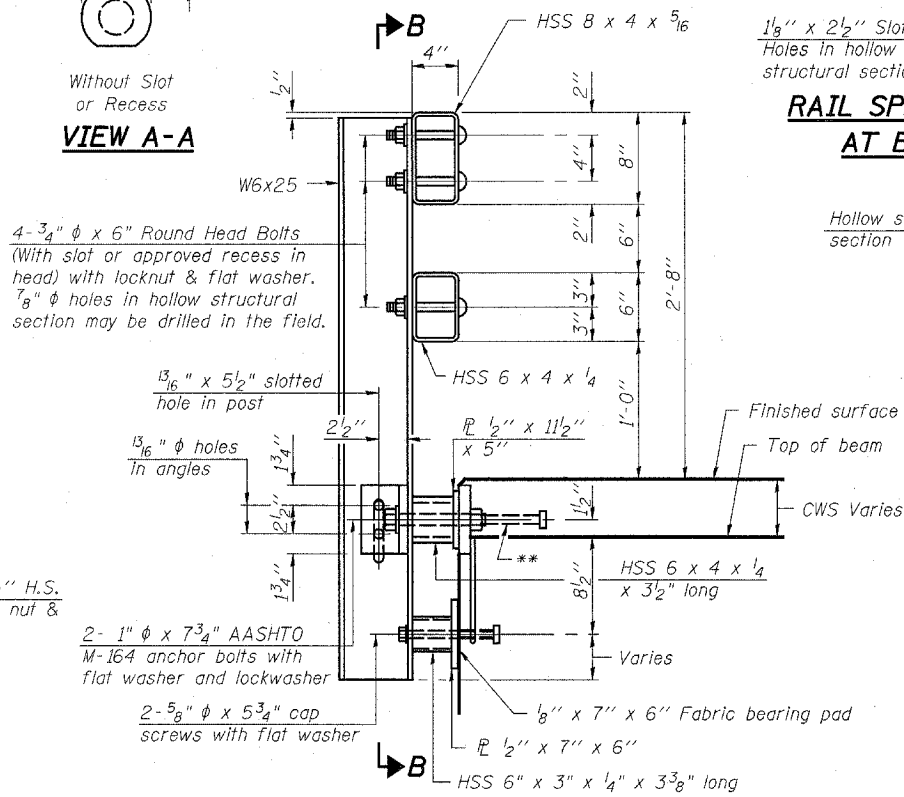
Contract #76897



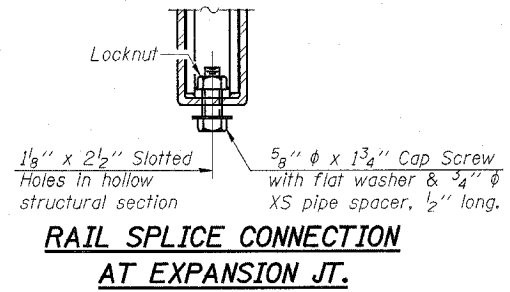
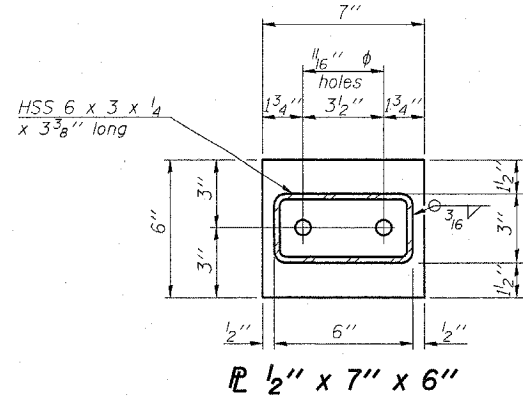
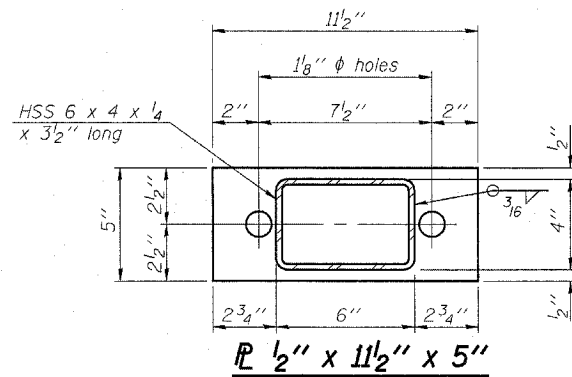
SECTION B-B



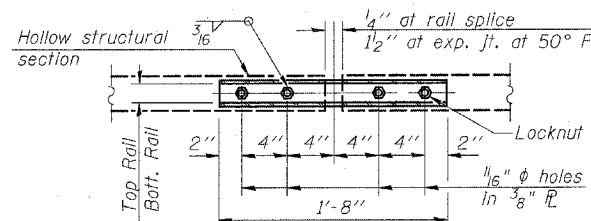
SECTION C-C



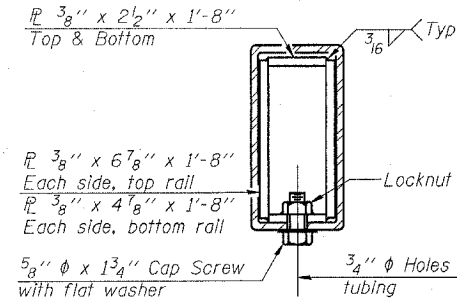
SECTION AT RAIL POST



RAIL SPLICE CONNECTION
AT EXPANSION JT.

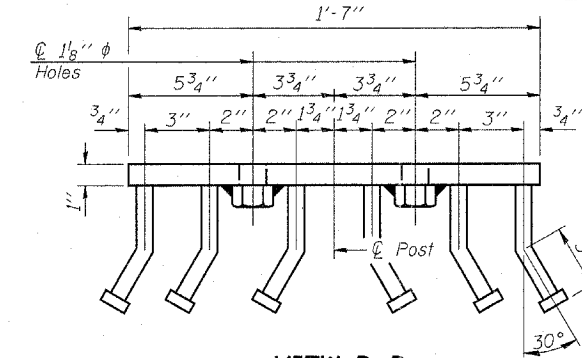


PLAN-BOTT. SPLICE AT
TYPICAL

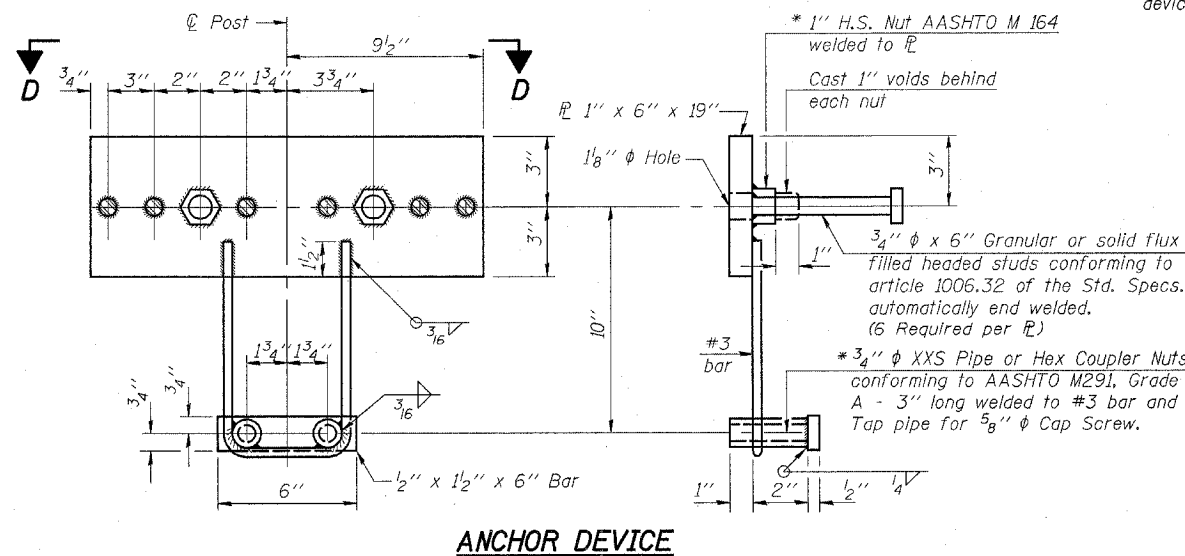


SECTION AT
RAIL SPLICE

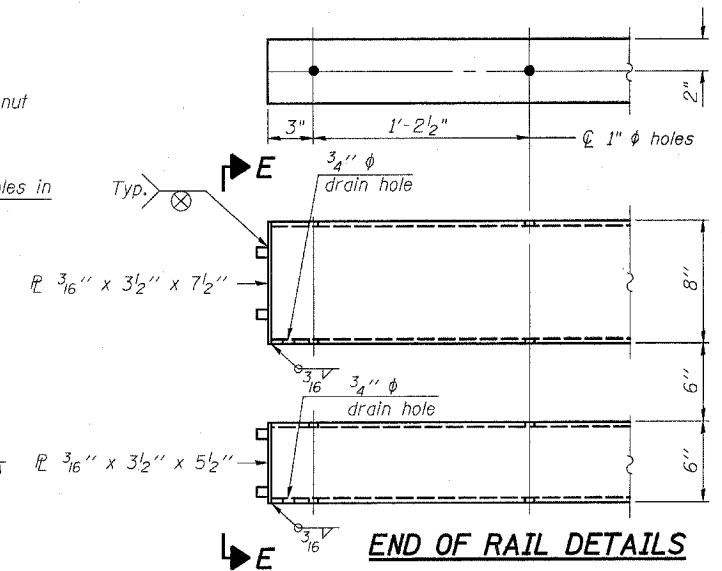
4 - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032



VIEW D-D



ANCHOR DEVICE



END OF RAIL DETAILS

Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	413

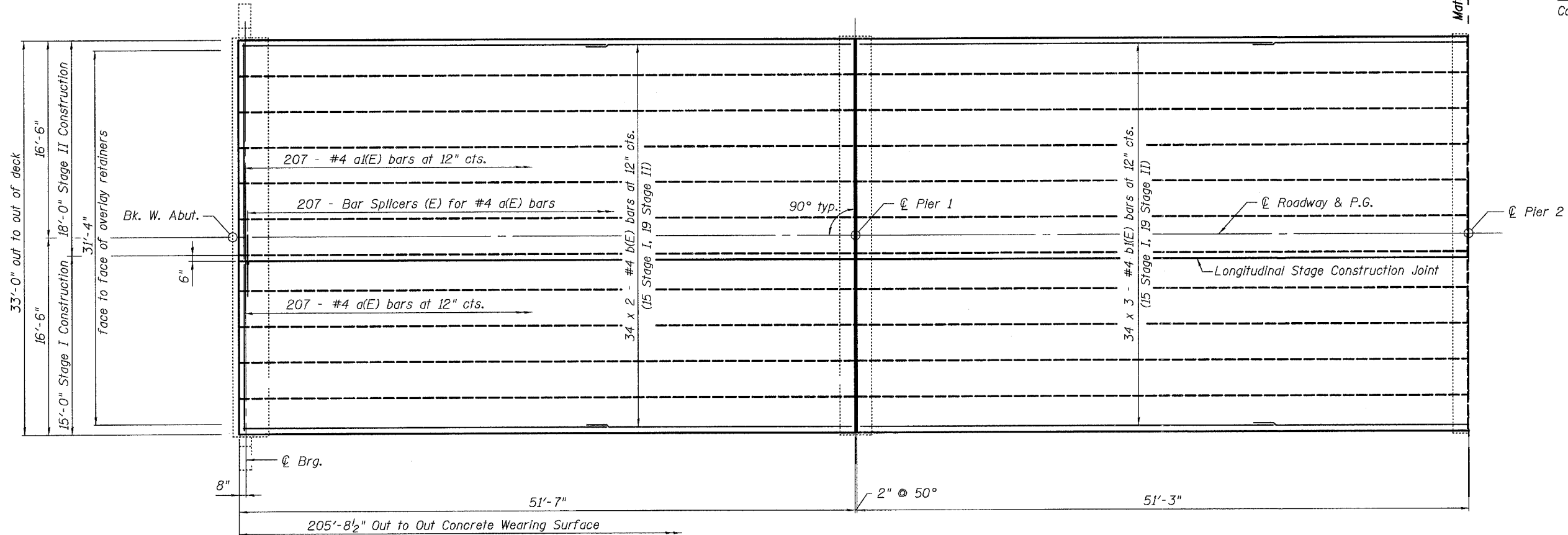
STEEL RAILING, TYPE SM
WITH CONCRETE WEARING SURFACE
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

* Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

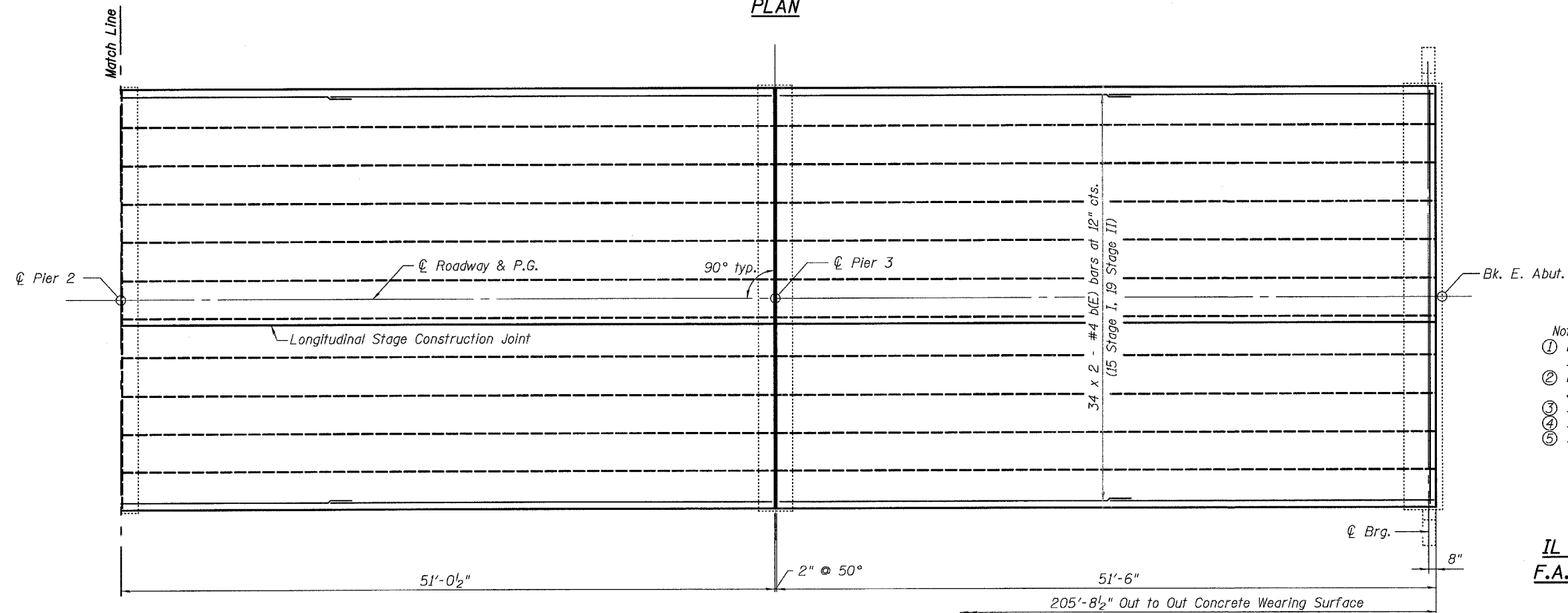
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
F.A.P. RTE. 793	112BR-2	BOND	52	34	15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #76897



PLAN

MIN. BAR LAP
#4 bar = 1'-8"



PLAN

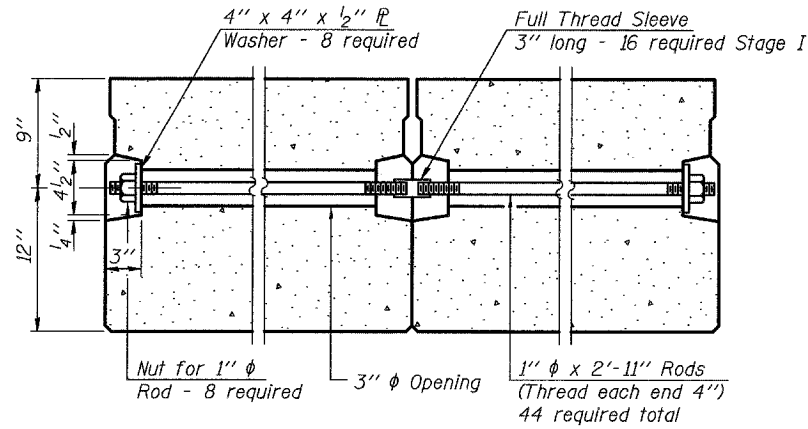
- Notes:
- ① Bars indicated thus 34 x 2 - #4 etc. indicates 34 lines of bars with 2 lengths per line.
 - ② For remainder of superstructure details, see sheets 7 thru 10 of 15.
 - ③ See sheet 7 of 15 for Bill of Materials.
 - ④ See sheet 15 of 15 for Bar Splicer details.
 - ⑤ See sheet 3 of 15 for stage construction details.

SUPERSTRUCTURE
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

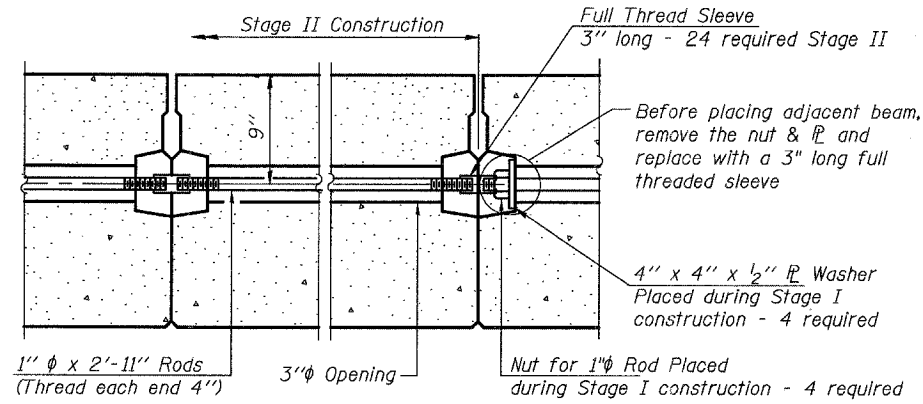
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 15 SHEETS
F.A.P. RTE. 793	112BR-2	BOND	52	36	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

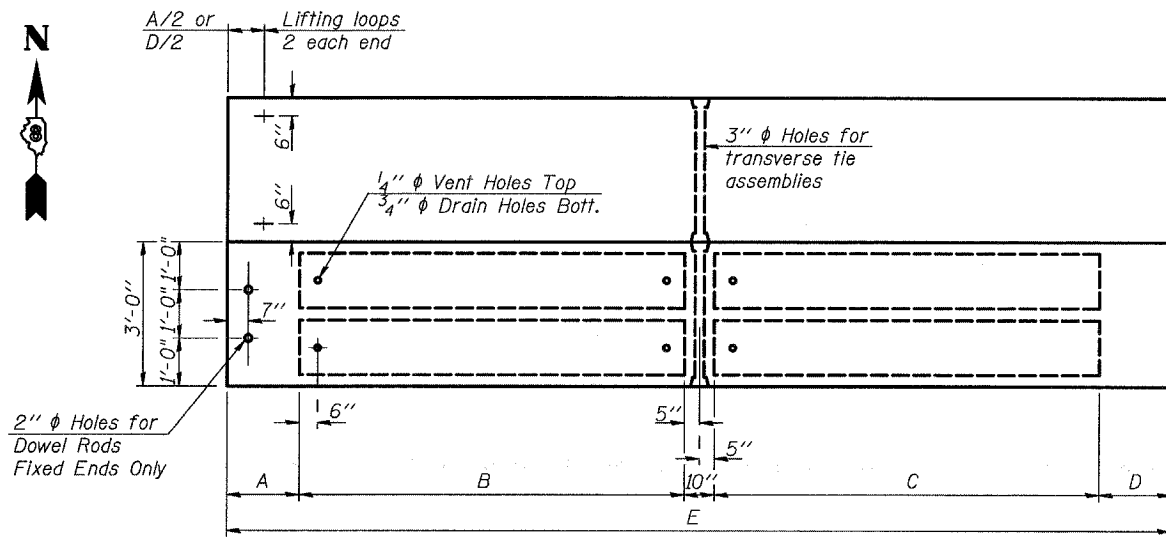
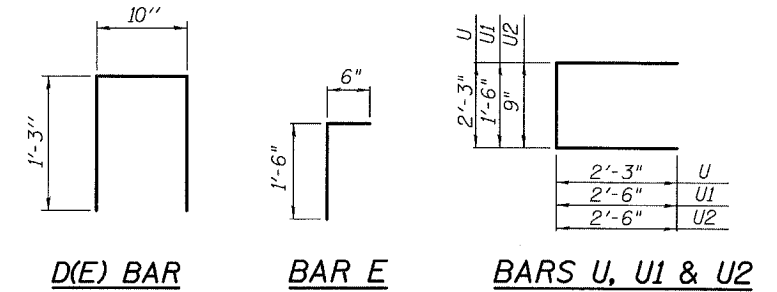
Contract #76897



TYPICAL TRANSVERSE TIE ASSEMBLY

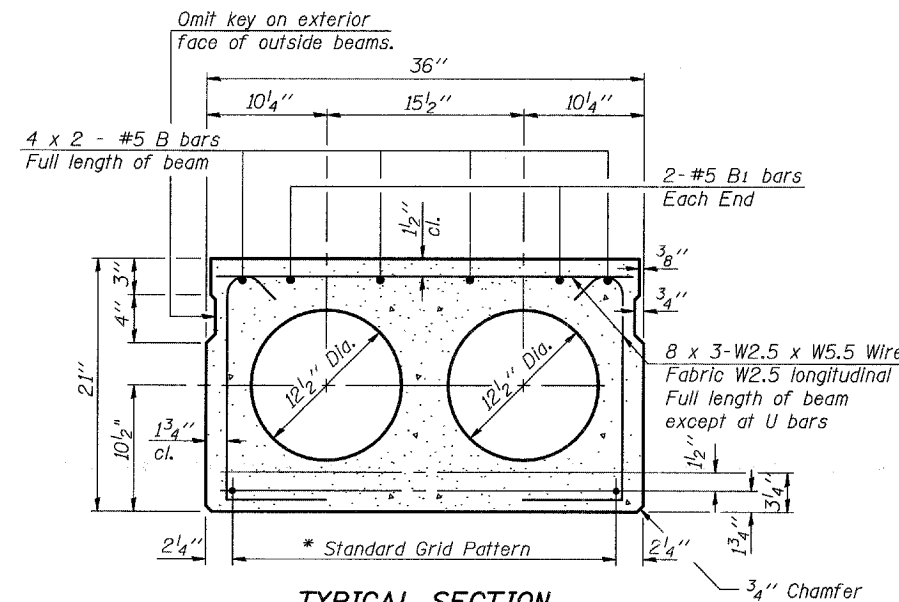


SPECIAL TRANSVERSE TIE ASSEMBLY AT STAGE CONSTRUCTION JOINT



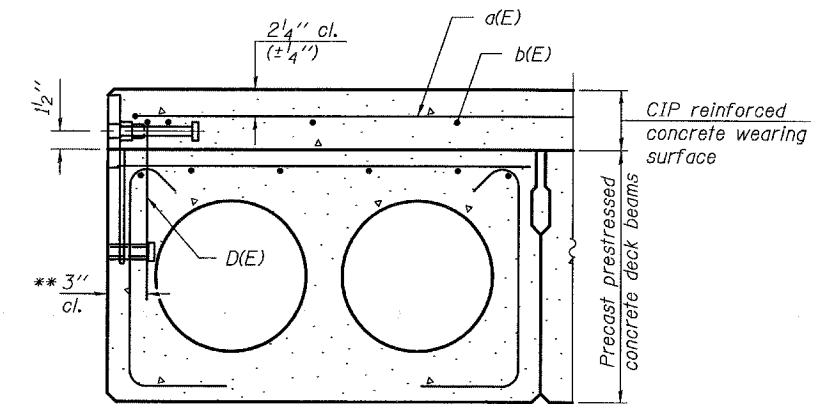
PLAN

(See Table of Beam Dimensions)



TYPICAL SECTION

1/2" φ Strands, Each Strand Stressed to 30,900 Lbs.
6-Strands 1 3/4" up, 8-Strands 3 1/4" up, 2-Strands 9" up



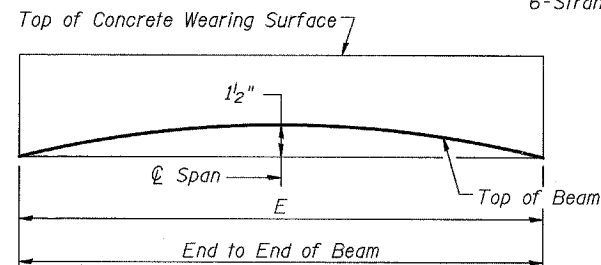
SECTION THRU EXTERIOR BEAMS

** May need to lift D(E) bar to miss bottom rail anchorage. (See sheet 9 of 15 for rail anchorage details.)

* TRANSVERSE STRAND PLACEMENT GUIDELINES

1. Place strands symmetrically about centerline of beam.
2. The minimum distance from center to center of strands in all directions shall be 2".
3. The minimum clearance from strand to dowel hole shall be 1/2".
4. The minimum clearance from stand to void shall be 1 1/2".

Vertical placement of strands shall not be adjusted to satisfy the above guidelines.



ANTICIPATED INITIAL CAMBER DIAGRAM

(See Table of Beam Dimensions for dimension E.)

Span	Dimension				
	A	B	C	D	E
1	2'-0"	23'-4"	22'-6"	2'-10"	51'-6"
2	2'-10"	22'-4 1/4"	23'-2 1/4"	2'-0"	51'-2 1/2"
3	2'-0"	23'-1"	22'-3"	2'-10"	51'-0"
4	2'-10"	22'-5 1/2"	23'-3 1/2"	2'-0"	51'-5"

TABLE OF BEAM DIMENSIONS

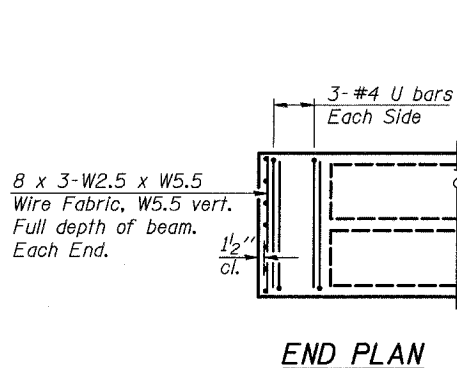
NOTES

1. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
2. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
3. Lifting loops shall be 2 - 1/2" φ - 270 ksi strands, as shown.
4. The 1" φ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.
5. Non prestressing steel shall conform to ASTM A 706 (IL MOD), Grade 60.
6. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.
7. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.
8. Corrosion Inhibitor, per Article 1020.05(b)(12) of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
9. Required Release Strength, f'ci, shall be 4,000 p.s.i.
10. The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam will not be permitted.
11. See sheets 9 & 10 of 15 for remaining superstructure details.
12. See sheet 9 of 15 for rail post spacing.

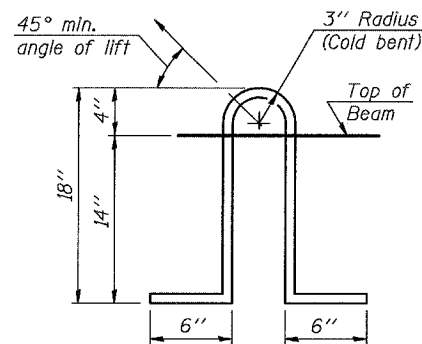
BILL OF MATERIAL

Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	6,769
-----------------------------------------------------	---------	-------

SUPERSTRUCTURE DETAILS
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035



END PLAN

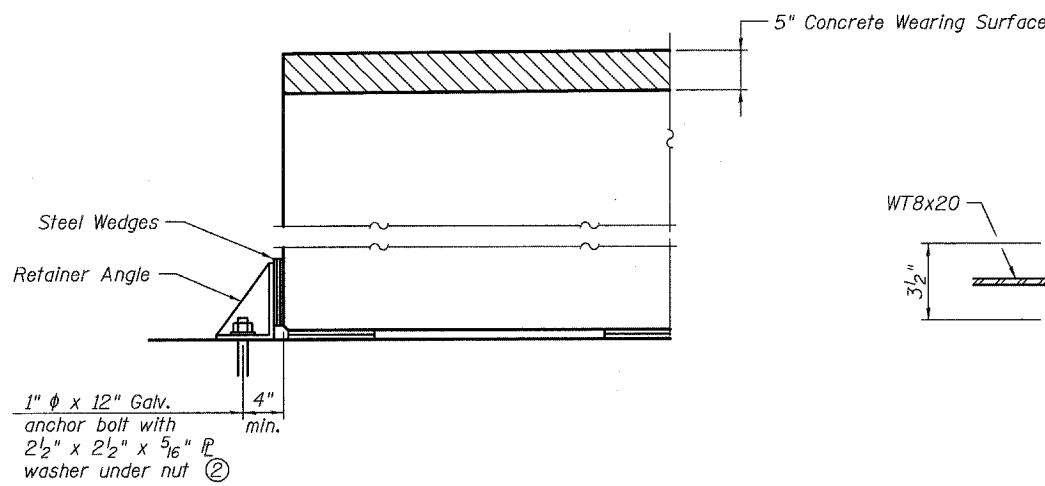


LIFTING LOOP DETAIL

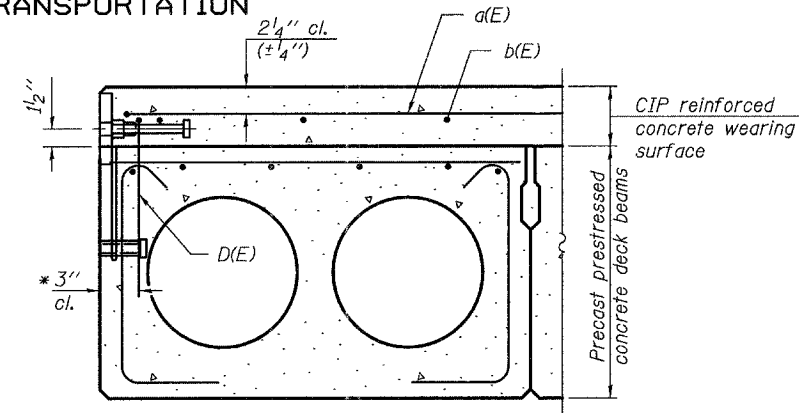
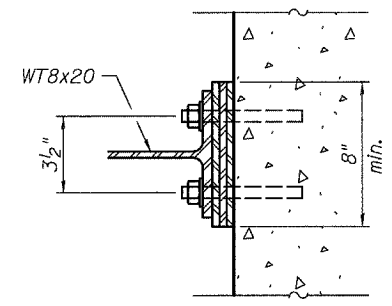
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9 15 SHEETS
F.A.P. RTE. 793	112BR-2	BOND	52	37	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #76897

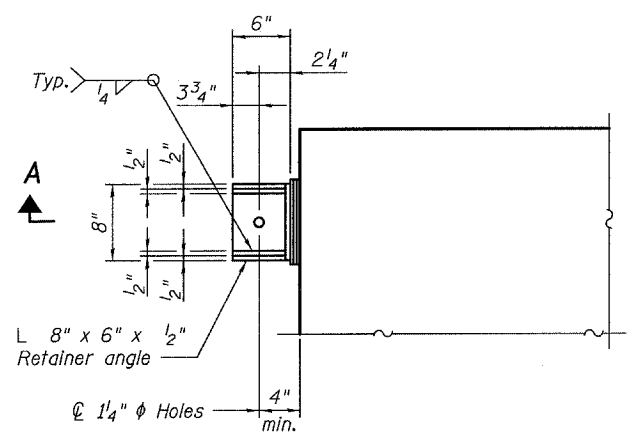


SECTION A-A

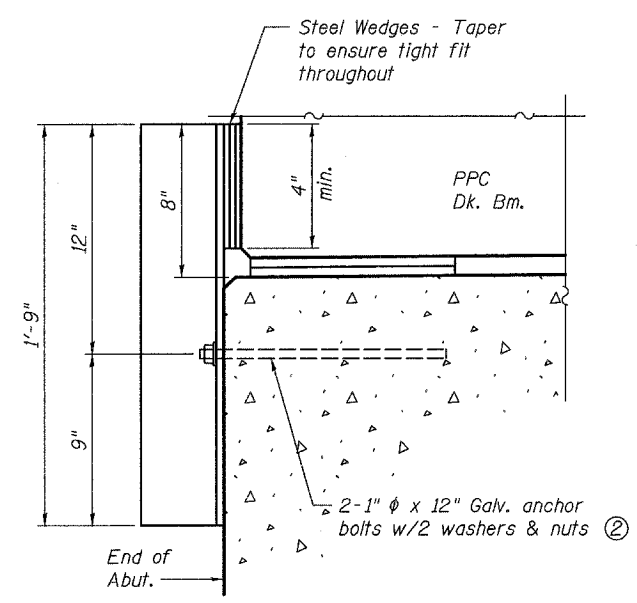


CROSS SECTION B-B

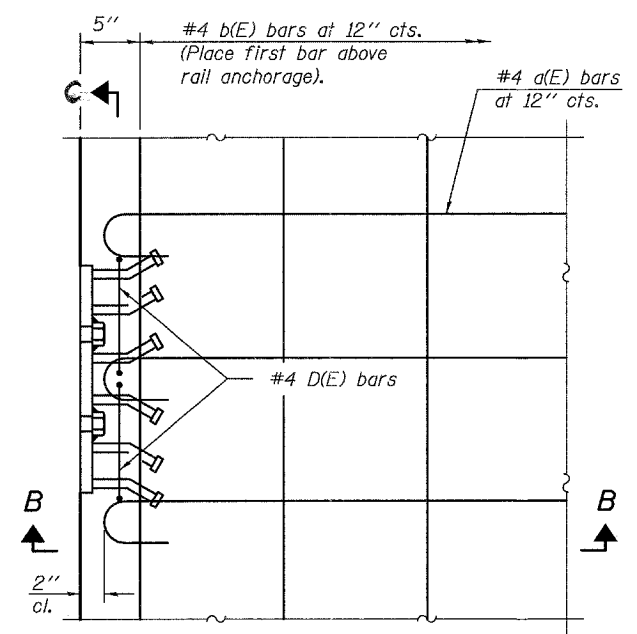
* May need to tilt D(E) bar to miss bottom rail anchorage.



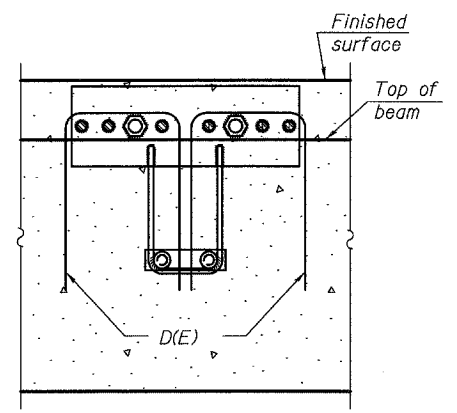
PLAN



ALTERNATE RETAINER



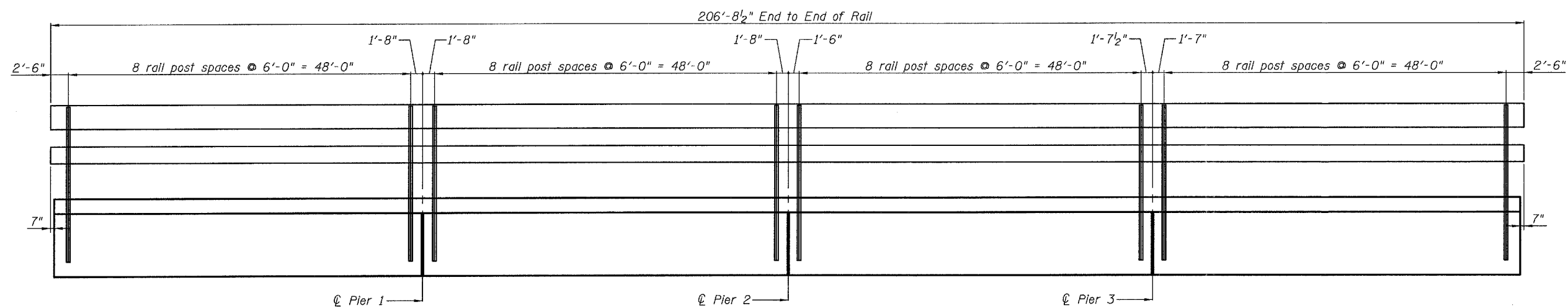
PLAN



SECTION C-C

RETAINER ASSEMBLY AT EXPANSION JOINT

RAIL ANCHORAGE



RAIL POST SPACING

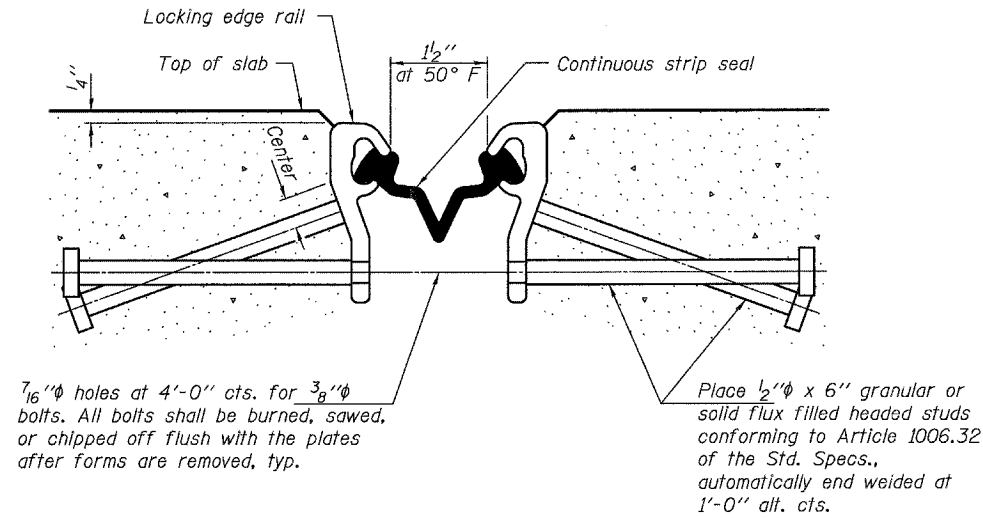
- Notes:
- Retainer angles are to be used at the expansion ends of deck beams only. After block-outs are poured and cured the retainer angles shall be removed. Anchor bolts may be left in place.
 - Approved threaded rod shall be placed in drilled holes and grouted in place. Cost of retainer and accessories are included with Precast Prestressed Concrete Deck Beams (21" Depth).
 - Cost of 1/2" Standard pipe shall be included in the cost of the Precast Prestressed Concrete Deck Beams (21" Depth).
 - Retainer assembly shall not be installed until all adjacent partial depth concrete repair work is completed.
 - The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam will not be permitted.

SUPERSTRUCTURE DETAILS
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

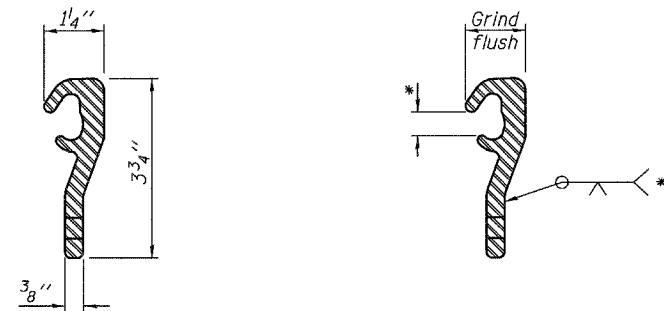
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 10
F.A.P. RTE. 793	112BR-2	BOND	52	38	15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #76897



SECTION THRU STRIP SEAL JOINT
FOR OVERLAY OVER DECK BEAMS



LOCKING EDGE RAIL

LOCKING EDGE RAIL SPLICE

* Omit weld at seal opening.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.

The inside of the Locking Edge Rail groove shall be free of weld residue.

Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	66

PREFORMED JOINT STRIP SEAL
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

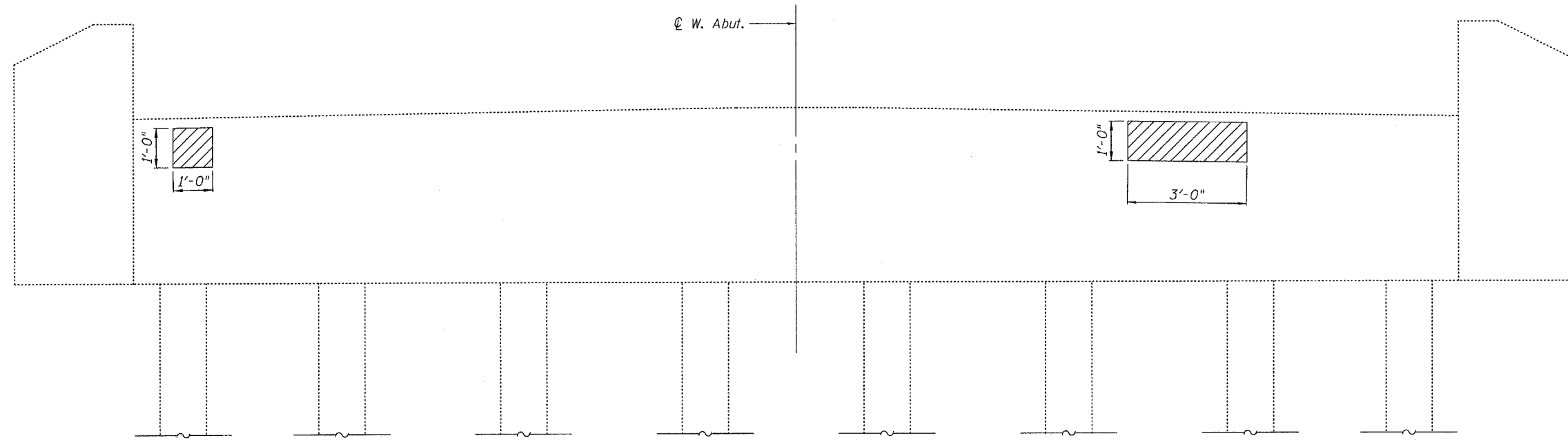
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 793	112BR-2	BOND	52	39
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 11

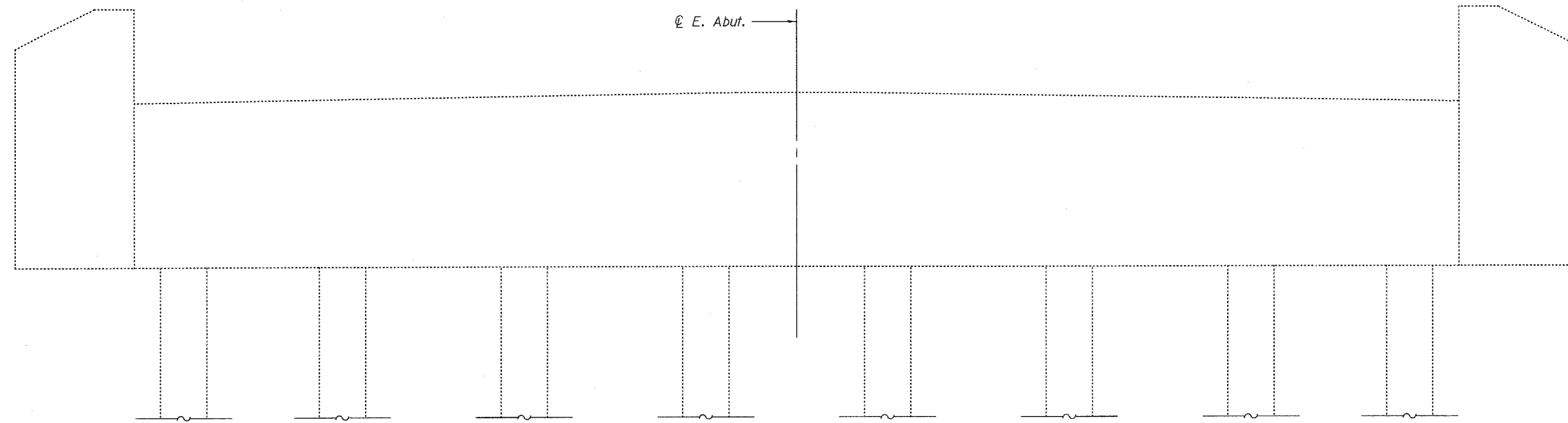
15 SHEETS

Contract #76897



EAST FACE OF WEST ABUTMENT

(Looking West)



WEST FACE OF EAST ABUTMENT

(Looking East)

BILL OF MATERIAL

Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	4
------------------------------------------------	---------	---

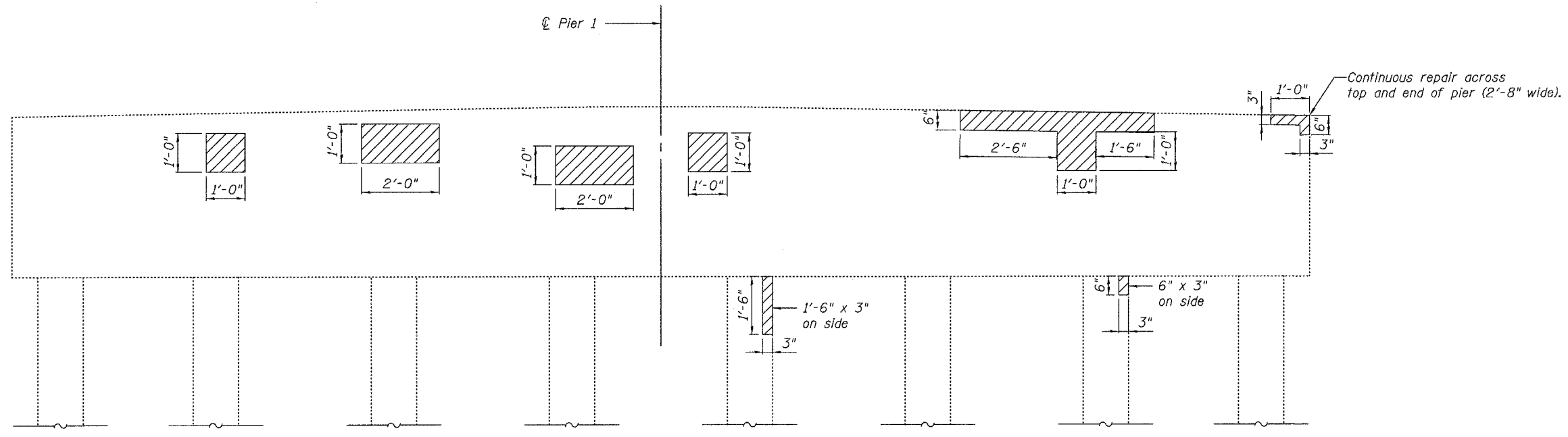
Note:
Hatched area indicates approximate area of Structural Repair of Concrete. Exact repair area to be determined by Engineer.

ABUTMENT STRUCTURAL REPAIR OF CONCRETE
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

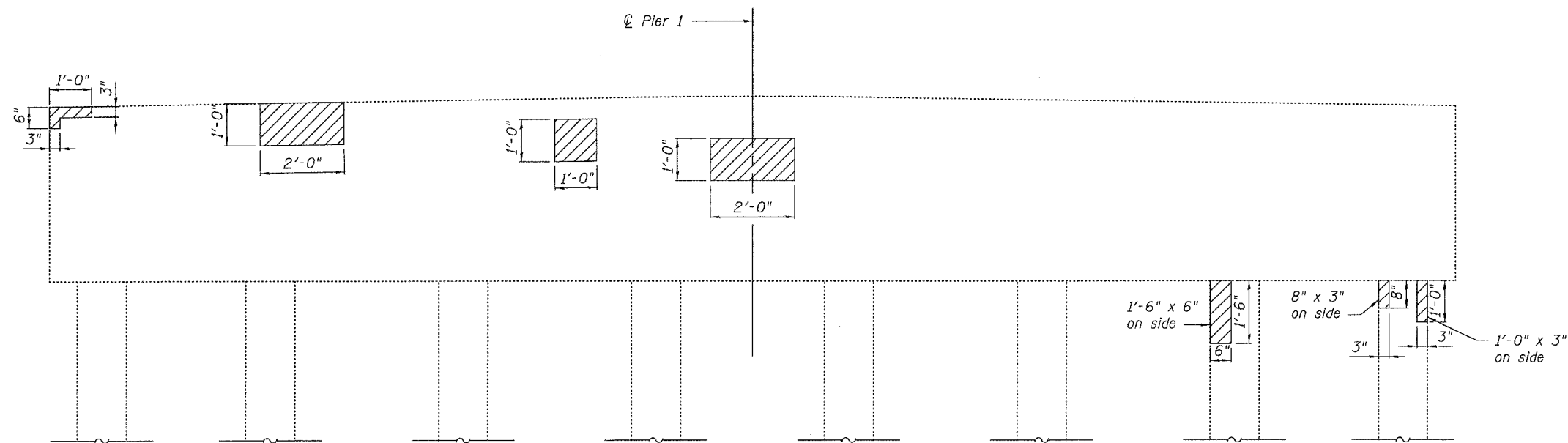
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12
F.A.P. RTE. 793	112BR-2	BOND	52	40	15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #76897



WEST SIDE PIER 1
(Looking East)



EAST SIDE PIER 1
(Looking West)

BILL OF MATERIAL

Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	22
---------------------------------------------	---------	----

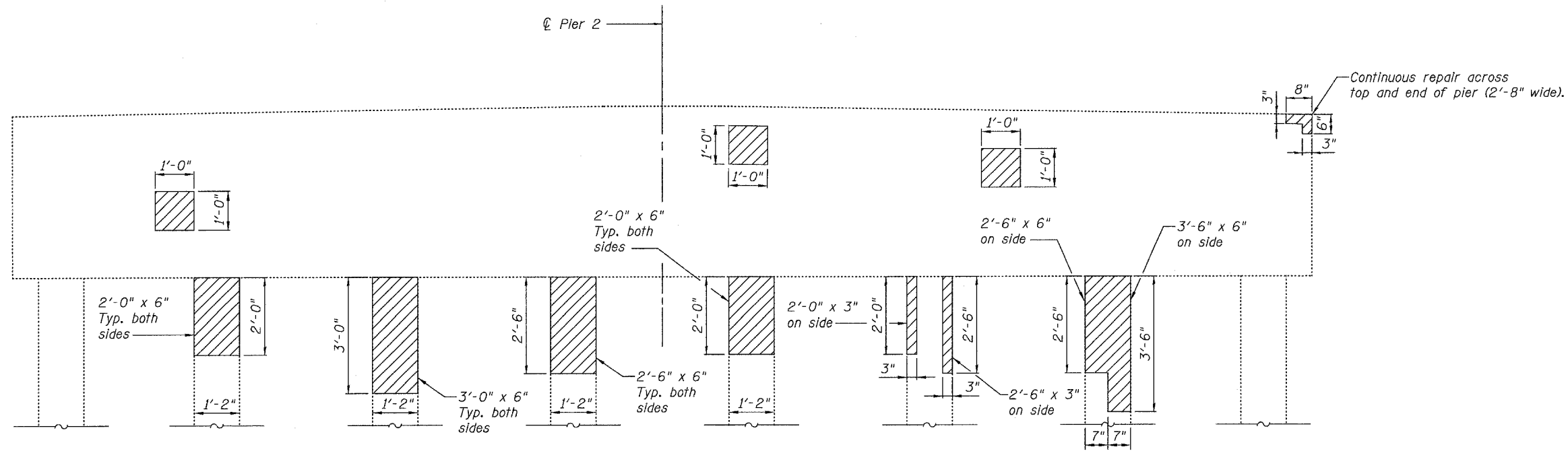
Note:
Hatched area indicates approximate area of Structural Repair of Concrete. Exact repair area to be determined by Engineer.

PIER 1 STRUCTURAL REPAIR OF CONCRETE
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

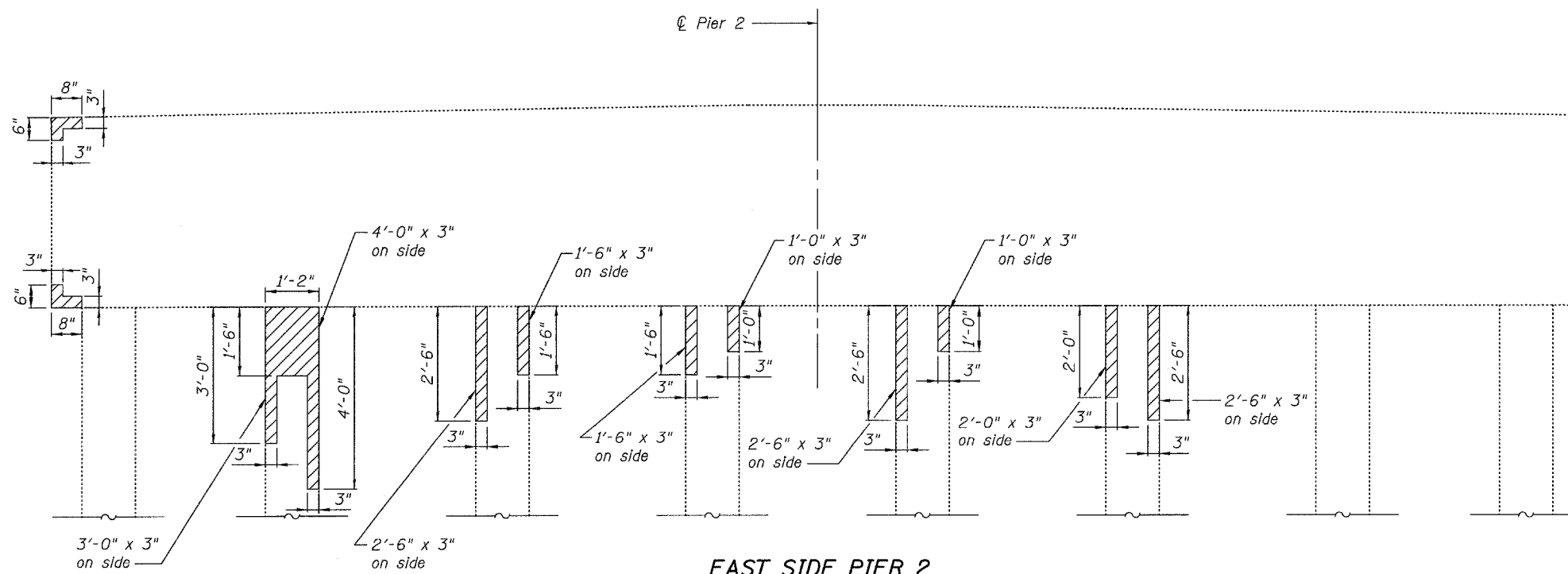
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 13 15 SHEETS
F.A.P. RTE. 793	112BR-2	BOND	52	41	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #76897



WEST SIDE PIER 2
(Looking East)



EAST SIDE PIER 2
(Looking West)

BILL OF MATERIAL

Structural Repair of Concrete (≤ 5")	Sq. Ft.	49

Note:
Hatched area indicates approximate area of Structural Repair of Concrete. Exact repair area to be determined by Engineer.

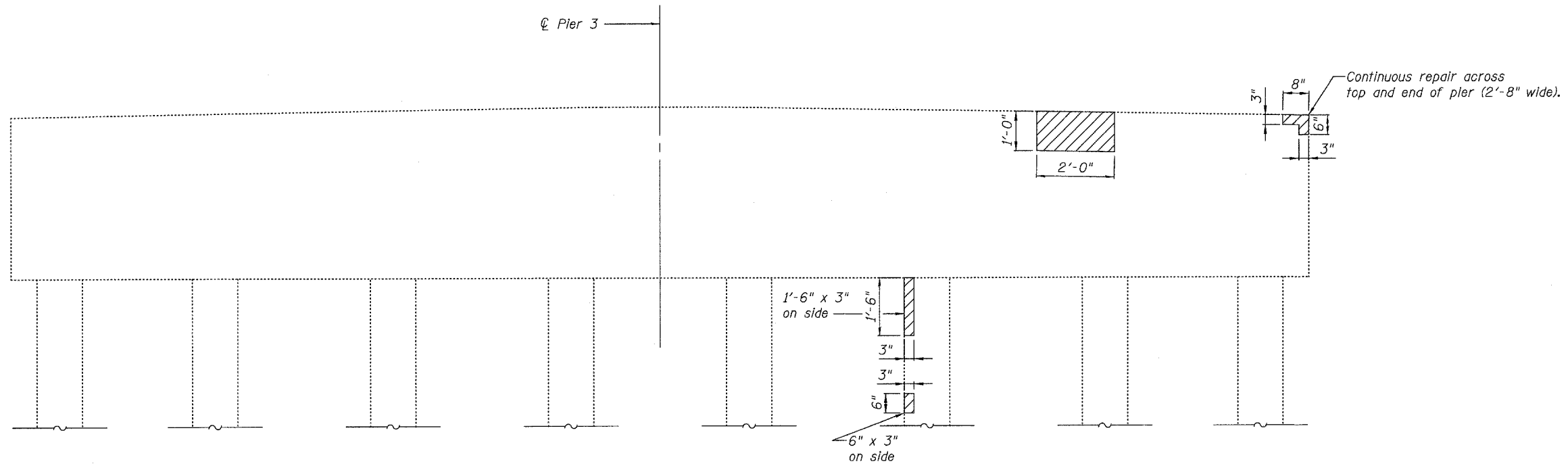
PIER 2 STRUCTURAL REPAIR OF CONCRETE
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

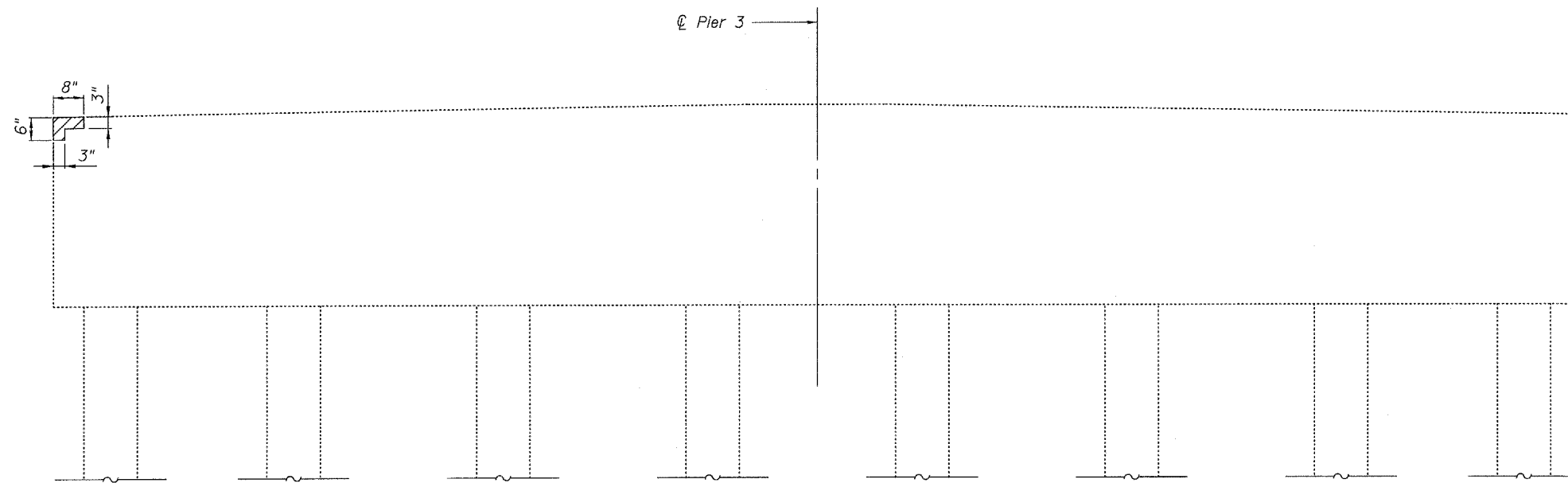
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 793	112BR-2	BOND	52	42
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
15 SHEETS

Contract #76897



WEST SIDE PIER 3
(Looking East)



EAST SIDE PIER 3
(Looking West)

BILL OF MATERIAL

Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	7

Note:
Hatched area indicates approximate area of Structural Repair of Concrete. Exact repair area to be determined by Engineer.

PIER 3 STRUCTURAL REPAIR OF CONCRETE
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 793	112BR-2	BOND	52	43
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract #76897

NOTES

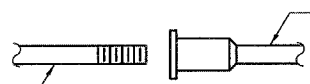
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the 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 Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8

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

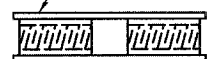


ROLLED THREAD DOWEL BAR



** ONE PIECE

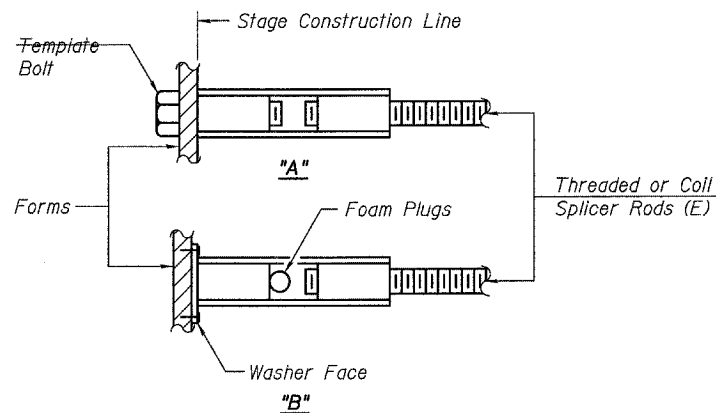
Wire Connector



WELDED SECTIONS

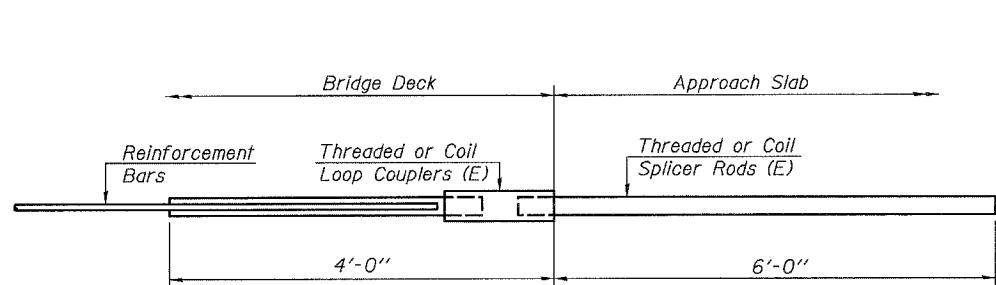
BAR SPLICER ASSEMBLY ALTERNATIVES

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



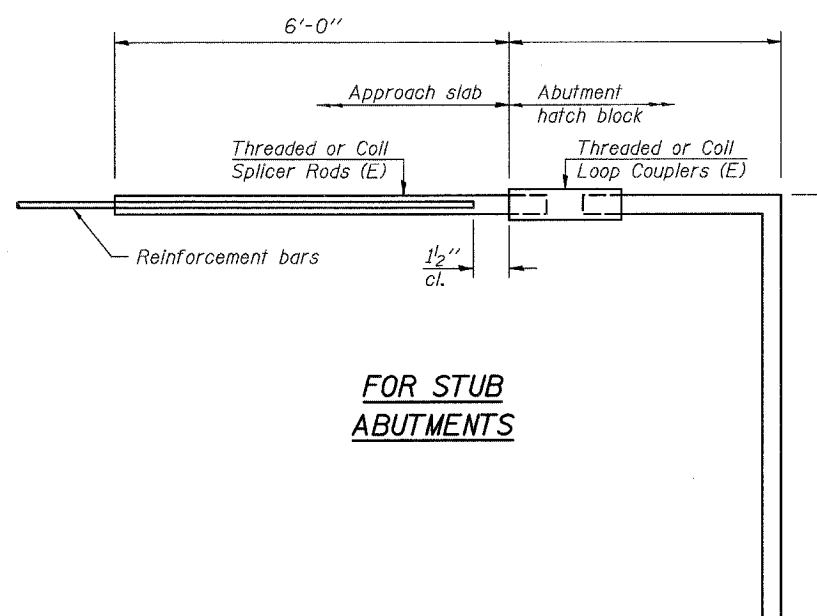
INSTALLATION AND SETTING METHODS

"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.



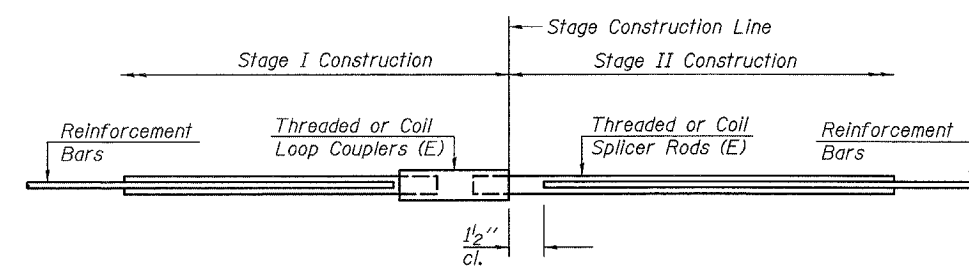
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

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



FOR STUB 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
#4	207	Conc. Wearing Surf.

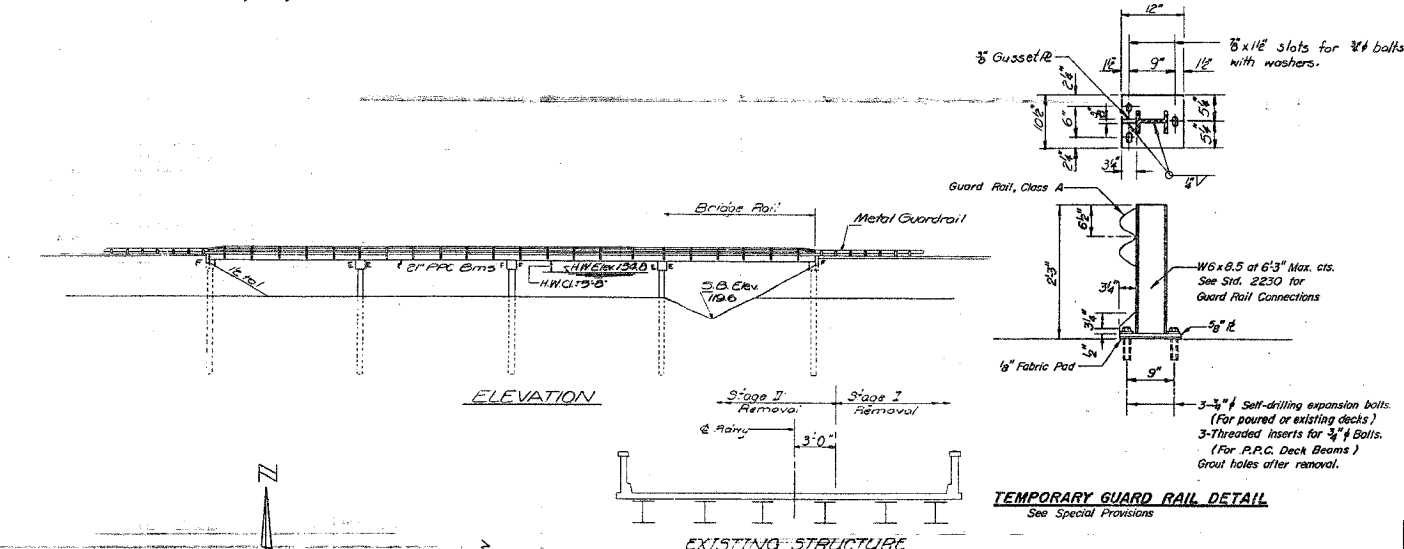
BAR SPLICER ASSEMBLY DETAILS
IL ROUTE 143 OVER BEAVER CREEK
F.A.P. ROUTE 793 - SECTION 112BR-2
BOND COUNTY
STA. 670+40
STRUCTURE NO. 003-0035

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	43A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

B.M. P.P. Spikes in 14" Hickory 103' Lt Sta 666+00 Elev. 142.94
 Existing Structure: Built as SBI 127A Sec. 112B Sta. 670+40
 in 1934, Superstr. is I-Beams with RC Deck. Substr.
 is RC. Pile Bents. Contractor shall remove existing Superstr.
 Traffic shall be maintained using stage construction.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DATE	REVISION	BY	CHKD.	APP'D.
11-1-79	1	BR-1	BOND	41
SHEET NO. 43 OF 52 SHEETS				



GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

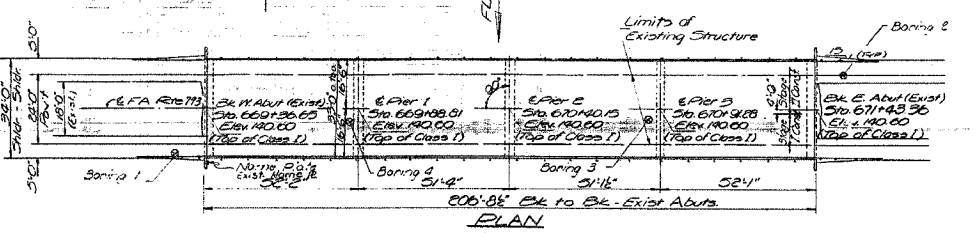
All structural steel shall be shop primed with two coats of basic lead silico chromate paint.

The Contractor shall drive Concrete test pile in a permanent location at Pier 2 as directed by the Engineer before ordering the remainder of piles.

Expansion bolts shall consist of self drilling expansion anchors and 3/4" x 12" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete except as otherwise shown.

TOTAL BILL OF MATERIAL

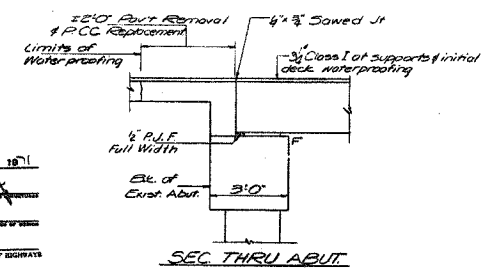
Item	Unit	Super	Sub	Total
Bituminous Concrete Surface Course, Class 1	Tons	114		114
Rev't Rein. & P.P.C. Replacement Type I (107)	Sq.Yds		8	8
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu.Yds		5	5
Expansion Bolts (3/4")	Each		210	210
Class X Concrete	Cu.Yds	3.0	38.4	41.4
Precast Prestressed Concrete Deck Beams (Type I)	Sq. Ft.	6776		6776
Structural Steel	Lbs.	4690		4690
Steel Railing Type N	Lin. Ft.	412		412
Reinforcement Bars	Lbs.	430	1850	2280
Concrete Piles	Lin. Ft.		315	315
Test Piles (Concrete)	Each	1		1
Name Plate	Each	1		1
Temporary Guardrail	Lin. Ft.	207		207
Waterproofing Membrane System	Sq. Yds	782		782
Preformed Joint Sealer (267)	Lin. Ft.	67		67
Portland Cement Mortar Fairing Course	Lin. Ft.	2053		2053



STATION 670+40
 RESULT IS BY
 STATE OF ILLINOIS
 FA. RT. 793 SEC. 112-BR-1
 PROJECT F-793(3)
 LOADING HS 20
 # STR. NO.
NAME PLATE
 See STD 6113

*Structure Number to be supplied by District

DESIGNED	Suresh T. Desai	EXAMINED	June 15, 1971
CHECKED	James P. Jones	PASSED	
DRAWN	Fernando	APPROVED	
CHECKED	JP		

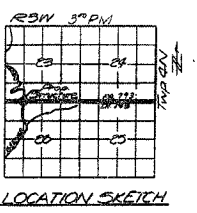


DESIGN STRESSES

PRECAST PRESTRESSED UNITS
 Fc: 5000 psi
 Ft: 4000 psi
 Fc: 27,000 psi Strands
 Ft: 183,000 psi Strands

FIELD UNITS
 Fc: 4000 psi Super
 Ft: 1000 psi Sub
 Fc: 20,000 psi Reinf
 Ft: 75 psi Footings
 n: 10
 Allowable Fut: 1/3 S. 25%
 Design Specifications
 1969 AASHTO as applicable

LOADING HS 20-44



PROJECT F-793(3)
GENERAL PLAN AND ELEVATION
 FA 793 OVER BEAVER CREEK
 FA RTE 793 SEC. 112-BR-1
 BOND COUNTY
 STA. 670+40

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN

FAP ROUTE 793
 SECTION 112BR-2
 BOND COUNTY
 SN 003-0035

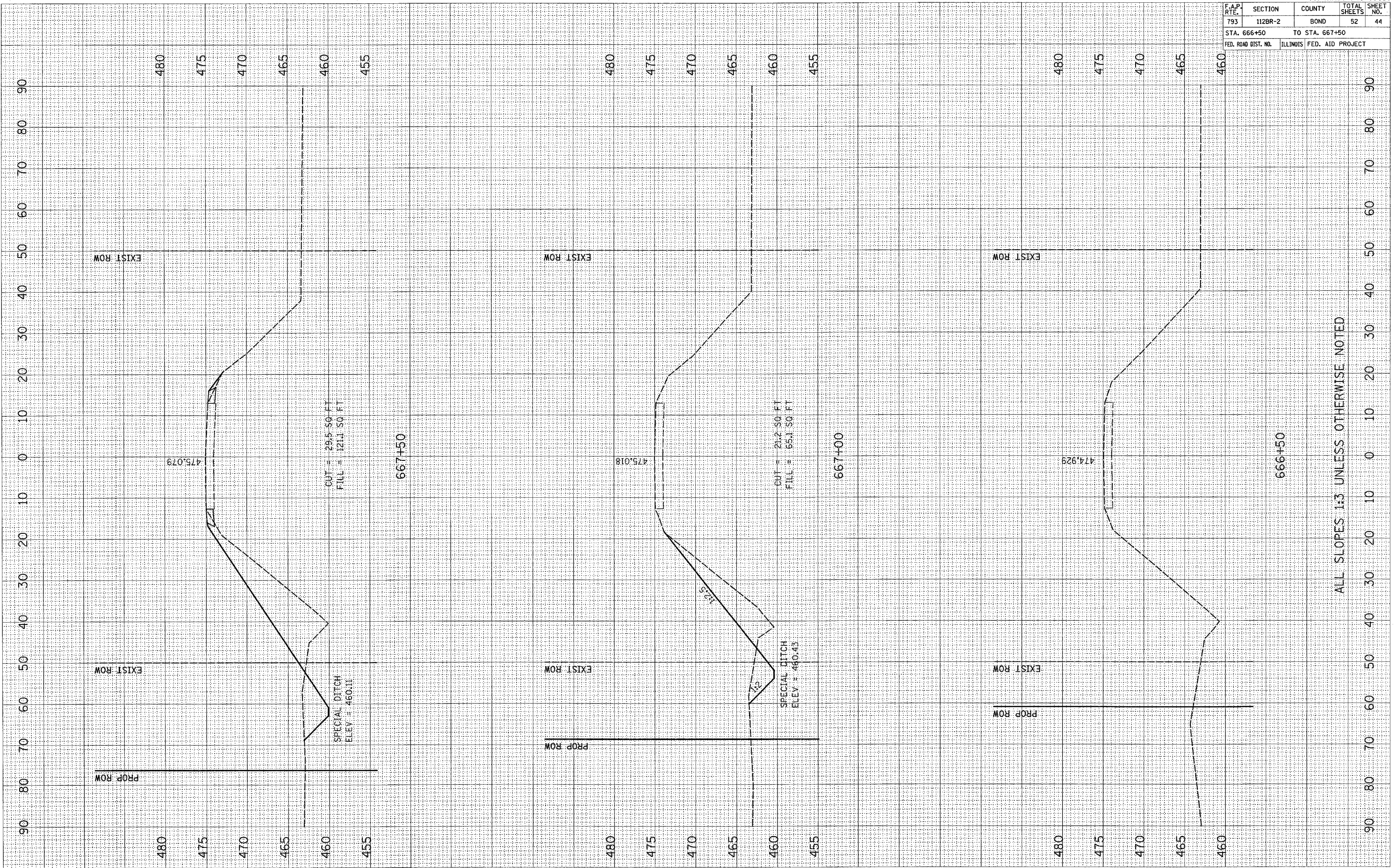
PLOT DATE = 5/1/2007
 FILE NAME = c:\p\projects\76987\plan\plan03795.dgn
 PLOT NO. = 1
 REFERENCE = SHEET 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	44
STA. 666+50		TO STA. 667+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = #DATE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#



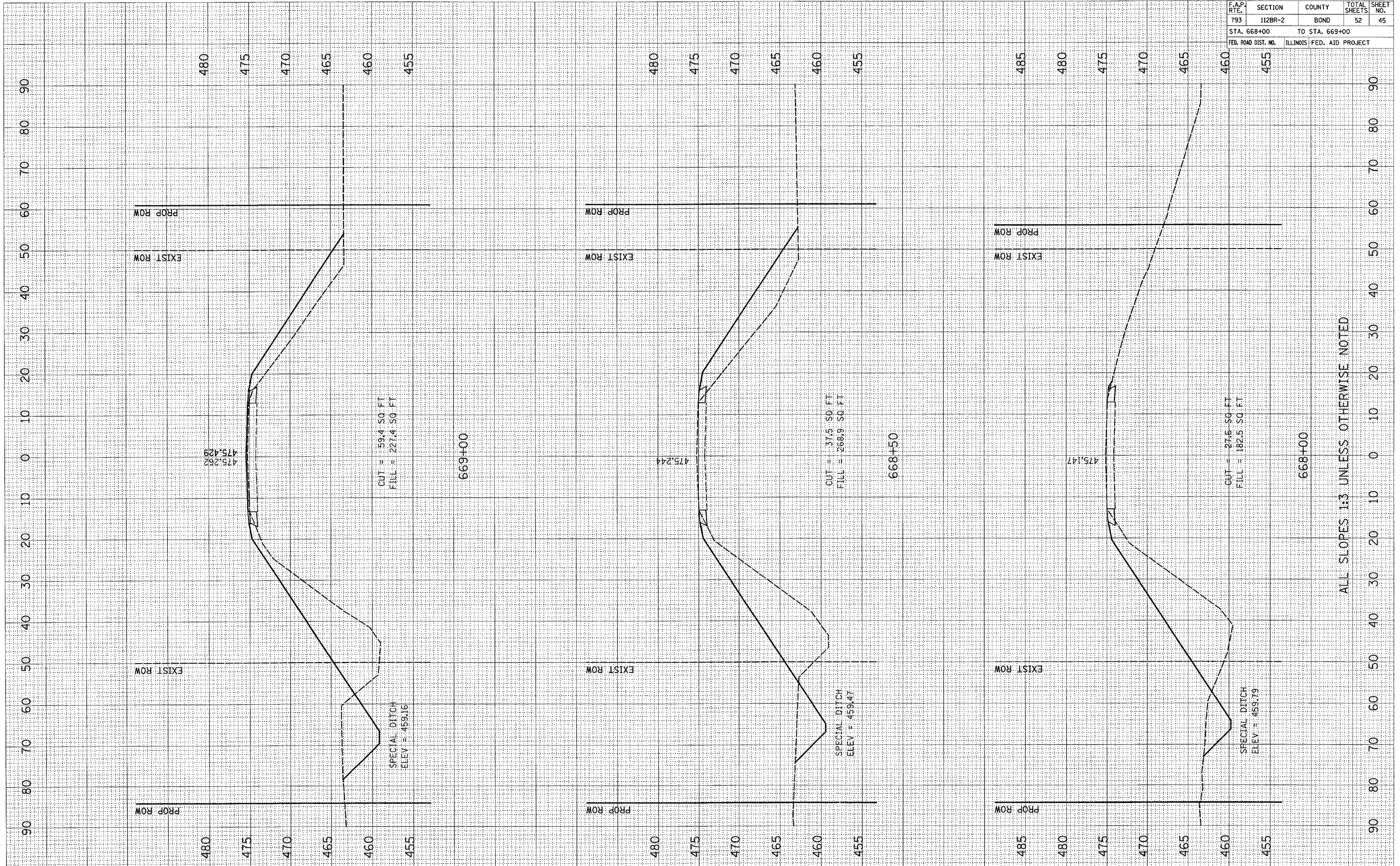
ALL SLOPES 1:3 UNLESS OTHERWISE NOTED

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	45
STA. 668+00		TO STA. 669+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#



ALL SLOPES 1:3 UNLESS OTHERWISE NOTED

MAINLINE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	46
STA. 669+30		TO STA. 672+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

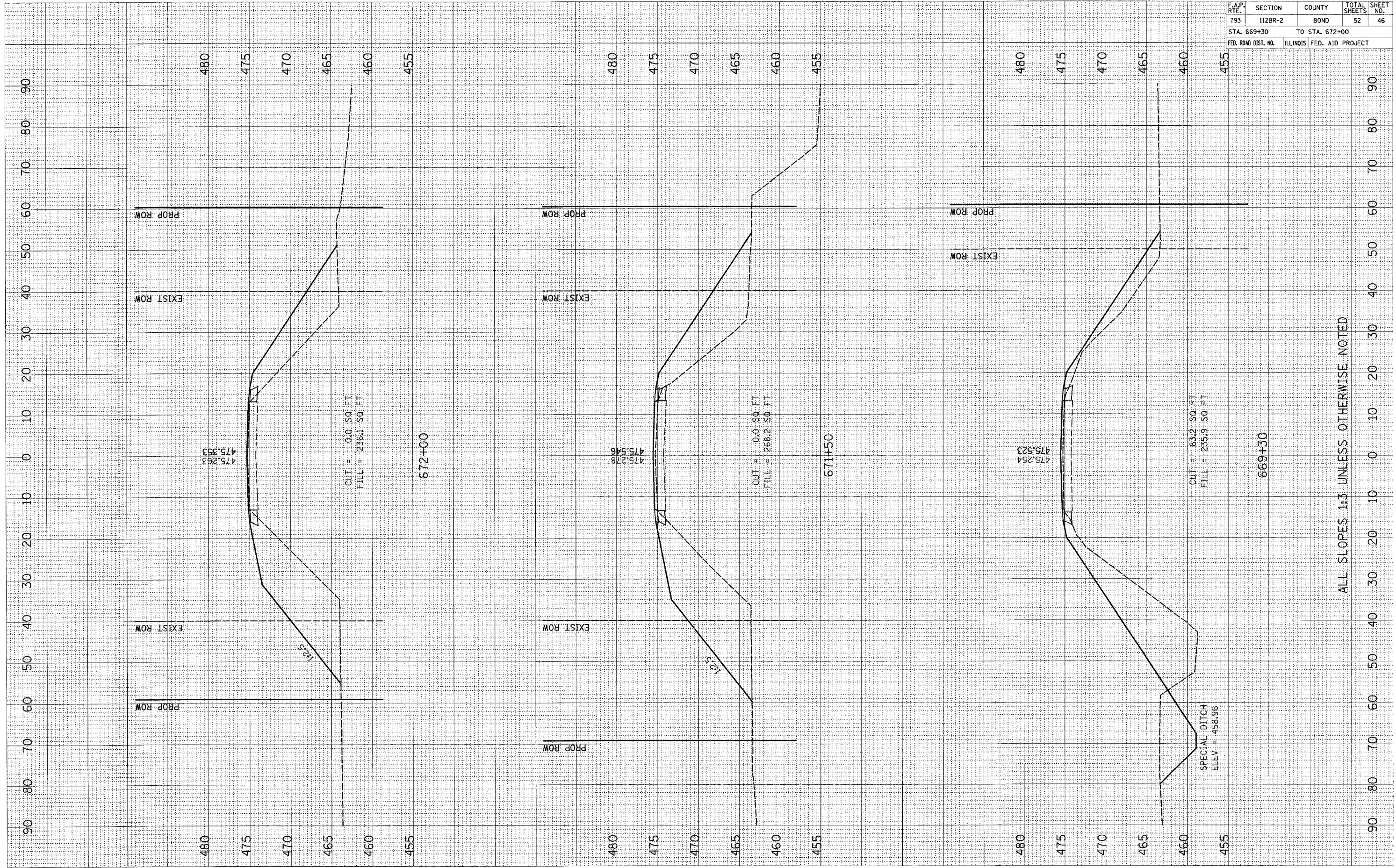
FINAL SURVEY
 SURVEY NO. _____
 PLOTTED TEMPLATE AREAS CHECKED

BY _____ DATE _____

ORIGINAL SURVEY
 SURVEY NO. _____
 PLOTTED TEMPLATE AREAS CHECKED

BY _____ DATE _____

PLOT DATE: #DATE#
 FILE NAME: #FILE#
 PLOT SCALE: #SCALE#
 USER NAME: #USER#



ALL SLOPES 1:3 UNLESS OTHERWISE NOTED

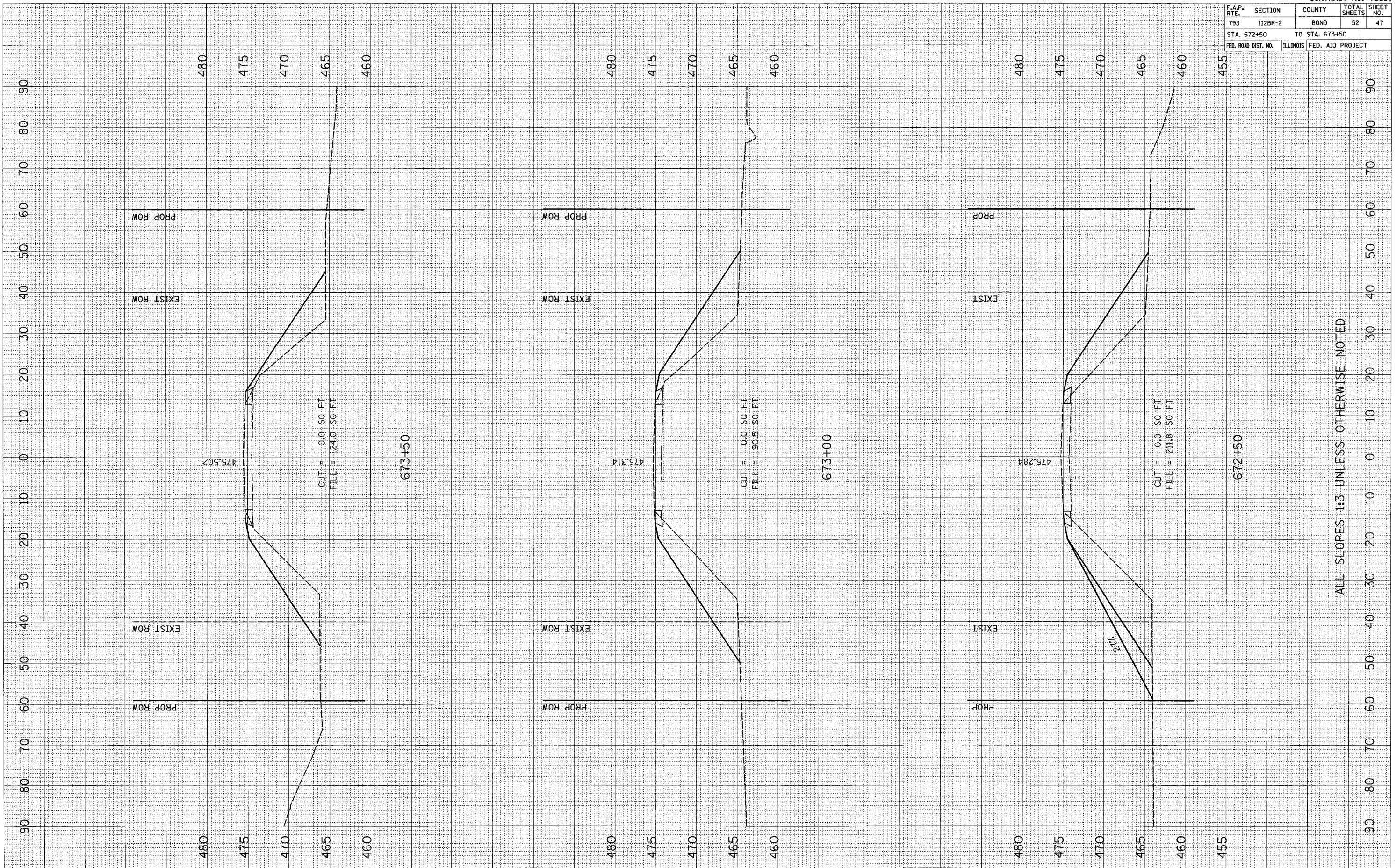
MAINLINE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	47
STA. 672+50		TO STA. 673+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE * * * * *
 PLOT SCALE * * * * *
 USER NAME * * * * *



ALL SLOPES 1:3 UNLESS OTHERWISE NOTED

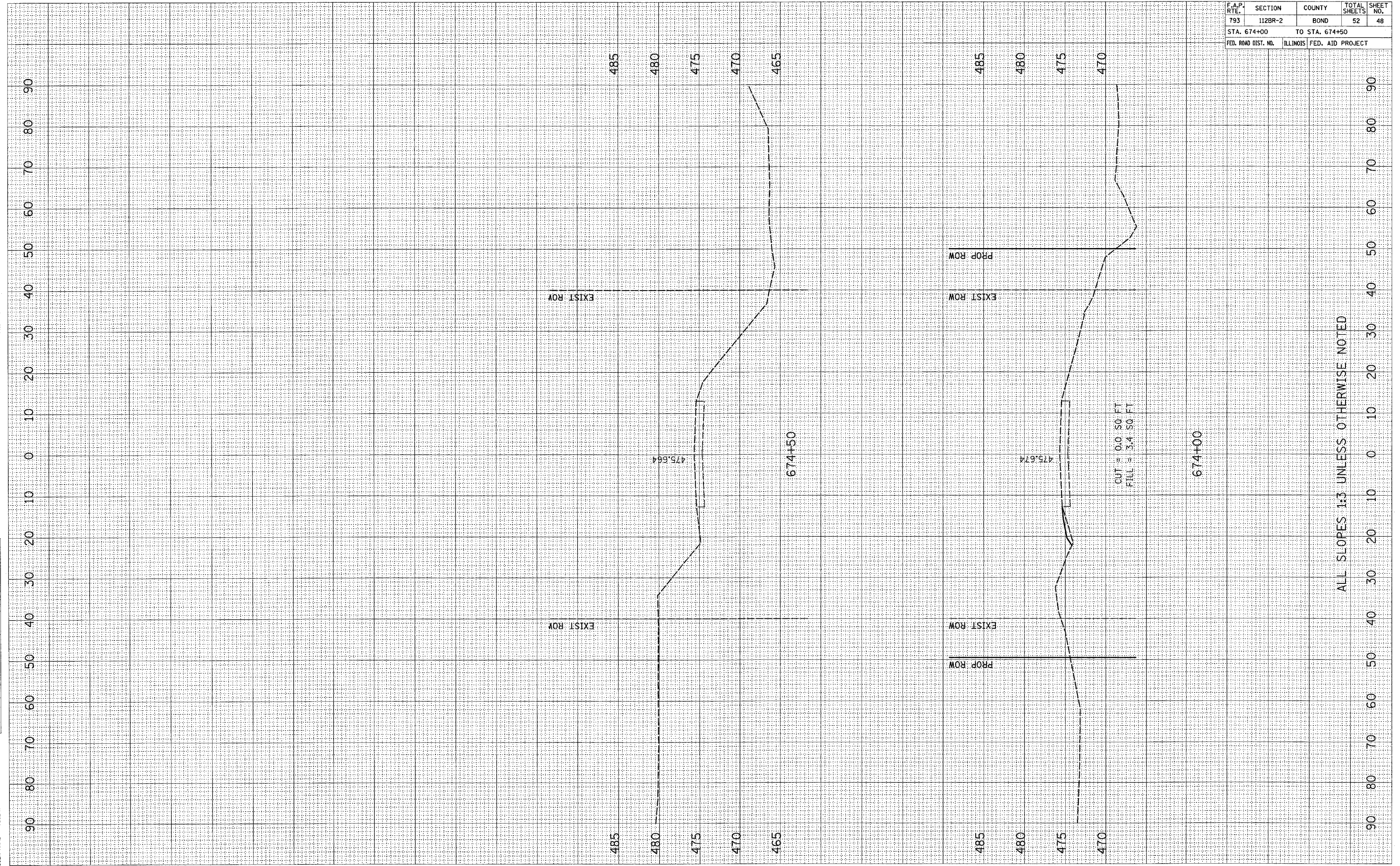
MAINLINE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	48
STA. 674+00		TO STA. 674+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY
 SURVEYED _____ BY _____ DATE _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS _____
 AREAS CHECKED _____

ORIGINAL SURVEY
 SURVEYED _____ BY _____ DATE _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS _____
 AREAS CHECKED _____

PLOT DATE * * * * *
 FILE NAME * * * * *
 PLOT SCALE * * * * *
 USER NAME * * * * *



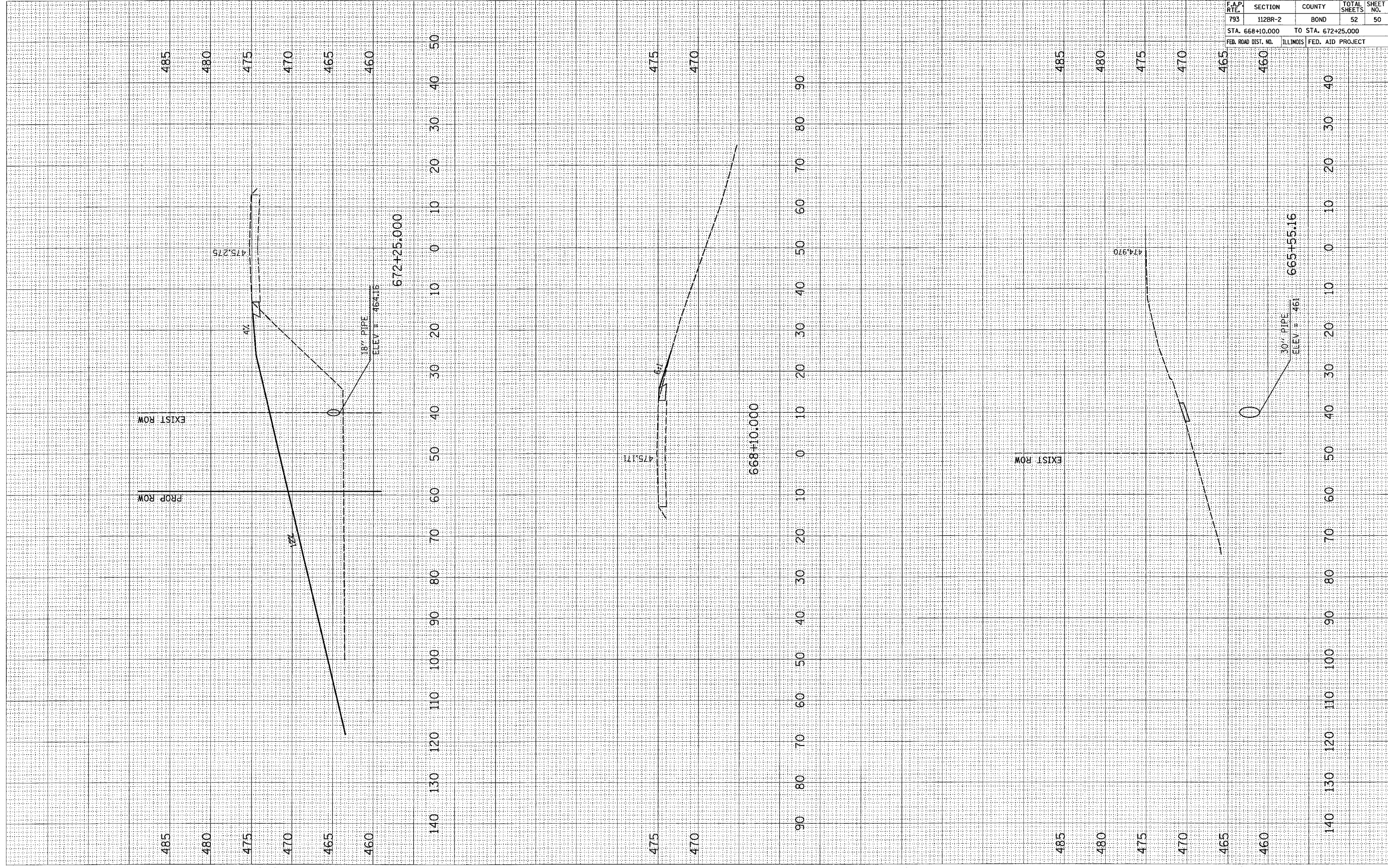
ALL SLOPES 1:3 UNLESS OTHERWISE NOTED

MAINLINE

PLOT DATE = 6/12/2007
 FILE NAME = c:\projects\689795\plan\sheet\689795-55.dwg
 USER NAME = c:\proj

ORIGINAL SURVEY
 SURVEY PLOTTED
 TEMPLATE AREAS CHECKED
 DATE BY

FINAL SURVEY
 SURVEY PLOTTED
 TEMPLATE AREAS CHECKED
 DATE BY



CONTRACT NO. 76897				
F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	50
STA. 668+10.000		TO STA. 672+25.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

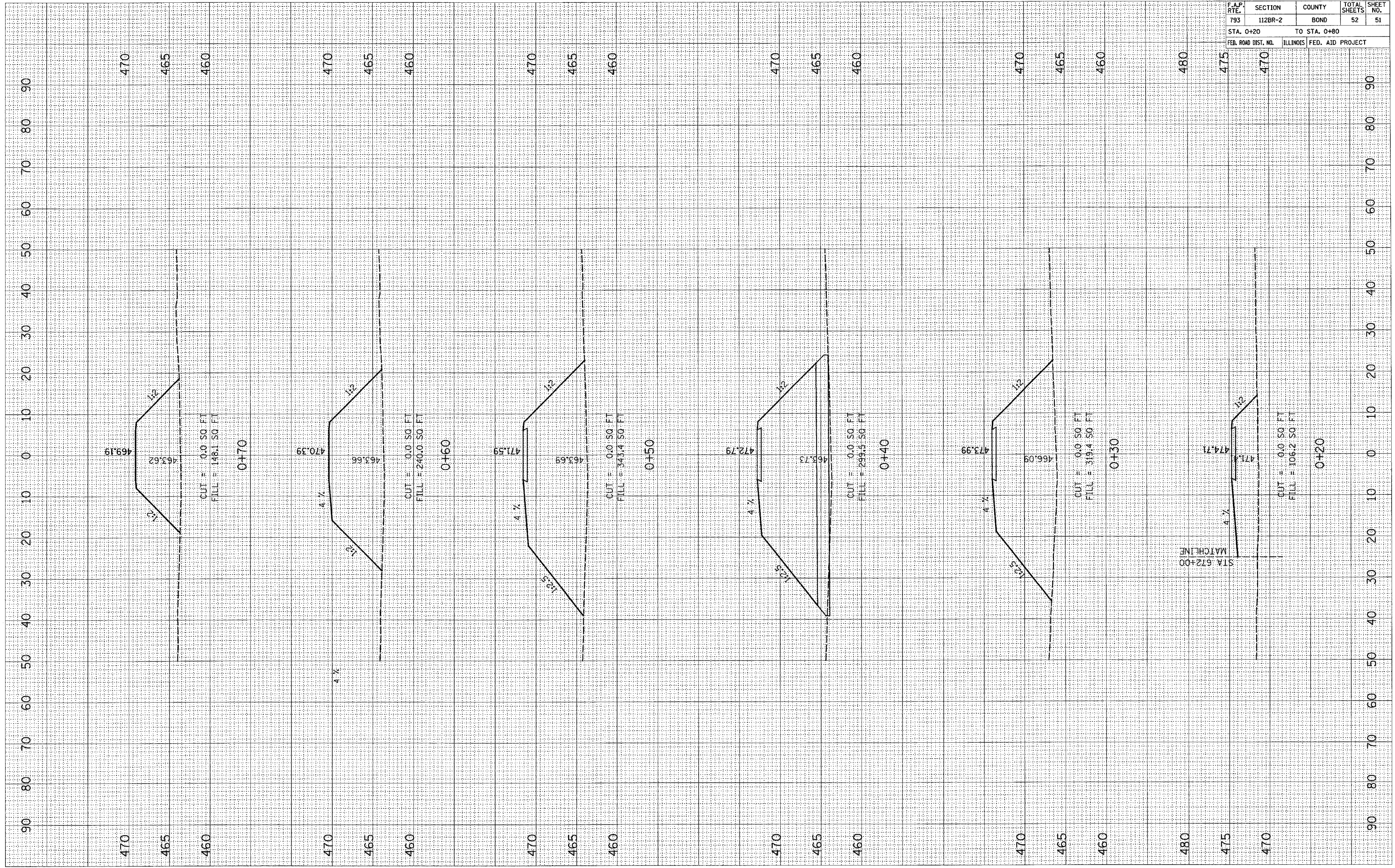
ENTRANCES

PLOT DATE = 4/30/2007
 FILE NAME = c:\pwworkspace\aed3795\plan\sheet0710052.dwg
 USER NAME = ewardj

ORIGINAL SURVEYED
 SURVEY PLOTTED
 FILE NAME = c:\pwworkspace\aed3795\plan\sheet0710052.dwg
 USER NAME = ewardj

FINAL SURVEY
 SURVEY PLOTTED
 FILE NAME = c:\pwworkspace\aed3795\plan\sheet0710052.dwg
 USER NAME = ewardj

BY: _____ DATE: _____
 SURVEYED PLOTTED
 FILE NAME = c:\pwworkspace\aed3795\plan\sheet0710052.dwg
 USER NAME = ewardj



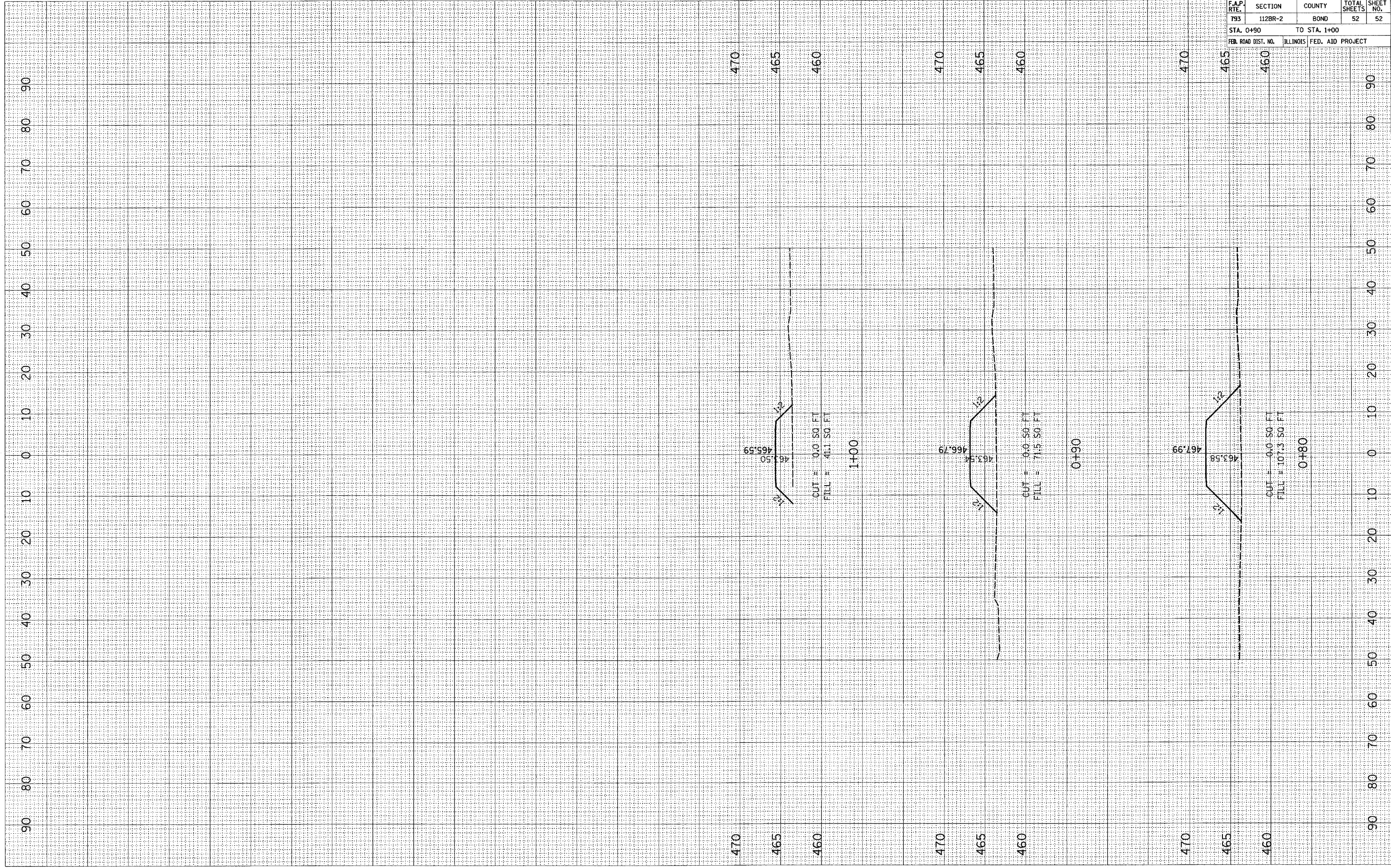
CONTRACT NO. 76897				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	51
STA. 0+20		TO STA. 0+80		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ENTRANCE STA 672+25 LT

PLOT DATE = 4/30/2007
 FILE NAME = c:\proj\cisa\683785\plan\sheet\683785-2.dwg
 PLOT SCALE = 10.0000' / 1" IN.
 USER NAME = owsenj

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

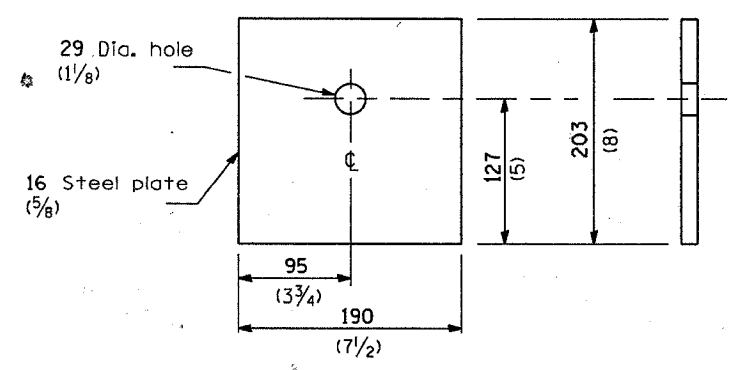
FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



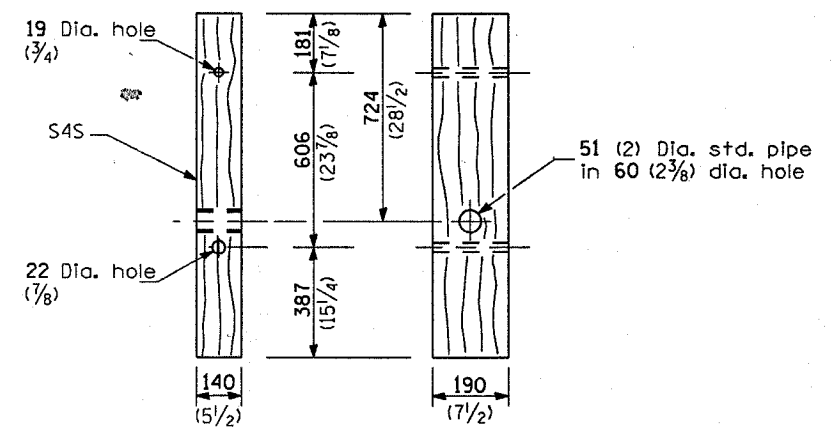
CONTRACT NO. 76897				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	52
STA. 0+90		TO STA. 1+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ENTRANCE STA 672+25 LT

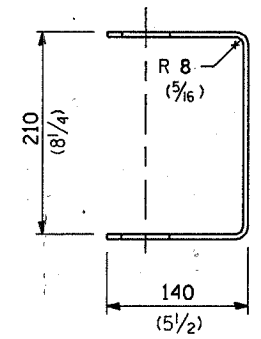
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	112BR-2	BOND	52	52A
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	



BEARING PLATE K

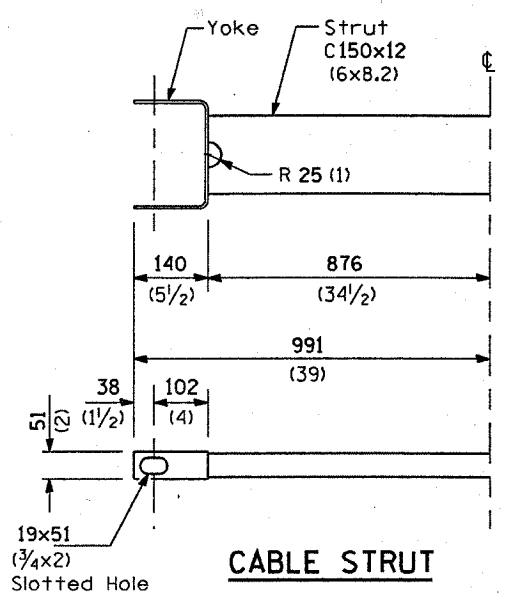


WOOD POST

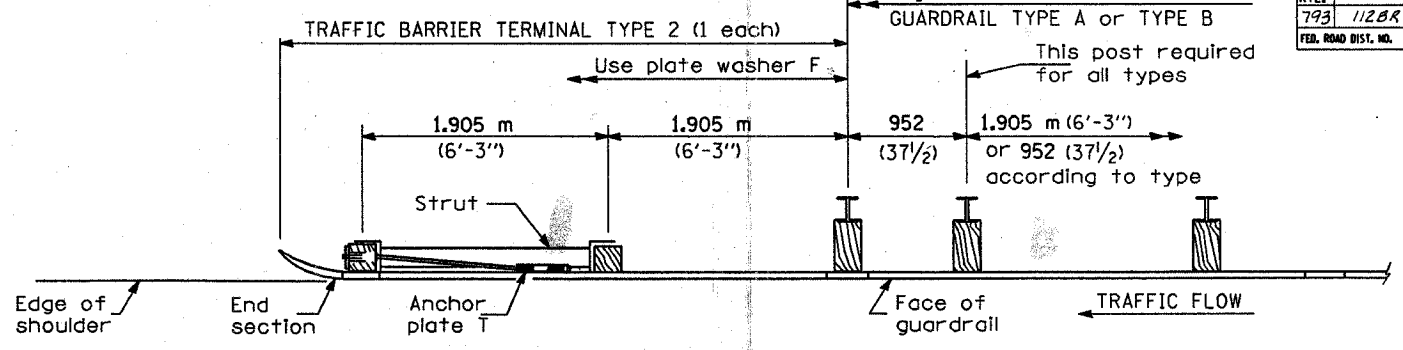


YOKE

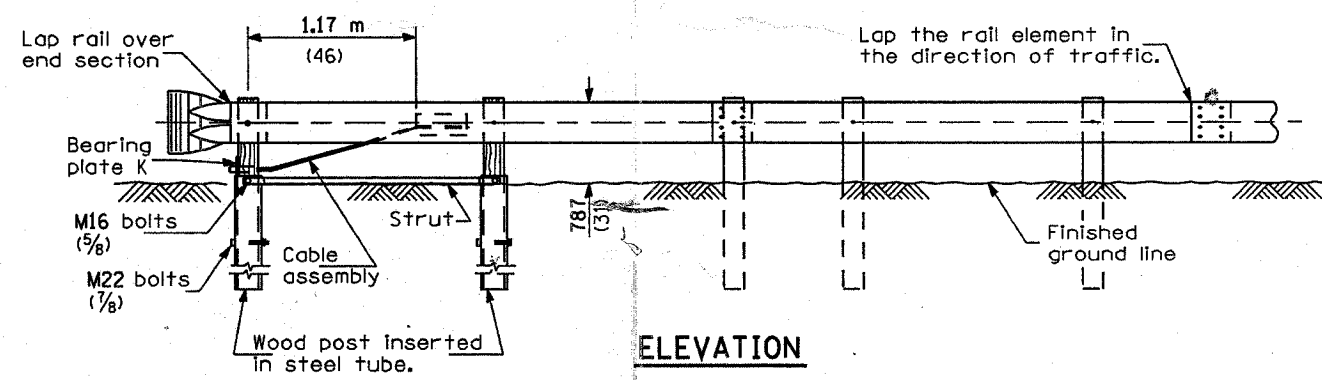
5 (3/16) thick steel



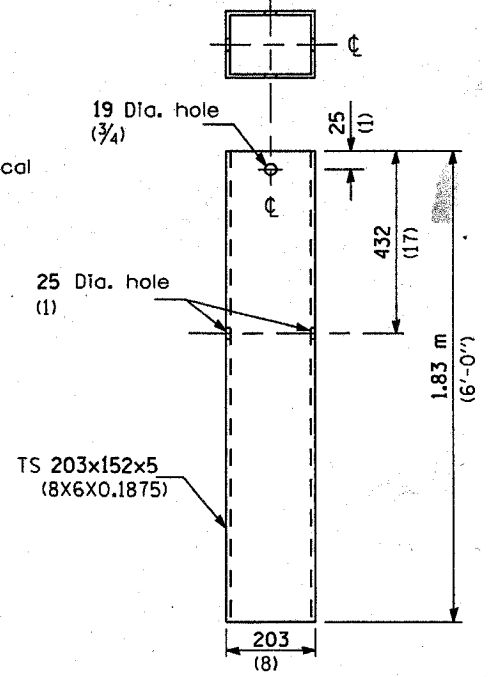
CABLE STRUT



PLAN



ELEVATION



STEEL TUBE

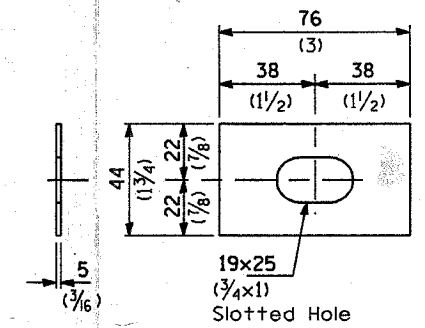


PLATE WASHER F

GENERAL NOTES

See Standard 630001 for details of guardrail not shown.

The bearing plate K shall be held in position by (2) two eight penny nails driven into the post and bent over the top of the plate.

All dimensions are in millimeters (inches) unless otherwise shown.

TRAFFIC BARRIER TERMINAL, TYPE 2

DETAIL