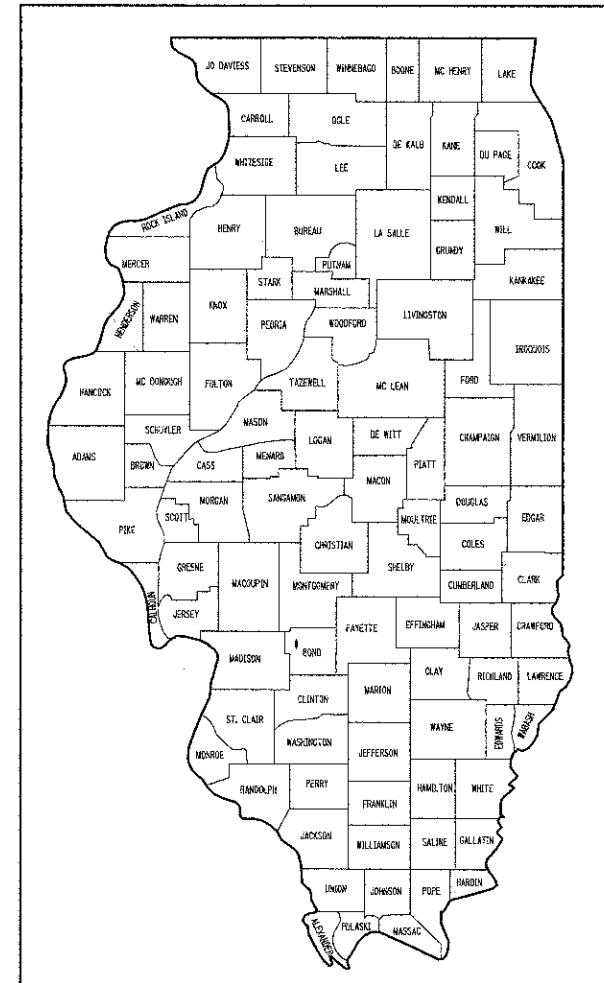


MAJOR BRIDGE PROGRAM

DETAIL PLANS FOR FAS 779 (CH 21 - N. POKEY ROAD) OVER TRIBUTARY TO SHOAL CREEK SECTION 07-00085-00-BR BOND COUNTY

PROJECT NO. BRS-0779(104)
JOB NO. C-98-304-09



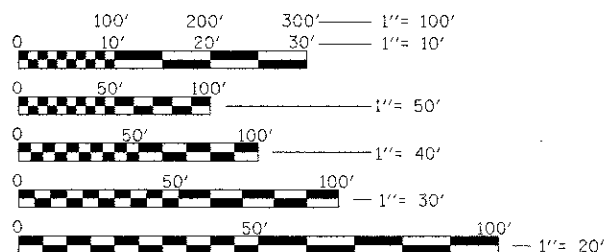
LOCATION OF SECTION INDICATED THUS: [Black Rectangle]

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. SCHEDULES
- 5-6. TYPICAL ROADWAY SECTIONS
- 7-8. PLAN & PROFILE PROPOSED ROADWAY
- 9-10. ROADWAY DETAILS
11. ENTRANCE DETAILS
- 12-13. PLAN & PROFILE EXISTING ROADWAY & REMOVALS
14. DETOUR PLAN
15. TRAFFIC CONTROL PLAN - POST PHASE 1
16. EROSION CONTROL PLAN
- 16A. TREE PLANTING PLAN
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18. GENERAL DATA
19. SUPERSTRUCTURE
20. 21" x 48" P.P.C. DECK BEAM
21. 21" x 48" P.P.C. DECK BEAM DETAILS
22. PILE BENT ABUTMENT
23. PIER DETAILS
24. STEEL RAILING, TYPE SM WITH HOT-MIX ASPHALT WEARING SURFACE
25. HP PILE DETAILS
26. SOIL BORING LOGS
- 27-41. CROSS SECTIONS EXISTING & PROPOSED ROADWAY

HIGHWAY STANDARDS

- | | |
|-----------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-06 | TEMPORARY EROSION CONTROL SYSTEMS |
| 515001-03 | NAME PLATE FOR BRIDGES |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 630001-10 | STEEL PLATE BEAM GUARDRAIL |
| 630201-06 | PCC/HMA STABILIZATION AT STEEL PLATE GUARDRAIL |
| 630301-05 | SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS |
| 631032-07 | TRAFFIC BARRIER TERMINAL, TYPE 6A |
| 635006-03 | REFLECTOR AND TERMINAL MARKER PLACEMENT |
| 701006-03 | OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701306-03 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >45 MPH. |
| 701901-02 | TRAFFIC CONTROL DEVICES |



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.

DESIGN CLASSIFICATION

MAJOR COLLECTOR (NON-URBAN) ADT = 750-2,000
CURRENT ADT = 1,350 (2010)
DESIGN ADT = 1,800 (2032)
DESIGN SPEED = 50 MPH

UTILITIES:

CALL J.U.L.I.E. BEFORE YOU DIG
1-800-892-0123 OR 811

TELEPHONE:

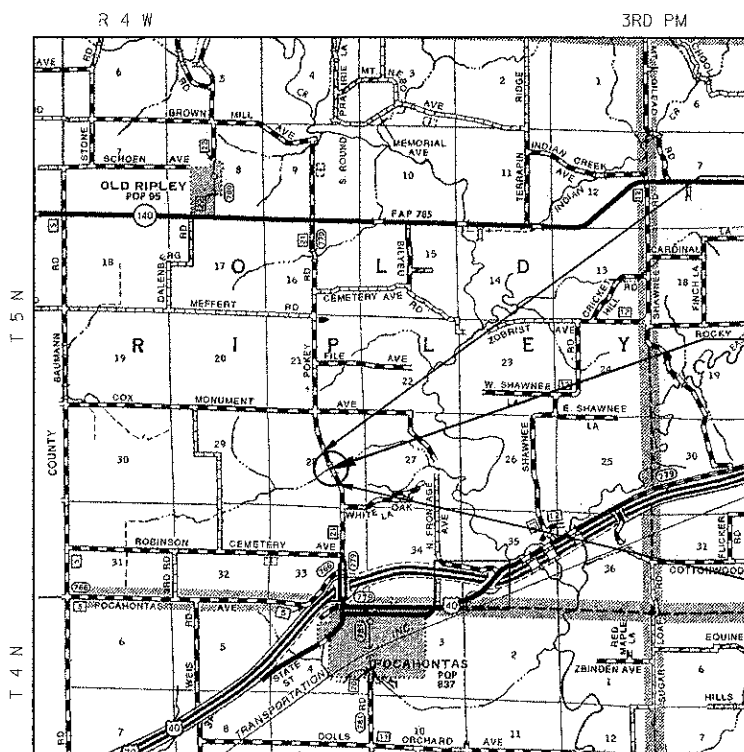
FRONTIER COMMUNICATIONS
ALAMONT, IL. 62411
(618) 483-6205

ELECTRIC:

SOUTHWESTERN ELECTRIC COOP
HIGHLAND, IL. 62249
(618) 664-1025

WATER:

BOND/MADISON WATER CO.
208 ACADEMY STREET
POCAHONTAS, IL. 62275
(618) 659-0900



LOCATION MAP

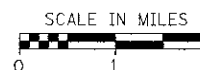
NET LENGTH OF PROJECT = 2,950 FEET = 0.559 MILES

SECTION 07-00085-00-BR
BEGINS STA 16+50

PROJECT LOCATION

EXISTING S.N. 003-3023
PROPOSED STRUCTURE NO. 003-3053 STATION 27+00
THREE SIMPLE SPANS (40' EACH), PRECAST PRESTRESSED
CONCRETE DECK BEAMS (21") ON SPILL THRU PILE BENT
ABUTMENTS AND PILE BENT PIERS MEASURING 120'-0" B-B
OF THE ABUTMENTS WITH A 36'-0" CLEAR ROADWAY WIDTH.

SECTION 07-00085-00-BR
ENDS STA 46+00



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<u>Sept 6</u> 20 <u>12</u> <i>James D. Z...</i> COUNTY ENGINEER
PASSED	<u>9-13</u> 20 <u>12</u> <i>J. Blain</i> DISTRICT 8 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED UPON LIMITED REVIEW	<u>9-13</u> 20 <u>12</u> <i>Omer Osman</i> OMER OSMAN, P.E. DEPUTY DIRECTOR OF HIGHWAYS REGION 5 ENGINEER



Larry D. Gowler Jr. DATE: 9/7/12
LARRY D. GOWLER JR.
REGISTERED PROFESSIONAL
ENGINEER IN ILLINOIS, NO. 52900

EXPIRES: NOVEMBER 30, 2013

CONTRACT NO. 97508

GENERAL NOTES

1. ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
2. THIS PROJECT IS TO CONSIST OF TWO PHASES SEPARATED BY ONE WINTER SEASON.
THE CONSTRUCTION IS GENERALLY DESCRIBED AS:
 - a. PHASE 1 SHALL CONSIST OF CONSTRUCTION OF THE ROADWAY SECTION UP TO AND INCLUDING THE AGGREGATE BASE COURSE. AN A-2 BITUMINOUS SURFACE TREATMENT SHALL BE APPLIED TO THE TOP OF THE AGGREGATE BASE COURSE. EARTHWORK AND SEEDING SHOULD BE COMPLETED DURING PHASE 1 CONSTRUCTION.
 - b. PHASE 2 SHALL CONSIST OF APPLICATION OF THE BITUMINOUS MATERIALS (PRIME COAT) TO THE A-2 BITUMINOUS SURFACE AND THE CONSTRUCTION OF THE HOT-MIX ASPHALT BINDER COURSE AND THE HOT-MIX ASPHALT SURFACE COURSE; THE AGGREGATE SHOULDERS SHALL BE BROUGHT TO FINAL GRADE AFTER CONSTRUCTION OF THE HOT-MIX ASPHALT BINDER AND SURFACE COURSE; AND GUARDRAILS SHALL BE INSTALLED.
 - c. PHASE 2 CONSTRUCTION SHALL COMMENCE AFTER THE ROADWAY HAS EXPERIENCED ONE WINTER SEASON AND SHOULD BE COMPLETED BY EARLY SUMMER 2014. HOT-MIX ASPHALT WORK SHALL NOT BEGIN BEFORE MAY 15TH WITHOUT APPROVAL OF THE ENGINEER.
3. THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
4. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION.
5. ADDITIONAL BITUMINOUS REQUIREMENTS:
 - a. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
 - b. A PRESET GRADE CONTROL STRINGLINE SHALL BE USED FOR THE FULL PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER. ANY GRADING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED AND SEEDING RE-ESTABLISHED BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
8. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY HAVE BEEN CAUSED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL EXISTING UNDERGROUND UTILITIES. THE APPROXIMATE LOCATIONS OF THE KNOWN UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN.
9. THE ELECTRIC AND TELEPHONE LINES WILL BE RELOCATED BY RESPECTIVE UTILITIES AFTER COMPLETION OF TREE REMOVAL.
10. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.
11. ALL SAW CUTTING OF THE EXISTING SURFACES SHALL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF WORK INVOLVED. THE DEPTH OF THE SAW CUT SHALL BE SUFFICIENT TO ALLOW A CLEAN, STRAIGHT EDGE TO BE VISIBLE WHERE THE PROPOSED IMPROVEMENTS MEET THE EXISTING FEATURES.
12. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE FILLS OR CUTS ARE ADJACENT TO THESE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE, IN THE ORIGINAL STATE, AS MUCH AREA AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
13. REMOVAL OF EXISTING AGGREGATE AND OIL & CHIP SURFACE WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. ALL ENTRANCES WITHIN THE PROJECT LIMITS SHALL REMAIN ACCESSIBLE, AS DIRECTED BY THE ENGINEER, THROUGHOUT THE TIME OF CONSTRUCTION.
15. THE CONTRACTOR SHALL GIVE AT LEAST TWO WEEKS NOTICE BEFORE BEGINNING CONSTRUCTION FOR PHASE 1 AND PHASE 2 SO THE ENGINEER MAY GIVE ADEQUATE NOTICE TO ALL EMERGENCY, SCHOOL AND POSTAL SERVICES.

16. REMOVAL OF EXISTING ROW MARKERS WITHIN THE PROJECT LIMITS, FENCES AND DITCH CHECKS OR OTHER OBSTRUCTIONS NOT PAID FOR ELSEWHERE, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
17. REMOVAL OF EXISTING GUARDRAIL SHALL BE CONSIDERED IN THE CONTRACT UNIT PRICE OF REMOVAL OF EXISTING STRUCTURES, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
18. THE FOLLOWING ITEMS SHALL HAVE THE LISTED RESTRICTIONS, ALSO SEE SPECS.

<p><u>ITEM</u> AGGREGATE BASE COURSE, TYPE B</p> <p>AGGREGATE SURFACE COURSE, TYPE B</p> <p>PIPE CULVERTS, CLASS A</p> <p>TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT</p>	<p><u>RESTRICTION</u> SHALL MEET REQUIREMENTS OF ARTICLE 351.05(d) EXCEPT THE BEARING RATIO AND THE DENSITY TESTING SHALL NOT BE REQUIRED. THE MOISTURE CONTENT SHALL BE PUGGED AT 6% - 8%. AGGREGATE SHALL BE PROOF ROLLED TO THE SATISFACTION OF THE ENGINEER.</p> <p>SHALL MEET REQUIREMENTS OF ARTICLE 402.05(d) EXCEPT THE BEARING RATIO AND THE DENSITY TESTING SHALL NOT BE REQUIRED. THE MOISTURE CONTENT SHALL BE PUGGED AT 6% - 8%. AGGREGATE SHALL BE PROOF ROLLED TO THE SATISFACTION OF THE ENGINEER.</p> <p>ONLY REINFORCED CONCRETE PIPE SHALL BE ALLOWED.</p> <p>THE 3.125' OF GUARDRAIL PROVIDED BEYOND THE TYPICAL 50' PAY LENGTH TO MEET THE NEXT TYPICAL SPLICE LOCATION, USING STANDARD RAIL LENGTHS, SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.</p>
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19. TO AVOID THE POTENTIAL FOR DESTROYING INDIANA BATS, THERE SHALL BE NO TREE CLEARING FROM APRIL 1 THROUGH SEPTEMBER 30.

APPLICATION RATES

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

NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS CONCRETE	112 LBS/SY/IN
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE	<u>BITUMINOUS MATERIALS (PRIME COAT)</u>	
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS/OIL & CHIP SURFACE	0.08 GAL/SY
MULCH METHOD 2	2 TONS/ACRE	AGGREGATE SURFACE	0.375 GAL/SY
GRANULAR MATERIAL	2.05 TONS/CY	<u>AGGREGATE (PRIME COAT)</u>	
RIPRAP	1.6 TONS/CY	BITUMINOUS/OIL & CHIP SURFACE	3 LBS/SY
TEMPORARY DITCH CHECKS	10 FT/DITCH CHECK	AGGREGATE SURFACE	5 LBS/SY
		<u>A-2 BITUMINOUS SURFACE TREATMENT</u>	
		2 COATS OF HFE - 150: 1ST AT	0.40 GAL/SY
		2ND AT	0.35 GAL/SY
		COVER COAT AGGREGATE	20 LBS/SY
		SEAL COAT AGGREGATE	20 LBS/SY

FILE NAME H:\5718\C22.GYTS\3770.dgn	USER NAME - USER\JESR	DESIGNED K.M.M.	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	FAS RTE 779	SECTION 07-0085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 2		
	PLOT SCALE = 20.0000' = 1" PL	DRAWN K.H.L.	REVISED			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FEDERAL AID PROJECT
	PLOT DATE = 1/10/2012	CHECKED L.D.G.	REVISED									CONTRACT NO. 97508
		DATE	REVISED									

SUMMARY OF QUANTITIES

SPEC. PROV. SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	20100500	TREE REMOVAL, ACRES	ACRE	1.2
*	20200100	EARTH EXCAVATION	CU YD	7,660
*	20300100	CHANNEL EXCAVATION	CU YD	1,193
*	20400800	FURNISHED EXCAVATION	CU YD	12,980
*	20800150	TRENCH BACKFILL	CU YD	96
#	25000210	SEEDING, CLASS 2A	ACRE	6.1
#	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	549
#	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	549
#	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	549
#	25100115	MULCH, METHOD 2	ACRE	6.1
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	610
*	28000305	TEMPORARY DITCH CHECKS	FOOT	90
*	28000315	AGGREGATE DITCH CHECKS	TON	24
	28000400	PERIMETER EROSION BARRIER	FOOT	320
*	28100807	STONE DUMPED RIPRAP, CLASS A4	TON	36
*	28100809	STONE DUMPED RIPRAP, CLASS A5	TON	627
*	35101400	AGGREGATE BASE COURSE, TYPE B	TON	5,056
*	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	550
	40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	6,132
	40300500	COVER COAT AGGREGATE	TON	82
	40300600	SEAL COAT AGGREGATE	TON	82
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,420
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,414
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,239
	40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	875
	48100100	AGGREGATE SHOULDERS, TYPE A	TON	920
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
	50105220	PIPE CULVERT REMOVAL	FOOT	280
	50200100	STRUCTURE EXCAVATION	CU YD	114
	50300225	CONCRETE STRUCTURES	CU YD	69.0
	50300280	CONCRETE ENCASEMENT	CU YD	71.4
	50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	4,266
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	8,840
#	50901050	STEEL RAILING, TYPE SM	FOOT	240
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	828
	51202305	DRIVING PILES	FOOT	372

SPEC. PROV. SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	51203600	TEST PILE STEEL HP12X53	EACH	1
	51500100	NAME PLATES	EACH	1
	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	40
	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	32
	542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	40
	542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	320
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2
	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	6
	58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	475
	58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	950
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	28.0
#	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
#	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
	67100100	MOBILIZATION	L SUM	1
#	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
*	Z0065000	SETTING PILES IN ROCK	EACH	12
#	B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	25
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

FILE NAME S:\5798\03_SDT\5798.dgn	USER NAME JUSEP/RESR	DESIGNED K.M.M.	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED L.D.G.	DRAWN K.H.L.	REVISED -
PLOT DATE = 9/28/2012	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

FAS RTE 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 3
SN 003-3053			CONTRACT NO. 97508	
ILLINOIS FEDERAL AID PROJECT				

CULVERT SCHEDULE

LOCATION		PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS A, TYPE 1 18"	PIPE CULVERTS, CLASS A, TYPE 1 24"	PIPE CULVERTS, CLASS A, TYPE 1 30"	PIPE CULVERTS, CLASS A, TYPE 2 36"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	TRENCH BACKFILL
INV EL		FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	CU YD
ENTRANCE											
18+84	LT STA 18+68.55 31.85' 540.01 TO STA 19+08.55 31.96' 538.09	24			40				2		
24+80	LT STA 24+51.35 38.21' 511.81 TO STA 25+44.22 66.06' 503.92									2	
26+18	LT STA 25+31.57 19.88' TO STA 25+73.70 17.99'	43									
25+49	RT STA 25+20.62 36.71' TO STA 25+76.82 43.02'	57									
28+63	LT STA 28+43.95 11.46' TO STA 28+76.06 10.20'	32									
29+20	LT STA 27+98.42 77.79' 493.87 TO STA 29+49.44 60.48' 507.05					152				2	
36+09	LT STA 36+07.40 37.14' TO STA 36+10.73 51.87'	15									
36+17	LT STA 35+93.06 31.76' 544.21 TO STA 36+33.06 30.18' 545.89	37	40				2				
AR 42+42	CTR STA 42+42.00 42.7' L 540.90 TO STA 42+42.00 53.5' RT 536.50					80				2	60.0
AR 42+79	CTR STA 42+77.14 26.38' TO STA 42+79.80 25.53'	52									36.0
43+61	LT STA 43+44.27 34.87' 542.06 TO STA 43+76.27 32.63' 542.34	20		32					2		
TOTAL		280	40	32	40	320	2	2	2	6	96
USE		280	40	32	40	320	2	2	2	6	96

ENTRANCE SCHEDULE

LOCATION			AGG SURFACE COURSE, TYPE B
STA.	TYPE	FE	TON
18+84	LT	FE	39
24+80	LT	FE	182
29+20	LT	FE	171
36+17	LT	PE	98
37+87	RT	FE	26
43+61	LT	FE	34

HMA MIXTURE REQUIREMENTS

ROUTE	FAS 779 (CH 21)
SECTION	07-00085-00-BR
COUNTY	BOND
CONTRACT	97508

DESCRIPTION: POKEY RD. OVER TRIB. TO SHOAL CREEK
20 YR. ESAL'S: 0.25

MIXTURE USE	SURFACE	BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	0%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICITION AGG	MIXTURE C	N/A

EARTHWORK SCHEDULE

(SEE SPECIAL PROVISIONS)

LOCATION		A	B	C	D	E = C - D
		CHANNEL EXCAVATION	EARTH EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE/LOSS	REQUIRED FILL	BALANCE: WASTE (+) OR SHORTAGE (-)
		CU YD	CU YD	CU YD	CU YD	CU YD
STA 16+50.00	TO STA 23+00.00		1,672.0	1,254.0	996.0	258.0
STA 23+00.00	TO STA 26+40.00 (NORTH ABUTMENT)		1,027.0	770.3	5,788.0	-5,017.8
STA 26+40.00 (NORTH ABUTMENT)	TO STA 27+60.00 (SOUTH ABUTMENT)	1,193.0		894.8	932.0	-37.3
STA 27+60.00 (SOUTH ABUTMENT)	TO STA 32+00.00		809.0	606.8	9,939.0	-9,332.3
STA 32+00.00	TO STA 34+50.00		899.0	674.3	409.0	265.3
STA 34+50.00	TO STA 40+50.00		1,806.0	1,354.5	467.0	887.5
STA 40+50.00	TO STA 46+00.00		1,447.0	1,085.3	869.0	216.3
TOTAL		1,193.0	7,660.0	5,554.5	19,400.0	-12,976.5
USE		1,193	7,660	5,555	19,400	12,980

NOTES:
QUANTITIES ESTIMATED FROM CROSS-SECTION END AREAS.
SCHEDULE ASSUMES A 25% SHRINKAGE/LOSS FACTOR.
COLUMN "A" - CUT MATERIAL FROM THE CHANNEL (CHANNEL EXCAVATION)
COLUMN "B" - CUT MATERIAL OUTSIDE THE CHANNEL (EARTH EXCAVATION)
COLUMN "C" - CUT MATERIAL ADJUSTED FOR SHRINKAGE/LOSS AND SUITABLE FOR EMBANKMENT (NOT A PAY ITEM)
COLUMN "D" - REQUIRED FILL MATERIAL (NOT A PAY ITEM)
COLUMN "E" - BALANCE OF CUT MATERIAL AND FILL MATERIAL (FURNISHED EXCAVATION)

TREE REMOVAL SCHEDULE

LOCATION							TREE REMOVAL, ACRES
							ACRE
STA 21+78.00	LT	TO	STA 25+63.00	LT			0.30
STA 26+42.00	LT	TO	STA 27+74.00	LT			0.16
STA 28+59.00	LT	TO	STA 31+63.00	LT			0.44
STA 37+12.00	LT	TO	STA 42+19.00	LT			0.23
STA 44+50.00	LT	TO	STA 46+00.00	LT			0.05
TOTAL							1.18
USE							1.2

THERE SHALL BE NO TREE CLEARING FROM APRIL 1 THROUGH SEPTEMBER 30.

EXTRA BARS FOR TEST SAMPLES

BAR	NO.	SIZE	LENGTH	SHAPE
h ₁ (E)	1	#7	14'-5"	—
h ₃ (E)	1	#4	17'-5"	—
u(E)	1	#6	10'-4"	≡
v(E)	1	#5	6'-4"	—

THESE BARS SHALL BE IDENTICAL TO AND DELIVERED WITH THE BARS OF THE SAME MARK LISTED IN THE STRUCTURE SHEETS. ONE BAR OF EACH OF THESE MARKS WILL BE SELECTED BY THE ENGINEER TO BE USED AS A TEST SAMPLE.

THIS CHART ASSUMES THAT ALL BARS OF THE SAME SIZE ON THE JOB WILL HAVE THE SAME HEAT NUMBER. IF BARS OF THE SAME SIZE ON THE JOB HAVE DIFFERENT HEAT NUMBERS, THEN THE CONTRACTOR SHALL SUPPLY ADDITIONAL BARS FROM OTHER HEAT NUMBERS FOR SAMPLING BY THE ENGINEER AT NO ADDITIONAL COST.

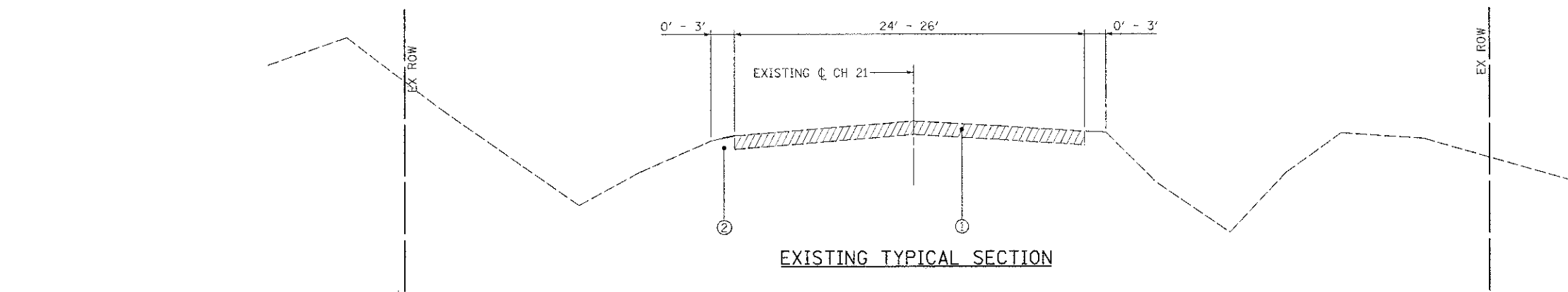
PHASE 2 WORK ITEMS

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	Phase 1	Phase 2
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	550	50	500
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,420		1,420
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,414		1,414
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,239		2,239
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	875	141	734
48100100	AGGREGATE SHOULDERS, TYPE A	TON	920		920
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4
67100100	MOBILIZATION	L SUM	1	0.9	0.1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.9	0.1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.9	0.1

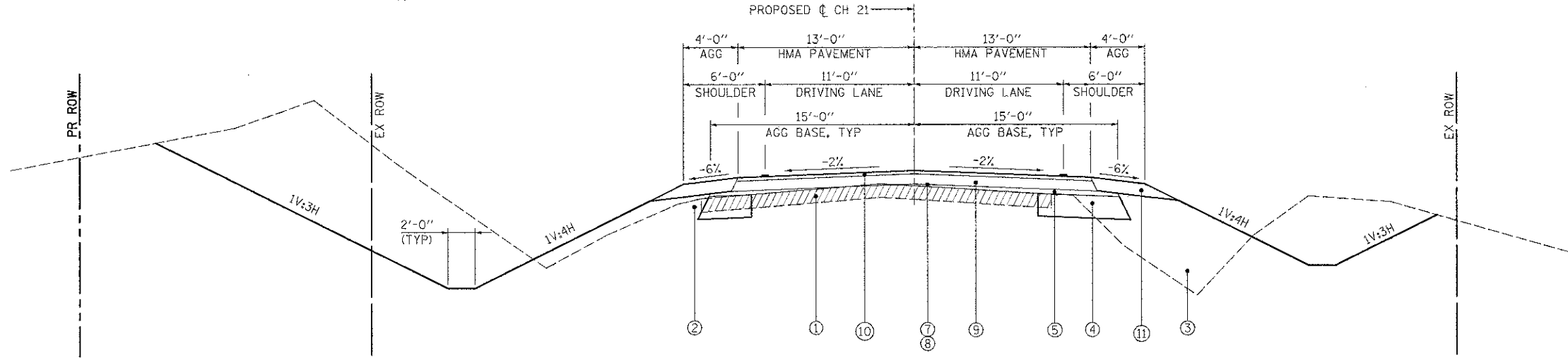
PAY ITEMS NOT INCLUDED IN THE ABOVE TABLE SHALL BE COMPLETED IN PHASE 1.

PAVING SCHEDULE

LOCATION		AGGREGATE BASE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	HMA SURFACE REMOVAL - BUTT JOINT	HMA BINDER COURSE, IL-19.0, N70	HMA SURFACE COURSE, MIX "C", N70	AGGREGATE SHOULDERS, TYPE A
		TON	GALLON	SQ YD	TON	TON	TON
STA 16+50.00	TO STA 23+00.00	800	307	347	485	159	234
STA 23+00.00	TO STA 25+03.00	396	96		151	50	73
STA 25+03.00	TO STA 26+40.00	319	106	360	167	55	
BRIDGE OMISSION							
STA 27+60.00	TO STA 28+97.00	319	106	360	167	55	
STA 28+97.00	TO STA 32+00.00	591	143		226	74	109
STA 32+00.00	TO STA 34+50.00	564	118		186	61	90
STA 34+50.00	TO STA 40+50.00	1171	284		447	146	216
STA 40+50.00	TO STA 46+00.00	896	260	347	410	134	198
TOTAL		5,056	1,420	1,414	2,239	734	920
USE		5,056	1,420	1,414	2,239	734	920

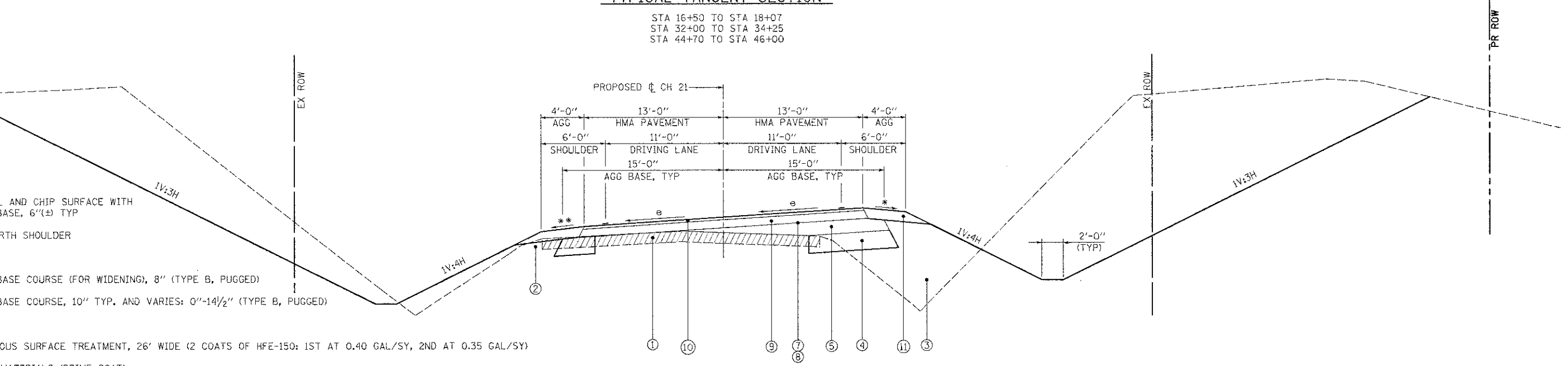


EXISTING TYPICAL SECTION



PROPOSED OVERLAY WITH WIDENING
TYPICAL TANGENT SECTION

STA 16+50 TO STA 18+07
STA 32+00 TO STA 34+25
STA 44+70 TO STA 46+00



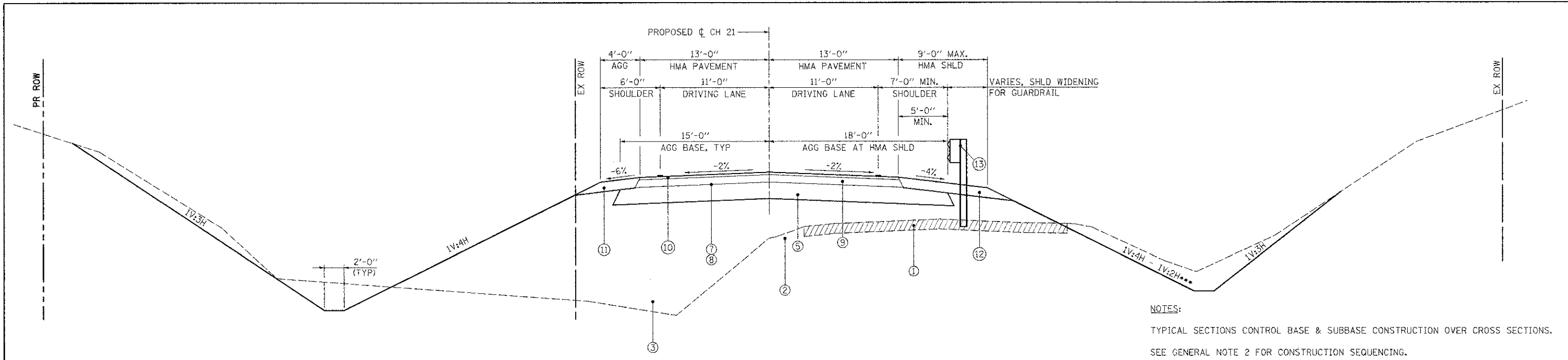
PROPOSED OVERLAY WITH WIDENING
TYPICAL SUPERELEVATED SECTION

STA 18+07 TO STA 23+00
STA 34+25 TO STA 34+50
STA 40+50 TO STA 44+70

- NOTES:**
- TYPICAL SECTIONS CONTROL BASE & SUBBASE CONSTRUCTION OVER CROSS SECTIONS.
 - SEE GENERAL NOTE 2 FOR CONSTRUCTION SEQUENCING.
 - SEE GENERAL NOTES AND SPECIFICATIONS FOR AGGREGATE TYPE B REQUIREMENTS.
 - A PRESET GRADE CONTROL STRINGLINE SHALL BE USED FOR THE FULL PROJECT. SEE GENERAL NOTES.
 - WIDENING DUE TO PROPOSED REALIGNMENT MAY BE ON ONE OR BOTH SIDES. SEE PLAN AND PROFILE SHEETS AND CROSS SECTIONS.
 - GUARDRAIL MAY BE LOCATED ON ONE SIDE, BOTH SIDES OR NEITHER SIDE. SEE PLAN AND PROFILE SHEETS FOR EXACT LOCATIONS OF PROPOSED GUARDRAIL.
 - * WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 2%, THE AGGREGATE SHOULDER SLOPE SHALL BE 6%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 2%, THE AGGREGATE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT SLOPE AND THE AGGREGATE SHOULDER SLOPE IS NOT GREATER THAN 8%.
 - ** THE AGGREGATE SHOULDER'S SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE OF THE PAVEMENT AFTER THE PAVEMENT EXCEEDS THE STANDARD AGGREGATE SHOULDER SLOPE.

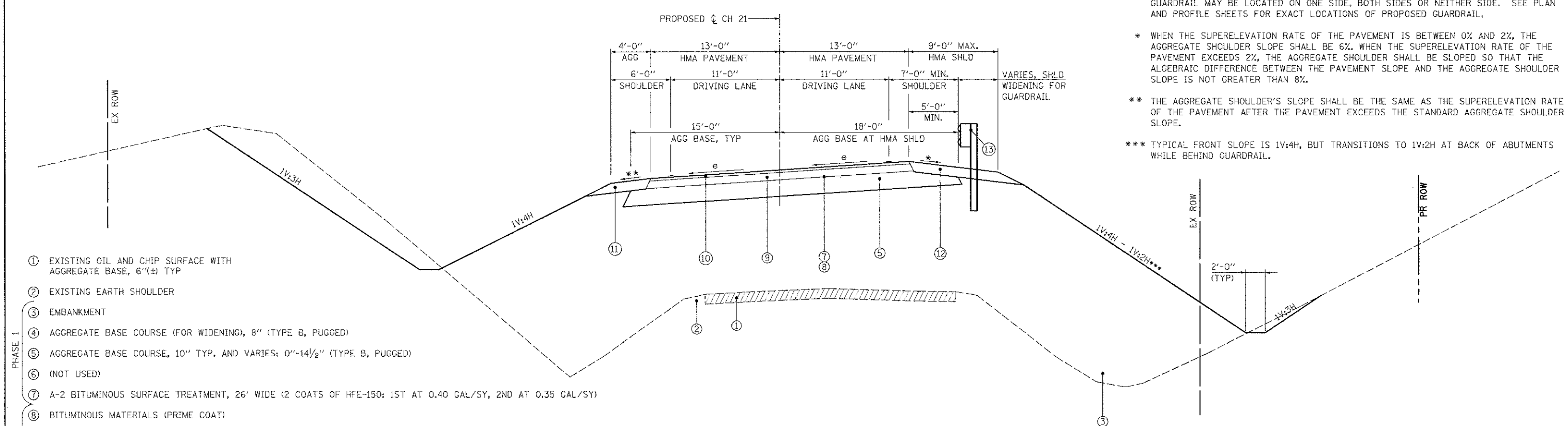
- PHASE 1
- 1 EXISTING OIL AND CHIP SURFACE WITH AGGREGATE BASE, 6" (±) TYP
 - 2 EXISTING EARTH SHOULDER
 - 3 EMBANKMENT
 - 4 AGGREGATE BASE COURSE (FOR WIDENING), 8" (TYPE B, PUGGED)
 - 5 AGGREGATE BASE COURSE, 10" TYP. AND VARIES: 0"-14 1/2" (TYPE B, PUGGED)
 - 6 (NOT USED)
 - 7 A-2 BITUMINOUS SURFACE TREATMENT, 26' WIDE (2 COATS OF HFE-150; 1ST AT 0.40 GAL/SY, 2ND AT 0.35 GAL/SY)
 - 8 BITUMINOUS MATERIALS (PRIME COAT)
- PHASE 2
- 9 HOT-MIX ASPHALT BINDER COURSE, 4 1/2"
 - 10 HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
 - 11 AGGREGATE SHOULDERS, 6"
 - 12 HOT-MIX ASPHALT SHOULDER AT GUARDRAIL WIDENING (1 1/2" HMA SURFACE CSE. OVER 4 1/2" HMA BINDER CSE.)
 - 13 GUARDRAIL

FILE NAME = H:\5790\NC-05-06_TypSec_5790.dgn	USER NAME = JUSERDEFCH	DESIGNED - K.M.M.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL ROADWAY SECTIONS			FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLCT SCALE = 5.0000' / 1"	DRAWN - K.H.L.	REVISED -		779	07-00085-00-BR	BOND	41	5			
	PLCT DATE = 9/7/2012	CHECKED - L.D.G.	REVISED -		SN 003-3053			CONTRACT NO. 97508				
		DATE	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.		ILLINOIS FEDERAL AID PROJECT		



**PROPOSED NEW CONSTRUCTION
TYPICAL TANGENT SECTION**

STA 26+23 TO STA 26+40
STA 27+60 TO STA 32+00



**PROPOSED NEW CONSTRUCTION
TYPICAL SUPERELEVATED SECTION**

STA 23+00 TO STA 26+23
STA 34+50 TO STA 40+50

NOTES:

TYPICAL SECTIONS CONTROL BASE & SUBBASE CONSTRUCTION OVER CROSS SECTIONS.
SEE GENERAL NOTE 2 FOR CONSTRUCTION SEQUENCING.
SEE GENERAL NOTES AND SPECIFICATIONS FOR AGGREGATE TYPE B REQUIREMENTS.
A PRESET GRADE CONTROL STRINGLINE SHALL BE USED FOR THE FULL PROJECT.
SEE GENERAL NOTES.

WIDENING DUE TO PROPOSED REALIGNMENT MAY BE ON ONE OR BOTH SIDES. SEE PLAN AND PROFILE SHEETS AND CROSS SECTIONS.
GUARDRAIL MAY BE LOCATED ON ONE SIDE, BOTH SIDES OR NEITHER SIDE. SEE PLAN AND PROFILE SHEETS FOR EXACT LOCATIONS OF PROPOSED GUARDRAIL.

* WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 2%, THE AGGREGATE SHOULDER SLOPE SHALL BE 6%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 2%, THE AGGREGATE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT SLOPE AND THE AGGREGATE SHOULDER SLOPE IS NOT GREATER THAN 8%.

** THE AGGREGATE SHOULDER'S SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE OF THE PAVEMENT AFTER THE PAVEMENT EXCEEDS THE STANDARD AGGREGATE SHOULDER SLOPE.

*** TYPICAL FRONT SLOPE IS 1V:4H, BUT TRANSITIONS TO 1V:2H AT BACK OF ABUTMENTS WHILE BEHIND GUARDRAIL.

- ① EXISTING OIL AND CHIP SURFACE WITH AGGREGATE BASE, 6" (TYP)
- ② EXISTING EARTH SHOULDER
- ③ EMBANKMENT
- ④ AGGREGATE BASE COURSE (FOR WIDENING), 8" (TYPE B, PUGGED)
- ⑤ AGGREGATE BASE COURSE, 10" TYP. AND VARIES: 0"-14 1/2" (TYPE B, PUGGED)
- ⑥ (NOT USED)
- ⑦ A-2 BITUMINOUS SURFACE TREATMENT, 26' WIDE (2 COATS OF HFE-150; 1ST AT 0.40 GAL/SY, 2ND AT 0.35 GAL/SY)
- ⑧ BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ HOT-MIX ASPHALT BINDER COURSE, 4 1/2"
- ⑩ HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑪ AGGREGATE SHOULDERS, 6"
- ⑫ HOT-MIX ASPHALT SHOULDER AT GUARDRAIL WIDENING (1 1/2" HMA SURFACE CSE. OVER 4 1/2" HMA BINDER CSE.)
- ⑬ GUARDRAIL

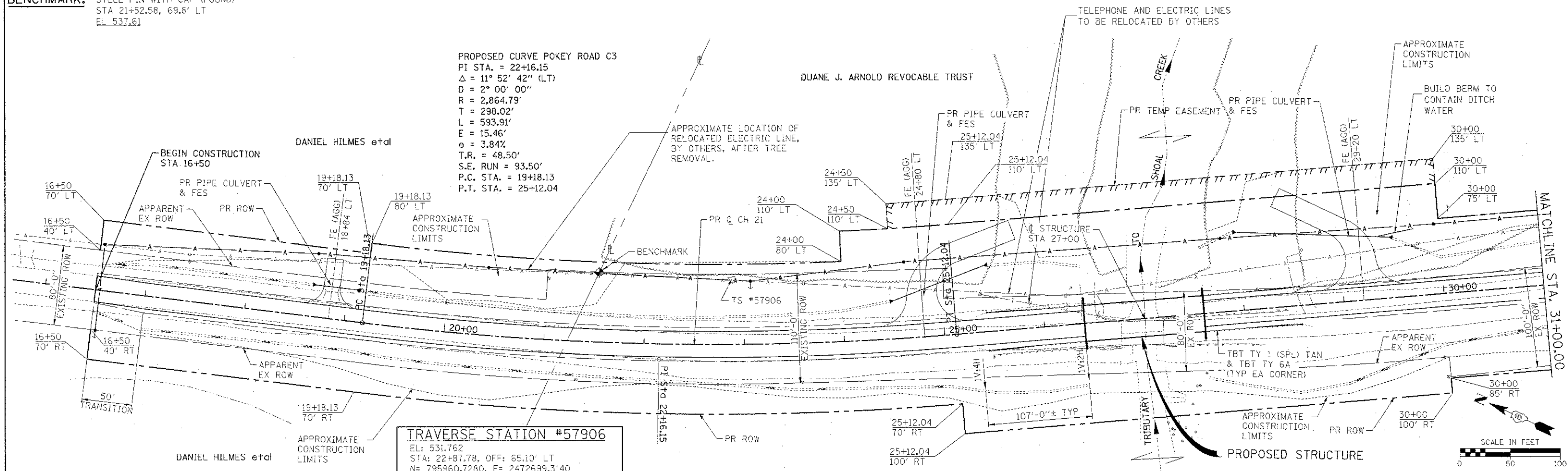
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL ROADWAY SECTIONS

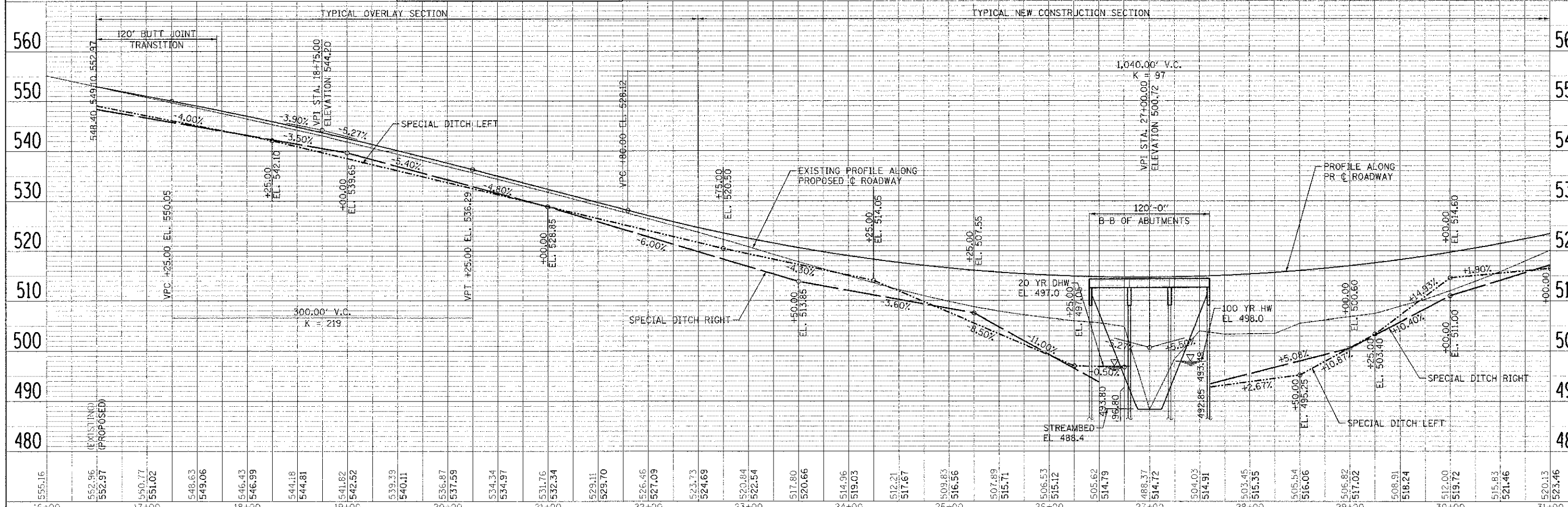
FILE NAME =	USER NAME = USERDESCR	DESIGNED - K.M.M.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL ROADWAY SECTIONS	FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLCT SCALE = 5/8" = 1' / 1"	CHECKED - L.D.G.	REVISED -	779			07-00085-00-8R	BOND	41	6	
PLCT DATE = 9/7/2012	DATE	REVISED -	SN 003-3053			CONTRACT NO. 97508				
						ILLINOIS FEDERAL AID PROJECT				

BENCHMARK: STEEL PIN WITH CAP (FOUND)
 STA 21+52.58, 69.8' LT
 EL. 537.61

PROPOSED CURVE POKEY ROAD C3
 PI STA. = 22+16.15
 $\Delta = 11^\circ 52' 42''$ (LT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 298.02'$
 $L = 593.91'$
 $E = 15.46'$
 $e = 3.84\%$
 $T.R. = 48.50'$
 $S.E. RUN = 93.50'$
 $P.C. STA. = 19+18.13$
 $P.T. STA. = 25+12.04$



TRAVERSE STATION #57906
 EL: 531.762
 STA: 22+87.78, OFF: 65.10' LT
 N: 795960.7280, E: 2472639.3140



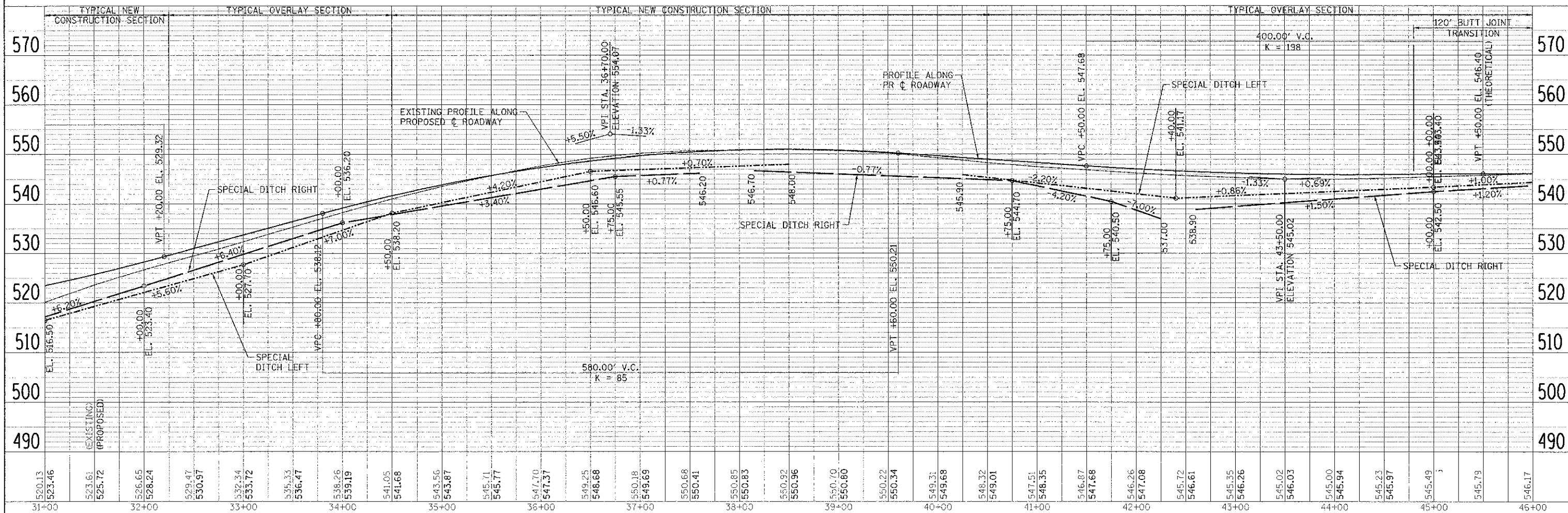
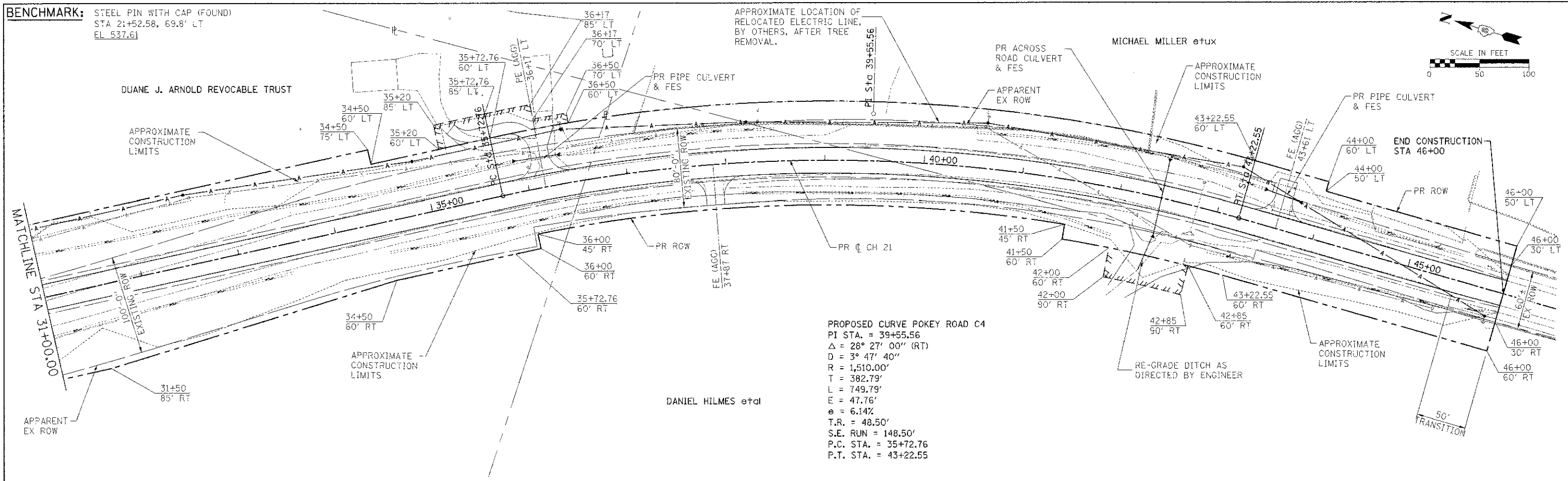
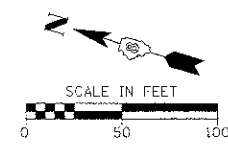
FILE NAME: I:\15748\15748_P1\15748.dwg	USER NAME: JOSEPH.DESER	DESIGNED: K.M.M.	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE PROPOSED ROADWAY SCALE: SHEET NO. 1 OF 2 SHEETS STA. 16+00 TO STA. 31+00	FAS RT# 779	SECTION 07-C0085-00-BR	COUNTY BOND	TOTAL SHEET SHEETS: NO. 41
PLOT SCALE: 1/8"=1'-0"	CHECKED: L.D.G.	REVISED: -	SN 003-3053			CONTRACT NO. 97508			
PLOT DATE: 9/10/2012	DATE: -	REVISED: -	ILLINOIS FED. AID PROJECT						
DRAWN: K.C.J. DATE: - TOTAL SHEET SHEETS: NO. 7									

PLAN	DATE: 6/12
BY: [Name]	DATE: [Date]
NO. [Number]	NO. [Number]

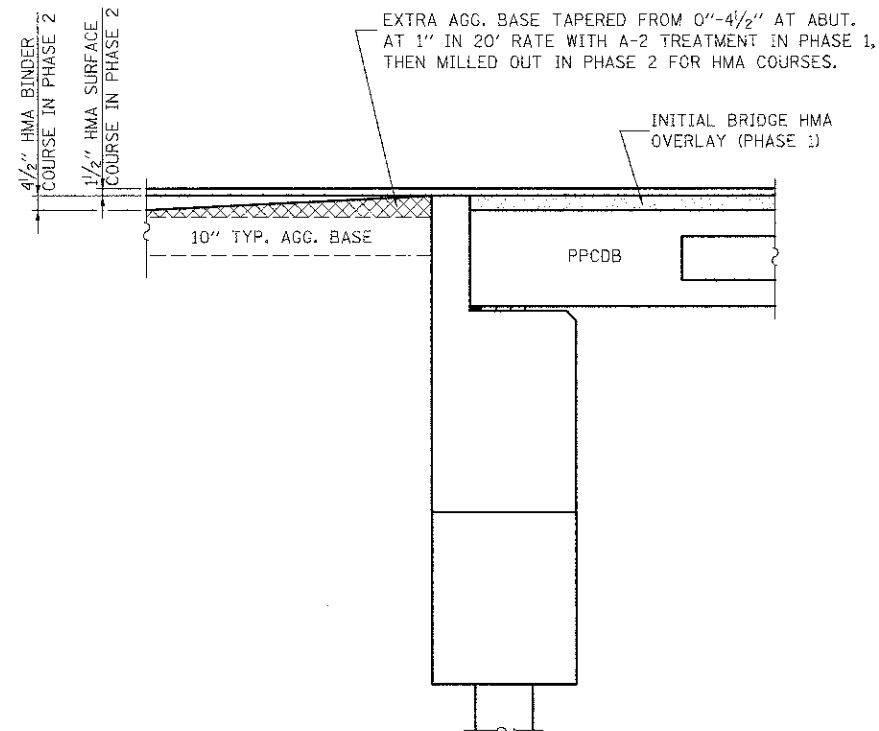
PROFILE	DATE: [Date]
BY: [Name]	DATE: [Date]
NO. [Number]	NO. [Number]

HMC NO. 5790

BENCHMARK: STEEL PIN WITH CAP (FOUND)
 STA 21+52.58, 69.8' LT
 EL 537.61

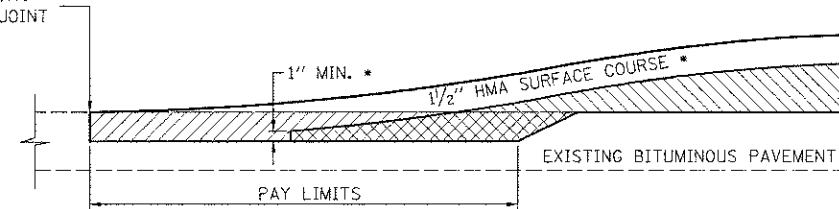


USER NAME = USERGESC DESIGNED = K.M.M. DRAWN = K.O.J. CHECKED = L.D.G. DATE	REVISIONS REVISION REVISION REVISION	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE PROPOSED ROADWAY SHEET NO. 2 OF 2 SHEETS STA. TO STA.	COUNTY = BR BOND = 41 SHEET NO. = 8 CONTRACT NO. = 97508 SN 003-3053 ILLINOIS FED. AID PROJECT
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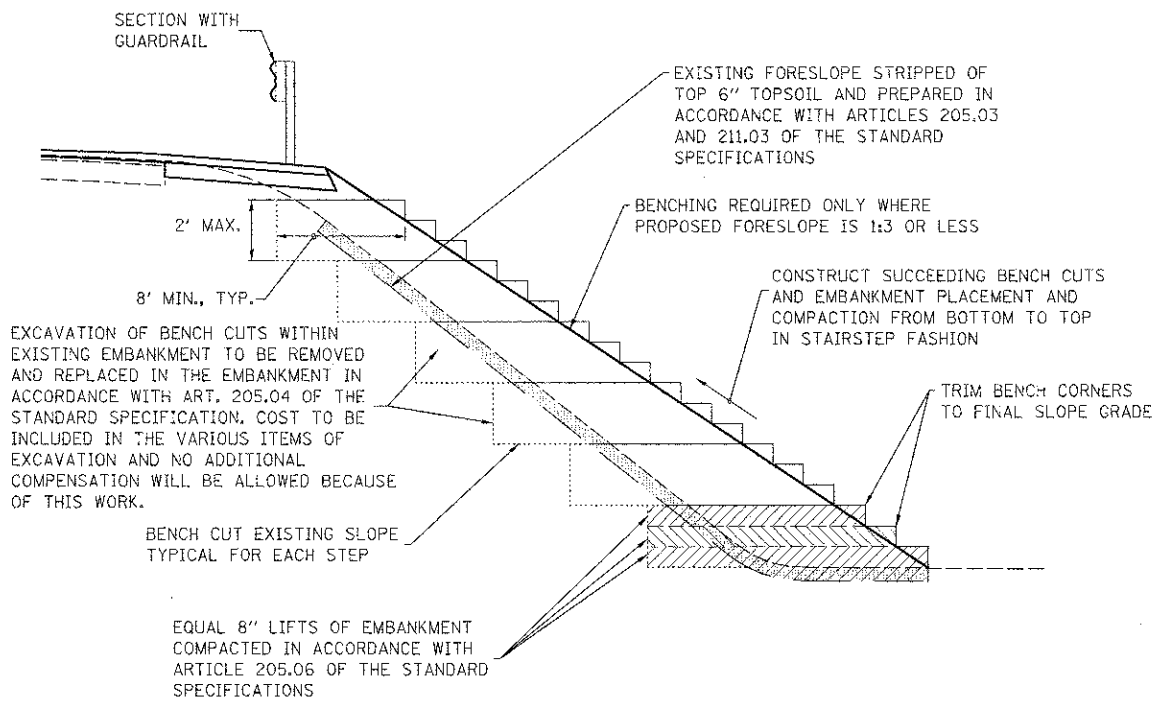
PROPOSED BUTT JOINT-BACK OF ABUTMENT DETAIL
NOT TO SCALE

SAW CUT EXISTING PAVEMENT. COSTS INCLUDED IN BUTT JOINT



PROPOSED BUTT JOINT TRANSITION DETAIL
NOT TO SCALE

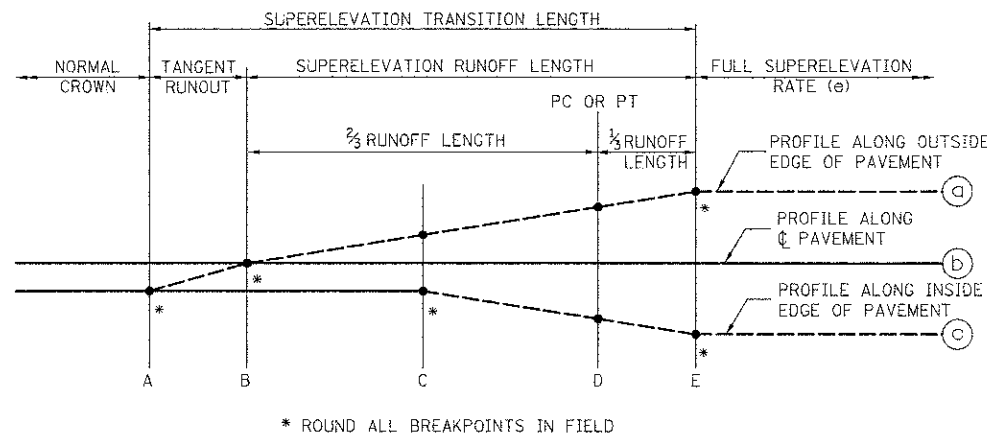
- HMA BINDER COURSE, 4 1/2" *
- BITUMINOUS CONCRETE SURFACE REMOVAL, 6"
- * DUE TO A 1" MIN. PAVEMENT THICKNESS, THE 1 1/2" AND 4 1/2" PAVEMENTS WILL NEED TO VARY AS SHOWN.



TYPICAL BENCHING DETAIL FOR EMBANKMENTS

HORIZONTAL CONTROL TABLE (ALIGNMENT)

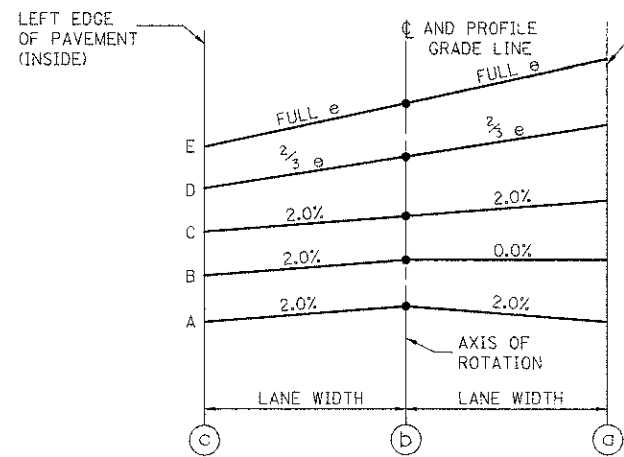
		STATION	NORTHING	EASTING
PROPOSED CURVE POKEY ROAD C3	PC	19+18.13	796278.225	2472507.514
	PI	22+16.15	795993.767	2472596.405
	PT	25+12.04	795733.697	242741.943
PROPOSED CURVE POKEY ROAD C4	PC	35+72.76	794808.055	2473259.942
	PI	39+55.56	794474.012	2473446.876
	PT	43+22.55	794091.257	2473452.099



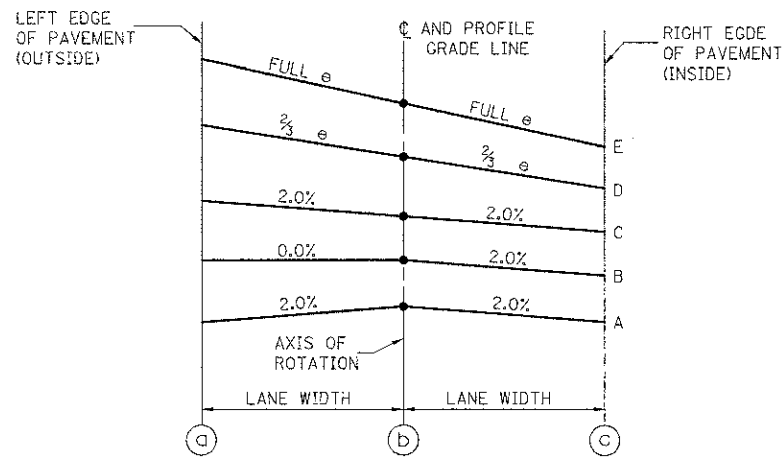
POINTS	CURVE 3		CURVE 4	
E	19+49	24+81	36+22	42+74
D	19+18.13	25+12.04	35+72.76	43+22.53
C	19+04	25+26	35+22	43+74
B	18+56	25+74	34+73	44+23
A	18+07	26+23	34+25	44+71

* ROUND ALL BREAKPOINTS IN FIELD

SUPERELEVATION DETAILS



SUPERELEVATION DETAILS
LEFT CURVE



SUPERELEVATION DETAILS
RIGHT CURVE

NOTE:
A PRESET GRADE CONTROL STRINGLINE SHALL BE USED FOR THE FULL PROJECT. SEE GENERAL NOTES.

PROPOSED CURVE 3					
STA	LT EOS	LT EOP	PGE	RT EOP	RT EOS
18+00.	546.49	546.73	546.99	546.73	546.49
18+25.	545.42	545.66	545.92	545.76	545.52
18+50.	544.32	544.56	544.82	544.79	544.55
18+75.	543.19	543.43	543.69	543.79	543.55
19+00.	542.02	542.26	542.52	542.76	542.52
19+25.	540.73	540.97	541.34	541.71	541.47
19+50.	539.38	539.62	540.12	540.62	540.38
19+75.	538.13	538.37	538.87	539.37	539.13
20+00.	536.86	537.10	537.60	538.10	537.86
20+25.	535.56	535.80	536.29	536.79	536.55
20+50.	534.24	534.48	534.98	535.48	535.24
20+75.	532.92	533.16	533.66	534.16	533.92
21+00.	531.60	531.84	532.34	532.84	532.60
21+25.	530.29	530.53	531.02	531.52	531.28
21+50.	528.97	529.21	529.71	530.21	529.97
21+75.	527.65	527.89	528.39	528.89	528.65
22+00.	526.35	526.59	527.09	527.59	527.35
22+25.	525.12	525.36	525.86	526.36	526.12
22+50.	523.95	524.19	524.69	525.19	524.95
22+75.	522.85	523.09	523.59	524.09	523.85
23+00.	521.81	522.05	522.55	523.05	522.81
23+25.	520.83	521.07	521.57	522.07	521.83
23+50.	519.92	520.16	520.66	521.16	520.92
23+75.	519.08	519.32	519.82	520.32	520.08
24+00.	518.30	518.54	519.04	519.54	519.30
24+25.	517.58	517.82	518.32	518.82	518.58
24+50.	516.93	517.17	517.67	518.17	517.93
24+75.	516.35	516.59	517.08	517.58	517.34
* 25+00.	515.99	516.17	516.56	516.96	516.79
* 25+25.	515.54	515.84	516.11	516.37	516.06
* 25+50.	515.09	515.45	515.71	515.84	515.48
* 25+75.	514.77	515.13	515.39	515.38	515.02
* 26+00.	514.50	514.86	515.12	514.99	514.63
* 26+25.	514.31	514.67	514.93	514.67	514.31

* Indicates Sections within Guardrail Widening and/or Transitions.

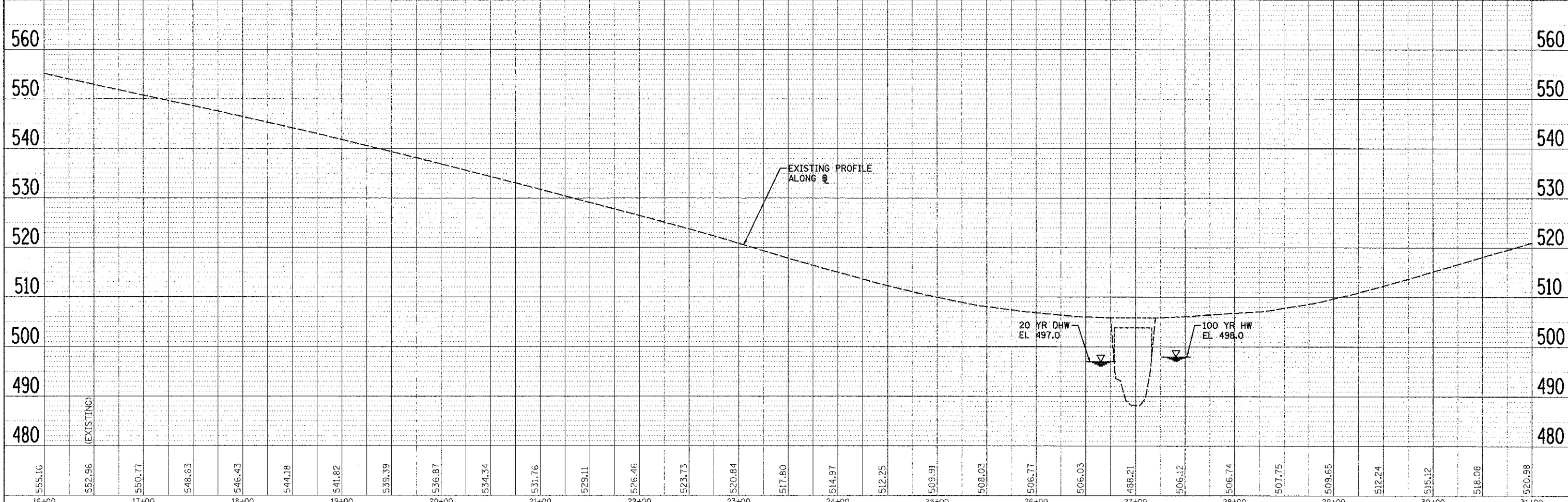
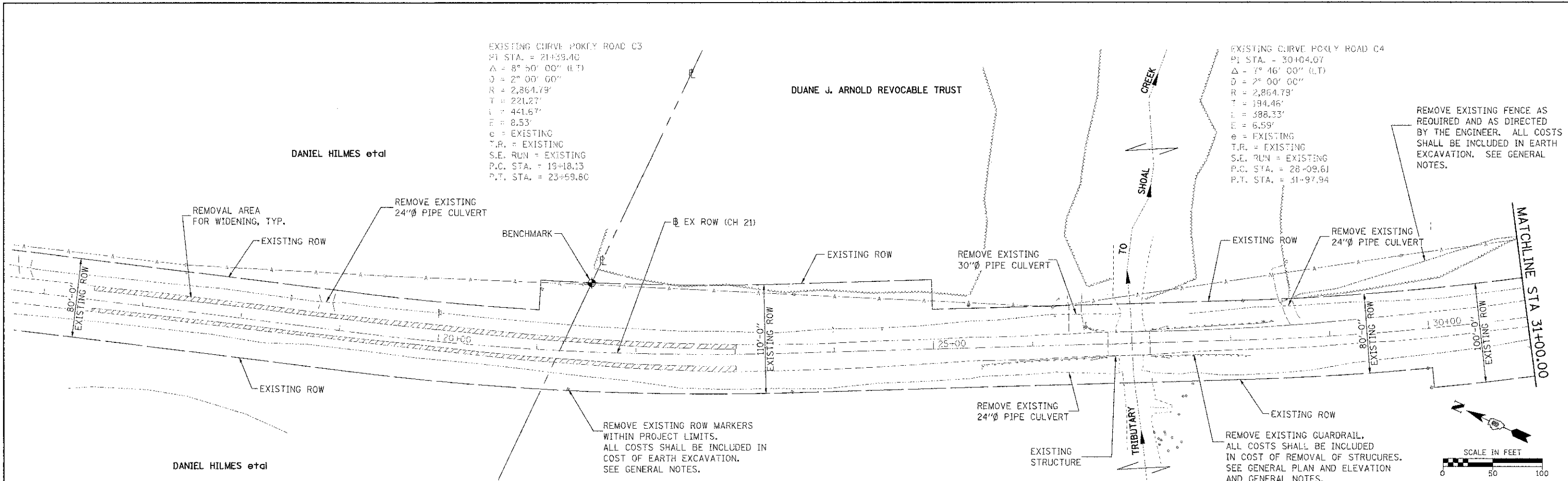
PROPOSED CURVE 4					
STA	LT EOS	LT EOP	PGE	RT EOP	RT EOS
34+25.	539.98	540.22	540.48	540.22	539.98
34+50.	541.32	541.56	541.68	541.42	541.18
34+75.	542.58	542.82	542.81	542.55	542.31
35+00.	543.77	544.01	543.87	543.61	543.37
35+25.	544.89	545.13	544.86	544.58	544.34
35+50.	545.94	546.18	545.77	545.36	545.12
35+75.	546.92	547.15	546.61	546.06	545.82
36+00.	547.86	548.05	547.37	546.69	546.45
36+25.	548.70	548.86	548.06	547.26	547.02
36+50.	549.32	549.48	548.68	547.88	547.63
36+75.	549.86	550.02	549.22	548.42	548.18
37+00.	550.33	550.49	549.69	548.89	548.65
37+25.	550.73	550.88	550.09	549.29	549.04
37+50.	551.05	551.21	550.41	549.61	549.36
37+75.	551.30	551.46	550.66	549.86	549.61
38+00.	551.48	551.63	550.83	550.03	549.79
38+25.	551.58	551.73	550.93	550.14	549.89
38+50.	551.61	551.76	550.96	550.16	549.92
38+75.	551.56	551.71	550.92	550.12	549.87
39+00.	551.44	551.60	550.80	550.00	549.75
39+25.	551.25	551.40	550.60	549.81	549.56
39+50.	550.98	551.14	550.34	549.54	549.29
39+75.	550.65	550.81	550.01	549.21	548.97
40+00.	550.32	550.48	549.68	548.88	548.63
40+25.	549.99	550.14	549.35	548.55	548.30
40+50.	549.66	549.81	549.01	548.21	547.97
40+75.	549.32	549.48	548.68	547.88	547.64
41+00.	548.99	549.15	548.35	547.55	547.30
41+25.	548.66	548.81	548.01	547.22	546.97
41+50.	548.33	548.48	547.68	546.88	546.64
41+75.	548.01	548.16	547.36	546.57	546.32
42+00.	547.72	547.88	547.08	546.28	546.04
42+25.	547.47	547.62	546.83	546.03	545.78
42+50.	547.25	547.40	546.60	545.80	545.56
42+75.	547.05	547.20	546.41	545.62	545.37
43+00.	546.71	546.91	546.25	545.59	545.35
43+25.	546.41	546.65	546.12	545.60	545.36
43+50.	546.18	546.42	546.03	545.64	545.40
43+75.	545.98	546.22	545.96	545.70	545.46
44+00.	545.81	546.05	545.93	545.67	545.43
44+25.	545.67	545.91	545.93	545.67	545.43
44+50.	545.57	545.81	545.96	545.70	545.46
44+75.	545.52	545.76	546.02	545.76	545.52

DATE	
BY	
CHECKED	
DESIGNED	
PROJECT	
SCALE	
PLANNED	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	

DATE	
BY	
CHECKED	
DESIGNED	
PROJECT	
SCALE	
PLANNED	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	

EXISTING CURVE POKEY ROAD C3
 PI STA. = 21+39.40
 $\Delta = 8^{\circ} 50' 00''$ (L.T.)
 $D = 2^{\circ} 00' 00''$
 $R = 2,864.79'$
 $T = 221.27'$
 $L = 441.67'$
 $E = 8.53'$
 $e =$ EXISTING
 T.R. = EXISTING
 S.E. RUN = EXISTING
 P.C. STA. = 19+18.13
 P.T. STA. = 23+59.60

EXISTING CURVE POKEY ROAD C4
 PI STA. = 30+04.07
 $\Delta = 7^{\circ} 46' 00''$ (L.T.)
 $D = 2^{\circ} 00' 00''$
 $R = 2,864.79'$
 $T = 194.46'$
 $L = 388.33'$
 $E = 6.55'$
 $e =$ EXISTING
 T.R. = EXISTING
 S.E. RUN = EXISTING
 P.C. STA. = 28+09.61
 P.T. STA. = 31+97.94

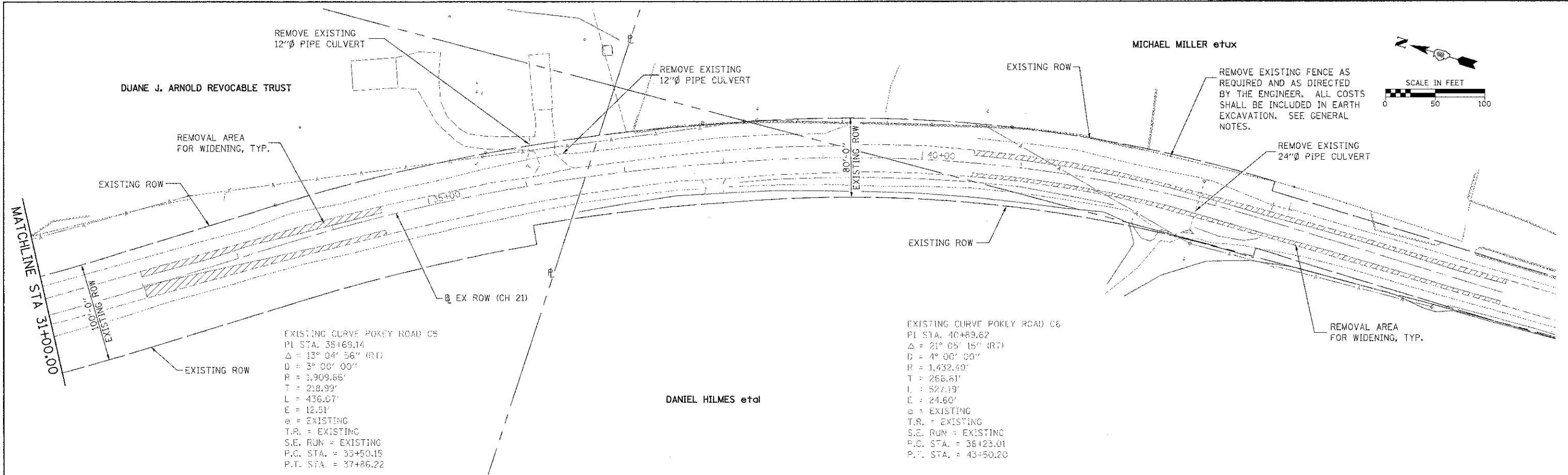


FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE EXISTING ROADWAY & REMOVALS	FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PROJECT	PROJECT	DRAWN	REVISED			779	07-0085-00-BR	BOND	41	12	
SCALE	DATE	CHECKED	REVISED			SN 003-3053	CONTRACT NO. 97508	ILLINOIS FED. AID PROJECT			
DATE	DATE	DATE	DATE								

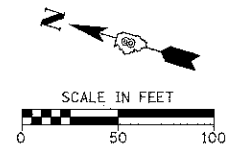
PNG NO. 5790

DATE: 9/16/2022
 DRAWN BY: L.D.G.
 CHECKED BY: K.O.J.
 DESIGNED BY: K.M.M.
 PROJECT: 07-00085-00-BR
 SHEET: 2 OF 2

DATE: 9/16/2022
 DRAWN BY: L.D.G.
 CHECKED BY: K.O.J.
 DESIGNED BY: K.M.M.
 PROJECT: 07-00085-00-BR
 SHEET: 2 OF 2



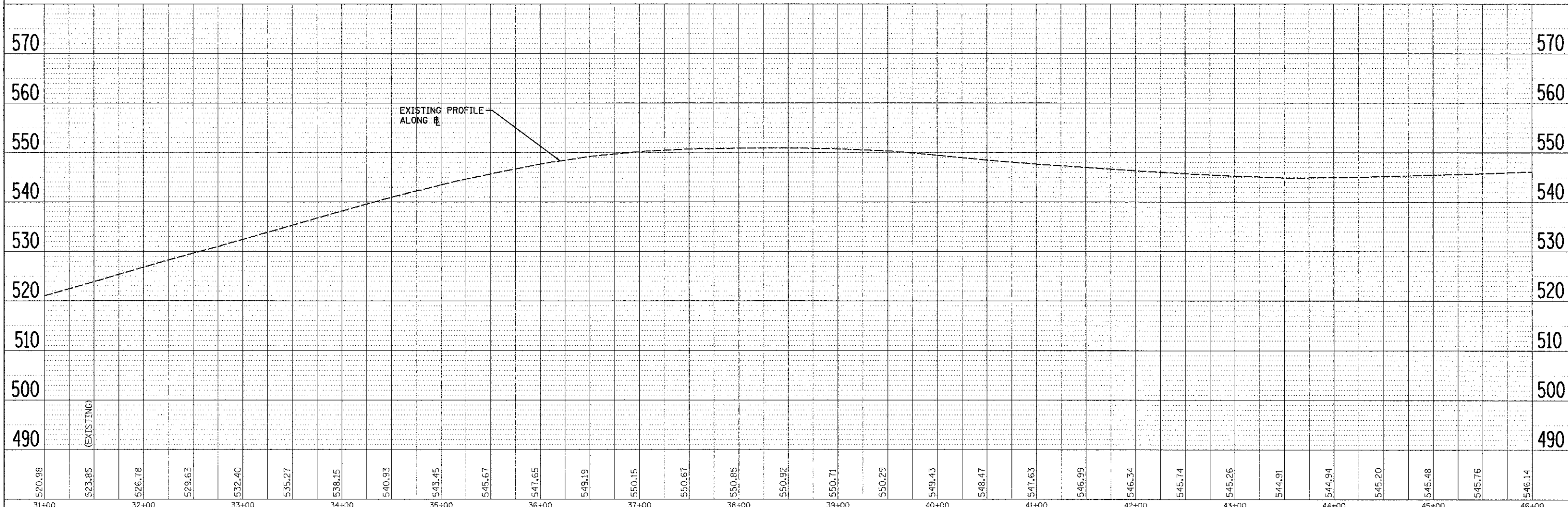
MICHAEL MILLER et ux



EXISTING CURVE POKEY ROAD C5
 P.I. STA. 35+69.14
 $\Delta = 13^\circ 04' 56''$ (RT)
 $D = 3^\circ 00' 00''$
 $R = 1,909.86'$
 $T = 218.99'$
 $L = 436.07'$
 $E = 12.51'$
 $\phi =$ EXISTING
 $T.R. =$ EXISTING
 $S.E. RUN =$ EXISTING
 $P.C. STA. = 33+50.15$
 $P.T. STA. = 37+86.22$

DANIEL HILMES et al

EXISTING CURVE POKEY ROAD C6
 P.I. STA. 40+89.62
 $\Delta = 21^\circ 05' 15''$ (RT)
 $D = 4^\circ 00' 00''$
 $R = 1,432.40'$
 $T = 266.61'$
 $L = 527.19'$
 $E = 24.60'$
 $\phi =$ EXISTING
 $T.R. =$ EXISTING
 $S.E. RUN =$ EXISTING
 $P.C. STA. = 38+23.01$
 $P.T. STA. = 43+50.20$



520.98	523.85	526.78	529.63	532.40	535.27	538.15	540.93	543.75	545.67	547.65	549.19	550.15	550.67	550.85	550.92	550.71	550.29	549.43	548.47	547.63	546.99	546.34	545.74	545.26	544.91	544.94	545.20	545.48	545.76	546.14
31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00	46+00															

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

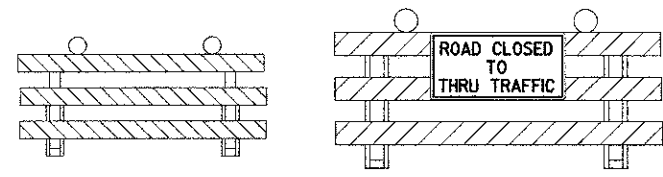
PLAN & PROFILE EXISTING ROADWAY & REMOVALS

FAS RTE 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 13
SN 003-3053		CONTRACT NO. 97508		

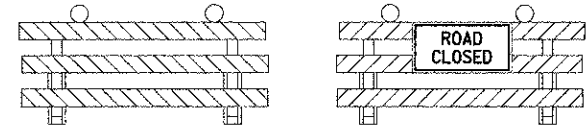
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ILLINOIS FED. AID PROJECT

RHS NO. 5750

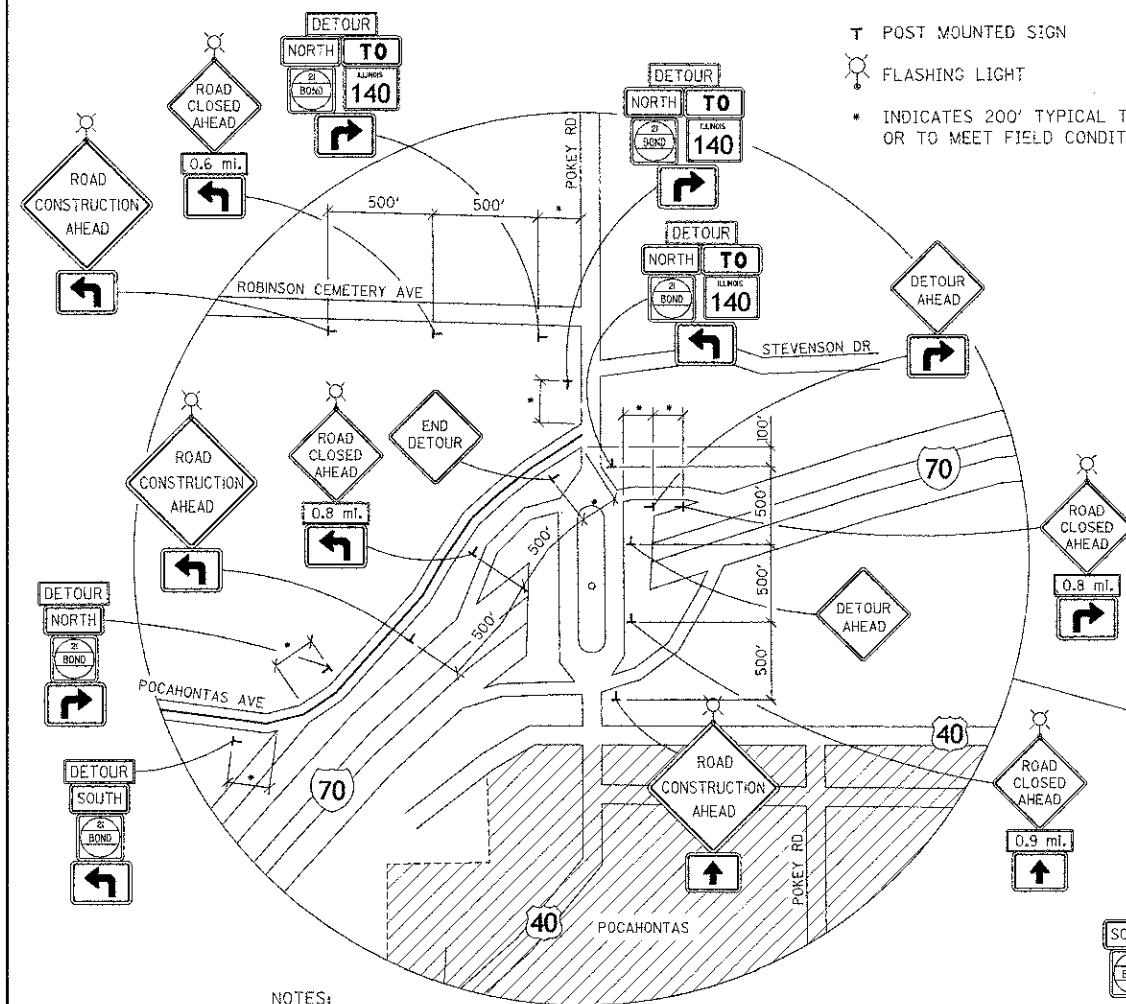


LOCATION B



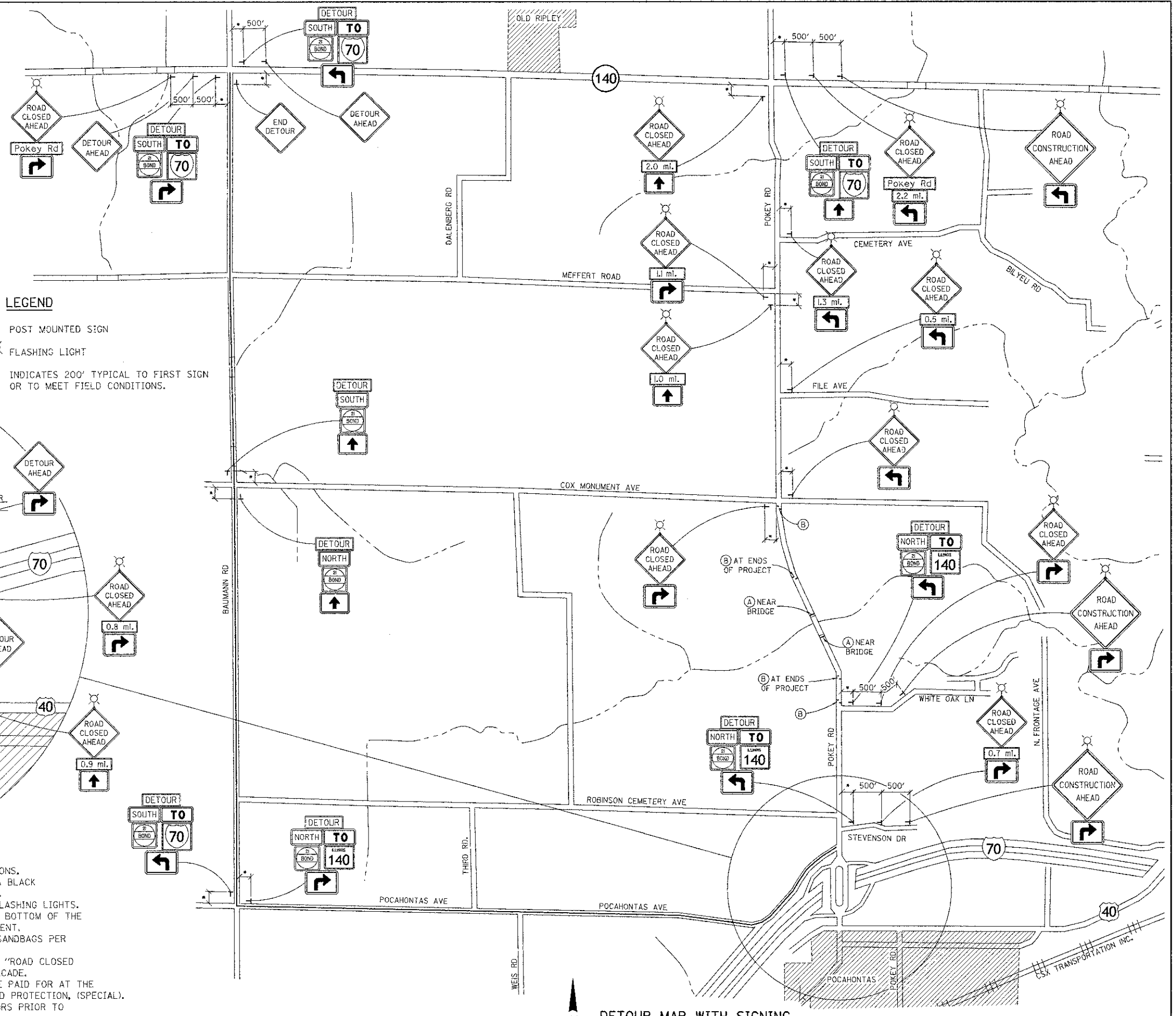
LOCATION A

- LEGEND**
- T POST MOUNTED SIGN
 - ⚡ FLASHING LIGHT
 - INDICATES 200' TYPICAL TO FIRST SIGN OR TO MEET FIELD CONDITIONS.



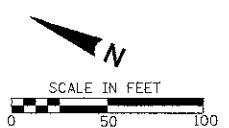
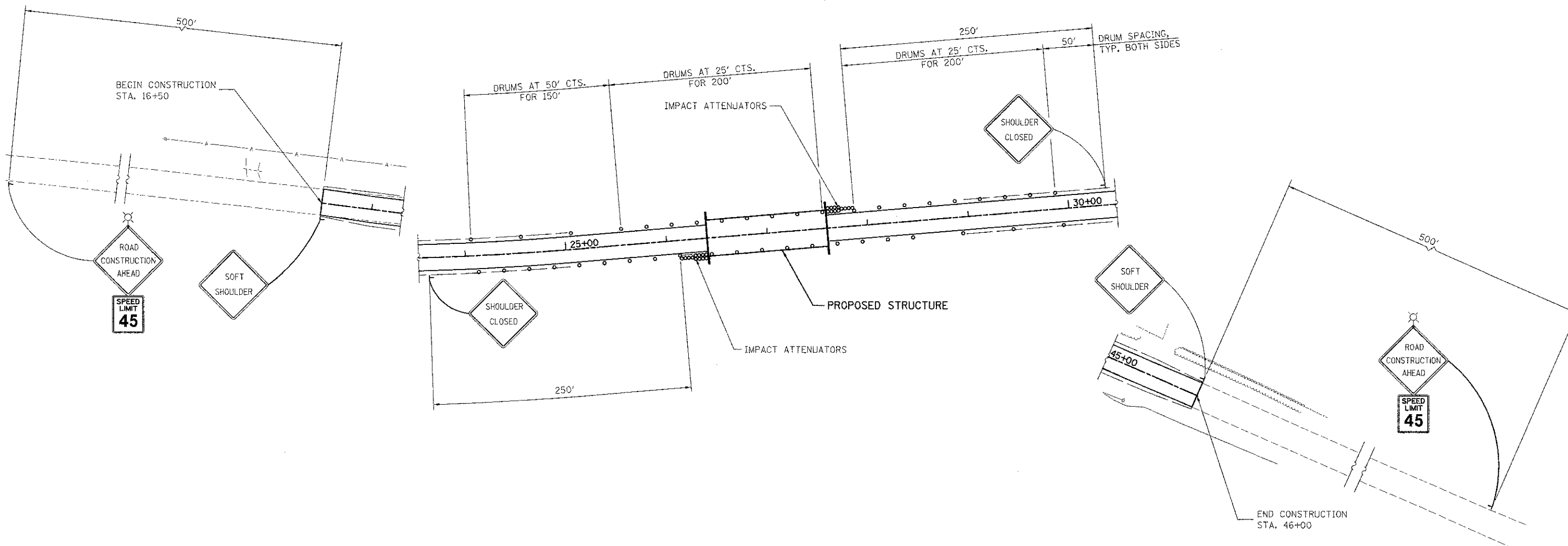
NOTES:

1. ENGINEER MAY MODIFY SIGN PLACEMENT TO MEET FIELD CONDITIONS.
2. ALL ADVANCED WARNING SIGNS SHALL BE 48" x 48" AND HAVE A BLACK LEGEND ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
3. ALL ADVANCED WARNING SIGNS SHALL INCLUDE LOW INTENSITY FLASHING LIGHTS.
4. DETOUR SIGNING ASSEMBLY SHALL MAINTAIN THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN NO LESS THAN 5 FEET ABOVE THE EDGE OF PAVEMENT.
5. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE FOR STABILIZATION.
6. AT LOCATIONS WHERE TYPE III BARRICADES ARE STAGGERED THE "ROAD CLOSED TO THRU TRAFFIC" SIGN SHALL BE PLACED ON THE FRONT BARRICADE.
7. ALL ITEMS OF WORK INVOLVED WITH THE ROAD CLOSURE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
8. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER 72 HOURS PRIOR TO CLOSURE.



DETOUR MAP WITH SIGNING

FILE NAME = H:\15798\C_14_DetourMap_5798.dgn	USER NAME = JUSERDESCR	DESIGNED - K.M.M.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR MAP	FAS RTE = 779	SECTION = 07-00085-00-BR	COUNTY = BOND	TOTAL SHEETS = 41	SHEET NO. = 14	
PLT SCALE = 240.00000 / 1 IN.	CHECKED - L.D.G.	DATE = 9/7/2012	REVISED -			SCALE =	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	SN 003-3053	CONTRACT NO. 97508	[ILLINOIS] FEDERAL AID PROJECT
HMG ENGINEERS, INC. LAKE RD., P.O. BOX 70 CARLYLE, IL 62231 (618) 594-3711 WWW.HMGENGINEERS.COM											
						HMG INC. 15798					



NOTE:
 FOR PHASE 2 PAVING OPERATIONS THE CONTRACTOR SHALL HAVE THE OPTION OF RE-ESTABLISHING THE DETOUR WITH FULL SIGNAGE, AS SHOWN ON THE DETOUR MAP, FOR A MAXIMUM OF 15 CALENDAR DAYS OR USING STANDARDS 701006 AND 701306 FOR THE DURATION, INCLUDING "LOW SHOULDER" SIGNS, TYPE I OR II BARRICADES OR VERTICAL PANELS PER STANDARD SPECS AND AS DIRECTED BY THE ENGINEER.

FILE NAME = 4\16792\015_TFC\TR1_15793.dgn	USER NAME = USER0FSCR	DESIGNED - K.M.M.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLAN - POST PHASE 1	FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - K.H.L.	REVISED -			779	07-00085-00-BR	BOND	41	15	
		CHECKED - L.D.G.	REVISED -			SN 003-3053		CONTRACT NO. 97508		ILLINOIS FEDERAL AID PROJECT	
		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

HMG ENGINEERS, INC. LAKE RD., P.O. BOX 70 CARLYLE, IL 62231 (618) 594-3711 WWW.HMGENGINEERS.COM

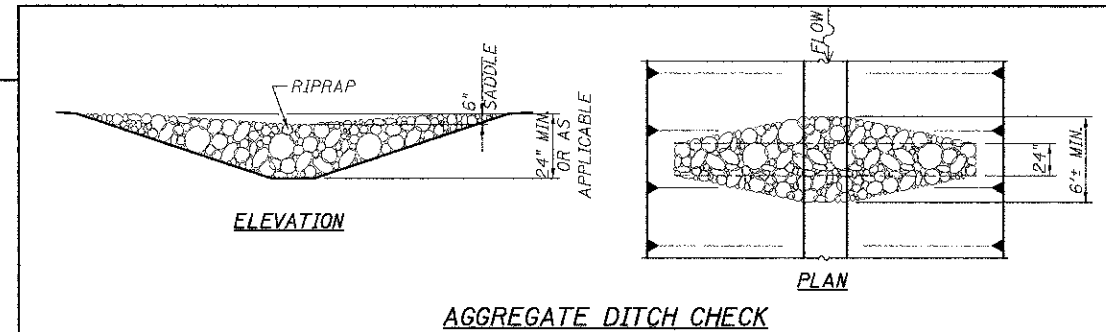
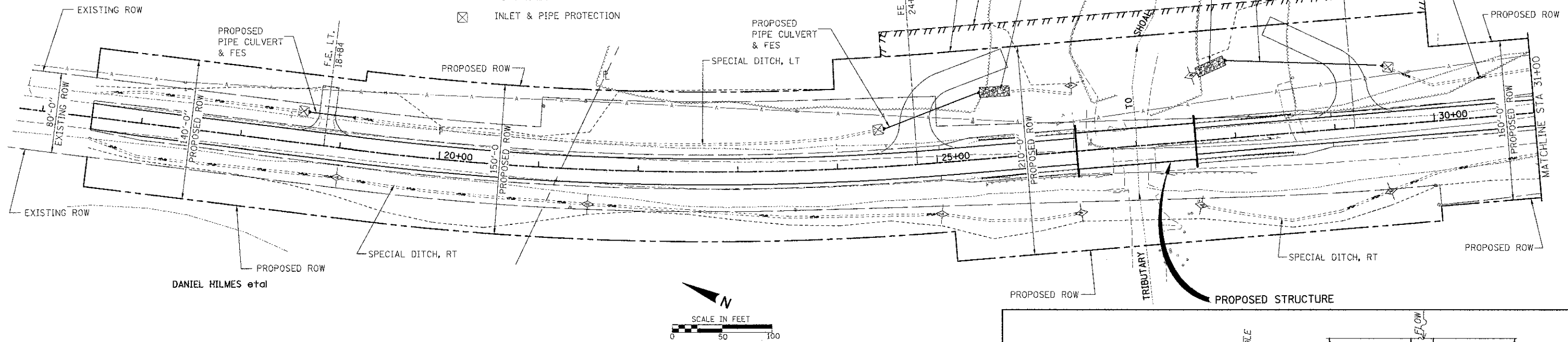
EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER
- ◇ AGGREGATE DITCH CHECK
- ◇ TEMPORARY DITCH CHECK
- FLOW DIRECTION
- ⊠ INLET & PIPE PROTECTION

DUANE J. ARNOLD REVOCABLE TRUST

STONE DUMPED RIPRAP, CL. A4
10'W. x 30'L. x 12" THICK

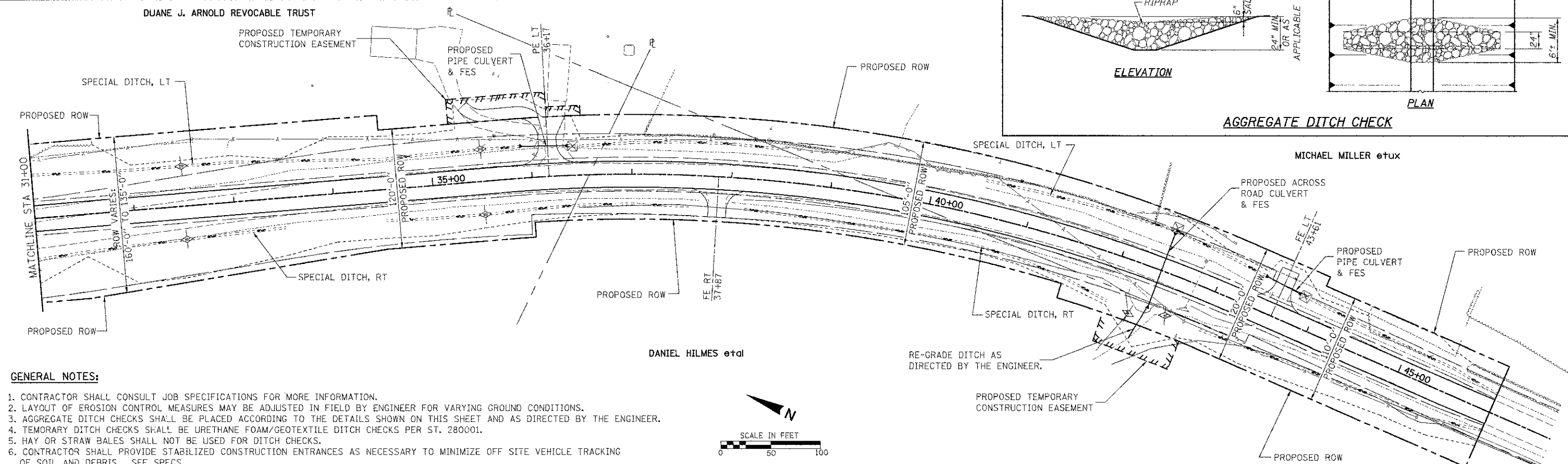
PROPOSED PIPE CULVERT & FES



DUANE J. ARNOLD REVOCABLE TRUST

PROPOSED TEMPORARY CONSTRUCTION EASEMENT

PROPOSED PIPE CULVERT & FES



GENERAL NOTES:

1. CONTRACTOR SHALL CONSULT JOB SPECIFICATIONS FOR MORE INFORMATION.
2. LAYOUT OF EROSION CONTROL MEASURES MAY BE ADJUSTED IN FIELD BY ENGINEER FOR VARYING GROUND CONDITIONS.
3. AGGREGATE DITCH CHECKS SHALL BE PLACED ACCORDING TO THE DETAILS SHOWN ON THIS SHEET AND AS DIRECTED BY THE ENGINEER.
4. TEMPORARY DITCH CHECKS SHALL BE URETHANE FOAM/GEOTEXTILE DITCH CHECKS PER ST. 280001.
5. HAY OR STRAW BALES SHALL NOT BE USED FOR DITCH CHECKS.
6. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCES AS NECESSARY TO MINIMIZE OFF SITE VEHICLE TRACKING OF SOIL AND DEBRIS. SEE SPECS.
7. ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AS DESCRIBED IN SPECS. UNTIL PERMANENT STABILIZATION CAN BE PERFORMED.
8. THE COUNTY WILL ASSUME RESPONSIBILITY FOR MAINTAINING EROSION CONTROL MEASURES THROUGH FINAL STABILIZATION AFTER IDOT ACCEPTANCE OF WORK BY CONTRACTOR.
9. CONTRACTOR SHALL PROVIDE APPROPRIATE INLET AND PIPE PROTECTION AS NEEDED, OR AS DIRECTED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE COSTS OF THE RESPECTIVE PIPE CULVERTS.

DANIEL HILMES et al

MICHAEL MILLER et ux

PROPOSED ACROSS ROAD CULVERT & FES

PROPOSED PIPE CULVERT & FES

FILE NAME = H:\5790NC\16.EROS.5792.dgn

USER NAME = .USERDESIGNER

DESIGNED - K.M.M.

REVISED -

DRAWN - K.H.L.

REVISED -

PLOT SCALE = 50.0000 1/ IN.

PLT DATE = 9/7/2012

CHECKED - L.D.G.

REVISED -

DATE

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAS RTE 779

SECTION 07-00085-00-BR

COUNTY BOND

TOTAL SHEETS 41

SHEET NO. 16

SN 003-3053

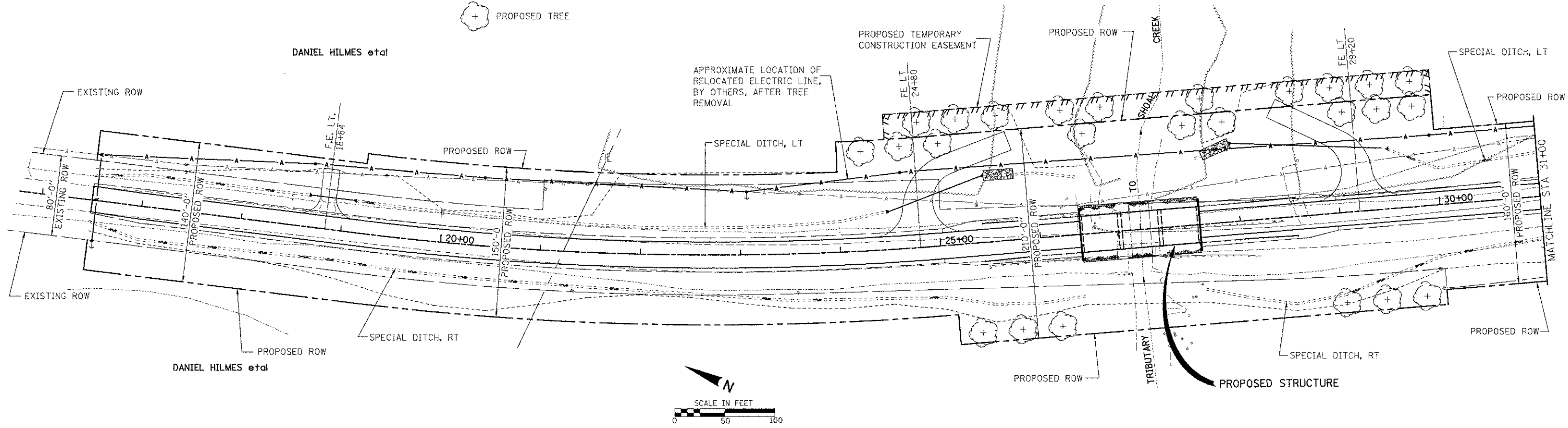
CONTRACT NO. 97508

ILLINOIS FEDERAL AID PROJECT

TREE PLANTING LEGEND

+ PROPOSED TREE

DUANE J. ARNOLD REVOCABLE TRUST



GENERAL NOTES:

1. LAYOUT OF TREES MAY BE ADJUSTED IN FIELD BY ENGINEER FOR VARYING GROUND CONDITIONS.

TREE PLANTING SCHEDULE

LOCATION	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED		
	STATION	LENGTH	TYPE
STA 24+25.00	99.00'	LT	1
STA 24+65.00	102.00'	LT	1
STA 24+85.00	125.00'	LT	1
STA 25+05.00	102.00'	LT	1
STA 25+25.00	125.00'	LT	1
STA 25+35.00	90.00'	RT	1
STA 25+65.00	125.00'	LT	1
STA 25+75.00	90.00'	RT	1
STA 26+15.00	90.00'	RT	1
STA 26+30.00	125.00'	LT	1
STA 26+50.00	100.00'	LT	1
STA 26+70.00	125.00'	LT	1
STA 27+50.00	100.00'	LT	1
STA 27+70.00	125.00'	LT	1
STA 27+90.00	100.00'	LT	1
STA 28+60.00	125.00'	LT	1
STA 29+00.00	125.00'	LT	1
STA 29+00.00	90.00'	RT	1
STA 29+10.00	100.00'	LT	1
STA 29+40.00	125.00'	LT	1
STA 29+40.00	90.00'	RT	1

LOCATION	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED		
	STATION	LENGTH	TYPE
STA 29+45.00	100.00'	LT	1
STA 29+80.00	100.00'	LT	1
STA 29+80.00	125.00'	LT	1
STA 29+80.00	90.00'	RT	1
TOTAL			25
USE			25

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		DRAWN - K.H.L.	REVISED -
		CHECKED - C.D.G.	REVISED -
		DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TREE PLANTING PLAN

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAS RTE 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 16A
SN 003-3053		CONTRACT NO. 97508		
[ILLINOIS] FEDERAL AID PROJECT				

BENCHMARK: Steel Pin with Cap (Found)
Sta. 21+51.32, 69.8' Lt.
El. 537.61

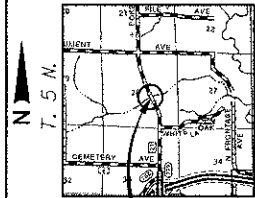
EXISTING STRUCTURE S.N. 003-3023
The existing structure, constructed in 1956, consists of a single span cast-in-place concrete deck supported by steel beams on timber pile bent abutments. The structure has an overall length of 42'-6" back-to-back of abutments and a width of 26'-0" out to out of the deck. Approximately 375' of approach guardrail shall be removed as part of Removal of Existing Structures.

The Contractor shall remove and dispose of the existing structure in accordance with Section 501 of the Standard Specifications.

The existing roadway will be closed to traffic during the construction period.

SALVAGE: No salvage

R. 4 W., 3rd P.M.

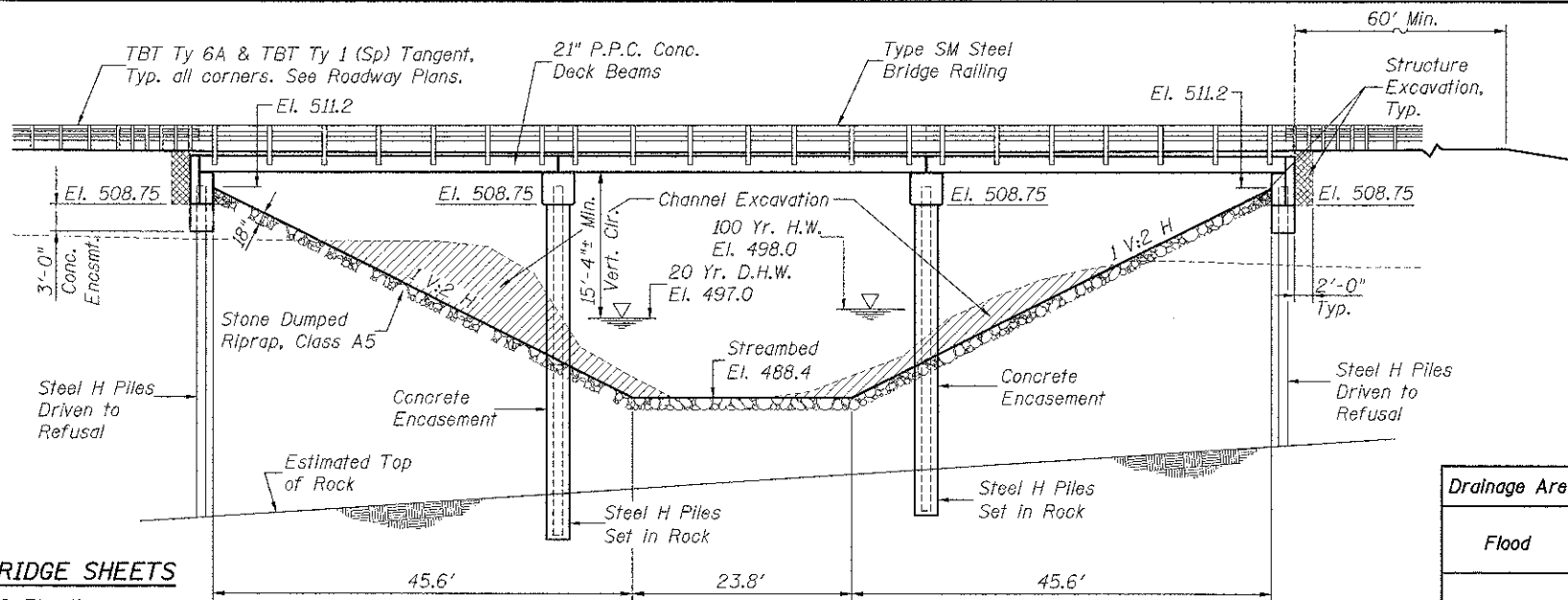


STRUCTURE LOCATION

LOCATION SKETCH

INDEX OF BRIDGE SHEETS

1. General Plan & Elevation
2. General Data
3. Superstructure
4. 21" x 48" P.P.C. Deck Beam
5. 21" x 48" P.P.C. Deck Beam Details
6. Pile Bent Abutment
7. Pier Details
8. Steel Railing, Type SM with Hot-Mix Asphalt Wearing Surface
9. HP Pile Details
10. Soil Boring Logs



ELEVATION

Note: Channel excavation shall be transitioned from the edge of the proposed deck to match the existing channel at the R.O.W. line.

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

PRECAST PRESTRESSED UNITS

$f'_c = 6,000$ p.s.i.
 $f'_{ci} = 5,000$ p.s.i.
 $f'_s = 270,000$ p.s.i. ($\frac{1}{2}$ " Strands)
 $f'_{si} = 201,960$ p.s.i. ($\frac{1}{2}$ " Strands)

FIELD UNITS

$f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (reinf.)
 $f_y = 50,000$ p.s.i. (M270 Grade 50)

LOADING HL-93

Allow 50 p.s.f. for future wearing surface

SEISMIC DATA

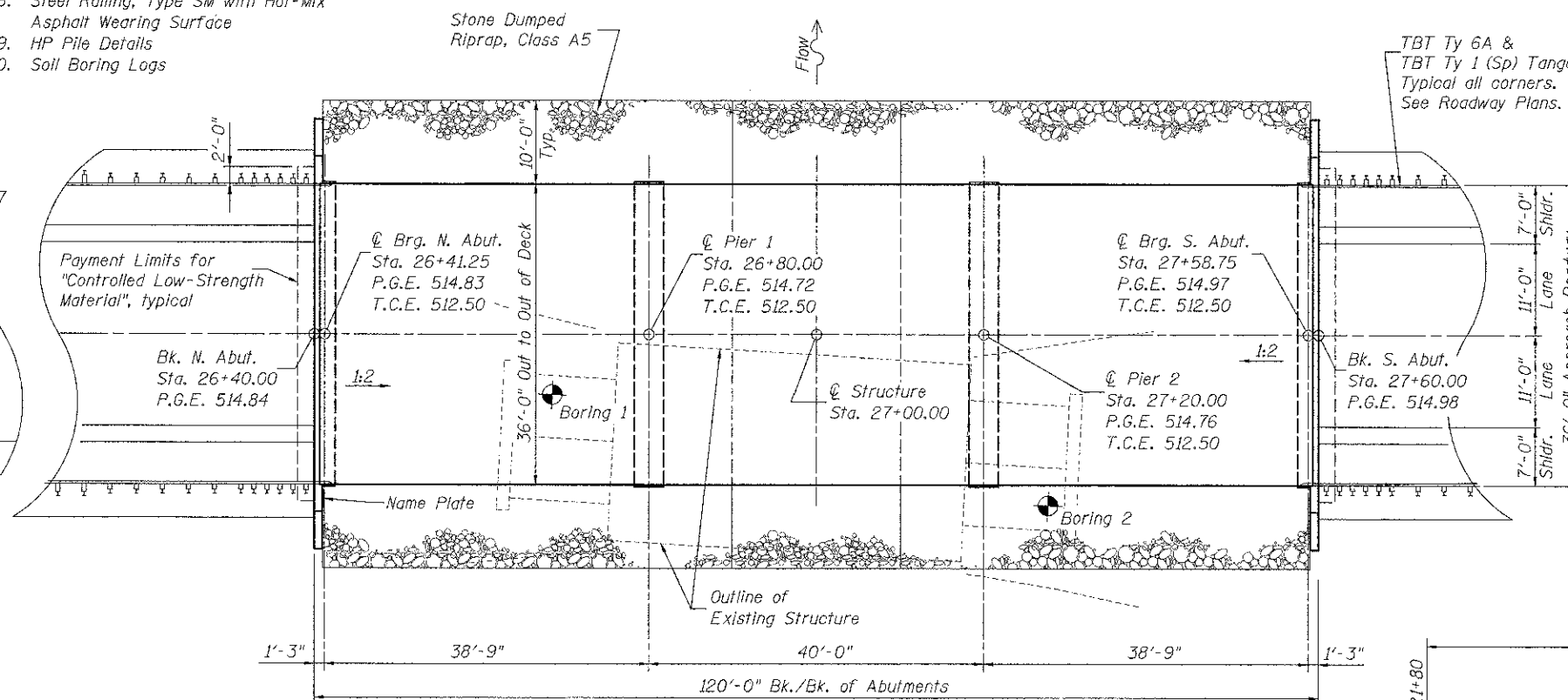
Seismic Performance Zone (SPZ): 2
Design Spectral Acceleration at 1.0 sec (S_{D1}) = 0.235 g
Design Spectral Acceleration at 0.2 sec (S_{D5}) = 0.526 g
Soil Site Class = D

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (Feet)	N. Abut.	Pier 1	Pier 2	S. Abut.
	505.75	484.4	484.4	505.75

WATERWAY INFORMATION

Drainage Area = 4.13 Sq. Mi.		Low Grade Elev. = 505.69		Sta. 26+98					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exst.	Prop.		Exst.	Prop.	Exst.	Prop.
	10	1,440	265	277	496.4	0.7	0.7	497.1	497.1
Design	20	1,830	286	310	497.0	0.4	0.6	497.4	497.6
Base	100	2,800	322	380	498.0	0.5	0.3	498.5	498.3
Max. Calc.	500	3,860	345	438	498.9	1.0	0.7	499.9	499.6



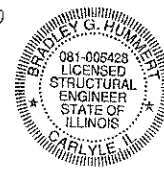
PLAN

T.C.E. = Top of Cap Elevation

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO LRFD Bridge Design Specifications' including seismic design."

Bradley G. Hummert Date: 9/6/12

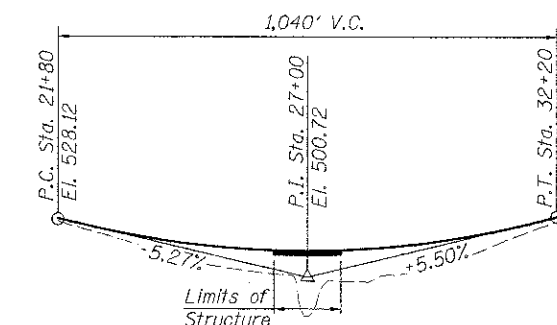
Bradley G. Hummert
Licensed Structural Engineer
In Illinois No. 081-005428 Expires: November 30, 2012



Note: The Existing Structure has Deadman Anchors behind the abutments. These Deadmen shall be removed and disposed of as part of Removal of Existing Structures.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	SUB.	TOTAL
Channel Excavation	Cu. Yd.			1,193
Stone Dumped Riprap, Class A5	Ton			627
Hot-Mix Asphalt Surface Course, Mix "C", N70	Ton	141		141
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		114	114
Concrete Structures	Cu. Yd.		69.0	69.0
Concrete Encasement	Cu. Yd.		71.4	71.4
Prec. Pres. Conc. Dk. Bms. (21" Depth)	Sq. Ft.	4,266		4,266
Reinforcement Bars, Epoxy Coated	Pound		8,840	8,840
Steel Railing, Type SM	Foot	240		240
Furnishing Steel Piles HP 12x53	Foot		828	828
Driving Piles	Foot		372	372
Test Pile Steel HP 12x53	Each		1	1
Name Plates	Each			1
Waterproofing Membrane System	Sq. Yd.	475		475
Portland Cement Mortar Fairing Course	Foot	950		950
Controlled Low-Strength Material	Cu. Yd.			28.0
Setting Piles in Rock	Each		12	12

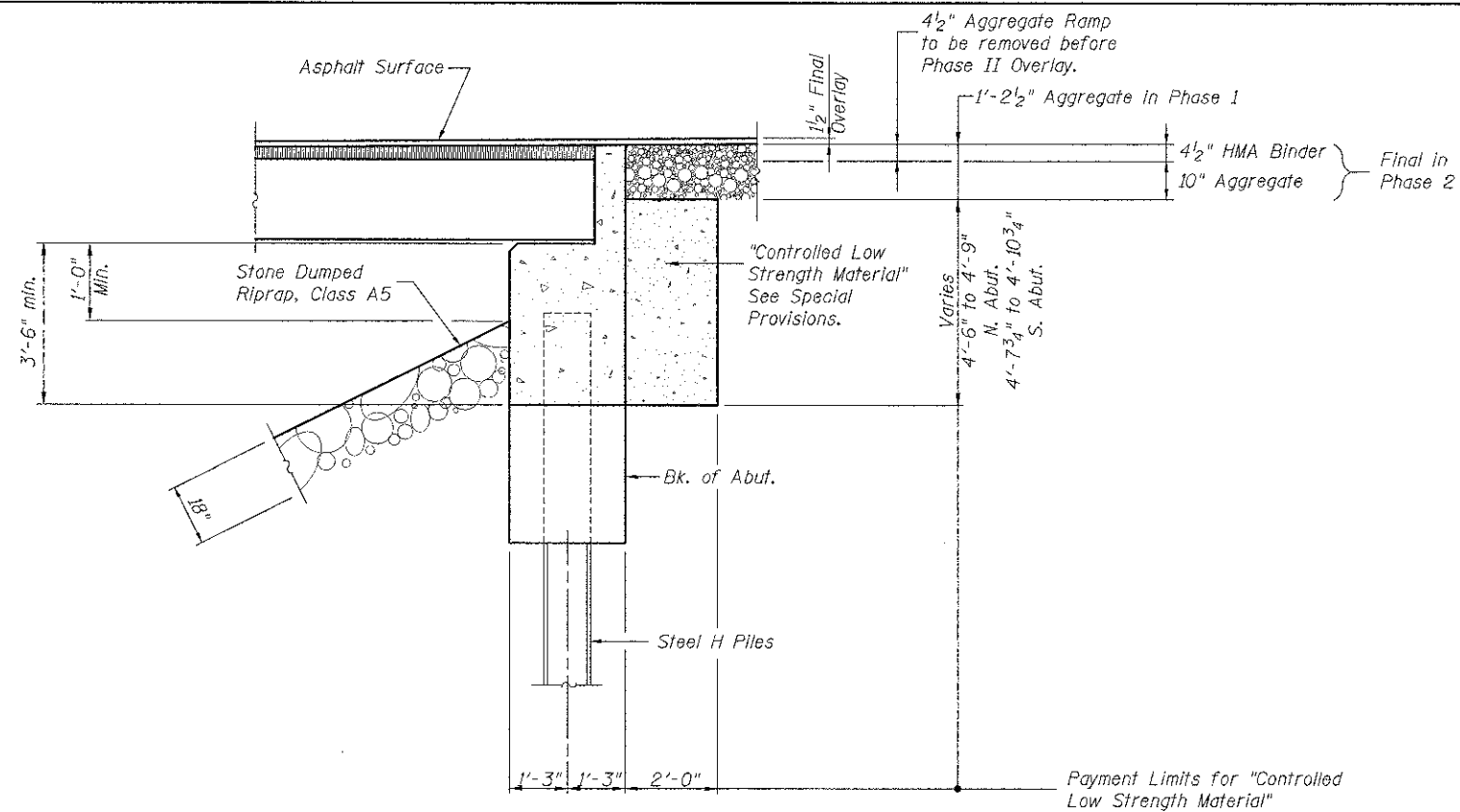


PROFILE GRADE

Along C.H. 21 (N. Pokey Rd.)

GENERAL PLAN & ELEVATION
C.H. 21/F.A.S. 779 (N. POKEY RD.)
OVER TRIBUTARY TO SHOAL CREEK
SECTION 07-00085-00-BR
BOND COUNTY
STATION 27+00.00
STRUCTURE NO. 003-3053

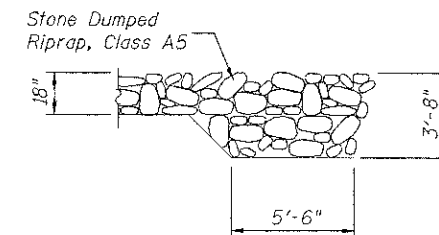
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PLOT SCALE: 1/8" = 1'-0"	CHECKED: L.D.G.	REVISIONS:	DATE:			SN 003-3053	CONTRACT NO. 97508			
PLOT DATE: 9/11/2012	DATE:									



SECTION THRU ABUTMENT

GENERAL NOTES

1. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production location at substructures specified or approved by the Engineer before ordering remaining piles.
2. Hot-mix asphalt surface course overlay for the bridge deck shall be constructed in accordance with applicable portions of Section 582 of the Standard Specifications.
3. Waterproofing membrane system for the bridge shall be in accordance with material and construction requirements of the applicable portions of Section 581 of the Standard Specifications.
4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Deck beams shall be cleaned to the satisfaction of the Engineer before placing the waterproofing membrane system.
7. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.



STONE RIPRAP FLANK DETAIL

Tributary to Shoal Creek
 Built 201 by
 Bond County
 Section 07-00085-00-BR
 F.A.S. 779 Station 27+00
 S.N. 003-3053 Loading HL93
 PROJ. NO. BRS-0779(104)

NAME PLATE

See Std. 515001
 Locate Name Plate as
 shown in Plan View.

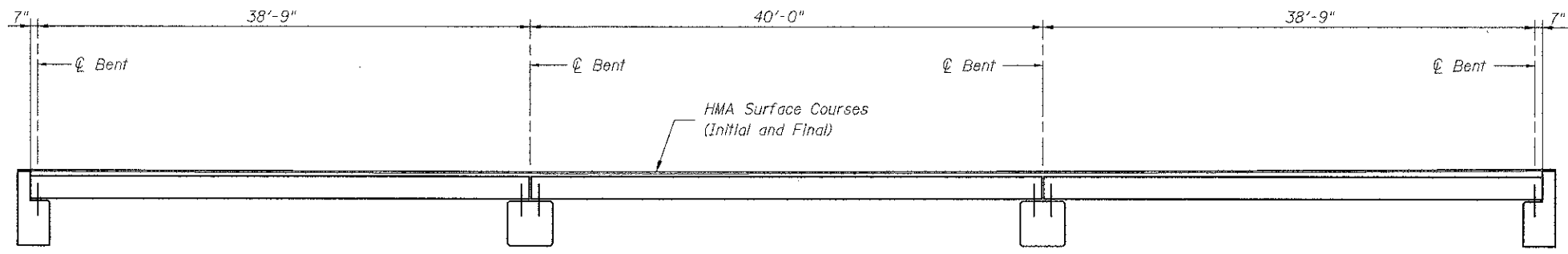
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	PLOT DATE = 9/7/2012	CHECKED - L.D.G.	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

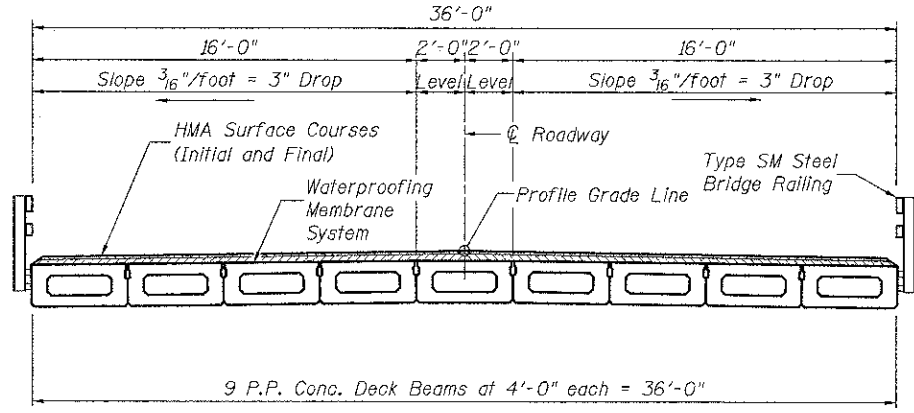
GENERAL DATA

SCALE: SHEET NO. 2 OF 10 SHEETS STA. TO STA.

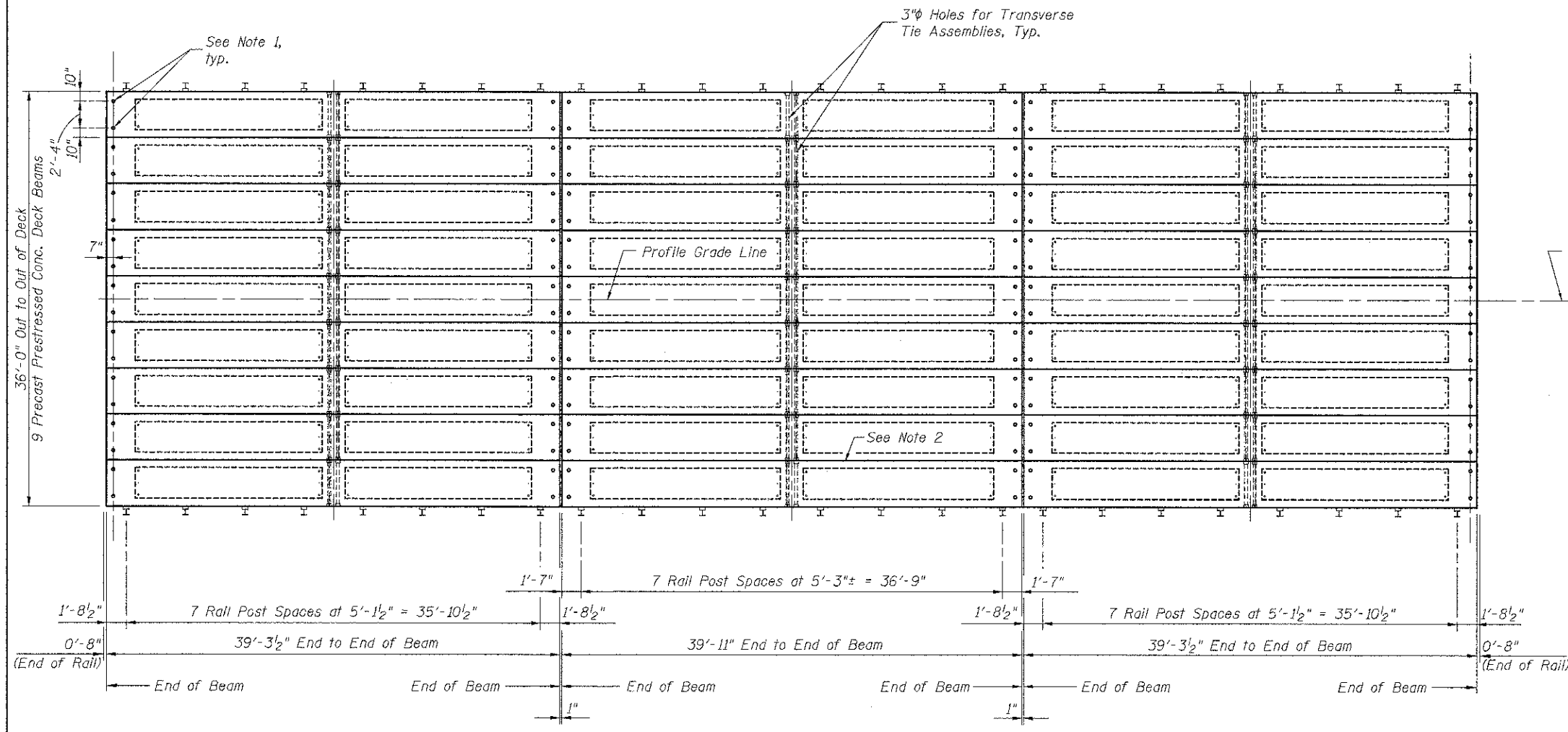
FAS RTE 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 18
SN 003-3053		CONTRACT NO. 97508		
ILLINOIS FEDERAL AID PROJECT				



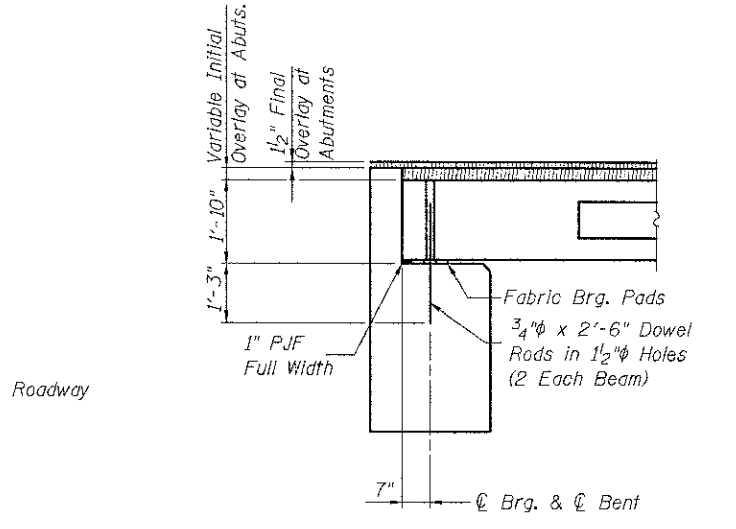
ELEVATION



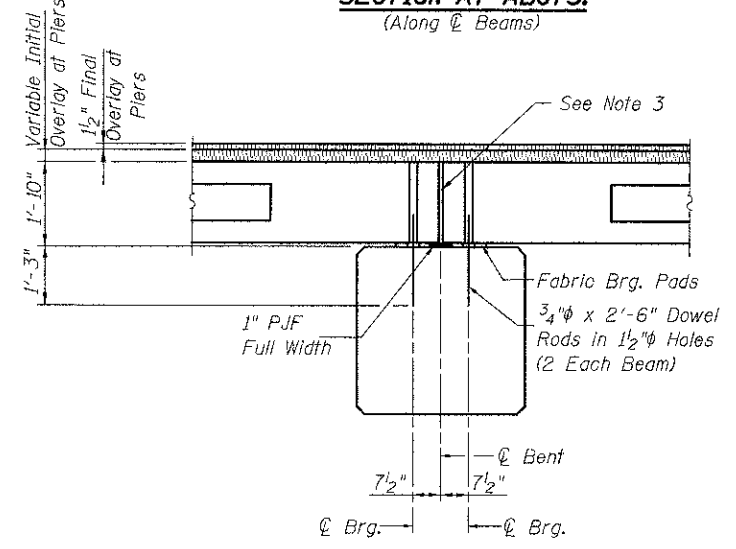
CROSS SECTION



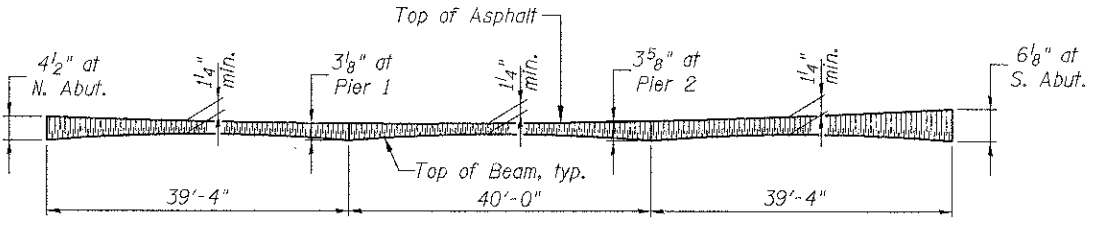
PLAN



SECTION AT ABUTS.
(Along \varnothing Beams)



SECTION AT PIERS
(Along \varnothing Beams)

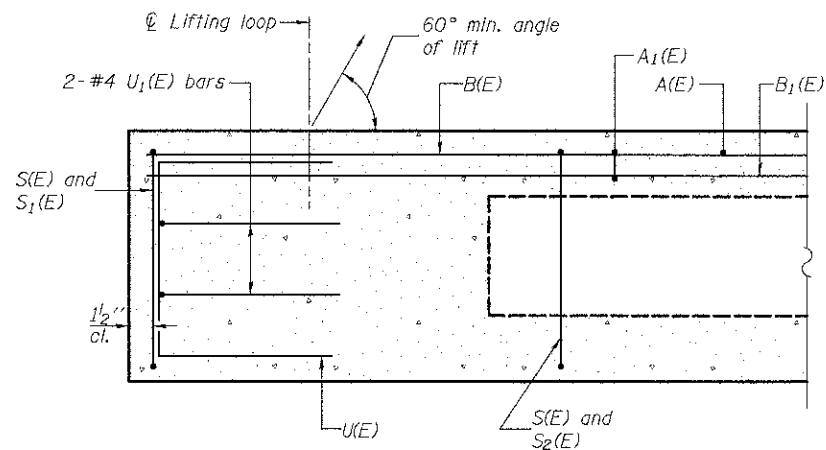


PROFILE OF INITIAL OVERLAY
(1 1/2" Final Overlay)

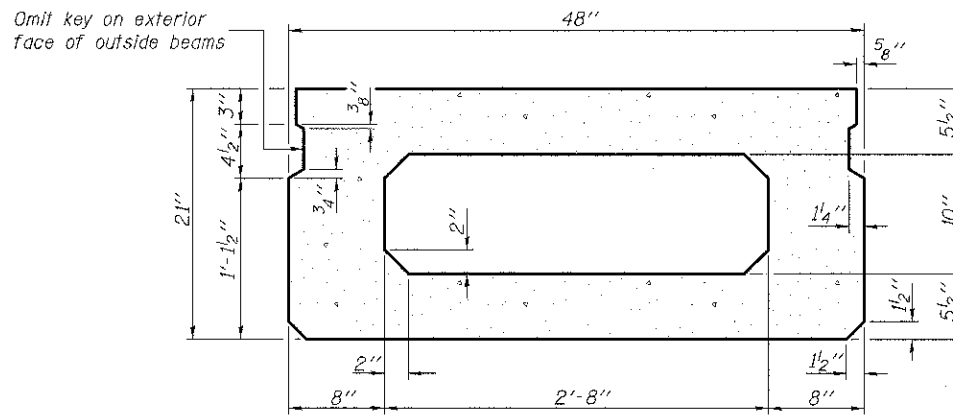
- NOTES**
- After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
 - Longitudinal keys shall be grouted.
 - 1" joint shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

BILL OF MATERIAL

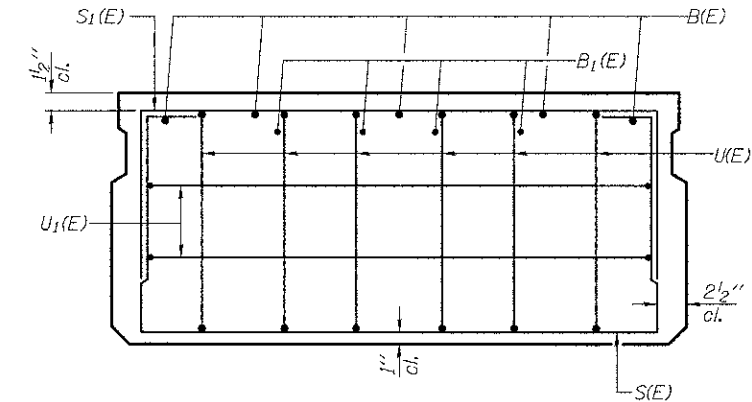
Item	Unit	Quantity
Portland Cement Mortar Fairing Course	Foot	950
Waterproofing Membrane System	Sq. Yd.	475
Hot-Mix Asphalt Surf. Cse., Mix "C", N70	Ton	141



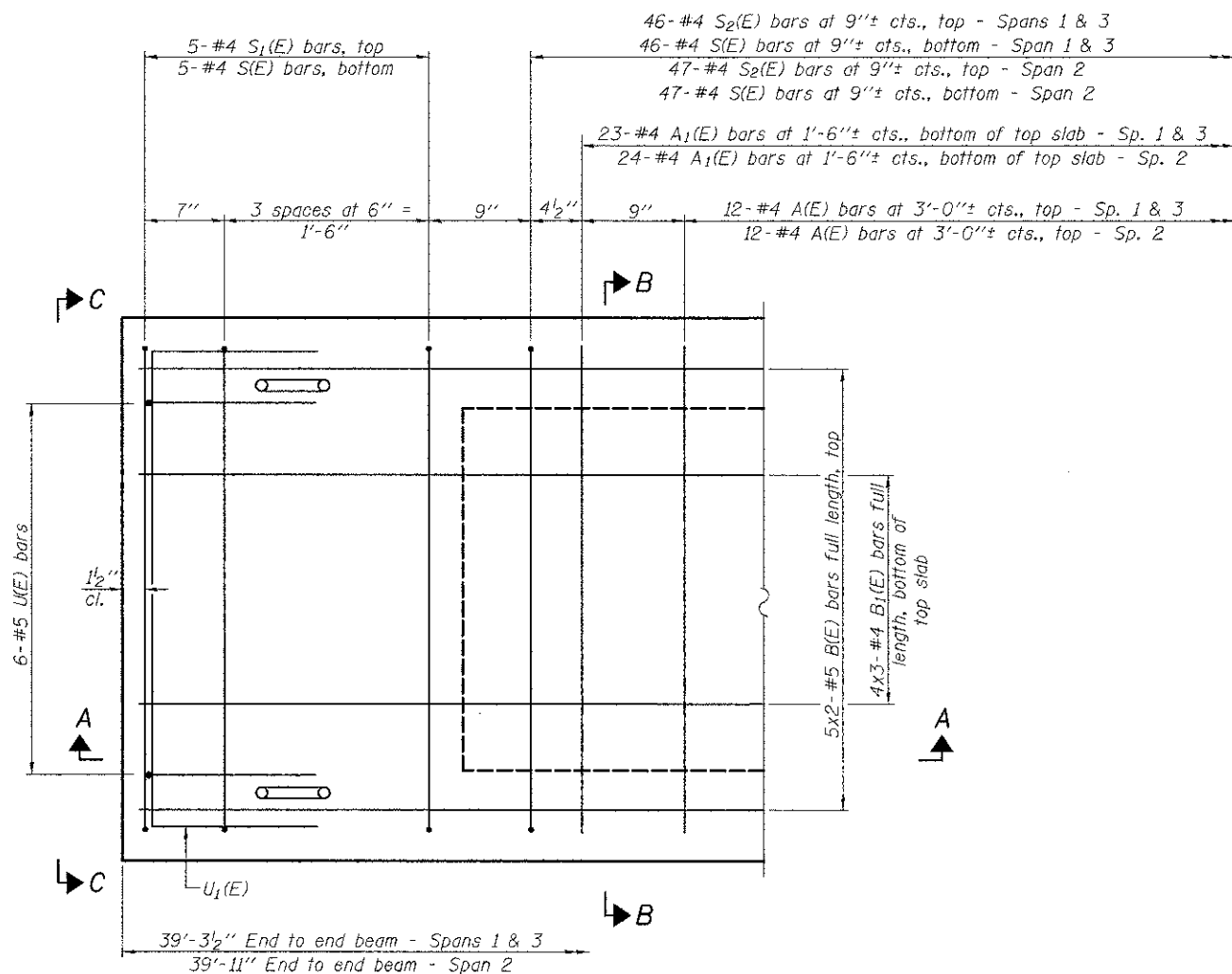
SECTION A-A



SECTION B-B
(Showing dimensions)



VIEW C-C



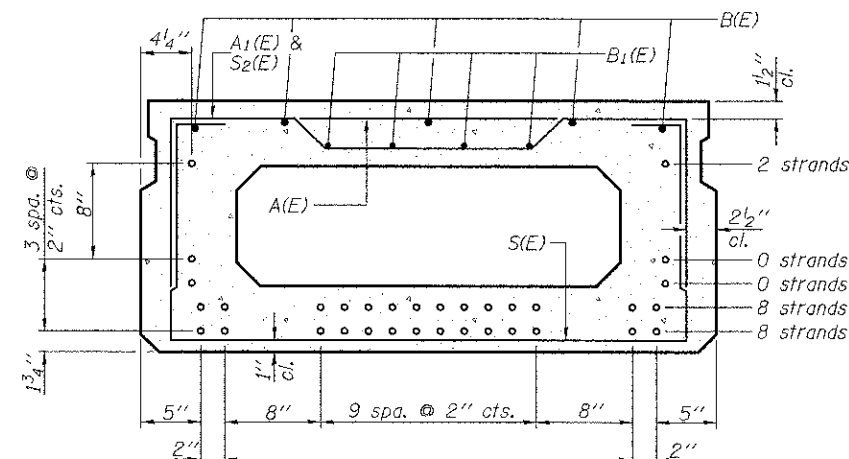
PLAN VIEW

MINIMUM BAR LAP

#4 bar = 2'-0"
#5 bar = 2'-6"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

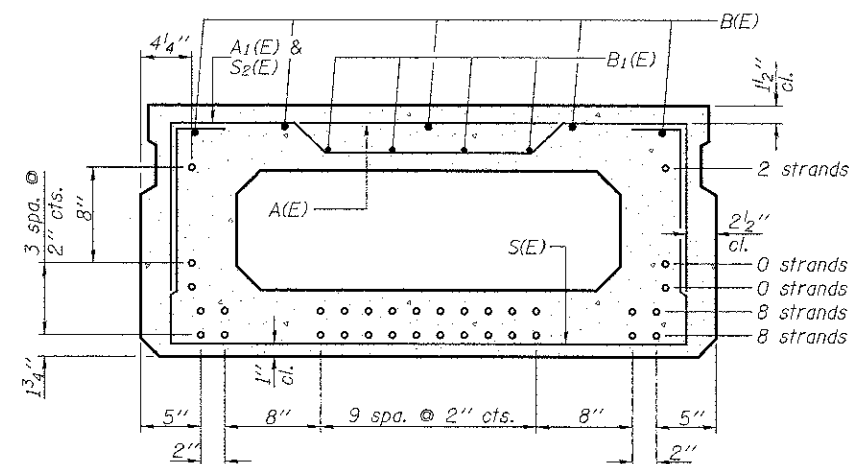
Symmetrical about ϕ



SECTION B-B - SPANS 1 & 3

(Showing reinforcement and permissible strand locations)

18 - 1/2" ϕ Strands
(8 Strands 1 3/4" up, 8 Strands 3 3/4" up,
2 Strands 15 3/4" up)



SECTION B-B - SPAN 2

(Showing reinforcement and permissible strand locations)

18 - 1/2" ϕ Strands
(8 Strands 1 3/4" up, 8 Strands 3 3/4" up,
2 Strands 15 3/4" up)

BAR LIST - SPANS 1 & 3

ONE BEAM ONLY

(For Information Only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	3'-7"	—
A1(E)	23	#4	3'-10"	—
B(E)	10	#5	20'-10"	—
B1(E)	12	#4	14'-5"	—
S(E)	56	#4	7'-5"	U
S1(E)	10	#4	5'-11"	U
S2(E)	46	#4	6'-2"	U
U(E)	12	#5	4'-0"	U
U1(E)	4	#4	6'-0"	U

Note:

See sheet 5 of 10 for additional details and Bill of Material.

BAR LIST - SPAN 2

ONE BEAM ONLY

(For Information Only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	3'-7"	—
A1(E)	24	#4	3'-10"	—
B(E)	10	#5	21'-1"	—
B1(E)	12	#4	14'-7"	—
S(E)	57	#4	7'-5"	U
S1(E)	10	#4	5'-11"	U
S2(E)	47	#4	6'-2"	U
U(E)	12	#5	4'-0"	U
U1(E)	4	#4	6'-0"	U

Note:

See sheet 5 of 10 for additional details and Bill of Material.

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

PD-2148-0

7-1-10

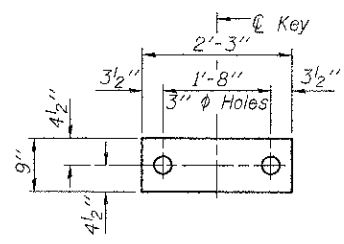
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PLOT SCALE = 8.0000 / IN.	CHECKED = L.D.G.	DRAWN = K.H.L.	REVISED =
PLOT DATE = 9/7/2012	DATE =		REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

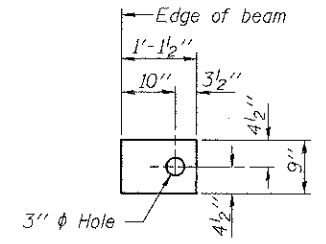
21" x 48" PPC DECK BEAM

SCALE: SHEET NO. 4 OF 10 SHEETS STA. TO STA.

FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	20
SN 003-3053			CONTRACT NO. 97508	
ILLINOIS FEDERAL AID PROJECT				



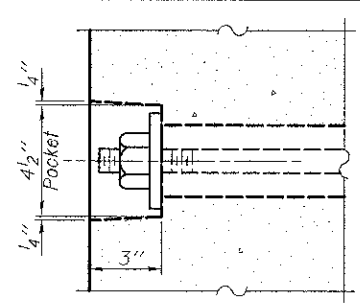
FABRIC BEARING PAD
(Interior)



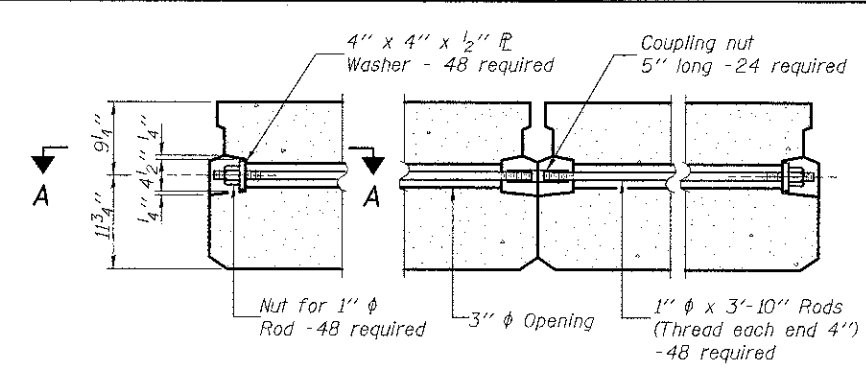
FABRIC BEARING PAD
(Exterior)

FIXED

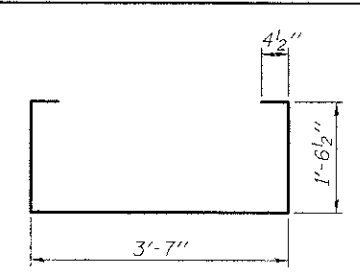
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



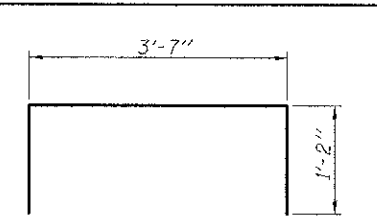
SECTION A-A



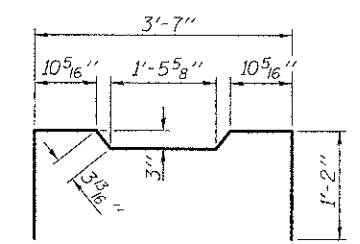
TYPICAL TRANSVERSE TIE ASSEMBLY



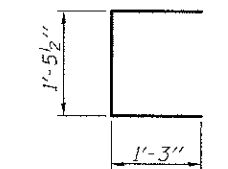
BAR S(E)



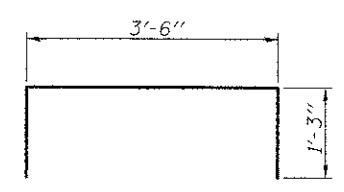
BAR S1(E)



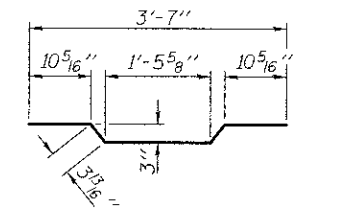
BAR S2(E)



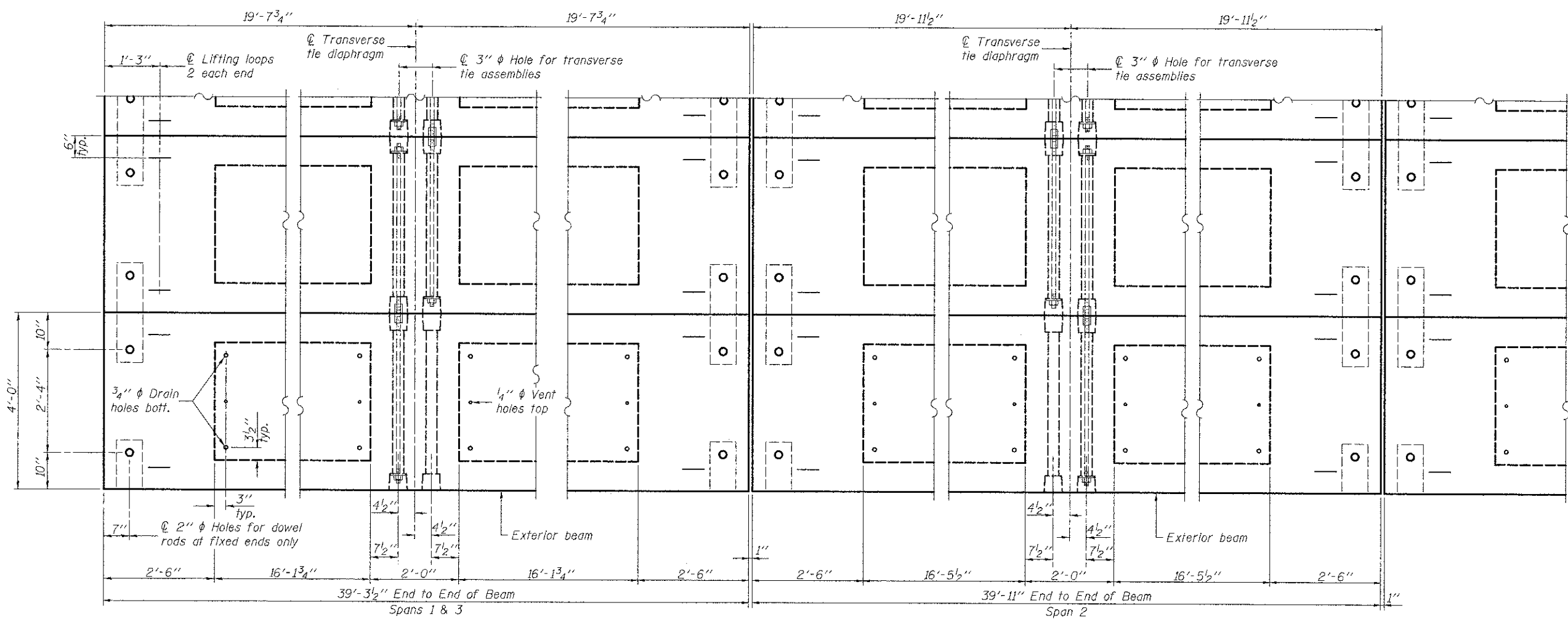
BAR U(E)



BAR U1(E)



BAR A1(E)

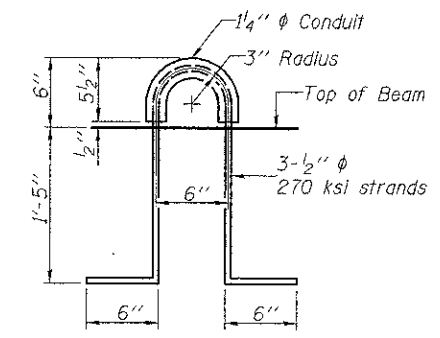


PLAN VIEW

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706, Grade 60.
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note: Connect beams in pairs with the transverse tie configuration shown.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	4,266
---	---------	-------

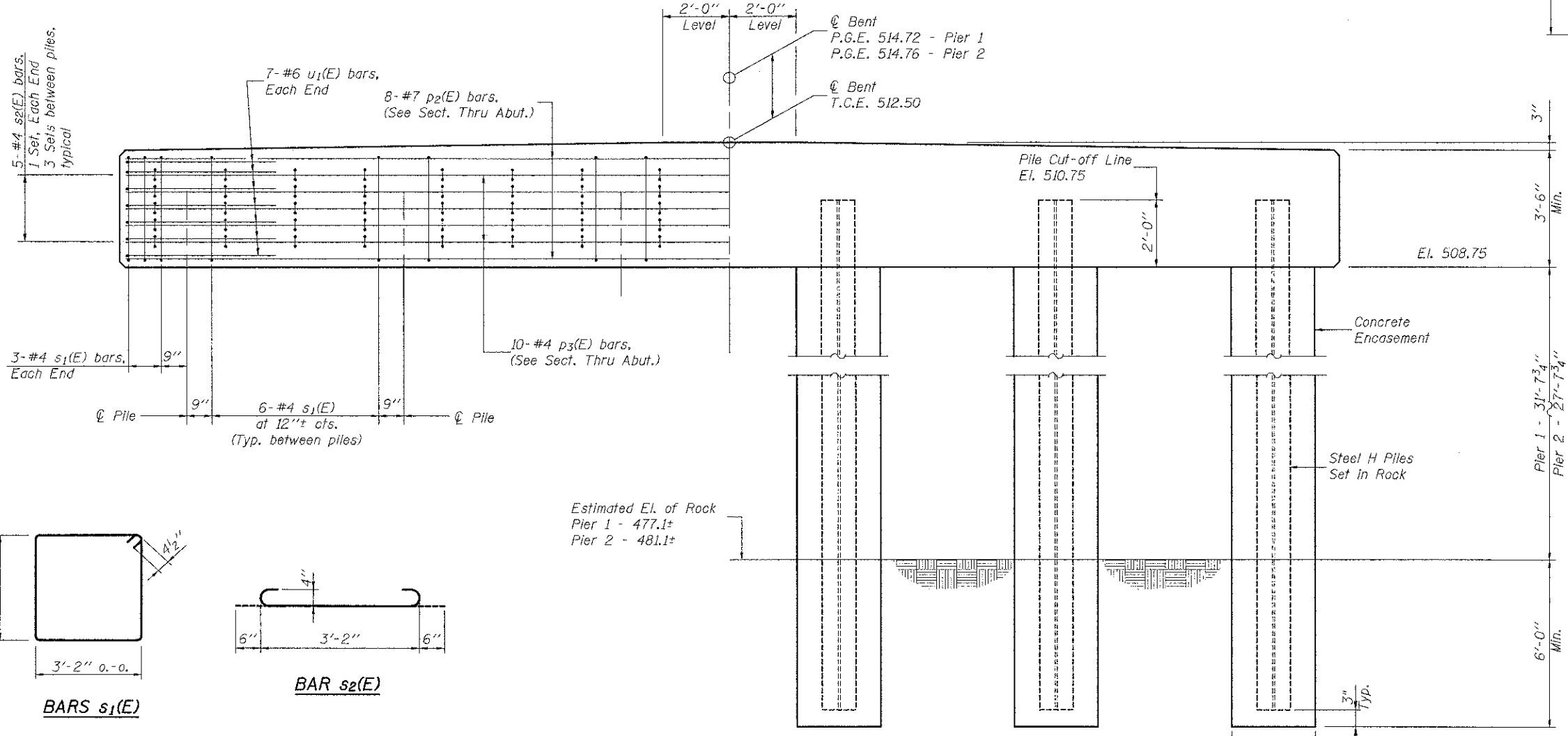
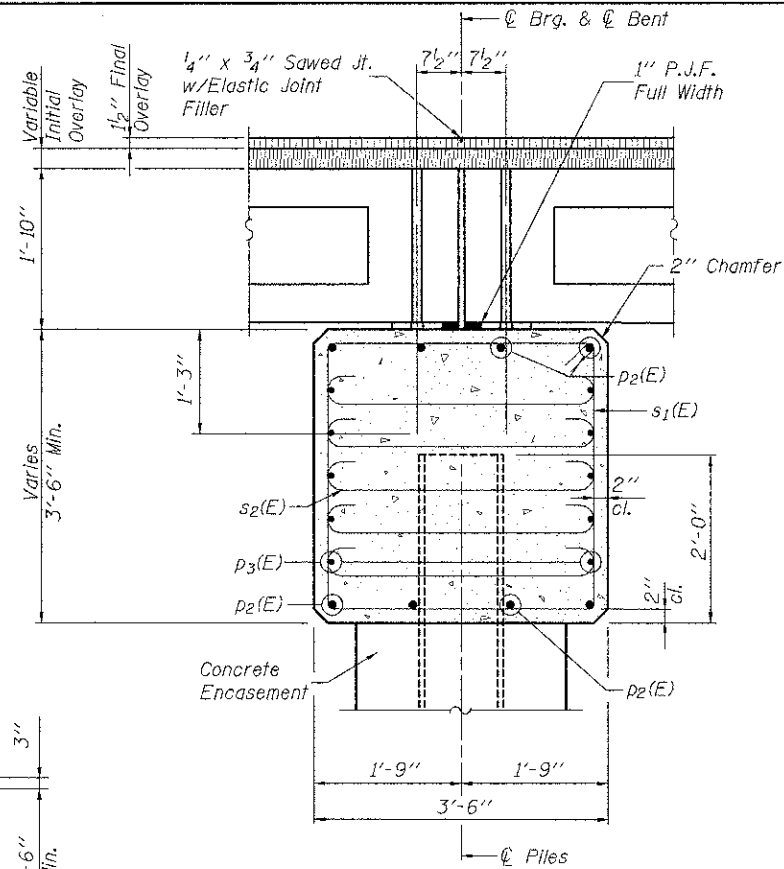
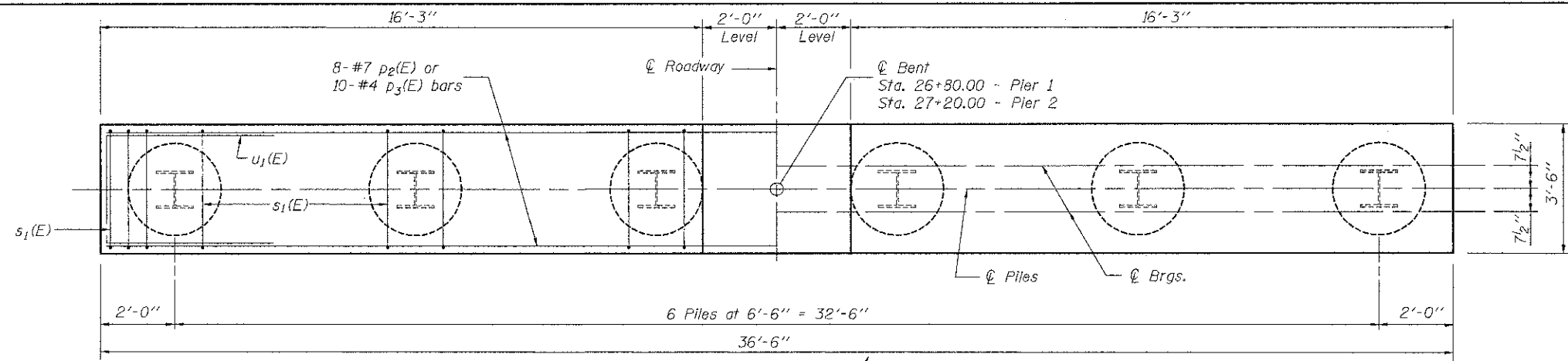
PD-2148-0D

7-1-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21" x 48" PPC DECK BEAM DETAILS

FAS RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	21
SN 003-3053		CONTRACT NO. 97508		
ILLINOIS FEDERAL AID PROJECT				



SECTION THRU PIER
(at Right Angles)

**BILL OF MATERIAL
ONE PIER**

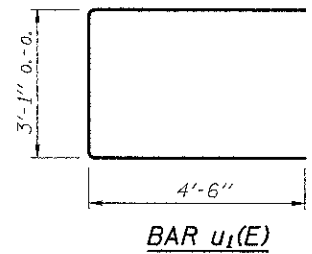
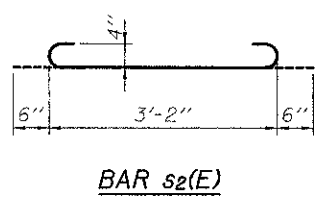
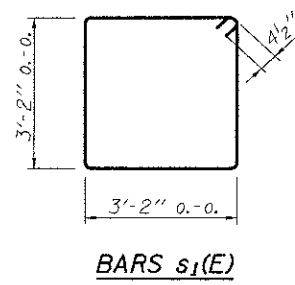
Bar	No.	Size	Length	Shape
p2(E)	8	#7	36'-2"	—
p3(E)	10	#4	36'-2"	—
s1(E)	36	#4	13'-5"	□
s2(E)	85	#4	4'-2"	U
u1(E)	14	#6	12'-1"	□
Concrete Structures			Cu. Yd.	17.2
Concrete Encasement - Pier 1			Cu. Yd.	34.6
Concrete Encasement - Pier 2			Cu. Yd.	30.2
Reinforcement Bars, Epoxy Coated			Pound	1,650
Furnishing Steel Piles HP 12x53 - Pier 1			Foot	240
Furnishing Steel Piles HP 12x53 - Pier 2			Foot	216
Setting Piles in Rock			Each	6

Notes:
 For Details of Piles and Concrete Encasement, see sheet 9 of 10.
 Space reinforcement in pile cap to miss dowel rods.
 If a portion of the drilled shaft, web walls or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

PILE DATA

	PIER 1	PIER 2
Type:	Steel HP 12x53	Steel HP 12x53
Nominal Required Bearing:	Set in Rock	Set in Rock
Factored Resistance Available:	426 k	426 k
Est. Length:	40 ft.	36 ft.
No. Production Piles:	6	6
No. Test Piles:	0	0

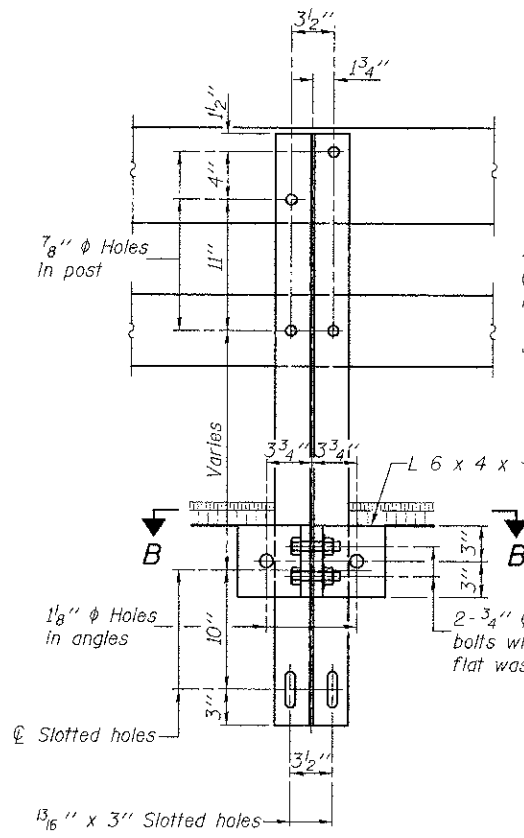
ELEVATION



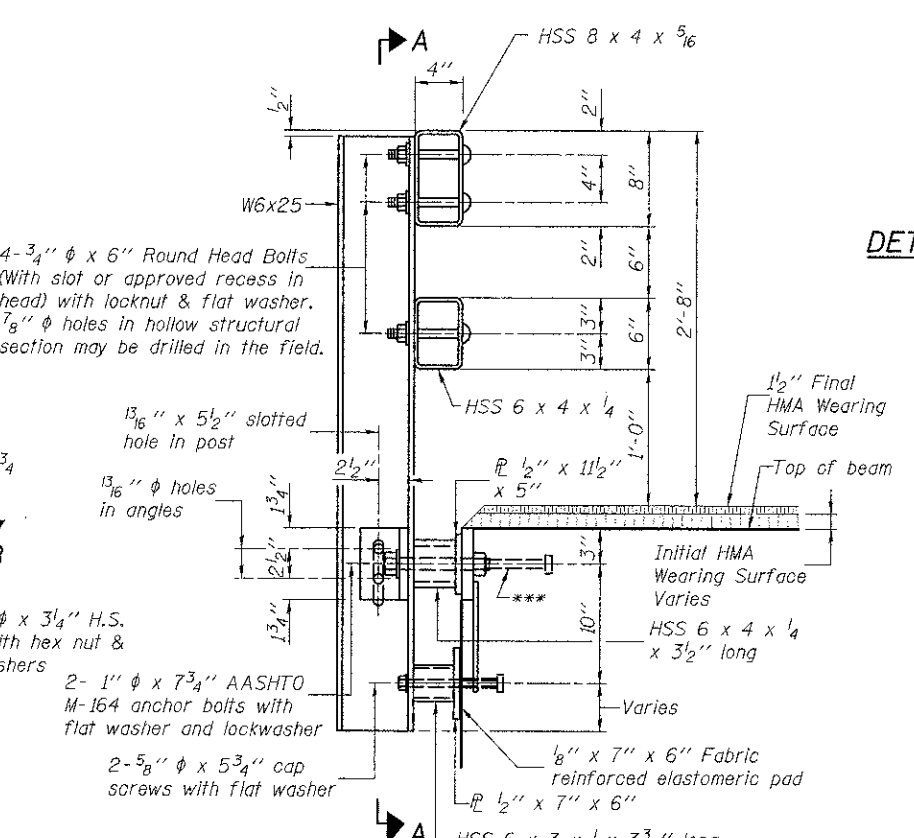
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS

FILE NAME: H:\5790\C.23.6\1dgc.p1a*_5790.01.dgn	USER NAME: .USERDESCP.	DESIGNED: B.I.B.	REVISED: -	FAS RTE: 779	SECTION: 07-00085-00-BR	COUNTY: BOND	TOTAL SHEETS: 41	SHEET NO.: 23
	PLOT SCALE: 2.0000 1/4" IN.	DRAWN: K.H.L.	REVISED: -	SCALE: 1/4" = 1'-0"	SN 003-3053	CONTRACT NO. 97508		
	PLOT DATE: 9/7/2002	CHECKED: L.D.G.	REVISED: -	SHEET NO. 7 OF 10 SHEETS	STA. TO STA.			
		DATE: -	REVISED: -					

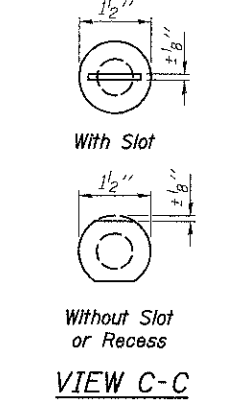


SECTION A-A

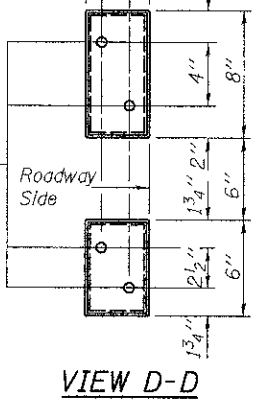


SECTION AT RAIL POST

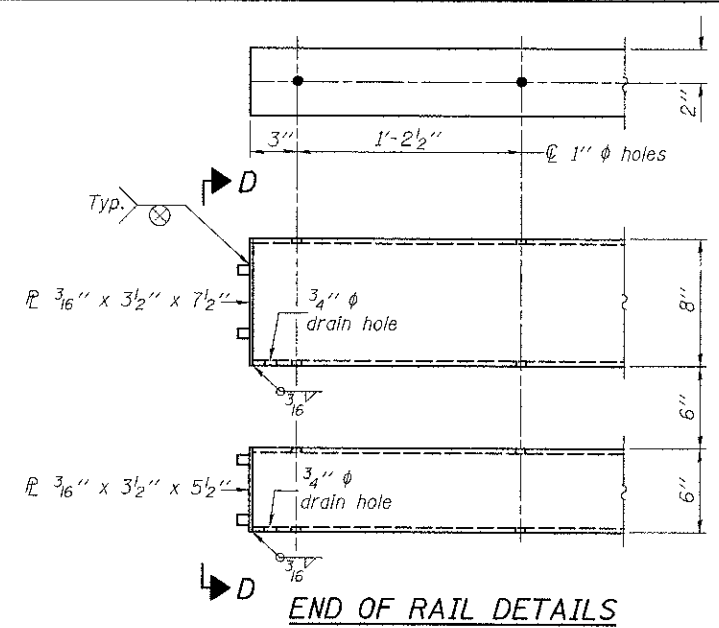
DETAIL OF 3/4" φ ROUND HEAD BOLT



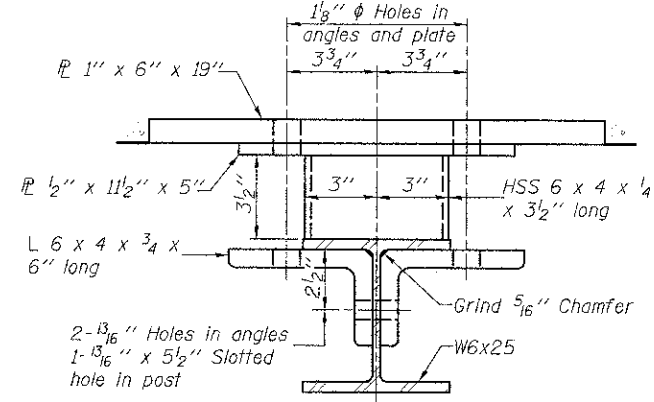
VIEW C-C



VIEW D-D

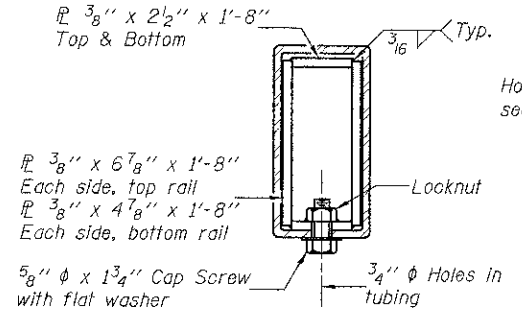
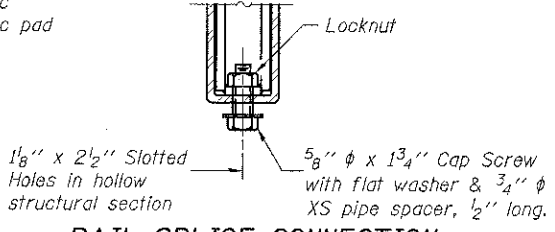


END OF RAIL DETAILS

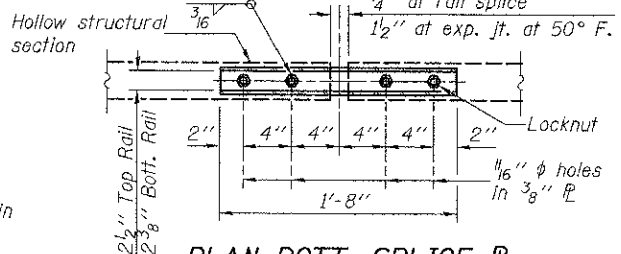


SECTION B-B

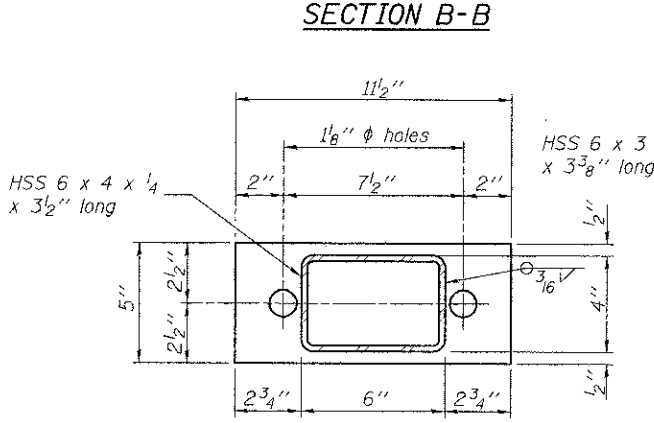
RAIL SPLICE CONNECTION AT EXPANSION JT.



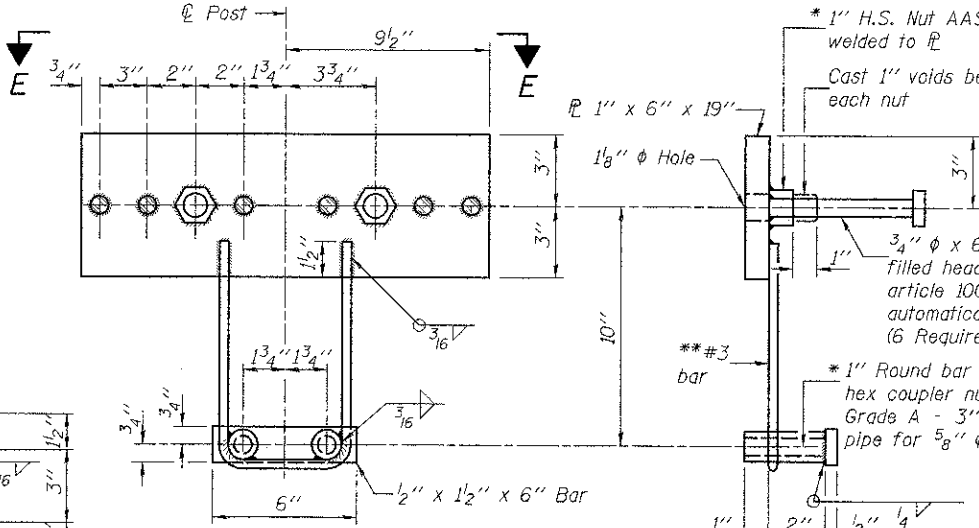
SECTION AT RAIL SPLICE



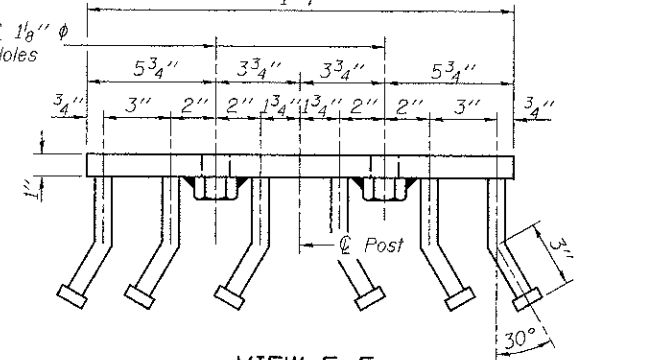
PLAN-BOTT. SPLICE P TYPICAL



SECTION B-B



ANCHOR DEVICE



VIEW E-E

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.
 All steel rail members 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.

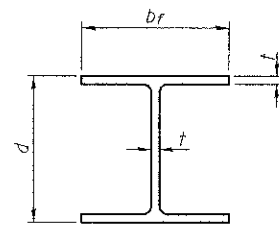
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	240

(6'-3" Maximum Post Spacing) (4 5/8" minimum to 7 5/8" maximum HMA thickness)

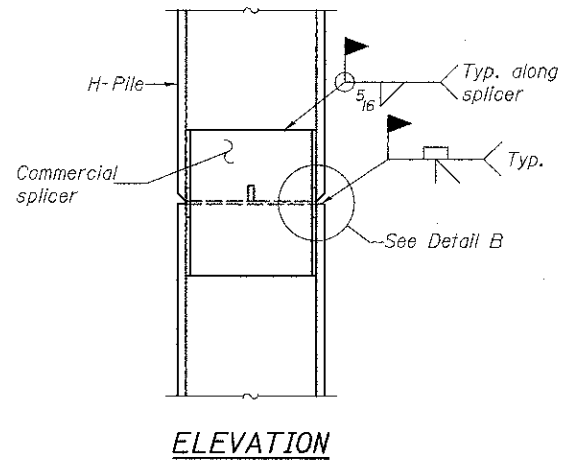
*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

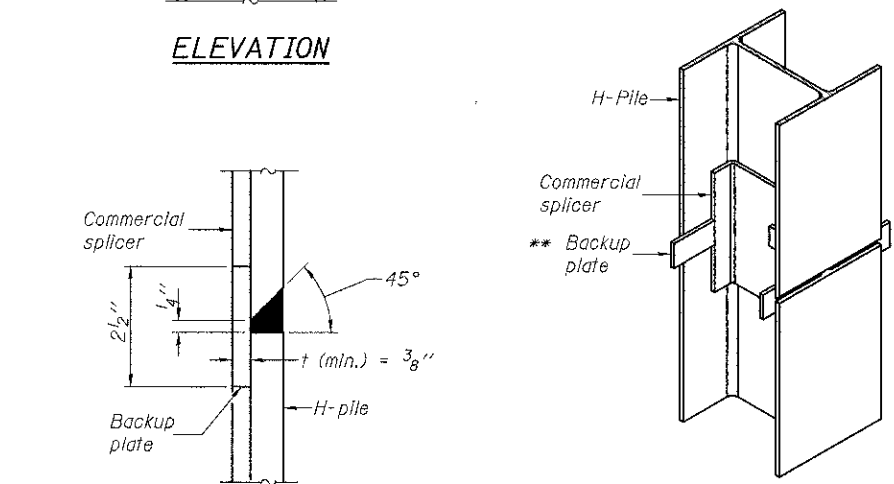


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	30"
x63	12"	12 1/8"	1/2"	30"
x53	11 3/4"	12"	7/16"	30"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

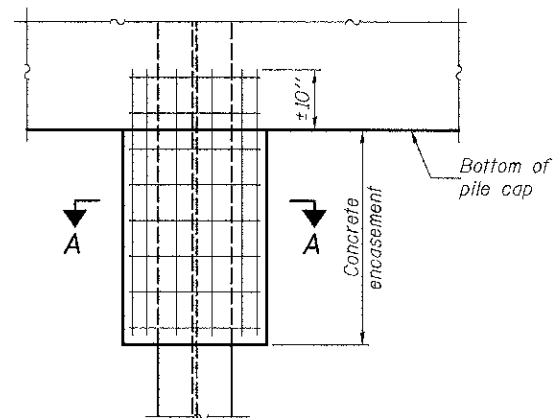


ELEVATION



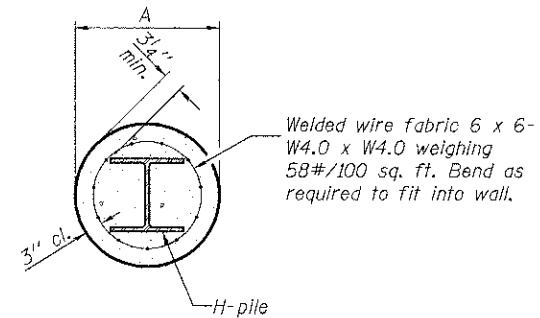
DETAIL "B"

WELDED COMMERCIAL SPLICE



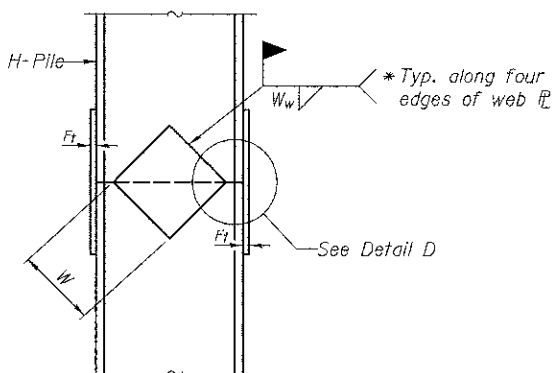
ELEVATION

PILE ENCASEMENT

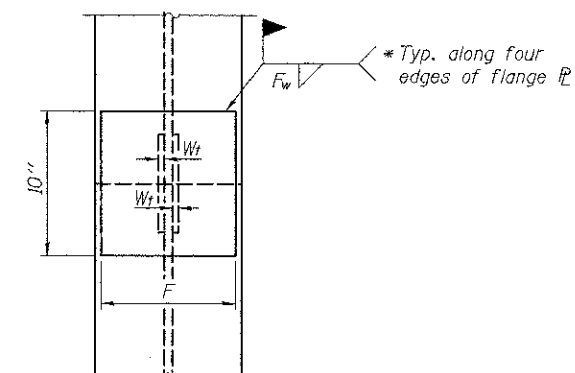


SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.



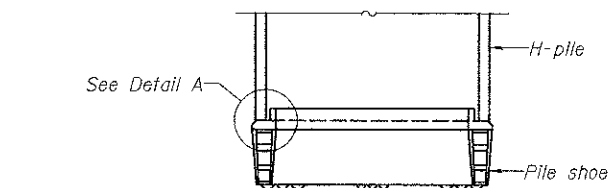
ELEVATION



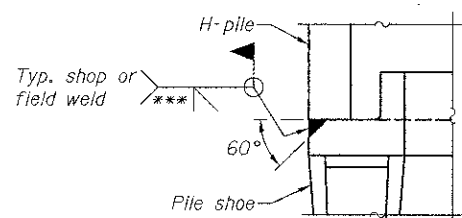
END VIEW

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/2"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/2"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 1/2"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/2"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

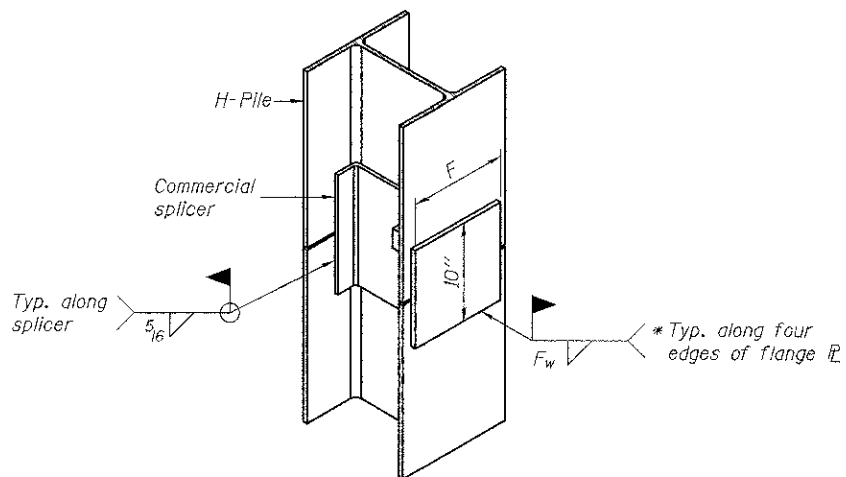


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

HOLCOMB FOUNDATION ENGINEERING INC.									
P.O. Box 88		618-529-5262				Page 1 of 1			
Carbondale, Il. 62903		618-457-8991 fax							
Bridge Foundation Boring Log									
Project: H-08220		Bridge Over Tributary to Shoal Creek		Date: 2-17-09					
Section: 07-00085-00-BR		Station							
Route: North Pokey Road				Bored by: D. Russell					
County: Bond				Checked By: T. Holcomb					
Boring No: 1				Surface Water Elev.					
Station:				Ground Water Elev. 489.6					
Offset:				Upon Completion phages					
Elevation	N	CU	tsf	Elevation	N	CU	tsf	N	
Ground Surface 504.8									
3' A-3/ 6" C. Stone 504.8									
Gray Silty CLAY and Crushed Stone mixture (A-6)	17	1.05	7	488.6					
502.6				478.6	100	1/4	8.25	11	
Gray Silty CLAY (A-6)	7	3.18	19	477.1					
502.6				477.1					
	4	1.08	25	474.1	100	1/4		4	
				474.1	100	1/4		3	
496.6				474.1					
Brown Mottled Gray Silty CLAY (A-6)	3	0.98	24	End of Boring @ -31.5'					
494.1									
Gray SAND (A-2-4) w/ clay	4		11						
491.6									
Gray Mottled Brown Sandy CLAY (A-6)	3	0.88	20						
489.1									
Gray SAND (A-2-4) with gravel	2		25						
486.6									
Gray Mottled Brown CLAY (A-6)	4	1.48	29						
484.1									
Gray Weathered SHALE	20	3.56	17						

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
 Qu-Unconfined Compressive Strength in tons/sq.ft.
 w-Water Content-percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

HOLCOMB FOUNDATION ENGINEERING INC.									
P.O. Box 88		618-529-5262				Page 1 of 1			
Carbondale, Il. 62903		618-457-8991 fax							
Bridge Foundation Boring Log									
Project: H-08220		Bridge Over Tributary to Shoal Creek		Date: 2-17-09					
Section: 07-00085-00-BR		Station							
Route: North Pokey Road				Bored by: D. Russell					
County: Bond				Checked By: T. Holcomb					
Boring No: 2				Surface Water Elev.					
Station:				Ground Water Elev. 488.6					
Offset:				Upon Completion phages					
Elevation	N	CU	tsf	Elevation	N	CU	tsf	N	
Ground Surface 504.8									
3' A-3/ 6" C. Stone 503.8									
Brown Mottled Gray Silty CLAY (A-6) with crushed stone	13		5	481.1					
501.6				481.1					
Brown Mottled Gray Silty CLAY (A-6) w/ sand	4	0.88	22	475.6	100	1/4		3	
498.6				475.6	100	1/4		3	
Gray Mottled Brown Sandy CLAY (A-6)	10	1.25	17	End of Boring @ -29.0'					
493.1									
Gray Clayey SAND (A-2-4)	3	0.68	16						
491.6									
Gray SAND (A-2-4)	4		22						
488.1									
Gray SAND (A-2-4)	4		16						
485.6									
Gray Mottled Brown SAND (A-2-4) w/ gravel and clay	20		16						
483.1									
Gray to Brown Weathered SHALE	12		18						

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
 Qu-Unconfined Compressive Strength in tons/sq.ft.
 w-Water Content-percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

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		CHECKED : L.D.G.	REVISED : -
		DATE : -	REVISED : -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

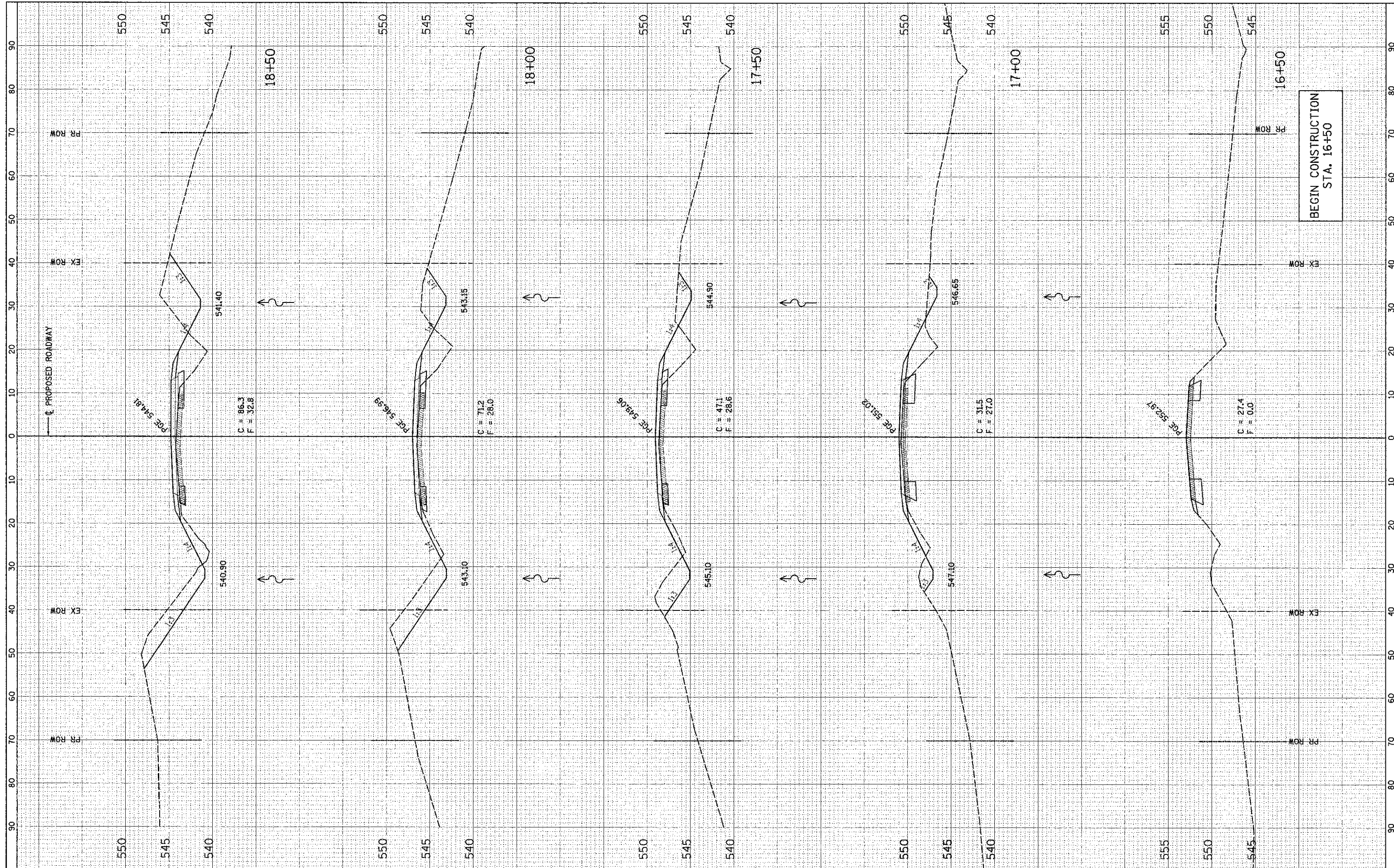
SOIL BORING LOGS

SCALE:	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.
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FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	26
SN 003-3053			CONTRACT NO. 97508	
ILLINOIS FEDERAL AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NO. 1 BOOK	
AREAS CHECKED	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NO. 1 BOOK	
AREAS CHECKED	
AREAS CHECKED	



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 USER NAME = USERDESC4

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

SCALE: SHEET NO. 1 OF 15 SHEETS STA. 16+50.00 TO STA. 18+50.00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

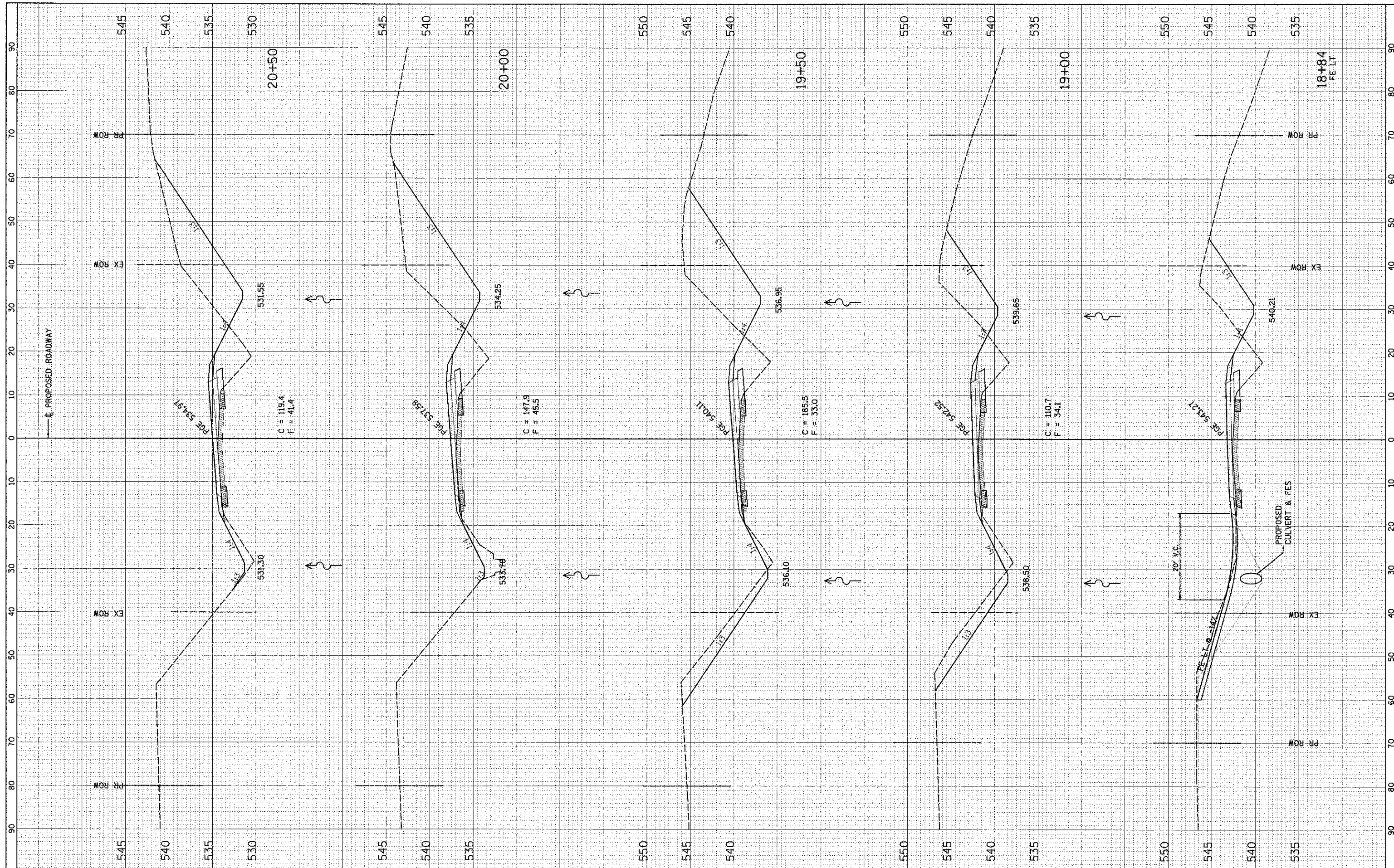
**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**

F.A.S. RTE. 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97508	

BMG NO. 5750

CIVIL	BY	DATE
SURVEY		
NOTED		
AREAS		
CHECKED		

DATE	BY



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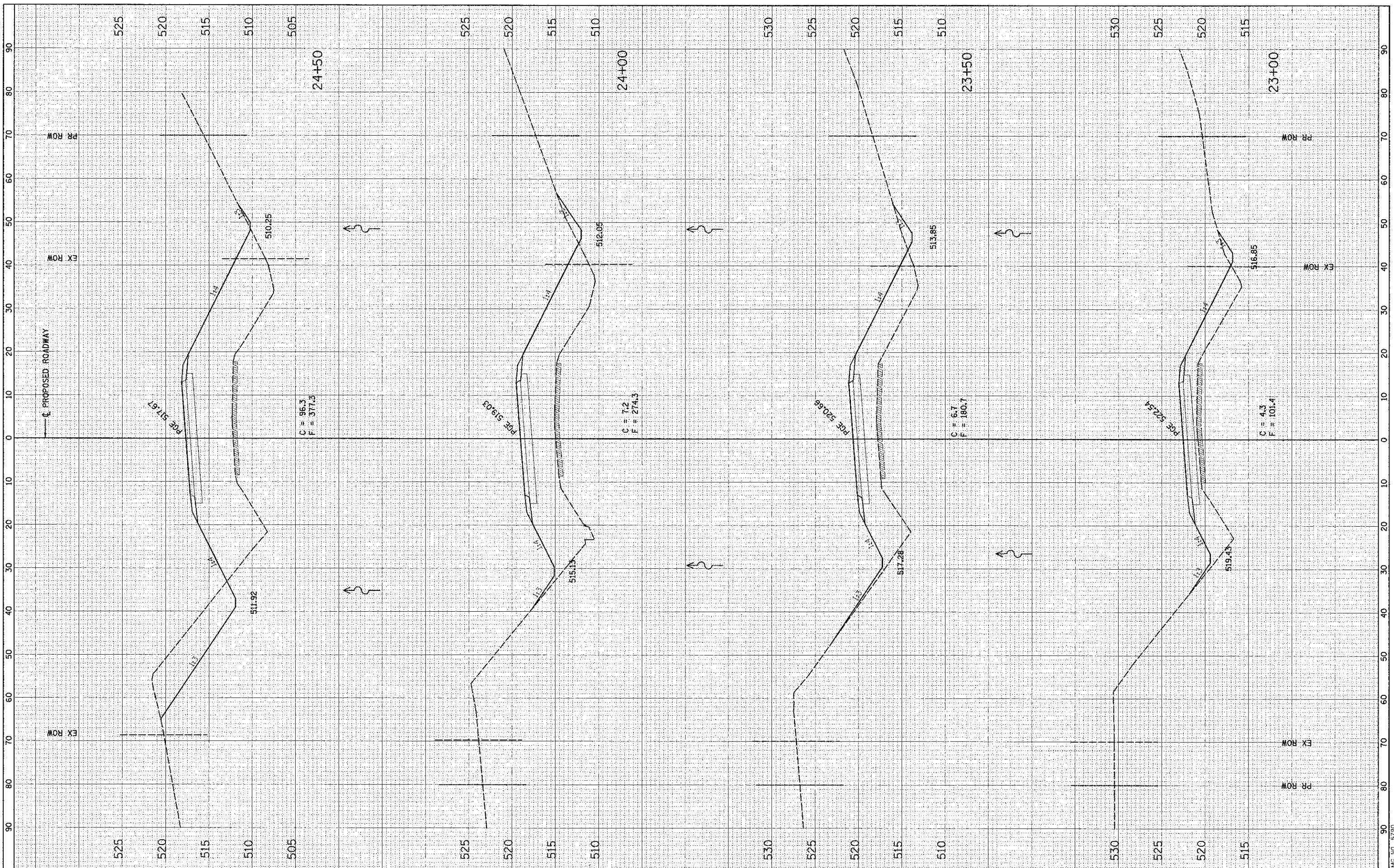
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 2 OF 15 SHEETS STA. 18+84.00 TO STA. 20+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	28
CONTRACT NO. 97508				
ILLINOIS FED. AID PROJECT				

FWM	DATE
SURVEY	BY
PLOTTED	DATE
ROUTE BOOK	NO.
AREAS	DATE
DESIGNED	BY

ORIGINAL	DATE
SURVEY	BY
PLOTTED	DATE
ROUTE BOOK	NO.
AREAS	DATE
DESIGNED	BY



FILE NAME = I:\5790\C.C.27 41.XS.3790.dgn
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 PLOT DATE = 9/28/2012

DESIGNED -
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 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

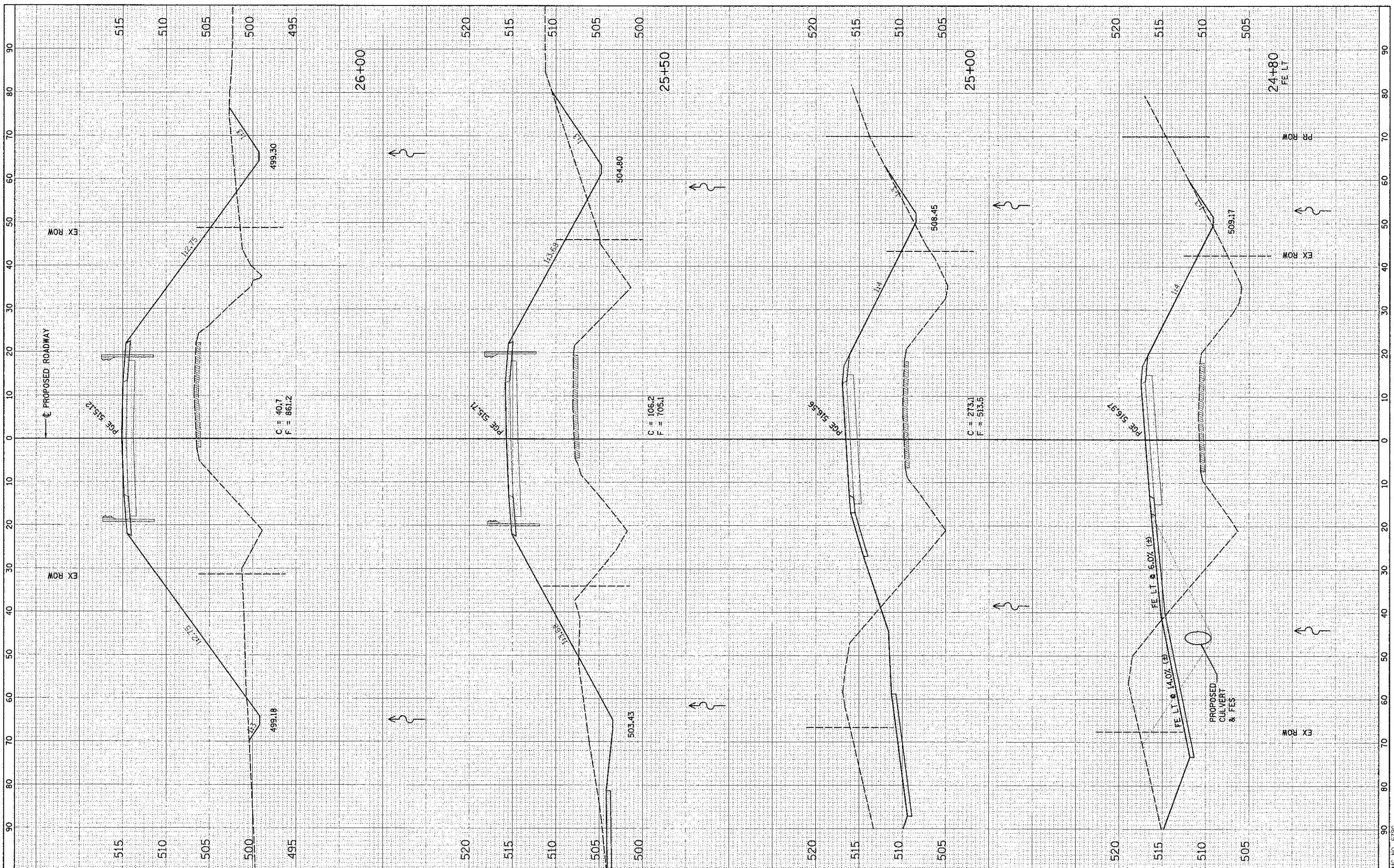
**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 4 OF 15 SHEETS STA. 23+00.00 TO STA. 24+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	30
CONTRACT NO. 97508			ILLINOIS FED. AID PROJECT	

HMC NO. 5790

FILE NAME	DATE
SURVEYED	BY
PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	
AREAS DESIGNED	

ORIGINAL SURVEY	DATE
SHORTENED SURVEY	BY
PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	
AREAS DESIGNED	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**

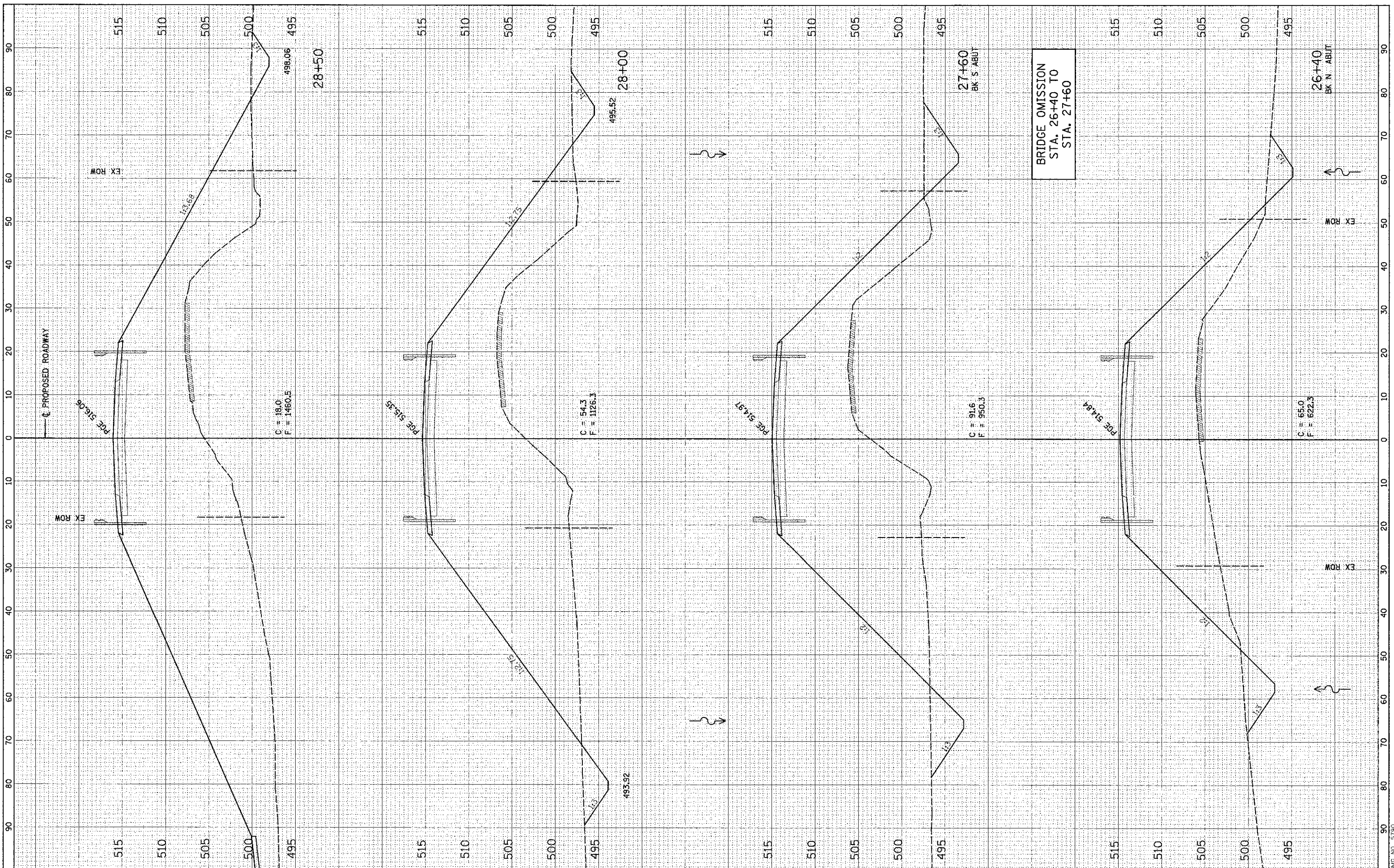
SCALE: SHEET NO. 5 OF 15 SHEETS STA. 24+80.00 TO STA. 26+00.00

F.A.S. RTE. 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 31
CONTRACT NO. 97508			ILLINOIS FED. AID PROJECT	

PLG NO. 5750

FINAL SURVEY	BY	DATE
SUPPLEMENTED		
NOTED		
AREAS		

ORIGINAL SURVEY	BY	DATE
NOTED		
AREAS		



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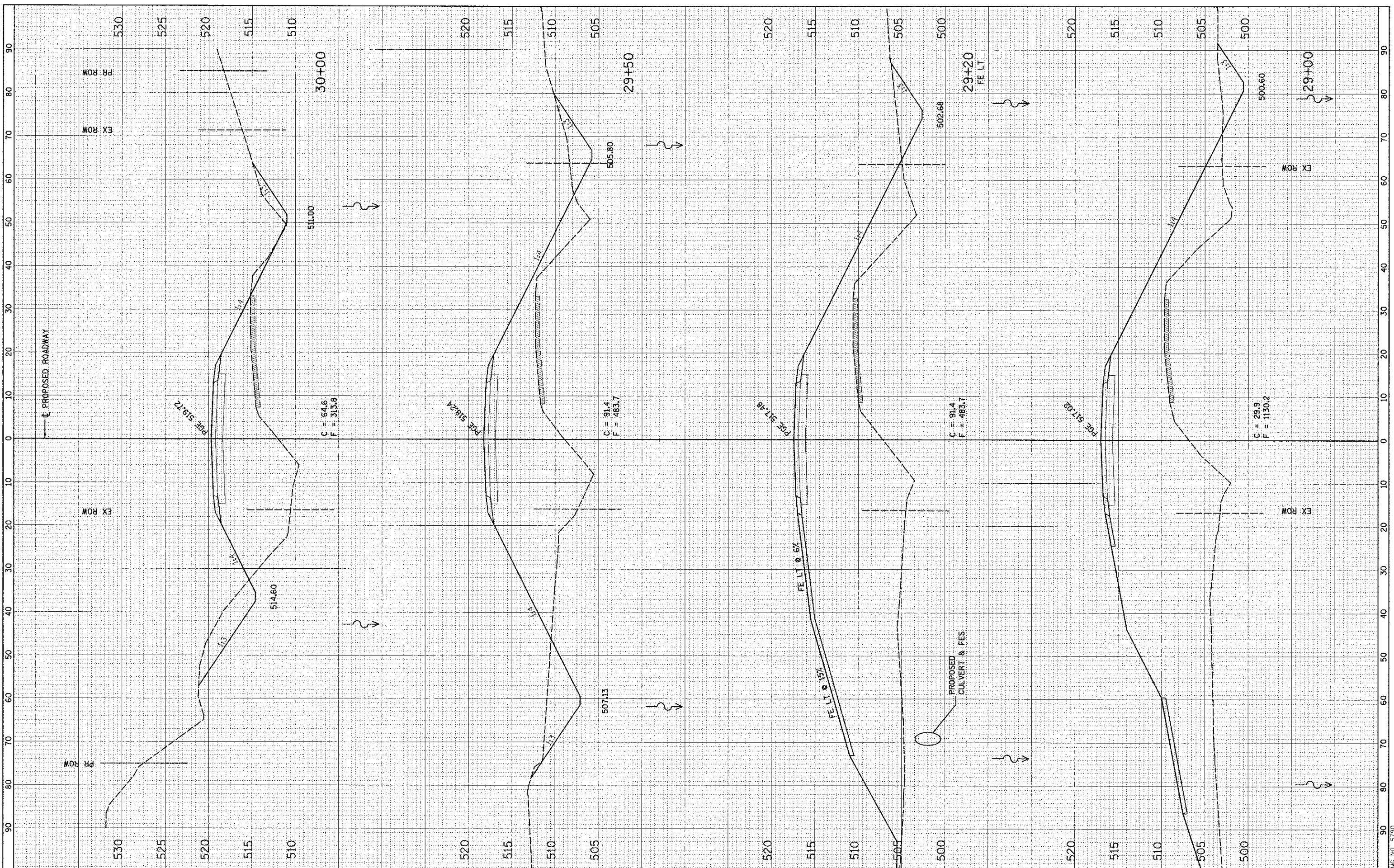
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 6 OF 15 SHEETS STA. 26+40.00 TO STA. 28+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	32
CONTRACT NO. 97508			ILLINOIS FED. AID PROJECT	

NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION



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 CHECKED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

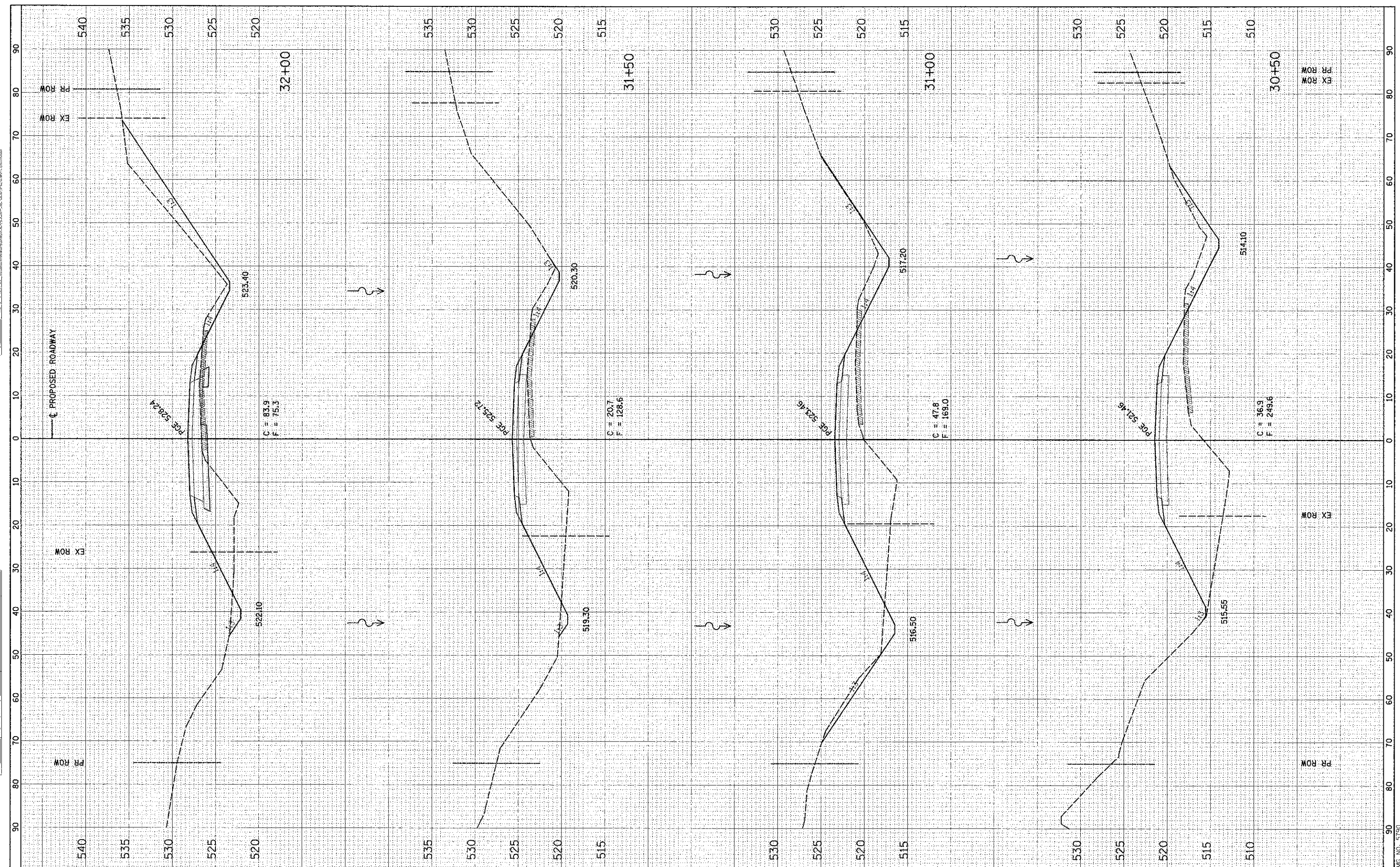
**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 7 OF 15 SHEETS STA. 29+00.00 TO STA. 30+00.00

F.A.S. RTE. 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 33
CONTRACT NO. 97508				
ILLINOIS FED. AID PROJECT				

RMG NO. 5750

FINA. SURVEY	SURVEYED	DATE
NOTE BOOK	FOOTED	
AREAS	CHECKED	
AREAS	CHECKED	

BY	DATE



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DATE -	REVISD -
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PLT DATE = 9/28/2012	

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CHECKED -	REVISD -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

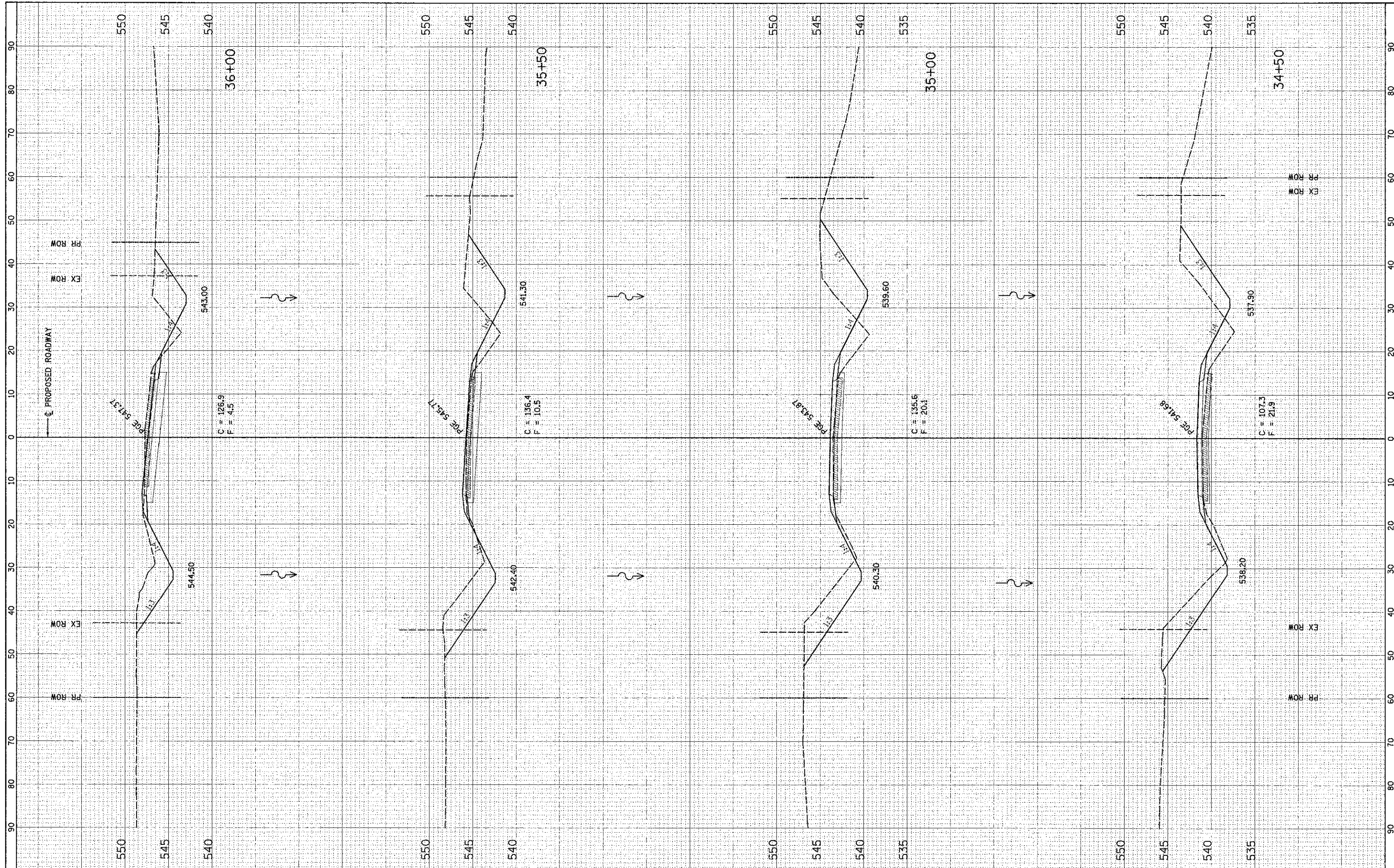
CROSS SECTIONS EXISTING & PROPOSED ROADWAY	
SCALE:	SHEET NO. 8 OF 15 SHEETS STA. 30+50.00 TO STA. 32+00.00

F.A.S. RTE. 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS 41	SHEET NO. 34
CONTRACT NO. 97508			ILLINOIS FED. AID PROJECT	

IMG NO. 5790

DATE	BY
REVISIONS	
1. SURVEYED	
2. PLOTTED	
3. CHECKED	
4. DESIGNED	
5. APPROVED	
6. AS-BUILT	

DATE	BY
REVISIONS	
1. SURVEYED	
2. PLOTTED	
3. CHECKED	
4. DESIGNED	
5. APPROVED	
6. AS-BUILT	



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 DATE -

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SCALE: 1" = 16.0000' / IN.
 PLOT DATE = 9/28/2012

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

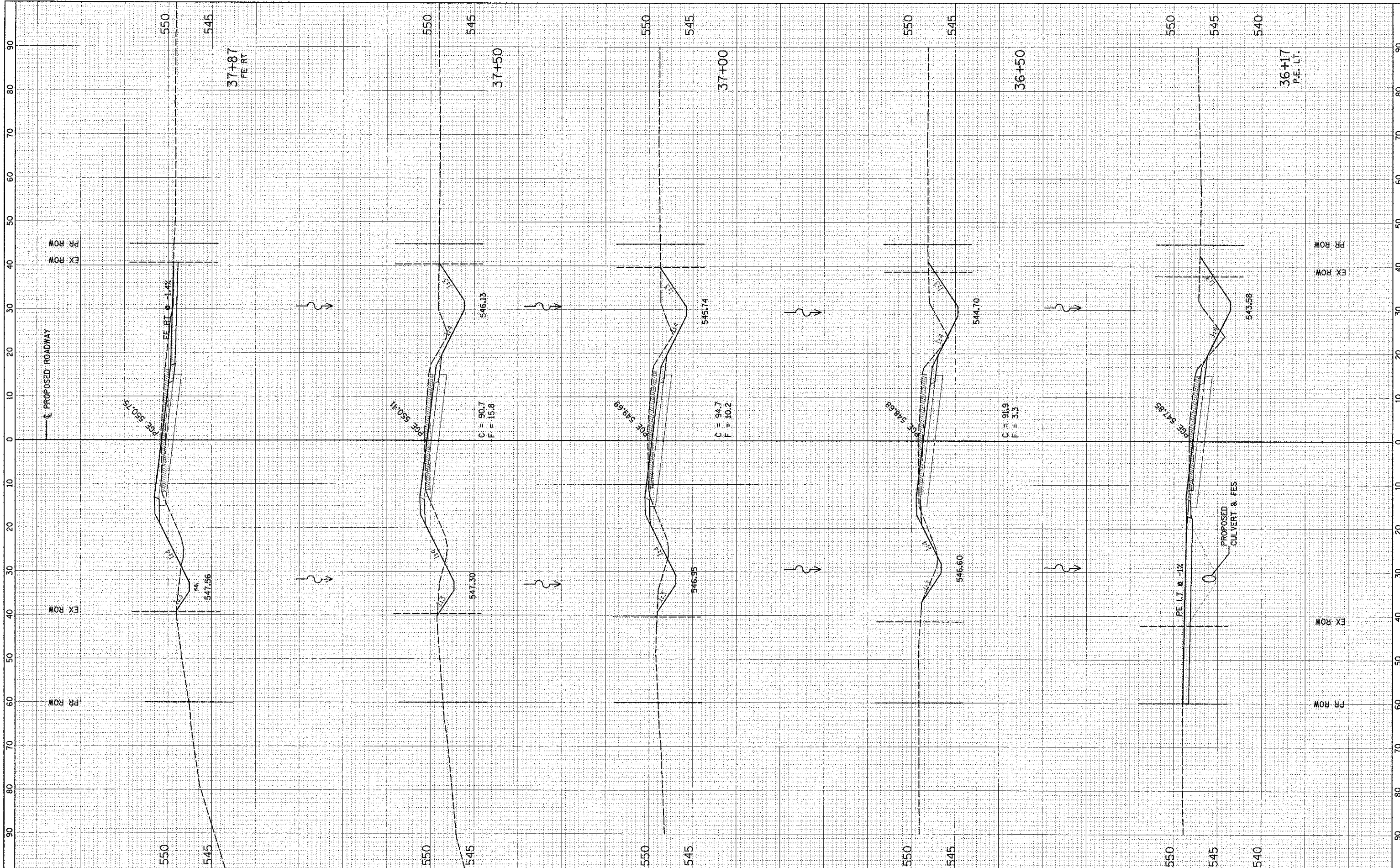
**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 10 OF 15 SHEETS STA. 34+50.00 TO STA. 36+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	36
CONTRACT NO. 97508				
ILLINOIS FED. AID PROJECT				

HMG NO. 5750

FINE SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK DISPLAY
 NO. 11-15 AREAS CHANGED

ORIGINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK DISPLAY
 NO. 11-15 AREAS CHANGED



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CHECKED -	REVISED
DATE -	REVISED

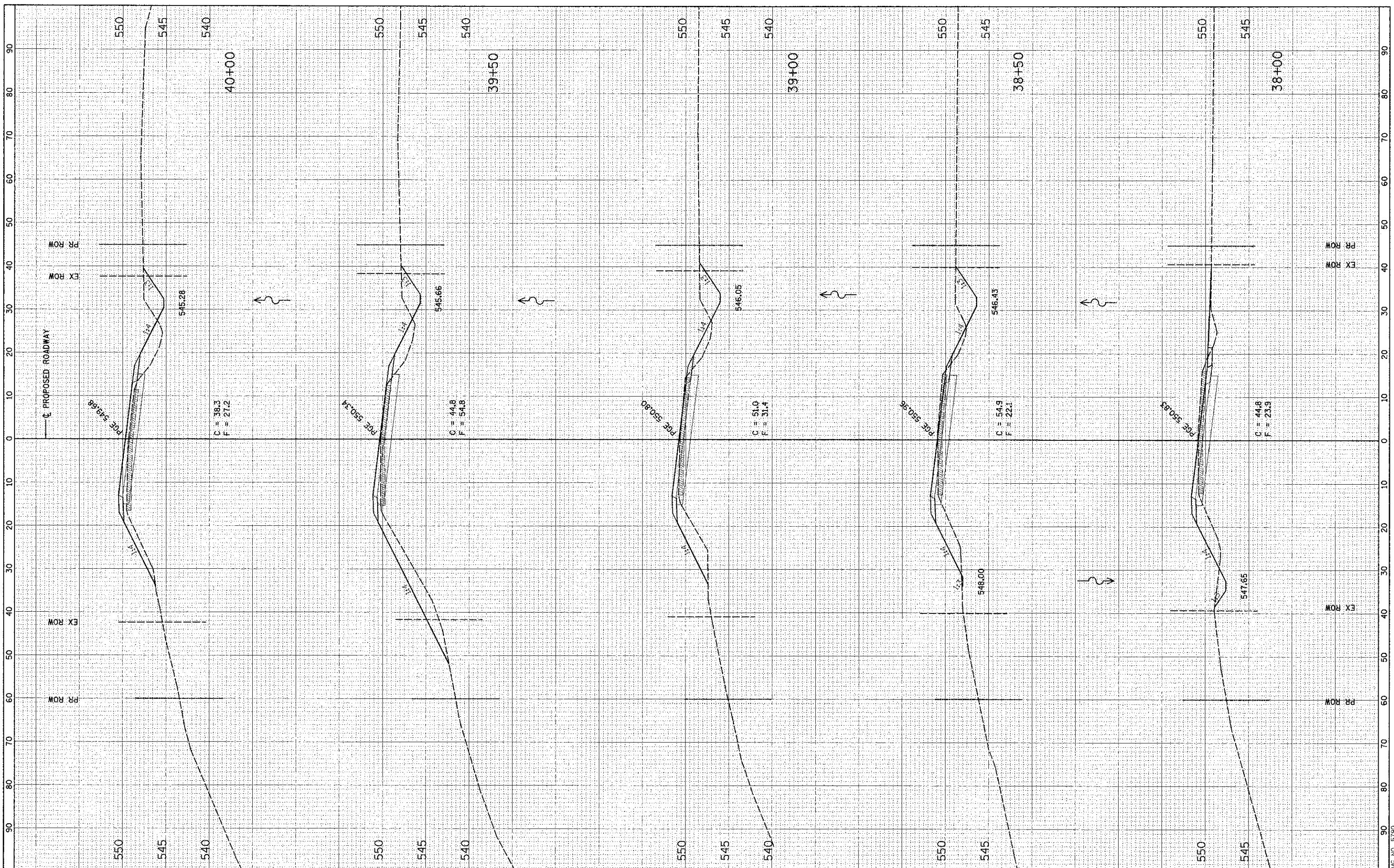
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 11 OF 15 SHEETS STA. 36+17.00 TO STA. 37+87.00

F.A.S. RTE. 779	SECTION 07-00085-00-BR	COUNTY BOND	TOTAL SHEETS: 41	SHEET NO. 37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97508	

DATE	BY	DATE
SURVEYED	PLOTTED	DATE
NOTE BOOK	NO. 6006	AREAS CHECKED
NO.		

DATE	BY	DATE
SURVEYED	PLOTTED	DATE
NOTE BOOK	NO. 6006	AREAS CHECKED
NO.		



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DESIGNED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

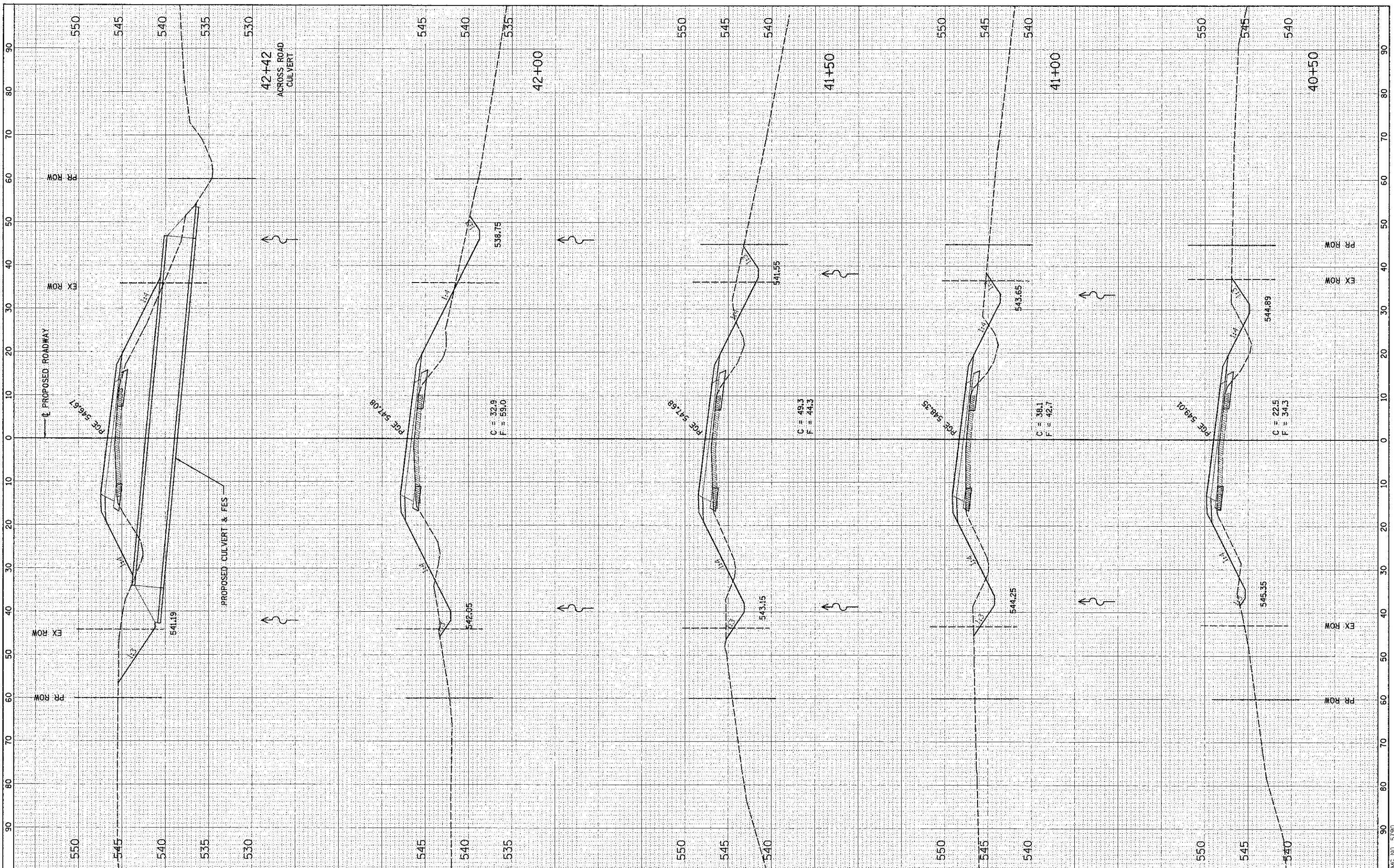
**CROSS SECTIONS
 EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 12 OF 15 SHEETS STA. 38+00.00 TO STA. 40+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	38
CONTRACT NO. 97508				
ILLINOIS FED. AID PROJECT				

HWG NO. 5790

NO.	NO.
AREAS CHECKED	AREAS DESIGNED
AREAS	AREAS
DATE	DATE
BY	BY
PLOTTED	PLOTTED
SURVEY	SURVEY
FINAL	FINAL

NO.	NO.
AREAS CHECKED	AREAS CHECKED
AREAS	AREAS
DATE	DATE
BY	BY
PLOTTED	PLOTTED
SURVEY	SURVEY
FINAL	FINAL



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 PLOT SCALE: 10.0000' / 1"
 PLOT DATE: 9/28/2012

DESIGNED	REVISOR
DRAWN	REVISOR
CHECKED	REVISOR
DATE	REVISOR

DESIGNED	REVISOR
DRAWN	REVISOR
CHECKED	REVISOR
DATE	REVISOR

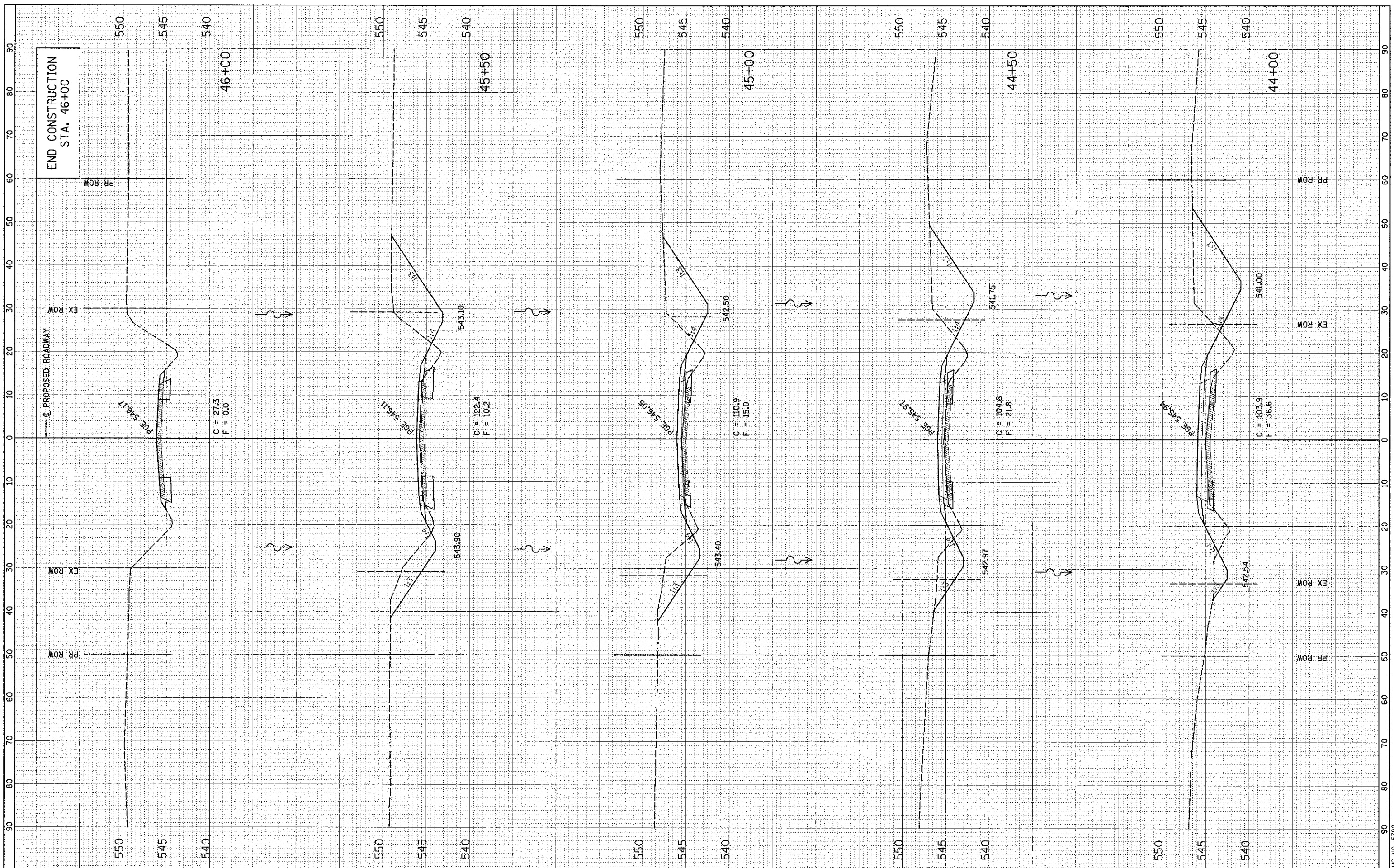
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
EXISTING & PROPOSED ROADWAY**
 SCALE: SHEET NO. 13 OF 15 SHEETS STA. 40+50.00 TO STA. 42+42.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS: NO.
779	07-00085-00-BR	BOND	41 39
CONTRACT NO. 97508			ILLINOIS FED. AID PROJECT

ORIGINAL SURVEYED	BY	DATE
SURVEY PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEYED	BY	DATE
SURVEY PLOTTED		
NOTE BOOK		
AREAS CHECKED		



FILE NAME : \\5792\VC-27-41\XS_8196.dgn
 USER NAME : USER\JRS\CHP

DESIGNED	REVISOR
DRAWN	REVISOR
CHECKED	REVISOR
DATE	REVISOR

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
EXISTING & PROPOSED ROADWAY**

SCALE: SHEET NO. 15 OF 15 SHEETS STA. 44+00.00 TO STA. 46+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
779	07-00085-00-BR	BOND	41	41
CONTRACT NO. 97508				
ILLINOIS FED. AID PROJECT				