

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 64C25		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 308 (IL 84)
SECTION 109BR-5
PROJECT ACNHF-0308(033)
WHITESIDE COUNTY

C-92-122-06

D-92-060-06



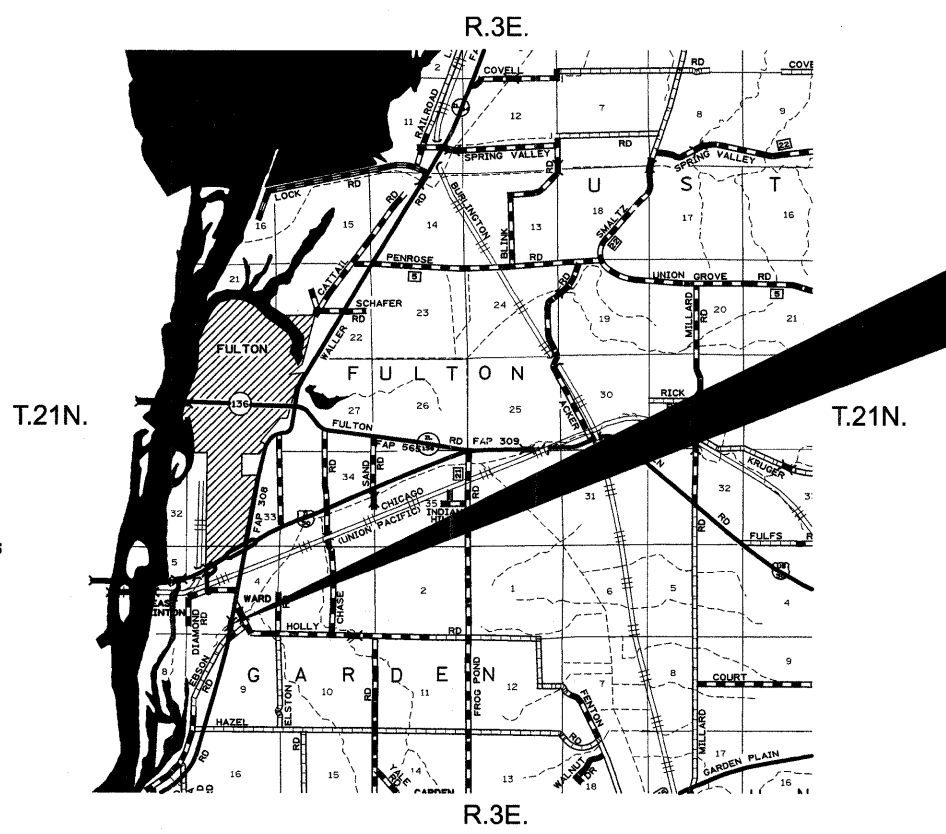
LOCATION OF SECTION INDICATED THIS: - [shaded box] -

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STATE STANDARDS

- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-06 BRIDGE APPROACH PAVEMENT
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 515001-02 NAME PLATE FOR BRIDGES
- 542406 METAL END SECTION FOR PIPE ARCHES
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 630301-04 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-06 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001 DELINEATORS
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAIL
- 666001 RIGHT-OF-WAY MARKERS
- 667101 PERMANENT SURVEY MARKERS
- 701001-01 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5M (15') AWAY
- 701006-02 OFF-ROAD OPERATIONS, 2L, 2W, 4.5M (15') TO 600 MM (24") FROM PAVEMENT EDGE
- 701011-01 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
- 701321-09 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45MPH
- 701901 TRAFFIC CONTROL DEVICES
- 704001-04 TEMPORARY CONCRETE BARRIER
- 720011 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 728001 TELESCOPING STEEL SIGN SUPPORT
- 729001 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 886001 DETECTOR LOOP INSTALLATIONS
- 886006 TYPICAL LAYOUT FOR DETECTOR LOOPS
- BLR 21-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-01 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 60101 CONCRETE HEADWALL FOR PIPE DRAIN



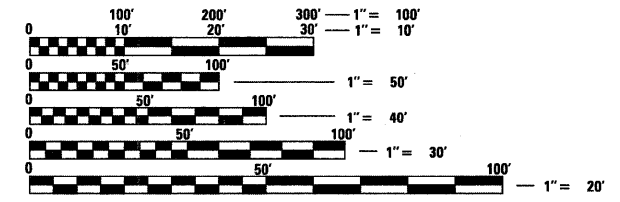
IMPROVEMENT BEGINS
STA. 325 + 80

SECTION BEGINS
STA. 339 + 00
INCLUDES THE REMOVAL AND REPLACEMENT
OF THE STRUCTURE CARRYING IL 84 OVER
CATTAIL CREEK STA 344 + 76
EXISTING SN-098-0021
PROPOSED SN-098-0114

SECTION ENDS
STA. 348 + 55

IMPROVEMENT ENDS
STA. 360 + 70

GARDEN PLAIN TOWNSHIP, SECTIONS 4,9
GROSS LENGTH = 3,490 FT. = 0.66 MILES
NET LENGTH = 3,490 FT. = 0.66 MILES



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 64C25



PROJECT ENGINEER: REBECCA MARRUFFO

SQUAD LEADER: KEVIN HENSON (815)-284-5971

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8/11 2008

Morgan J. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 3, 20 08
Eric E. Harn
Interim ENGINEER OF DESIGN AND ENVIRONMENT

October 3, 20 08
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		X020-2A
				1000	80% FED 20% STATE	
20101000	TEMPORARY FENCE	FOOT	2306		2306	
20100500	TREE REMOVAL, ACRES	ACRE	0.55		0.55	
20200100	EARTH EXCAVATION	CU YD	1035		1035	
20400800	FURNISHED EXCAVATION	CU YD	2222		2222	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	83			83
21101625	TOPSOIL FURNISH ^{AND} PLACE, 6"	SQ YD	9811		9811	
25000210	SEEDING, CLASS 2A	ACRE	2		2	
25100105	MULCH, METHOD 1	ACRE	0.5		0.5	
25100630	EROSION CONTROL BLANKET	SQ YD	7906		7906	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	805		805	
28000400	PERIMETER EROSION BARRIER	FOOT	4175		4175	
28000500	INLET AND PIPE PROTECTION	EACH	1		1	
28100107	STONE RIPRAP, CLASS A4	SQ YD	1283		28	1255
28200200	FILTER FABRIC	SQ YD	1283		28	1255
35101400	AGGREGATE BASE COURSE, TYPE B	TON	864		864	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	6		6	
40600300	AGGREGATE (PRIME COAT)	TON	22		22	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1224		1224	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	144		144	
40600990	TEMPORARY RAMP	SQ YD	73		73	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	350		350	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	205		205	
40800050	INCIDENTIAL HOT-MIX ASPHALT SURFACING	TON	225		225	
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	288		288	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	58		58	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	94		94	
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	4464		4464	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1
50105200	REMOVE EXISTING CULVERTS	EACH	1			1
50200100	STRUCTURE EXCAVATION	CU YD	148			148
50300225	CONCRETE STRUCTURES	CU YD	182.4			182.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	310.4			310.4
50300260	BRIDGE DECK GROOVING	SQ YD	439			439
50300280	CONCRETE ENCASEMENT	CU YD	11			11
50300300	PROTECTIVE COAT	SQ YD	548			548
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	71420			71420
* SPECIALITY ITEM						

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 1000	
				80% FED STATE	20% STATE
50800515	BAR SPLICERS	EACH	285		285
51200959	FURNISHING METAL SHELL PILES 14" x 0.312"	FOOT	1867		1867
51202305	DRIVING PILES	FOOT	1867		1867
51203200	TEST PILE METAL SHELLS	EACH	2		2
51205200	TEMPORARY SHEET PILING	SQ. FT	967		967
51500100	NAME PLATES	EACH	1		1
54208665	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL, EQUIVALENT ROUND-SIZE 60"	FOOT	84		84
54215805	METAL END SECTIONS, EQUIVALENT ROUND-SIZE 60"	EACH	2		2
59100100	GEOCOMPOSITE WALL DRAIN	SQ. YD	52		52
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	160		160
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	3100		3100
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4		4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4
63200310	GUARDRAIL REMOVAL	FOOT	3340		3340
63500105	DELINEATORS	EACH	6		6
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	25		25
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2		2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL. MO	6		6
67100100	MOBILIZATION	L. SUM	1		1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L. SUM	1		1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L. SUM	1		1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L. SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL. DA	20		20
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	493		493
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	6184		6184
70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	76		76
70301000	WORKZONE PAVEMENT MARKING REMOVAL	SQ. FT	2252		2252
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1200		1200
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1125		1125
78001110	PAINT PAVEMENT MARKING LINE - 4"	FOOT	11,803		11,803
78001180	PAINT PAVEMENT MARKING LINE - 24"	FOOT	146		146
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	13		13
78200410	GUARDRAIL MARKERS, TYPE A	EACH	47		47

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		X020-2A
				80% FED STATE	20% STATE	
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	6	6		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	808	808		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	13	13		
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	40			40
⊗ Z0005300	BOX CULVERTS TO BE CLEANED	EACH	1	1		
Z0010555	DITCH CLEANING	FOOT	2640	2640		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NONREDIRECTIVE), TEST LEVEL 3	EACH	2	2		
Z0030350	IMPACT ATTENUATORS, RELOCATE (NONREDIRECTIVE), TEST LEVEL 3	EACH	2	2		
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	55	55		
X0712400	TEMPORARY PAVEMENT	SQ YD	709	709		
X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	709	709		
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1			1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1			1

* SPECIALITY ITEM
 ⊗ NP 100% STATE

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
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FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64C25				

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The final top 100 mm (six inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

It is estimated that 2,222 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 2A shall be used.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface & Level Binder (top lift)	Level Binder (bottom lift)	Top Shoulder	Bottom Shoulder
PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22
Design Air Voids	4.0 @ N50	4.0 @ N50	3.0 @ N50	2.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 9.5 or 12.5	BAM
Friction Aggregate	D	N/A	C	N/A
20 Year ESAL	1.6	1.6	N/A	N/A

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

To help avoid excess drop offs at the edge of pavement, the existing aggregate wedge or shoulder is to be pulled up and rolled to match the edge of pavement before placing any bituminous material. All costs associated with pulling up the shoulders shall be considered included in the contract unit price per TON for HOT-MIX ASPHALT SURFACE COURSE of the type specified.

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per metric ton (ton) for LEVELING BINDER (MACHINE METHOD) of the type specified.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The contractor shall submit four copies of the required shop drawings for review and approval to the Bureau of Bridges and Structures, 2300 South Dirksen Parkway, Springfield, IL 62764. After approval of initial submittal, the contractor shall submit one set of shop drawings to Dave Lippert, Engineer of Materials, 126 East Ash Street, Springfield, IL 62706, and eight (8) sets of shop drawings to be distributed to:

- District 2 District Engineer (1)
- Fabricator (1)
- Contractor (2)
- Resident Engineer (2)
- District 2 Bureau of Materials (2)

The review and approval of temporary sheet piling will require 4 to 6 weeks. The Contractor shall schedule his work accordingly.

Reflector Markers Type B shall be installed on the top of bridge parapet walls. The markers shall be according to Standard 635011 and the color and spacing according to Standard 635006, except the minimum is 2 per side.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

The Contractor shall clean out all AR culverts and stream flows to the right-of-way lines on the entire section. The cost shall be included in the contract unit price for BOX CULVERTS TO BE CLEANED.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

The excavated materials from earth excavation widening, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.

Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for Earth Excavation.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

GENERAL NOTES

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Contract #64C25				

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on Highway Standard 667101.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick in a 5 foot diameter around the tree. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

Predator Protection: Within seven days after planting, the trees shall be wrapped from the ground line to a height of three feet with a one-half inch square mesh, galvanized, steel wire with a minimum gauge of 19 (hardware cloth) at a diameter of 14 inches, measured from the center of the trunk with a four inch overlap. The screen wire shall be secured with a minimum of four steel staples (hog rings).

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Mediacom
Jo-Carroll Energy
US Sprint

Commonwealth Edison Co.
Frontier/Citizens

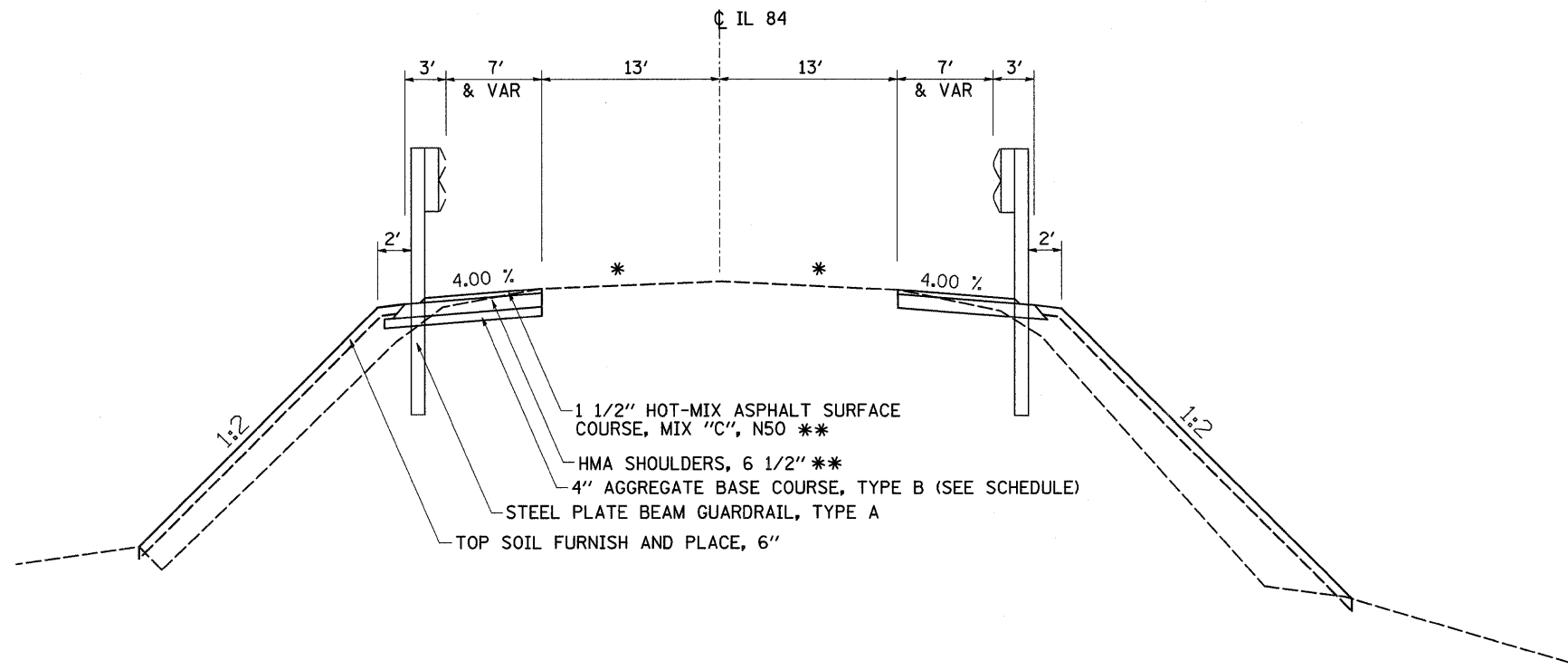
CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

The new number for the structure at Sta. 344+76 will be 098-0114.

Program #5
(Arch. Size)
Enlarge
200%
Enlarge 107%

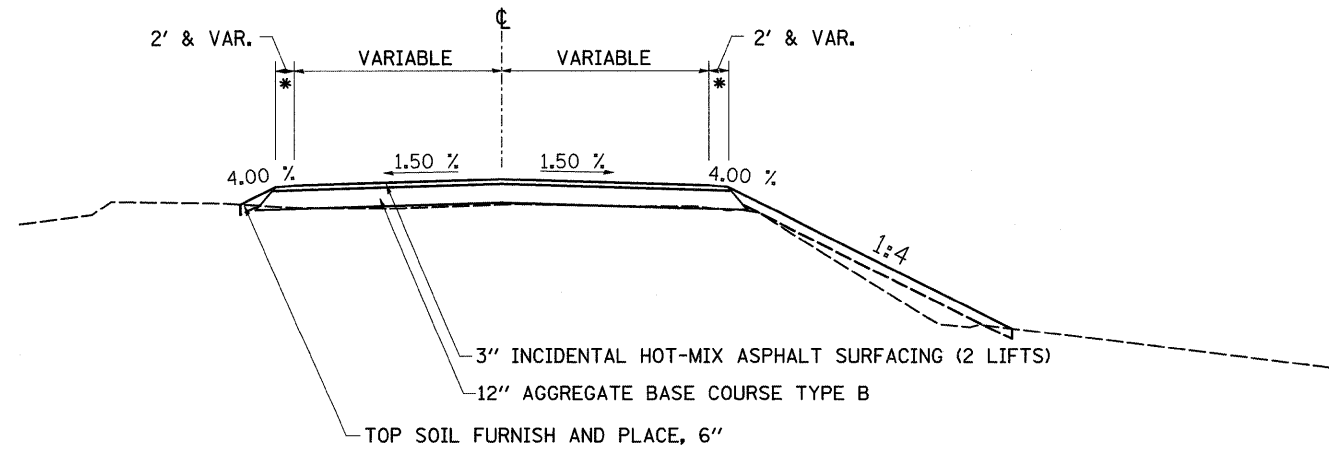
TYPICAL SECTIONS

STA. 348+55 - STA. 360+70

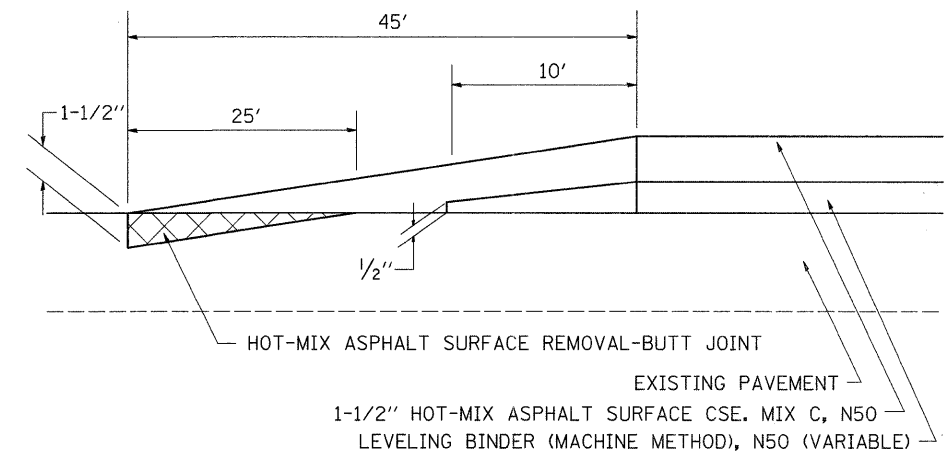


* MATCH EXISTING MAINLINE SLOPE
** 112 LB/SQ YD IN

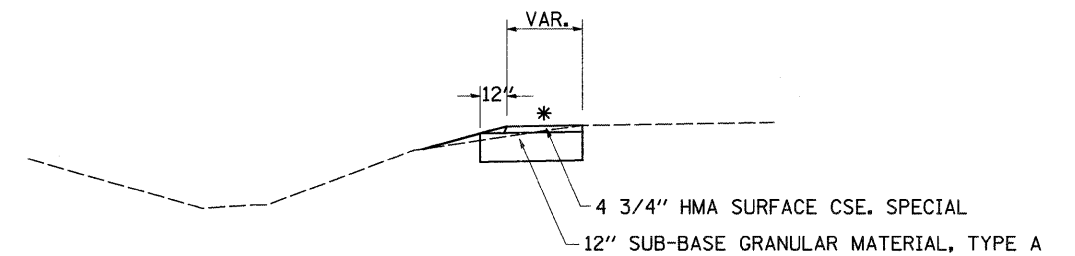
EAST EBSON RD
WEST EBSON RD



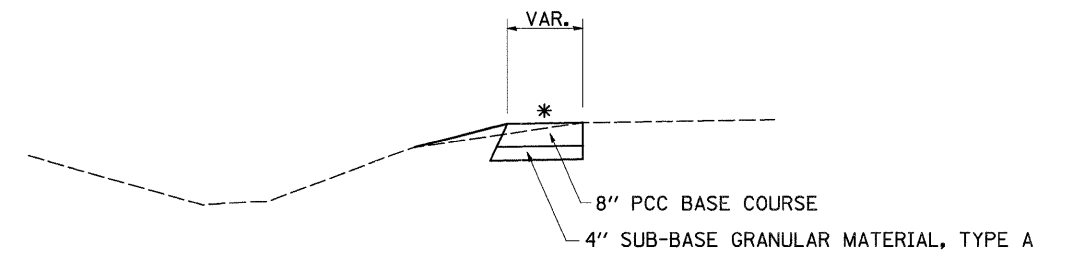
HMA SURFACE REMOVAL-BUTT JOINT TYPICAL
STA 338+55 TO STA 339+00
STA 348+55 TO STA 349+00



TEMPORARY PAVEMENT (ASPHALT OPTION)
IL 84



TEMPORARY PAVEMENT (PCC OPTION)
IL 84

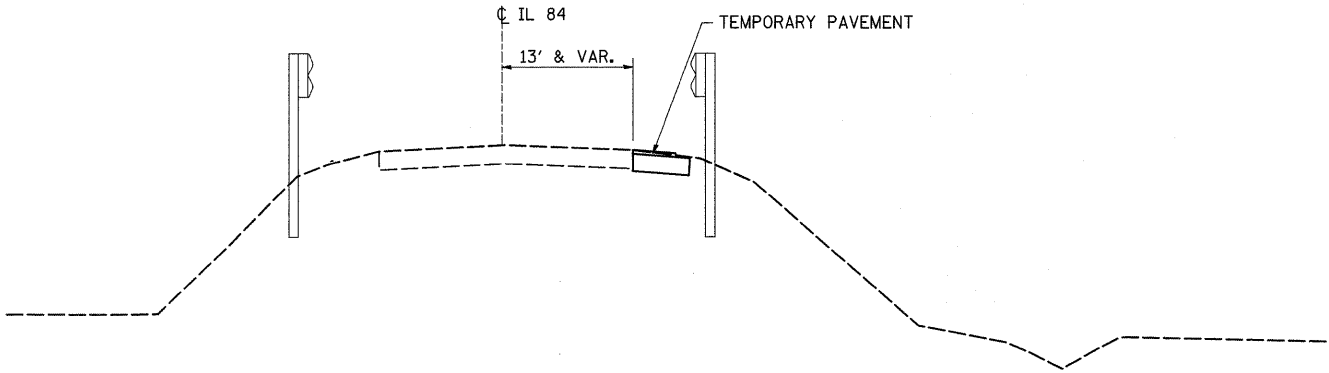


FILE NAME = c:\projects\p206206\d06006typ.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					308	109BR-5	WHITESIDE	83	8
		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64C25				
		DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							

STAGING TYPICAL SECTIONS

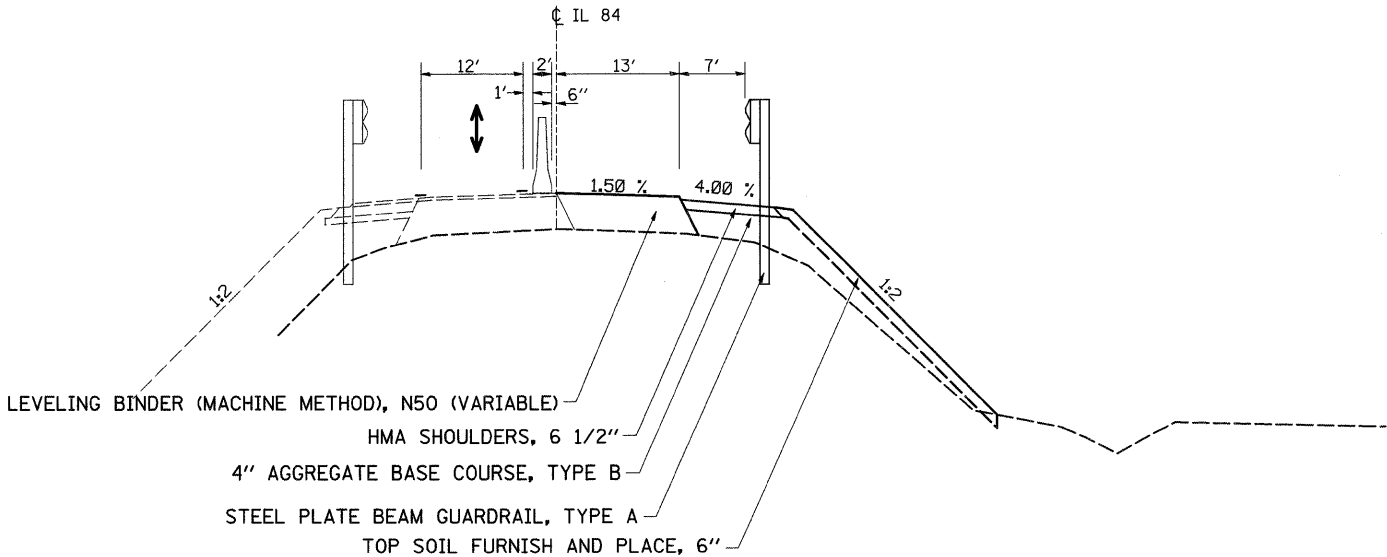
STAGE 1

STA. 341+78.90 - STA. 344+50.71
 STA. 345+70.00 - STA. 349+89.94



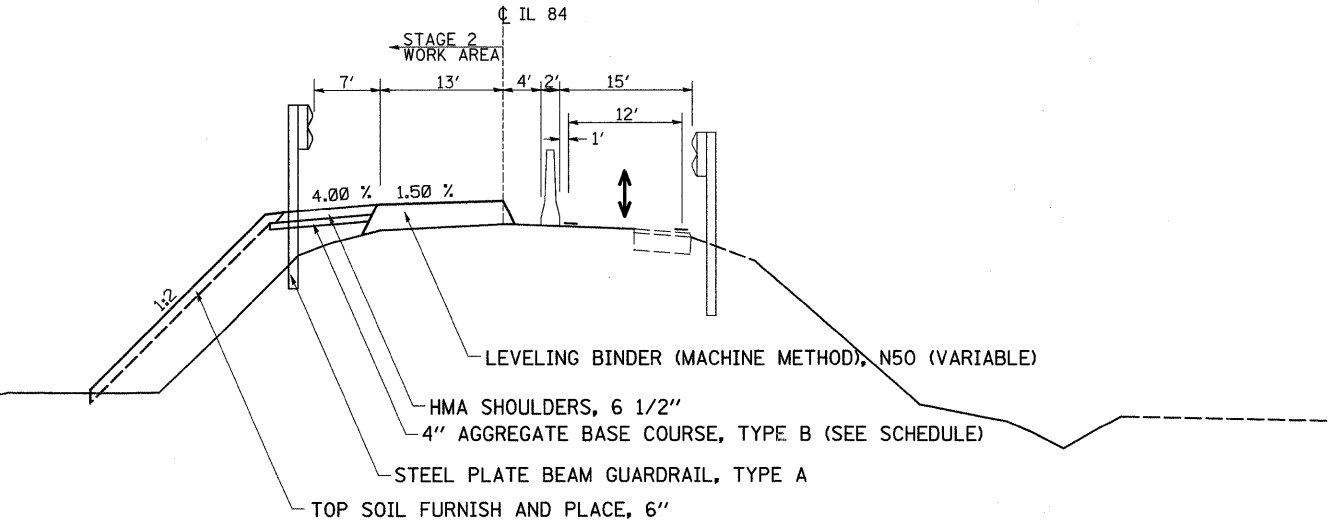
STAGE 3

STA. 342+95 - STA. 343+95
 STA. 345+58.61 - STA. 348+55



STAGE 2

STA. 342+95 - STA. 343+95
 STA. 345+58.61 - STA. 348+55



FILE NAME = c:\projects\p206006\j06006.tpd.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 9
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64C25				
	PLOT DATE = Thu Jul 31 09:19:32 2008	DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

20101000 TEMPORARY FENCE

FOOT	LOCATION	REMARKS
295 RT	342+ 28 TO 344+	94 Provide protection of Wetlands
479 RT	345+ 30 TO 349+	95 Provide protection of Wetlands
373 LT	340+ 95 TO 344+	34 Provide protection of Wetlands
615 LT	344+ 85 TO 350+	72 Provide protection of Wetlands
371 LT	351+ 47 TO 354+	85 Provide protection of Wetlands
173 LT	355+ 8 TO 356+	68 Provide protection of Wetlands
2306	TOTAL	

20100500 TREE REMOVAL, ACRES

ACRES	LOCATION	REMARKS
0.55	LT/RT 339+ 10 TO 359+	8
0.55	TOTAL	

25100630 EROSION CONTROL BLANKET

SQ_YD	LOCATION	REMARKS
817.8	LT. STA. 341+ 0 TO 344+	0
407.4	RT. STA. 342+ 0 TO 344+	0
3225.7	LT. STA. 345+ 50 TO 360+	70
3455.3	RT. STA. 345+ 50 TO 360+	70
7906.2	TOTAL	

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION	REMARKS
91	LT. STA. 339+ 0 TO 1202+	43 SW Quad (W. Ebson Rd.)
343	RT. STA. 339+ 0 TO 1001+	77 SE Quad (E. Ebson Rd.)
410	LT. STA. 1202+ 43 TO 343+	97 NW Quad (W. Ebson Rd.)
250	RT. STA. 1001+ 26 TO 344+	32 NE Quad (E. Ebson Rd.)
1556	LT. STA. 345+ 23 TO 360+	71 Along IL 84
1525	RT. STA. 345+ 63 TO 360+	71 Along IL 84
4175	TOTAL	

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	REMARKS
1	RT. STA. 1000+ 75	E. Ebson Rd.
1	TOTAL	

28100107 STONE RIPRAP, CLASS A4

SQ_YD	LOCATION	REMARKS
27.8	LT. STA. 1000+ 75	E. Ebson Rd.
27.8	TOTAL	

28200200 FILTER FABRIC

SQ_YD	LOCATION	REMARKS
27.8	LT. STA. 1000+ 75	E. Ebson Rd.
27.8	TOTAL	

42001165 BRIDGE APPROACH PAVEMENT

SQ_YD	LOCATION	REMARKS
144	343+ 95 TO 344+	25
144	345+ 29 TO 345+	59
288	TOTAL	

42001430 BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

SQ_YD	LOCATION	REMARKS
29	343+ 89 TO 343+	95
29	345+ 59 TO 345+	65
58	TOTAL	

54208665 PIPE CULVERTS, TYPE 2, CORRUGATED STEEL, EQUIVALENT ROUND SIZE 60"

FOOT	LOCATION	REMARKS
84	1000+ 75	E. Ebson Rd.
84	TOTAL	

54215805 METAL END SECTIONS, EQUIVALENT ROUND-SIZE 60"

EACH	LOCATION	REMARKS
2	LT/RT 1000+ 75	E. Ebson Rd.
2	TOTAL	

63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A

FOOT	LOCATION	REMARKS
262.5	LT. STA. 341+ 8 TO 343+	70
162.5	RT. STA. 342+ 31 TO 343+	93
1337.5	LT. STA. 345+ 60 TO 358+	98
1337.5	RT. STA. 345+ 83 TO 359+	21
3100	TOTAL	

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6

EACH	LOCATION	REMARKS
1	LT. STA. 343+ 70 TO 344+	14 SW Corner Departing
1	RT. STA. 343+ 93 TO 344+	37 SE Corner Approach
1	LT. STA. 345+ 16 TO 345+	60 NW Corner Approach
1	RT. STA. 345+ 40 TO 345+	83 NE Corner Departing
4	TOTAL	

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

EACH	LOCATION	REMARKS
1	LT. STA. 340+ 58 TO 341+	8
1	RT. STA. 341+ 81 TO 342+	31
1	LT. STA. 358+ 98 TO 359+	48
1	RT. STA. 359+ 21 TO 359+	71
4	TOTAL	

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION	REMARKS
264	LT. STA. 341+ 60 TO 344+	24
126	LT. STA. 343+ 25 TO 344+	52
1501	RT. STA. 345+ 2 TO 360+	3
1449	LT. STA. 345+ 31 TO 359+	80
3340	TOTAL	

63500105 DELINEATORS

EACH	LOCATION	REMARKS
2	LT/RT 1000+ 75	AR Culvert 76" x 48" CMP Elliptical Pipe (60" EQRS)
1	LT. STA. 340+ 58	At End of Type 1 (Special) Tangent
1	RT. STA. 341+ 81	At End of Type 1 (Special) Tangent
1	LT. STA. 359+ 48	At End of Type 1 (Special) Tangent
1	RT. STA. 359+ 71	At End of Type 1 (Special) Tangent
6	TOTAL	

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 CHECKED -
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REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C25	

SCHEDULE OF QUANTITIES

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS

EACH	LOCATION	REMARKS
1	337 + 97.83 @ 47' RT.	
1	339 + 0.00 @ 55' RT.	
1	339 + 50.00 @ 40' LT.	
1	340 + 0.00 @ 90' LT.	
1	340 + 0.00 @ 60' RT.	
1	340 + 50.00 @ 65' RT.	
1	341 + 0.00 @ 60' LT.	
1	342 + 50.00 @ 60' RT.	
1	343 + 0.00 @ 60' LT.	
1	343 + 75.00 @ 75' LT.	
1	345 + 0.00 @ 75' LT.	
1	345 + 50.00 @ 60' LT.	
1	347 + 79.89 @ 60' RT.	
1	348 + 0.00 @ 60' RT.	
1	349 + 0.00 @ 55' RT.	
1	350 + 0.00 @ 60' LT.	
1	351 + 0.00 @ 55' LT.	
1	356 + 0.00 @ 55' LT.	
1	358 + 50.00 @ 50' LT.	
1	359 + 0.00 @ 40' LT.	
1	359 + 50.00 @ 55' RT.	
1	1116 + 0.00 @ 20' LT.	Holly Rd.
1	1001 + 0.00 @ 50' RT.	E. Ebson Rd.
1	1001 + 50.00 @ 19.56' LT.	E. Ebson Rd.
1	1001 + 50.00 @ 20.44' RT.	E. Ebson Rd.
<hr/>		
25	TOTAL	

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION	REMARKS
2	LT/RT 344 + 58	Structure No. 098-0114
<hr/>		
2	TOTAL	

70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS

EACH	LOCATION	REMARKS
1	RT/LT 336 + 69 TO 351 + 83	Stage 2 & Stage 3
<hr/>		
1	TOTAL	

70300100 SHORT TERM PAVEMENT MARKING

FOOT	LOCATION	REMARKS
493	336 + 34 TO 361 + 0	
<hr/>		
493	TOTAL	

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	REMARKS
STAGE 2		
568	LT/RT 336 + 34 TO 342 + 0	Lt. Edge Line
600	RT 342 + 0 TO 348 + 0	Lt. Edge Line
372	RT/LT 348 + 0 TO 351 + 83	Lt. Edge Line
568	RT 336 + 34 TO 342 + 0	Rt. Edge Line
600	RT 342 + 0 TO 348 + 0	Rt. Edge Line
372	RT 348 + 0 TO 351 + 83	Rt. Edge Line
STAGE 3		
568	RT/LT 336 + 34 TO 342 + 0	Rt. Edge Line
600	LT 342 + 0 TO 348 + 0	Rt. Edge Line
384	LT/RT 348 + 0 TO 351 + 83	Rt. Edge Line
568	LT 336 + 34 TO 342 + 0	Lt. Edge Line
600	LT 342 + 0 TO 348 + 0	Lt. Edge Line
384	LT 348 + 0 TO 351 + 83	Lt. Edge Line
<hr/>		
6184	TOTAL	

70300280 TEMPORARY PAVEMENT MARKING - LINE 24"

FOOT	LOCATION	REMARKS
STAGE 2 & STAGE 3		
12	RT. STA. 336 + 44	
12	LT. STA. 351 + 83	
32	LT. STA. 1000 + 28	E Ebson Rd. stage 2
20	LT. STA. 1203 + 0	W Ebson Rd. stage 3
<hr/>		
76	TOTAL	

70301000 WORKZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION	REMARKS
STAGE 2		
189.3	LT/RT 336 + 34 TO 342 + 0	Lt. Edge Line
200.0	RT 342 + 0 TO 348 + 0	Lt. Edge Line
124.0	RT/LT 348 + 0 TO 351 + 83	Lt. Edge Line
189.3	RT 336 + 34 TO 342 + 0	Rt. Edge Line
200.0	RT 342 + 0 TO 348 + 0	Rt. Edge Line
128.0	RT 348 + 0 TO 351 + 83	Rt. Edge Line
STAGE 3		
189.3	RT/LT 336 + 34 TO 342 + 0	Rt. Edge Line
200.0	LT 342 + 0 TO 348 + 0	Rt. Edge Line
128.0	LT/RT 348 + 0 TO 351 + 83	Rt. Edge Line
189.3	LT 336 + 34 TO 342 + 0	Lt. Edge Line
200.0	LT 342 + 0 TO 348 + 0	Lt. Edge Line
128.0	LT 348 + 0 TO 351 + 83	Lt. Edge Line
64.0	RT. STA. 1000 28	Stop Bar E. Ebson Rd.
40.0	RT. STA. 1203 0	Stop Bar W. Ebson Rd.
STAGE 4		
82.2	336 + 34 TO 361 + 0	Removal of Short Term Skips on Final Surface
<hr/>		
2251.5	TOTAL	

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION	REMARKS
125	338 + 3 TO 339 + 27	Taper Section - Stage 2
950	339 + 27 TO 348 + 77	Tangent Section - Stage 2
125	348 + 77 TO 350 + 2	Taper Section - Stage 2
<hr/>		
1200	TOTAL	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT	LOCATION	REMARKS
87.5	338 + 40 TO 339 + 27	27
950	339 + 27 TO 348 + 77	77
87.5	348 + 77 TO 349 + 65	65
<hr/>		
1125	TOTAL	

78001110 PAINT PAVEMENT MARKING LINE - 4"

FOOT	LOCATION	REMARKS
WHITE		
695	RT. STA. 336 + 44 TO 1001 + 95	Edge Line around SE Quad of E. Ebson Rd.
376	LT. STA. 336 + 44 TO 1202 + 46	Edge Line around SW Quad of W. Ebson Rd.
136	LT. STA. 1202 + 46 TO 341 + 2	Edge Line around NW Quad of W. Ebson Rd.
182	RT. STA. 1001 + 95 TO 341 + 99	Edge Line around NE Quad of E. Ebson Rd.
1998	LT. STA. 341 + 2 TO 361 + 0	
1901	RT. STA. 341 + 99 TO 361 + 0	
YELLOW		
614	CL 336 + 44 TO 361 + 0	Skip Dashes
<hr/>		
11803	TOTAL (2 Applications)	

78001180 PAINT PAVEMENT MARKING LINE - 24"

FOOT	LOCATION	REMARKS
37	RT. STA. 1203 + 0	W. Ebson Rd. - Stop Bar
36	LT. STA. 1000 + 28	E. Ebson Rd. - Stop Bar
<hr/>		
146	TOTAL (2 Applications)	

78100100 RAISED REFLECTIVE PAVEMENT MARKERS

EACH	LOCATION	REMARKS
13	CL 339 + 0 TO 348 + 55	
<hr/>		
13	TOTAL	

SCHEDULE OF QUANTITIES

78200410 GUARDRAIL MARKERS, TYPE A						
EACH	LOCATION		REMARKS			
5	LT. STA.	341+	8 TO	344+	14	@ 80' spacing
19	LT. STA.	345+	16 TO	358+	98	@ 80' spacing
4	RT. STA.	342+	31 TO	344+	37	@ 80' spacing
19	RT. STA.	345+	40 TO	359+	21	@ 80' spacing
<hr/>						
47	TOTAL					

78200520 BARRIER WALL MARKERS, TYPE B						
EACH	LOCATION		REMARKS			
6		344+	76	3 on each parapet wall		
<hr/>						
6	TOTAL					

78201000 TERMINAL MARKERS (DIRECT APPLIED)						
EACH	LOCATION		REMARKS			
1	LT. STA.	340+	58			
1	RT. STA.	341+	81			
1	LT. STA.	359+	48			
1	RT. STA.	359+	71			
<hr/>						
4	TOTAL					

78300100 PAVEMENT MARKING REMOVAL						
SQ. FT.	LOCATION		REMARKS			
STAGE 2						
26.3	CL	336+	34 TO	339+	50	Skips - Stage 2
394.8	RT. STA.	338+	7 TO	349+	92	Edge Line - Stage 2
17.4	CL	349+	50 TO	351+	59	Skips - Stage 2
STAGE 3						
369.3		338+	55 TO	349+	63	Edge Line - Stage 3
<hr/>						
807.9	TOTAL					

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL						
EACH	LOCATION		REMARKS			
13	CL	339+	0 TO	348+	55	
<hr/>						
13	TOTAL					

Z0005300 BOX CULVERTS TO BE CLEANED						
EACH	LOCATION		REMARKS			
1	LYRT	338+	45	Existing 4' x 2' box culvert		
<hr/>						
1	TOTAL					

Z0010555 DITCH CLEANING						
FOOT	LOCATION		REMARKS			
1320.0	LT. STA.	325+	80 TO	339+	0	
1320.0	RT. STA.	325+	80 TO	339+	0	
<hr/>						
2640.0	TOTAL					

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3						
EACH	LOCATION		REMARKS			
1	LT. STA.	338+	3	Stage 2		
1	LT. STA.	350+	2	Stage 2		
<hr/>						
2	TOTAL					

Z0030335 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3						
EACH	LOCATION		REMARKS			
1	RT. STA.	338+	40	Stage 3		
1	RT. STA.	349+	65	Stage 3		
<hr/>						
2	TOTAL					

BITUMINOUS SCHEDULE

BITUMINOUS SCHEDULE

Location	Remarks	Length	Proposed Surface		Cross-sectional Area Var. Depth Level Binder	Bituminous Materials Prime Coat	Aggregate Prime Coat	Leveling Binder Machine Method .N50	HMA Surface Removal - Butt Joint	Hot-Mix Asphalt Surface Cse, Mix "C", N50	Hot-Mix Asphalt Surface, Cse Mix "D", N50	Incidental Hot-Mix Asphalt Surfacing	Hot-Mix Asphalt Shoulders, 6.5"	Aggregate Base Course, Type B	Aggregate shoulders, Type B	Temporary Pavement	Temporary Pavement Removal	Temporary Ramp															
			Ft	Width															Sq Yd	Sq Ft	Ton	Ton	Ton	(Sq Yd)	Ton	Ton	Ton	Sq Yd	Ton	Ton	Sq Yd	Sq Yd	Sq Yd
IL 84 (Cattail Creek)																																	
Lt & Rt Sta 339+ 55- 339+ 0	Butt Joint	45	26	130.00		0.04	0.39	1.01	72.2		9.71																						
Lt & Rt Sta 339+ 0- 339+ 50	Main Line	50	26	144.44	1.24	0.17	0.43	4.61			12.13																						
Lt & Rt Sta 339+ 50- 340+ 0	Main Line	50	26	144.44	1.84	0.17	0.43	6.85			12.13																						
Lt & Rt Sta 340+ 0- 340+ 50	Main Line	50	26	144.44	5.54	0.17	0.43	20.66			12.13																						
Lt & Rt Sta 340+ 50- 341+ 0	Main Line	50	26	144.44	11.92	0.17	0.43	44.50			12.13																						
Lt & Rt Sta 341+ 0- 341+ 50	Main Line	50	26	144.44	18.91	0.17	0.43	70.58			12.13																						
Lt & Rt Sta 341+ 50- 342+ 0	Main Line	50	26	144.44	31.52	0.17	0.43	117.66			12.13																						
Lt & Rt Sta 342+ 0- 342+ 50	Main Line	50	26	144.44	43.94	0.17	0.43	164.04			12.13																						
Lt & Rt Sta 342+ 50- 343+ 0	Main Line	50	26	144.44	50.90	0.17	0.43	190.03			12.13																						
Lt & Rt Sta 343+ 0- 343+ 50	Main Line	50	26	144.44	52.23	0.08	0.43	194.99			12.13																						
Lt & Rt Sta 343+ 50- 344+ 0	Main Line	50	26	144.44	47.30	0.08	0.43	176.57			12.13																						
Lt & Rt Sta 343+ 95- 345+ 59	Bridge Omission	164																															
Lt & Rt Sta 345+ 50- 346+ 0	Main Line	50	26	144.44	24.88	0.08	0.43	92.89			12.13																						
Lt & Rt Sta 346+ 0- 346+ 50	Main Line	50	26	144.44	17.81	0.08	0.43	66.47			12.13																						
Lt & Rt Sta 346+ 50- 347+ 0	Main Line	50	26	144.44	10.59	0.08	0.43	39.54			12.13																						
Lt & Rt Sta 347+ 0- 347+ 50	Main Line	50	26	144.44	5.75	0.08	0.43	21.45			12.13																						
Lt & Rt Sta 347+ 50- 348+ 0	Main Line	50	26	144.44	3.26	0.08	0.43	12.17			12.13																						
Lt & Rt Sta 348+ 0- 348+ 55	Main Line	55	26	158.89		0.09	0.48				13.35																						
Lt & Rt Sta 348+ 55- 349+ 0	Butt Joint	45	26	130.00		0.04	0.39	1.01	72.2		9.71																						
STAGING QUANT.																																	
Rt Sta 337+ 97- 340+ 85	Main Line - Stage 1	288	5.55	177.82													178	178															
Rt Sta 341+ 77- 344+ 51	Main Line - Stage 1	274	5.5	167.40													167	167															
Rt Sta 345+ 27- 350+ 2	Main Line - Stage 1	475	5.5	289.97													290	290															
Lt Sta 338+ 45- 339+ 54	Main Line - Stage 2	109	3	36.17													36	36															
Lt Sta 348+ 60- 349+ 73	Main Line - Stage 2	113	3	37.80													38	38															
Lt Sta 343+ 90- 343+ 95	Temp. Ramp - Stage 2	5	23	12.78																													
Lt & Rt Sta 345+ 59- 345+ 64	Temp. Ramp - Stage 2	5	23	12.78																													
Lt & Rt Sta 348+ 55- 348+ 60	Temp. Ramp - Stage 2	5	20	11.11																													
Lt & Rt Sta 343+ 90- 343+ 95	Temp. Ramp - Stage 3	5	23	12.78																													
Lt & Rt Sta 345+ 59- 345+ 64	Temp. Ramp - Stage 3	5	23	12.78																													
Lt & Rt Sta 348+ 55- 348+ 60	Temp. Ramp - Stage 3	5	20	11.11																													
SIDE ROAD'S																																	
E. Ebson Rd. 1000+ 13- 1001+ 95	Main Line	181.89	VAR	708		0.41						138.9		484																			
W. Ebson Rd. 1202+ 55- 1203+ 17	Main Line	61.63	VAR	322		0.55						63.0		220																			
SHOULDER'S																																	
Rt. Sta 339+ 0- 340+ 78	Aggregate - Mainline	178	5	99													68																
Lt. Sta 339+ 0- 339+ 69	Aggregate - Mainline	69	5	38													26																
Rt. Sta 339+ 0- 340+ 53	Bitumin. - Main Line	153.00	2	34		0.02	0.10			2.9		34																					
Lt. Sta 339+ 0- 339+ 54	Bitumin. - Main Line	53.50	2	12		0.01	0.04			1.0		12																					
Lt. Sta 340 43 343 87	Bitumin. - Main Line	244.71	VAR	311			0.93					311	71																				
Rt. Sta 341+ 74- 344+ 8	Bitumin. - Main Line	234.00	VAR	465		0.27	1.40				39.1	465																					
Lt. Sta 1000 41 1001 95	Bitumin. - E. Ebson Rd.	146	2	32								6.4																					
Rt. Sta 340 53 1001 95	Bitumin. - E. Ebson Rd.	240	2	53								10.5																					
Rt. Sta 339 54 1202 46	Bitumin. - W. Ebson Rd.	64	2	14								2.8																					
Rt. Sta 1202+ 46- 1203+ 10	Bitumin. - W. Ebson Rd.	71	2	16		0.01				1.3		3.1																					
Lt. Sta 345+ 45- 359+ 60	Bitumin. - Main Line	1415	10	1572		0.90	4.72			132.1		1572.2																					
Lt. Sta 345+ 45- 348+ 60	Bitumin. - Main Line	315	10	350		0.20	1.05			29.4		350.0		89																			
Lt. Sta 359+ 60- 360+ 70	Bitumin. - Main Line	110	VAR	81		0.05	0.24			6.8		81.2																					
Rt. Sta 345+ 66- 359+ 85	Bitumin. - Main Line	1419	10	1577		0.90	4.73			132.4		1576.7																					
Rt. Sta 359+ 85- 360+ 70	Bitumin. - Main Line	85	VAR	62		0.04	0.19			5.2		61.8																					
Subtotal																																	
TOTALS																																	
						5.41	21.15	1.224	144.4	350	205	225	4,464	864	94	709	709	73															

EARTHWORK SCHEDULE

	LOCATION	20200100	EARTHWORK			20400800	25000210	25100105	28000250	21101625
		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	FURNISHED EXCAVATION	SEEDING CLASS 2A	MULCH, METHOD 1	TEMPORARY EROSION CONTROL SEEDING	TOPSOIL FURNISH & PLACE, 6"
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(ACRE)	(ACRE)	(POUND)	(SQ YD)
Mainline (IL 84)										
	339 + 00 TO 343 + 00	174.7	131.0	711.8	-580.8	580.8	0.39	0.23	157.7	1975.2
	343 + 00 TO 349 + 00	98.3	73.7	1004.8	-931.1	931.1	0.54		215.9	2612.9
	349 + 00 TO 355 + 00	332.0	249.0	661.5	-412.5	412.5	0.56		222.7	2694.9
	355 + 00 TO 360 + 70	290.7	218.0	369.5	-151.5	151.5	0.41	0.07	165.2	1999.3
W. Ebson Rd.	1202 + 46.02 TO 1203 + 00	53.9	40.4	3.8	36.6	36.6	0.02	0.02	7.1	86.4
E. Ebson Rd.	1000 + 50 TO 1001 + 95	85.8	64.4	246.6	-182.3	182.3	0.09	0.09	36.6	442.7
	TOTALS	1035.4	776.6	2998.0	-2221.5	2221.5	2.01	0.40	805.4	9811.4

HORIZONTAL & VERTICAL CONTROL



Chain IL84 contains:
24 CUR 200 CUR 210 CUR 220 4070

Beginning chain IL84 description
Feature:

Point 24 N 1,866,836.4120 E 2,284,042.1130 Sta 128+29.0967
Course from 24 to PC 200 72° 05' 55.6500" Dist 3,706.2501'

Curve Data

Curve 200
Feature:
P.I. Station 167+95.4916 N 1,868,055.5893 E 2,287,816.4865
Delta = 10° 47' 18.2719" (LT)
Degree = 2° 04' 46.8731"
Tangent = 260.1448'
Length = 518.7516'
Radius = 2,755.0194'
External = 12.2549'
Long Chord = 517.9856'
Mid. Ord. = 12.2007'
P.C. Station 165+35.3468 N 1,867,975.6269 E 2,287,568.9358
P.T. Station 170+54.0983 N 1,868,180.4756 E 2,288,044.6942
C.C. N 1,870,597.2700 E 2,286,722.1071

Course from PT 200 to PC 210 61° 18' 37.3781" Dist 7,502.7941'

Curve Data

Curve 210
Feature:
P.I. Station 261+34.6741 N 1,872,539.7381 E 2,296,010.4765
Delta = 44° 52' 18.5688" (LT)
Degree = 1° 29' 57.9272"
Tangent = 1,577.7817'
Length = 2,992.6037'
Radius = 3,821.1854'
External = 312.9231'
Long Chord = 2,916.7093'
Mid. Ord. = 289.2370'
P.C. Station 245+56.8924 N 1,871,782.3010 E 2,294,626.3941
P.T. Station 275+49.4962 N 1,874,053.0259 E 2,296,456.9681
C.C. N 1,875,134.3716 E 2,292,791.9784

Course from PT 210 to PC 220 16° 26' 18.8093" Dist 5,634.0577'

Curve Data

Curve 220
Feature:
P.I. Station 334+90.9894 N 1,879,751.6532 E 2,298,138.3334
Delta = 6° 11' 01.8291" (LT)
Degree = 1° 00' 24.0877"
Tangent = 307.4355'
Length = 614.2740'
Radius = 5,691.4959'
External = 8.2973'
Long Chord = 613.9759'
Mid. Ord. = 8.2852'
P.C. Station 331+83.5539 N 1,879,456.7845 E 2,298,051.3331
P.T. Station 337+97.8279 N 1,880,054.1777 E 2,298,193.0644
C.C. N 1,881,067.4037 E 2,292,592.4842

Course from PT 220 to 4070 10° 15' 16.9802" Dist 3,981.3878'

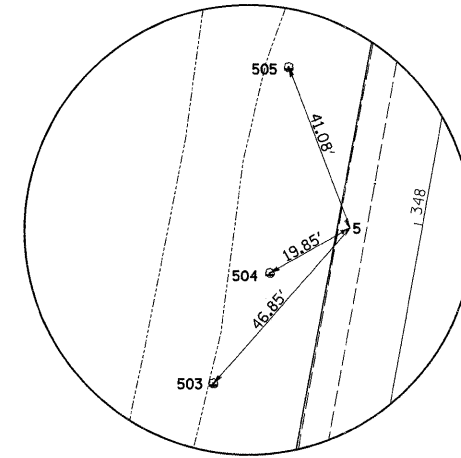
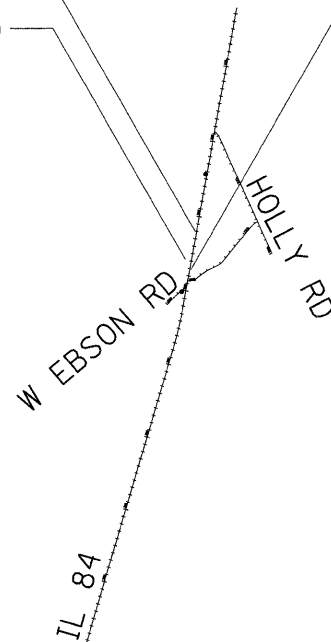
Point 4070 N 1,883,971.9670 E 2,298,901.8492 Sta 377+79.2157

Ending chain IL84 description

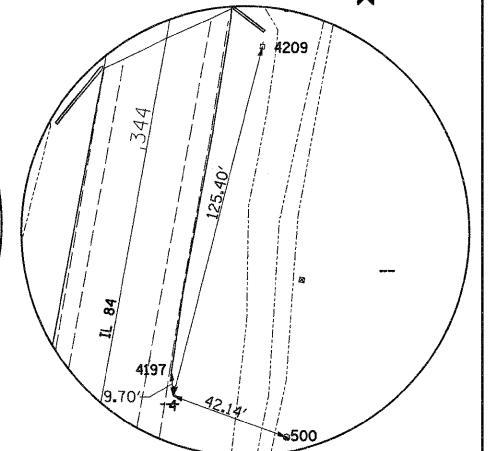
CONTROL POINT NO. 5

BENCHMARK # 400

CONTROL POINT NO. 4



HORIZONTAL CONTROL POINT NO. 5



HORIZONTAL CONTROL POINT NO. 4

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL84	200	200	201	202	203
IL84	210	210	211	212	213
IL84	220	220	221	222	223

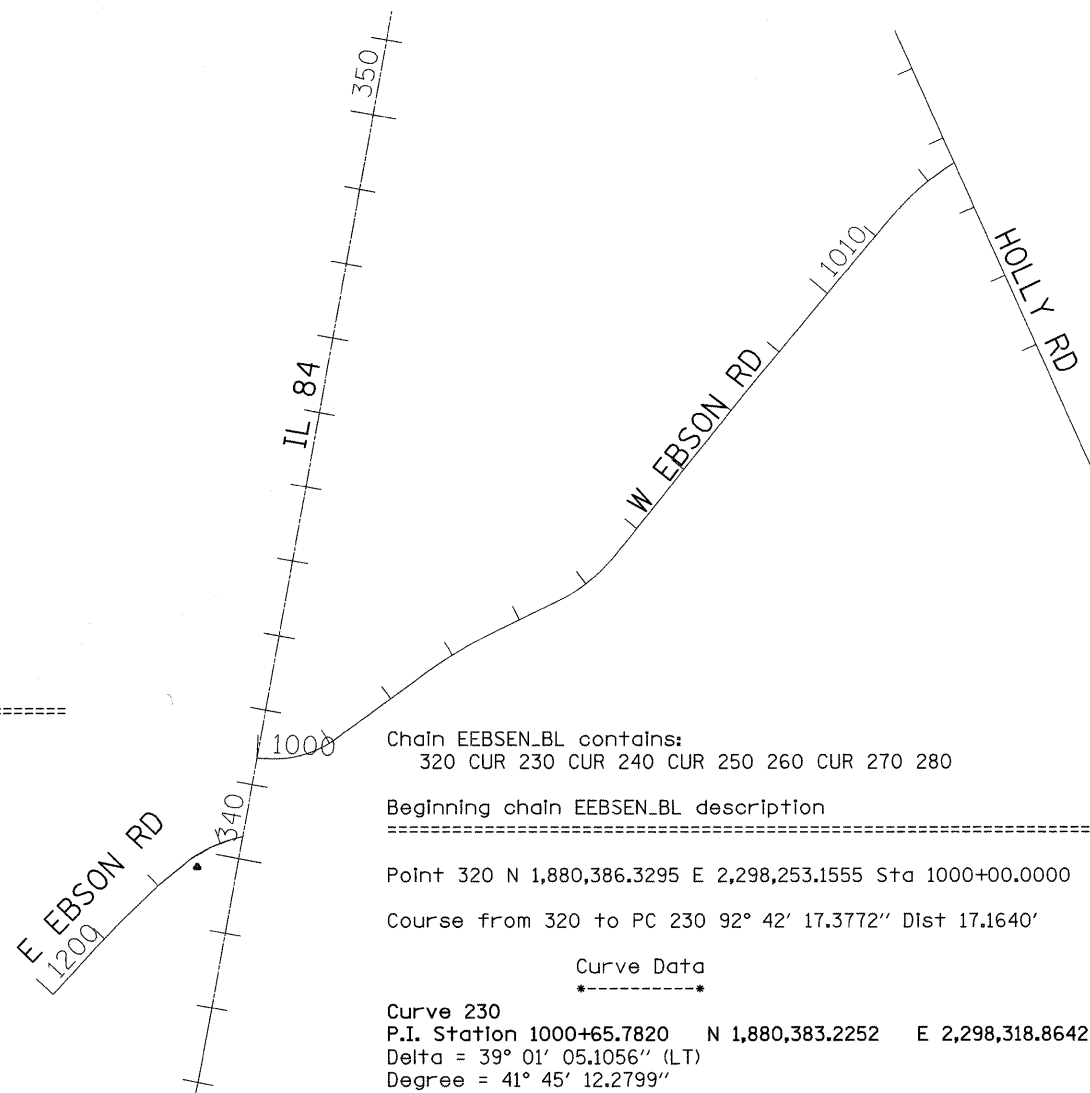
REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL84	343+11.3666	64.9979' RT	SHINER, TREE
503	IL84	347+54.5172	41.7664' LT	SHINER, TREE
504	IL84	347+82.5023	33.3149' LT	SHINER, TREE
505	IL84	348+30.5836	37.5504' LT	SHINER, TREE
4197	IL84	343+26.36	22.05' RT	STEEL PLATE BEAM GUARDRAIL
4209	IL84	344+41.74	32.96' RT	POWER POLE

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
4	1880560.6570	2298308.2720	587.6700	IL84	343+16.7265	28.3305' RT	PIN TOPO SURVEY POINT
5	1881038.2350	2298353.2300	587.5580	IL84	347+94.6793	17.7942' LT	PIN TOPO SURVEY POINT

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
6	1880940.1100	2298372.3160	587.7880	IL84	347+01.5195	28.2043' RT	NAIL TOPO SURVEY POINT
7	1800531.9110	2298261.2200	587.5790	IL84	342+80.0632	29.7641' LT	NAIL TOPO SURVEY POINT

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	1880674.4682	2298219.9551	586.4771	IL84	344+12.9971	83.9658' LT	**

HORIZONTAL CONTROL



Chain WEBSSEN.BL contains:
CUR 330 4811 4154 CUR 340

Beginning chain WEBSSEN.BL description

Curve Data

Curve 330
P.I. Station 1199+42.4811 N 1,880,033.5963 E 2,297,942.0958
Delta = 4° 56' 06.8256" (RT)
Degree = 1° 17' 33.3008"
Tangent = 191.0237'
Length = 381.8112'
Radius = 4,432.6558'
External = 4.1141'
Long Chord = 381.6932'
Mid. Ord. = 4.1103'
P.C. Station 1197+51.4574 N 1,879,885.0758 E 2,297,821.9637
P.T. Station 1201+33.2686 N 1,880,171.2313 E 2,298,074.5597
C.C. N 1,877,097.4414 E 2,301,268.3432

Course from PT 330 to 4811 46° 04' 07.0600" Dist 70.1149'
Point 4811 N 1,880,219.8767 E 2,298,125.0544 Sta 1202+03.3835
Course from 4811 to 4154 50° 44' 10.2320" Dist 49.9534'
Point 4154 N 1,880,251.4918 E 2,298,163.7303 Sta 1202+53.3369
Course from 4154 to PC 340 245° 26' 41.6959" Dist 0.0000'

Curve Data

Curve 340
P.I. Station 1202+92.6561 N 1,880,273.9439 E 2,298,196.0088
Delta = 22° 11' 57.6780" (RT)
Degree = 28° 35' 17.5406"
Tangent = 39.3192'
Length = 77.6521'
Radius = 200.4175'
External = 3.8205'
Long Chord = 77.1673'
Mid. Ord. = 3.7491'
P.C. Station 1202+53.3369 N 1,880,251.4918 E 2,298,163.7303
P.T. Station 1203+30.9890 N 1,880,282.5360 E 2,298,234.3777
C.C. N 1,880,086.9620 E 2,298,278.1731

Ending chain WEBSSEN.BL description

Chain EEBSEN.BL contains:
320 CUR 230 CUR 240 CUR 250 260 CUR 270 280

Beginning chain EEBSEN.BL description

Point 320 N 1,880,386.3295 E 2,298,253.1555 Sta 1000+00.0000
Course from 320 to PC 230 92° 42' 17.3772" Dist 17.1640'

Curve Data

Curve 230
P.I. Station 1000+65.7820 N 1,880,383.2252 E 2,298,318.8642
Delta = 39° 01' 05.1056" (LT)
Degree = 41° 45' 12.2799"
Tangent = 48.6180'
Length = 93.4489'
Radius = 137.2242'
External = 8.3581'
Long Chord = 91.6536'
Mid. Ord. = 7.8782'
P.C. Station 1000+17.1640 N 1,880,385.5195 E 2,298,270.3003
P.T. Station 1001+10.6128 N 1,880,412.0168 E 2,298,358.0401
C.C. N 1,880,522.5908 E 2,298,276.7760

Course from PT 230 to PC 240 53° 41' 12.2716" Dist 139.5578'

Curve Data

Curve 240
P.I. Station 1003+08.4614 N 1,880,529.1826 E 2,298,517.4648
Delta = 10° 25' 22.8490" (RT)
Degree = 8° 57' 54.9466"
Tangent = 58.2908'
Length = 116.2600'
Radius = 639.0864'
External = 2.6528'
Long Chord = 116.0997'
Mid. Ord. = 2.6419'
P.C. Station 1002+50.1706 N 1,880,494.6628 E 2,298,470.4946
P.T. Station 1003+66.4306 N 1,880,554.6352 E 2,298,569.9051
C.C. N 1,879,979.6925 E 2,298,848.9613

Course from PT 240 to PC 250 64° 06' 35.1206" Dist 90.9889'

Curve Data

Curve 250
P.I. Station 1005+07.4004 N 1,880,616.1895 E 2,298,696.7261
Delta = 25° 28' 50.3212" (LT)
Degree = 25° 55' 08.3879"
Tangent = 49.9809'
Length = 98.3088'
Radius = 221.0571'
External = 5.5799'
Long Chord = 97.5006'
Mid. Ord. = 5.4425'
P.C. Station 1004+57.4195 N 1,880,594.3654 E 2,298,651.7617
P.T. Station 1005+55.7283 N 1,880,655.2347 E 2,298,727.9280
C.C. N 1,880,793.2355 E 2,298,555.2374

Course from PT 250 to 260 38° 37' 44.7994" Dist 272.5720'
Point 260 N 1,880,868.1689 E 2,298,898.0883 Sta 1008+28.3003
Course from 260 to PC 270 39° 40' 45.4051" Dist 296.1311'

Curve Data

Curve 270
P.I. Station 1011+77.9407 N 1,881,137.2628 E 2,299,121.3300
Delta = 16° 28' 45.9761" (RT)
Degree = 15° 30' 20.5830"
Tangent = 53.5093'
Length = 106.2798'
Radius = 369.5139'
External = 3.8542'
Long Chord = 105.9138'
Mid. Ord. = 3.8144'
P.C. Station 1011+24.4314 N 1,881,096.0804 E 2,299,087.1649
P.T. Station 1012+30.7112 N 1,881,167.0618 E 2,299,165.7739
C.C. N 1,880,860.1497 E 2,299,371.5541

Course from PT 270 to 280 56° 09' 31.3812" Dist 11.6107'
Point 280 N 1,881,173.5277 E 2,299,175.4176 Sta 1012+42.3219

Ending chain EEBSEN.BL description

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HVC SHEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\projects\p206005\d0600shv.dgn		DRAWN -	REVISED -			308	109BR-5	WHITESIDE	83	16	
		CHECKED -	REVISED -			CONTRACT NO. 64C25					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

WILLIAM A. SNYDER &
JOYCE SNYDER

RICHARD A. GREEN, JR. &
JODY A. GREEN



* DITCH CLEANING FROM
STA. 325+80 - 339+00 RT/LT

PROPOSED 5' AGGREGATE SHOULDER
PROPOSED 2' HMA SHOULDER

IMPROVEMENT BEGINS
STA. 325+80

SECTION BEGINS
STA. 339+00

339+50.00
40.00 LT

340+00.00
90.00 LT

341+00.00
60.00 LT

343+00.00
60.00 LT

TEMPORARY FENCE

HMA SHOULDERS, 6 1/2"

STEEL PLATE BEAM GUARDRAIL, TYPE A
GUARDRAIL REMOVAL

50' TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

PROPOSED ROW

CONSTRUCTION LIMITS

EXISTING ROW

EXISTING ROW

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

IL 84

338

45' BUTT JOINT

339

340+00

341

342

IL 84

MATCHLINE STA. 343+00

EXISTING ROW

337+97.83
47.00 RT

EXIST. CURVE 230
PI STA. = 1000+65.78
 $\Delta = 39^\circ 01' 05''$ (LT)
 $D = 41^\circ 45' 12''$
 $R = 137.22'$
 $T = 48.62'$
 $L = 93.45'$
 $E = 8.36'$
 $e = \text{---}$
T.R. = ---
S.E. RUN = ---
P.C. STA. = 1000+17.16
P.T. STA. = 1001+10.61

WILLIAM M. ABBOTT &
BETTY B. ABBOTT

STA. 1000+75
REMOVE EXISTING 5'x3' ELLIPTICAL PIPE
84' PIPE CULVERTS, TYPE 2, CORRUGATED STEEL, EQRS 60"
38' RT - 46' LT
H 576.86 - 576.23
2 EA. METAL END SECTIONS, EQRS 60"
RIP-RAP CLASS A-4 10' x 25'

FENCE REMOVAL
STA. 338+00 TO STA. 1001+50
INCLUDED IN EARTH EXCAVATION

50' TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

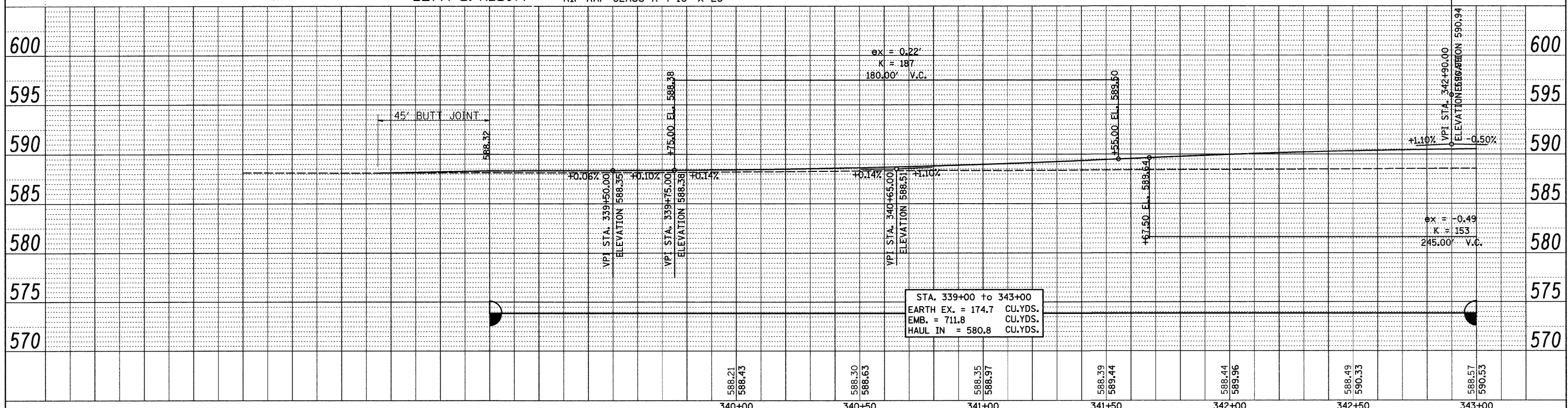
CONSTRUCTION LIMITS

341+74.10
30.67' RT

342+50.00
60.00 RT

LEGEND
TREE REMOVAL, ACRES

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



FILE NAME = c:\projects\p206005\d06006p1.rdg	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE	F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 17	
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64C25	
PLOT DATE = Thu Jul 31 09:38:27 2008	DATE -	REVISED -									

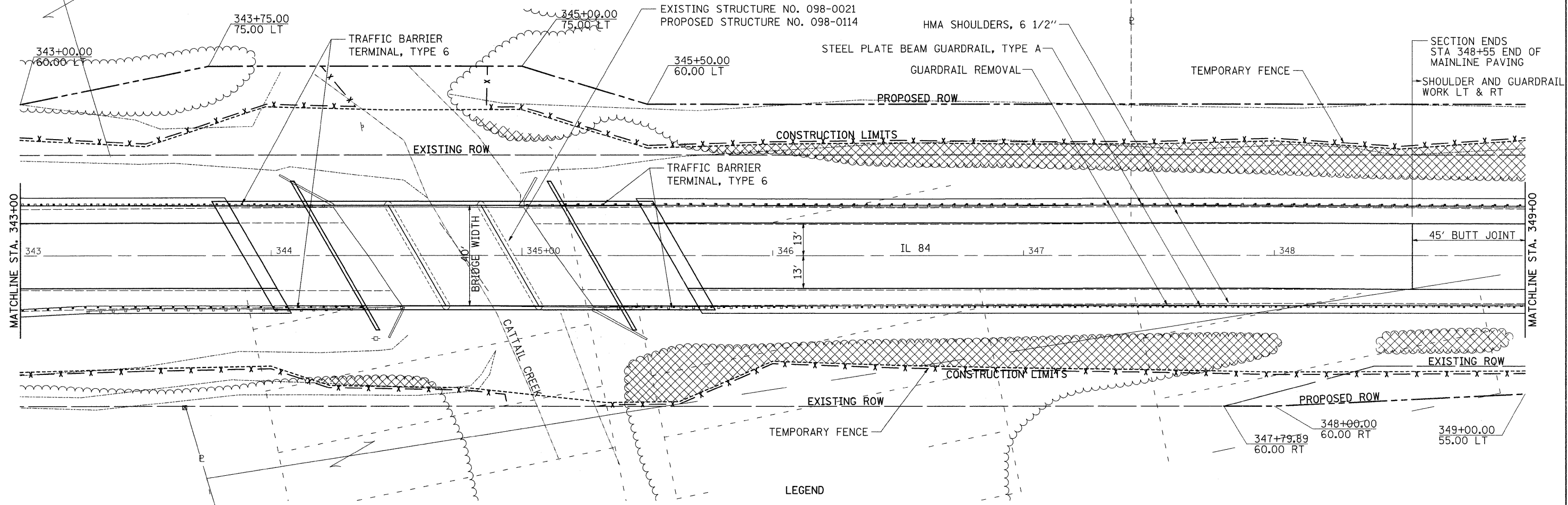
RICHARD A. GREEN, JR. &
JODY A. GREEN

RICHARD L. SHELLY &
JUDITH L. SHELLY



PLAN	SURVEYED	BY	DATE
	ALIGNED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	ADD. FILE NAME		

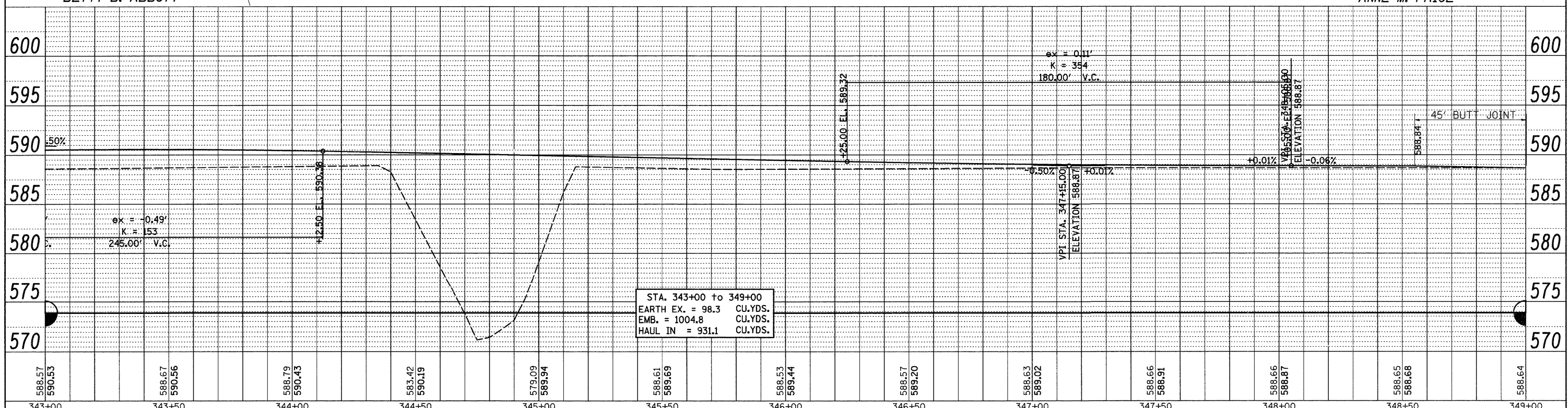
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	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CHKD		
	NO. _____		



WILLIAM M. ABBOTT &
BETTY B. ABBOTT

KEITH L. PRICE &
ANNE M. PRICE

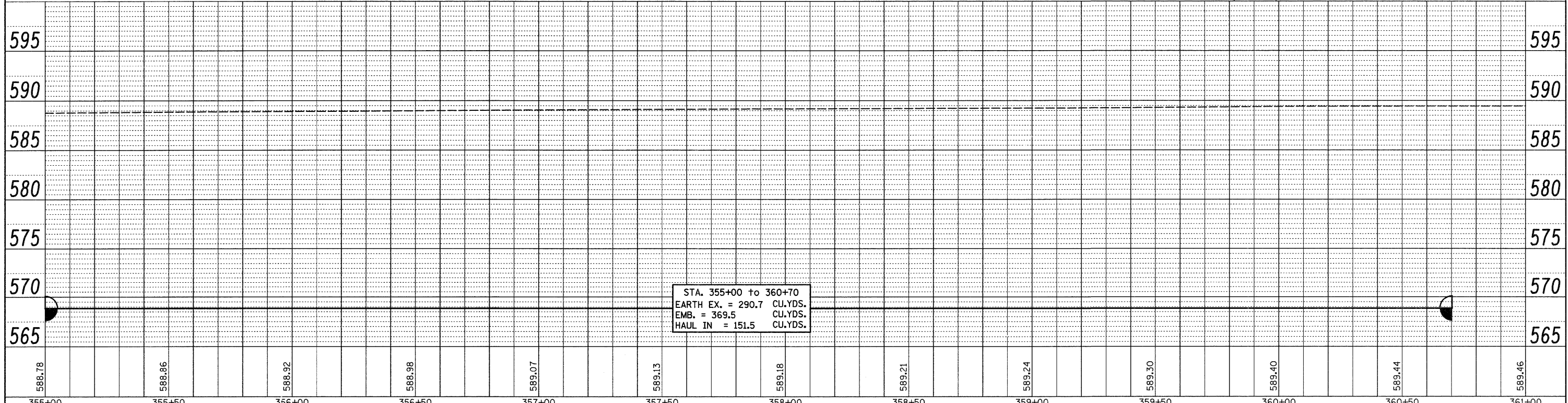
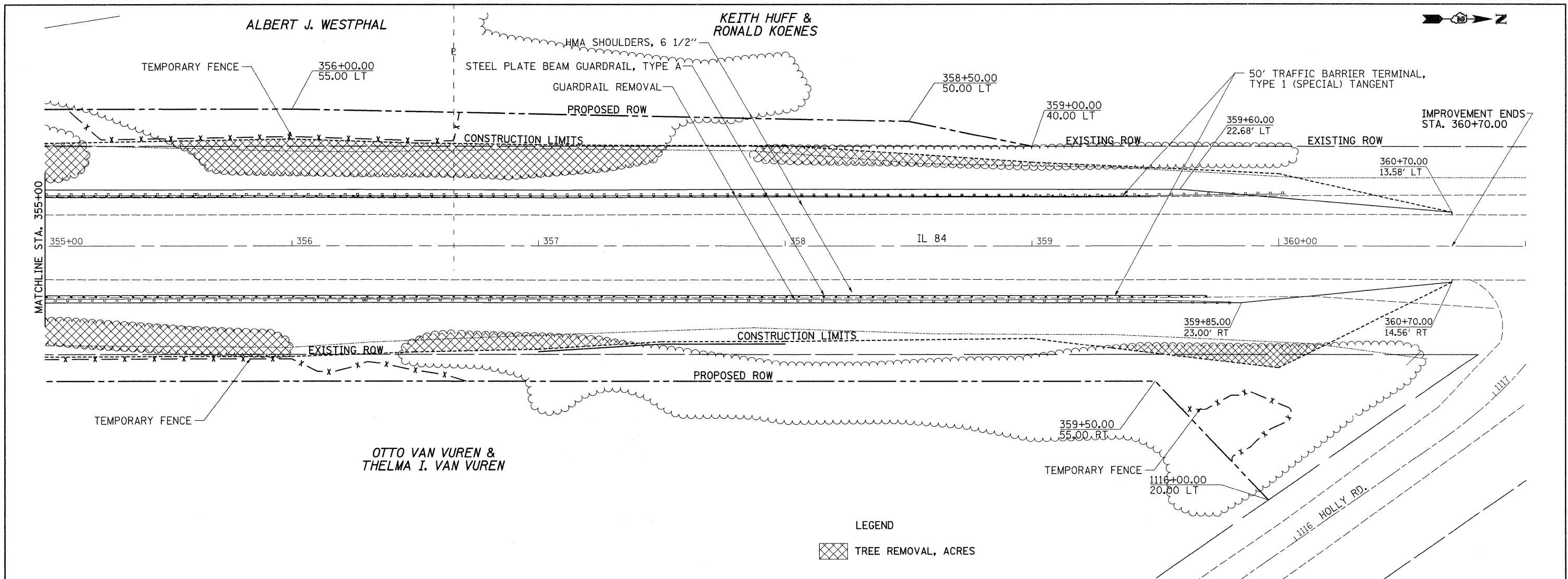
LEGEND
 TREE REMOVAL, ACRES



FILE NAME =	USER NAME = hensonka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

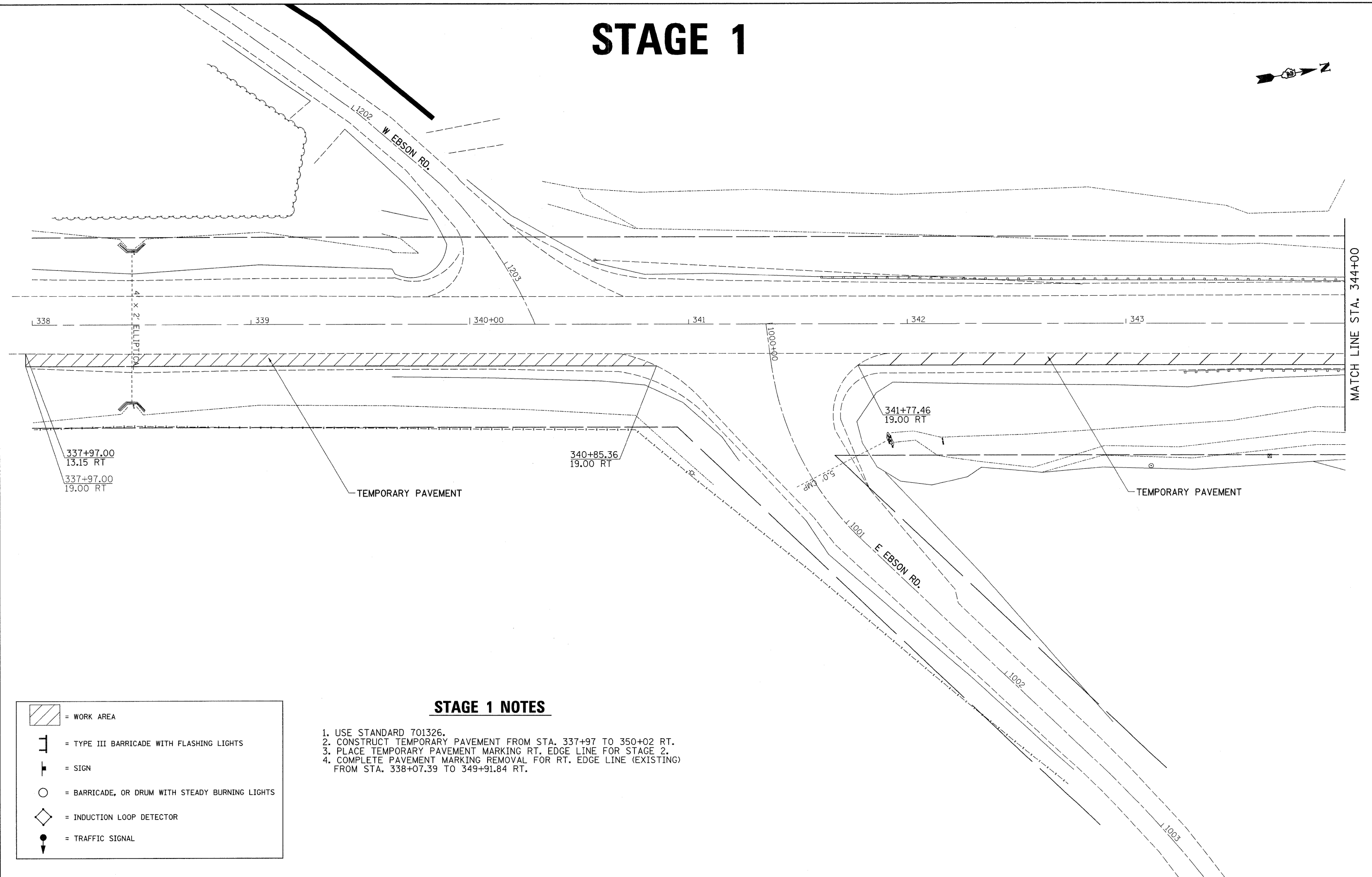
DATE: _____ BY: _____
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 PLAN ALIGNED _____
 CHECKED _____
 NOTE BOOK NO. _____
 RT. OF WAY CHECKED _____
 PADD FILE NAME _____

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









FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Thu Jul 31 09:38:27 2008	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64C25				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STAGE 1



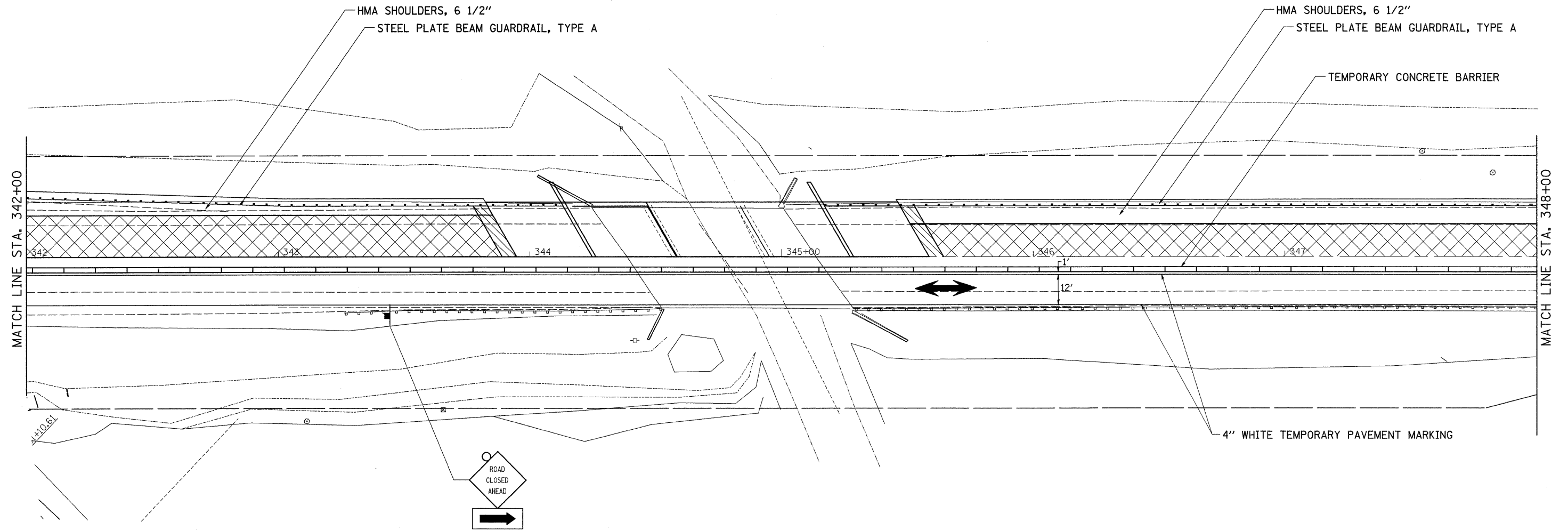
STAGE 1 NOTES

1. USE STANDARD 701326.
2. CONSTRUCT TEMPORARY PAVEMENT FROM STA. 337+97 TO 350+02 RT.
3. PLACE TEMPORARY PAVEMENT MARKING RT. EDGE LINE FOR STAGE 2.
4. COMPLETE PAVEMENT MARKING REMOVAL FOR RT. EDGE LINE (EXISTING) FROM STA. 338+07.39 TO 349+91.84 RT.

	= WORK AREA
	= TYPE III BARRICADE WITH FLASHING LIGHTS
	= SIGN
	= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS
	= INDUCTION LOOP DETECTOR
	= TRAFFIC SIGNAL

FILE NAME = c:\projects\p206006\06006stg.dgn	USER NAME = hansonke	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS			F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 22
PLOT SCALE = 20.0000 ft / IN.	CHECKED -	REVISD -	REVISD -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64C25	
PLOT DATE = Thu Jul 31 09:41:11 2008	DATE -	REVISD -	REVISD -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

STAGE 2



	= WORK AREA
	= TYPE III BARRICADE WITH FLASHING LIGHTS
	= SIGN
	= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS
	= INDUCTION LOOP DETECTOR
	= TRAFFIC SIGNAL

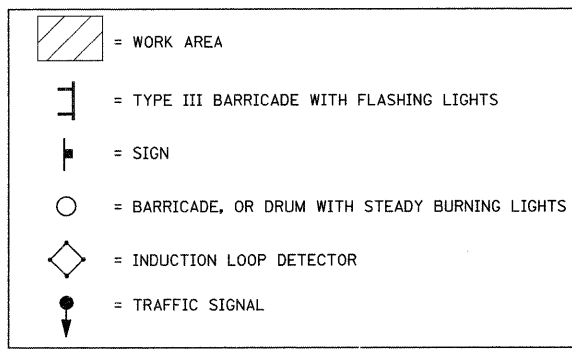
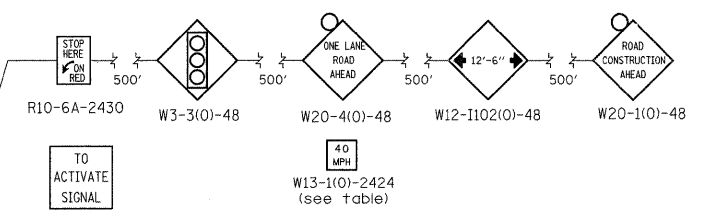
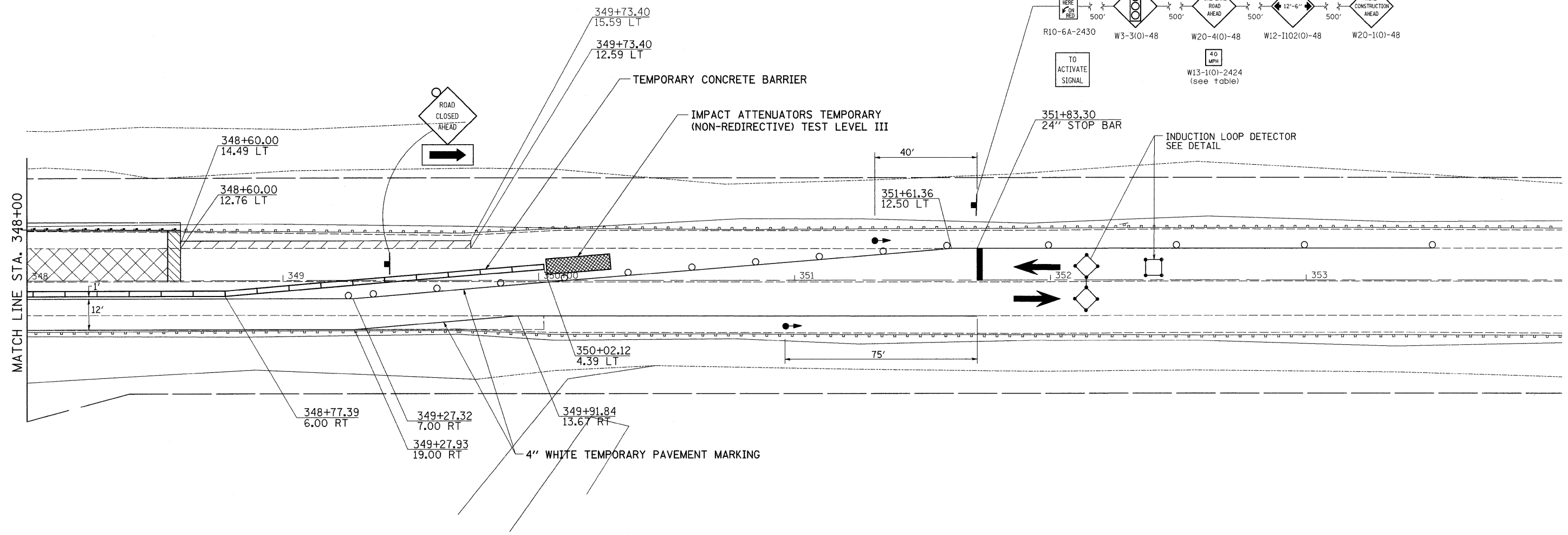
STAGE 2 NOTES

1. USE STANDARD 701321.
2. CLOSE W. EBSON RD.
3. CONSTRUCT BRIDGE LT TO STAGE CONSTRUCTION LINE.
4. CONSTRUCT LEVEL BINDER (MACHINE METHOD).
5. CONSTRUCT FULL WIDTH SHOULDERS AND GUARDRAIL FROM STA. 339+53.50 LT TO STA. 348+60.00 LT
6. CONSTRUCT TEMPORARY RAMP.
7. CONSTRUCT TEMPORARY PAVEMENT.
8. INSTALL GUARDRAIL.

	TEMPORARY RAMP STA 343+90 TO STA 343+95 STA 345+58.61 TO STA 345+63.61 STA 348+55 TO STA 348+60 STA. 339+48.50 TO STA. 339+53.50
	TEMPORARY PAVEMENT STA 338+45 TO STA 339+53.50 STA 348+60 TO STA 349+73.40
	LEVEL BINDER (MACHINE METHOD) STA 339+53.50 TO STA 343+95 STA 345+58.61 TO 348+55

FILE NAME = c:\projects\p206006\d06006stg.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS				F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 25
	PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64C25		
	PLOT DATE = Thu Jul 31 09:41:11 2008	CHECKED -	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -										

STAGE 2



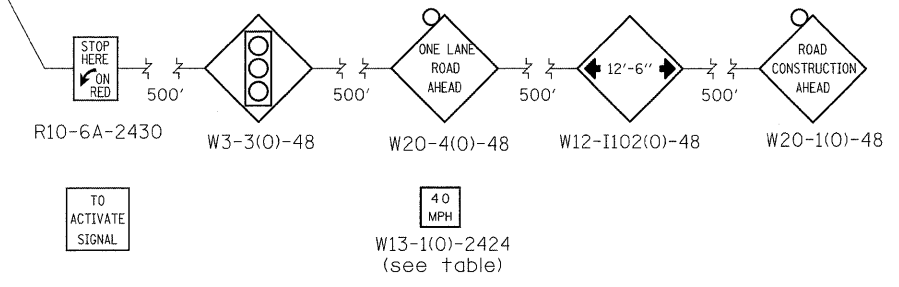
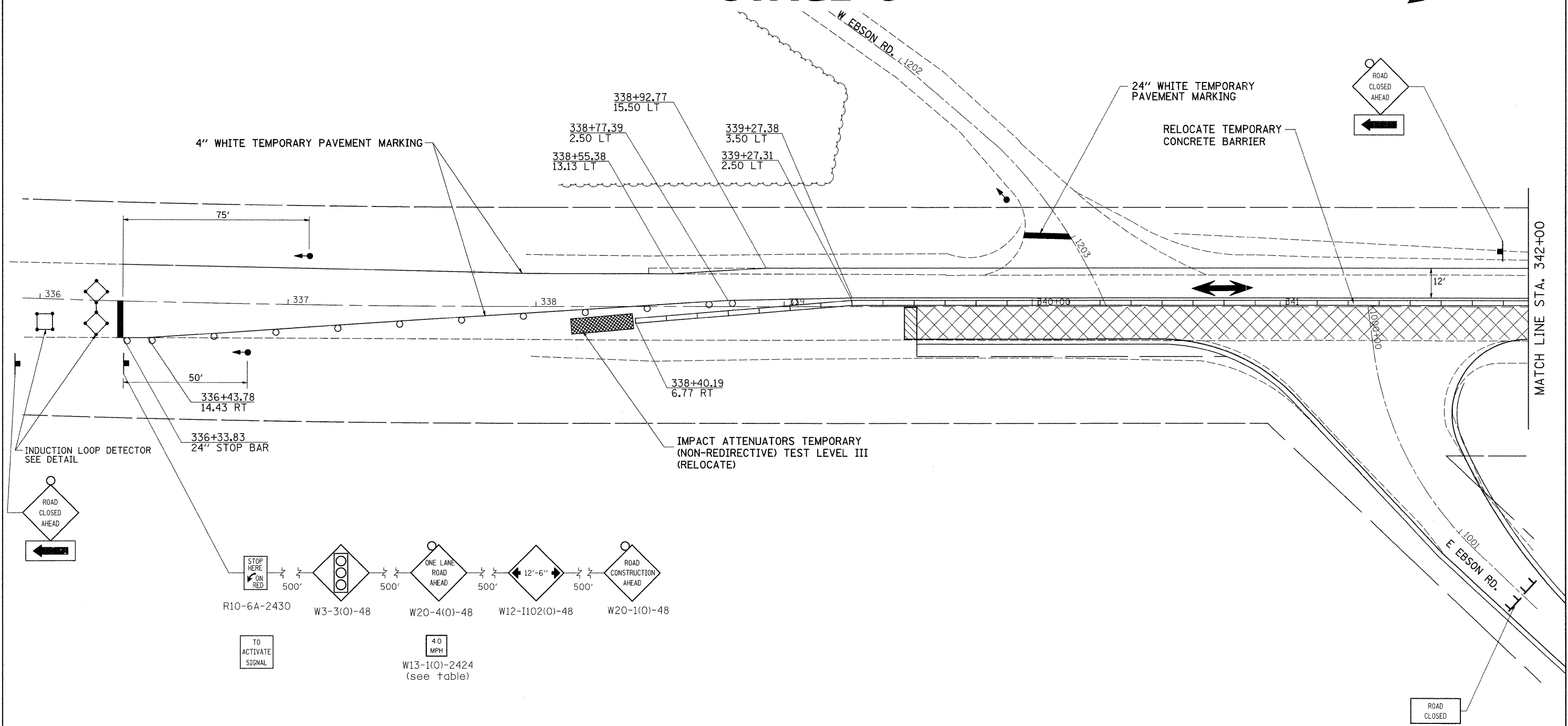
STAGE 2 NOTES

1. USE STANDARD 701321.
2. CLOSE W. EBSON RD.
3. CONSTRUCT BRIDGE LT TO STAGE CONSTRUCTION LINE.
4. CONSTRUCT LEVEL BINDER (MACHINE METHOD).
5. CONSTRUCT FULL WIDTH SHOULDERS AND GUARDRAIL FROM STA. 339+53.50 LT TO STA. 348+60.00 LT
6. CONSTRUCT TEMPORARY RAMPS.
7. CONSTRUCT TEMPORARY PAVEMENT.
8. INSTALL GUARDRAIL.

- TEMPORARY RAMP
STA 343+90 TO STA 343+95
STA 345+58.61 TO STA 345+63.61
STA 348+55 TO STA 348+60
STA. 339+48.50 TO STA. 339+53.50
- TEMPORARY PAVEMENT
STA 338+45 TO STA 339+53.50
STA 348+60 TO STA 349+73.40
- LEVEL BINDER (MACHINE METHOD)
STA 339+53.50 TO STA 343+95
STA 345+58.61 TO 348+55

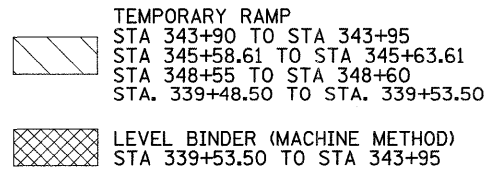
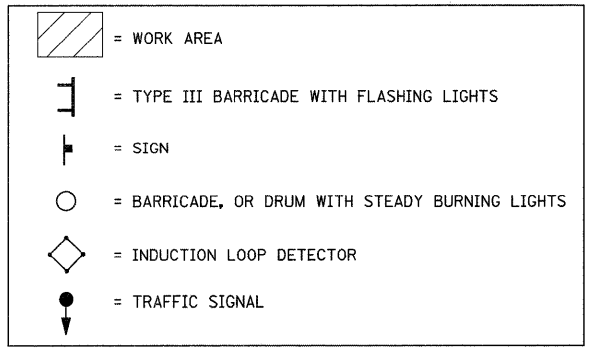
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	PLOT SCALE = 20,000 ft / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64C25	
	PLOT DATE = Thu Jul 31 09:41:11 2008	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -								FED. ROAD DIST. NO.	

STAGE 3



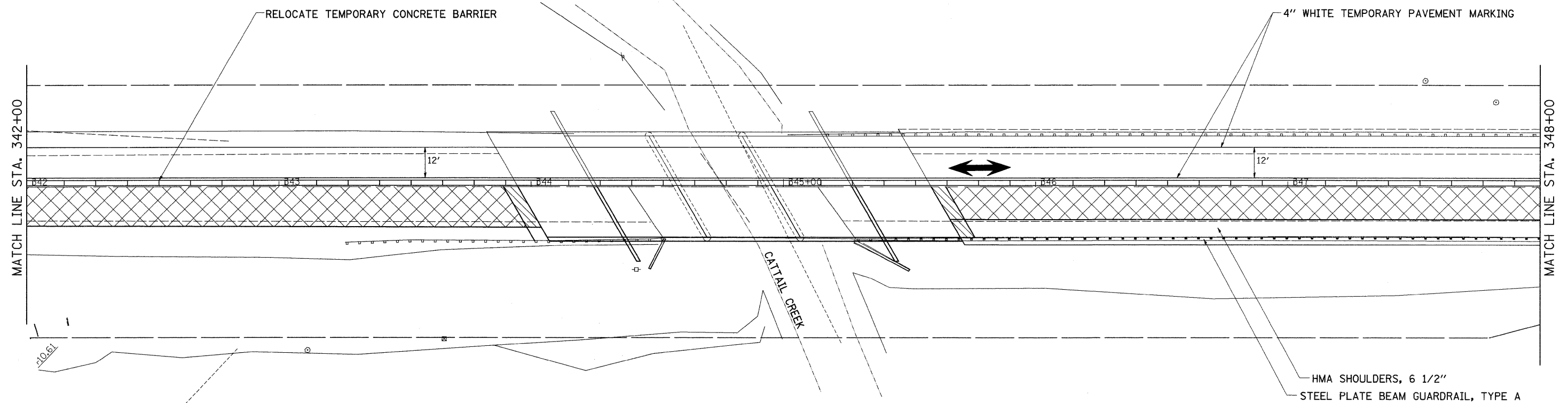
STAGE 3 NOTES



1. USE STANDARD 701321.
2. CLOSE E. EBSON RD.
3. CONSTRUCT BRIDGE RT FROM STAGE CONSTRUCTION LINE.
4. CONSTRUCT FULL DEPTH PAVEMENT FROM STA. 345+58.61 RT TO STA. 348+55 RT
5. CONSTRUCT FULL WIDTH SHOULDERS AND GUARDRAIL FROM STA. 340+52.22 RT TO STA. 348+55.00 RT
6. CONSTRUCT TEMPORARY RAMPS.
7. INSTALL GUARDRAIL.
8. BARRIER WALL TO BE PINNED IN 6 LOCATIONS EACH SIDE OF THE BRIDGE.
9. STAGE 4 WILL CONSIST OF FINAL SURFACE COURSE AND PAVEMENT MARKINGS DONE UNDER FLAGGERS.









FILE NAME = c:\projects\p206006\d06006stg.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS			F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 27
PLOT SCALE = 20,000 ft / in.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64C25	
PLOT DATE = Thu Jul 31 09:41:12 2008	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

STAGE 3



-  TEMPORARY RAMP
 STA 343+90 TO STA 343+95
 STA 345+58.61 TO STA 345+63.61
 STA 348+55 TO STA 348+60
 STA. 339+48.50 TO STA. 339+53.50
-  LEVEL BINDER (MACHINE METHOD)
 STA 342+95 TO STA 343+95
 STA 345+58.61 TO STA 348+55

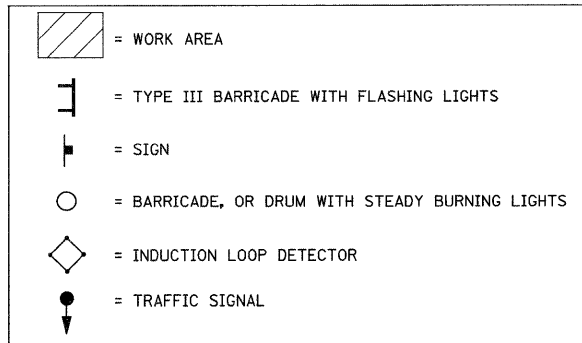
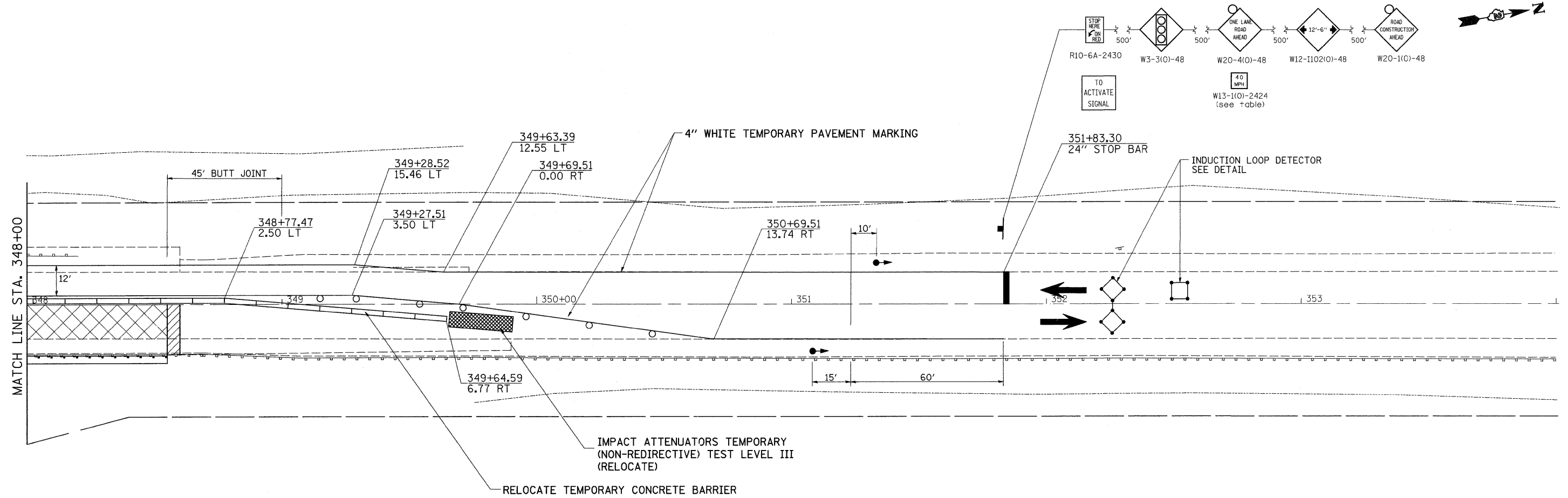
	= WORK AREA
	= TYPE III BARRICADE WITH FLASHING LIGHTS
	= SIGN
	= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS
	= INDUCTION LOOP DETECTOR
	= TRAFFIC SIGNAL

STAGE 3 NOTES

1. USE STANDARD 701321.
2. CLOSE E. EBSON RD.
3. CONSTRUCT BRIDGE RT FROM STAGE CONSTRUCTION LINE.
4. CONSTRUCT FULL DEPTH PAVEMENT FROM STA. 345+58.61 RT TO STA. 348+55 RT
5. CONSTRUCT FULL WIDTH SHOULDERS AND GUARDRAIL FROM STA. 340+52.22 RT TO STA. 348+55.00 RT
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FILE NAME = c:\projects\p206006\d06006stg.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS				F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 28
PLOT SCALE = 20.0000 ft / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64C25		
PLOT DATE = Thu Jul 31 09:41:12 2008	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

STAGE 3



STAGE 3 NOTES

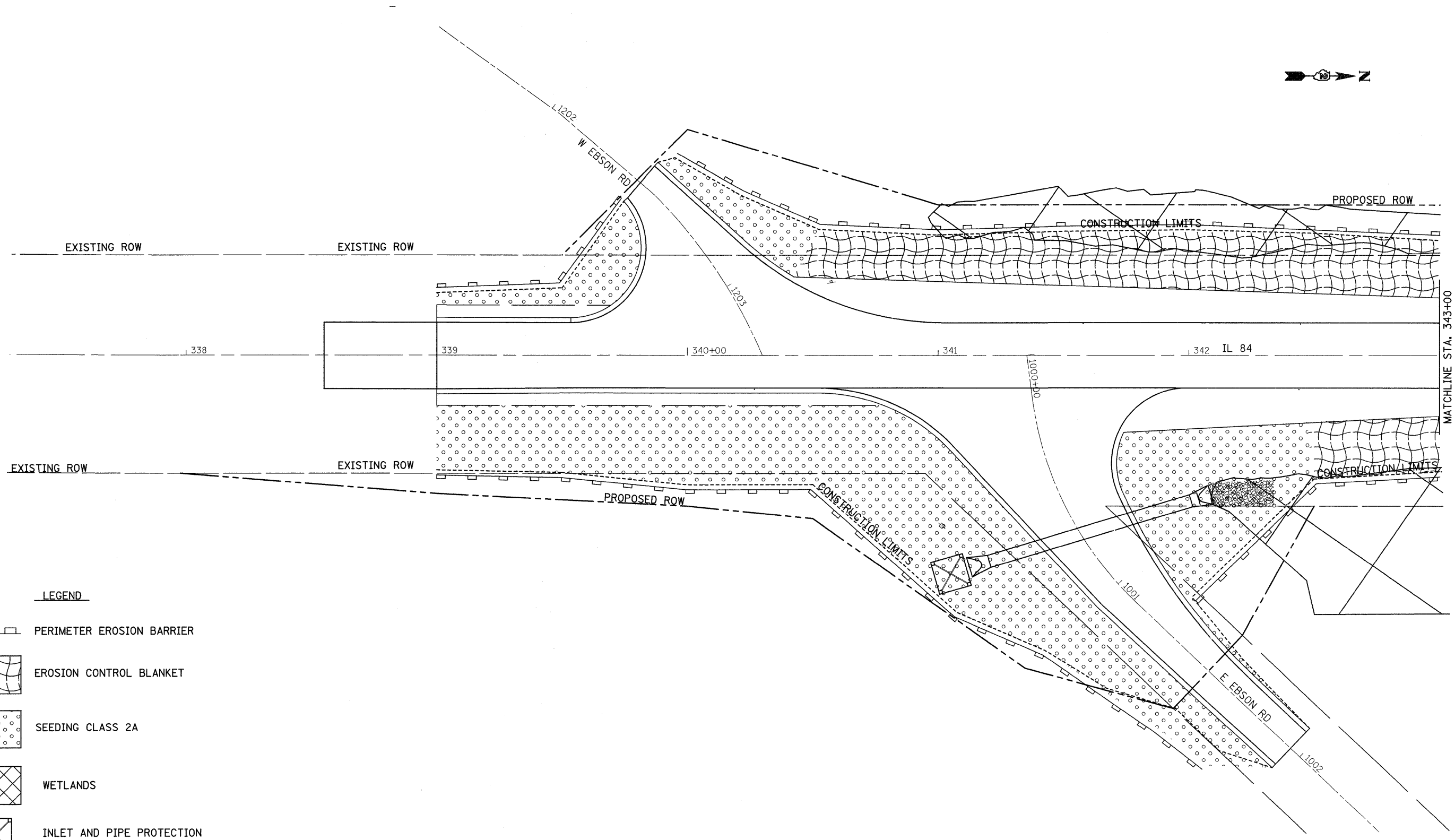
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2. CLOSE E. EBSON RD.
3. CONSTRUCT BRIDGE RT FROM STAGE CONSTRUCTION LINE.
4. CONSTRUCT FULL DEPTH PAVEMENT FROM STA. 345+58.61 RT TO STA. 348+55 RT
5. CONSTRUCT FULL WIDTH SHOULDERS AND GUARDRAIL FROM STA. 340+52.22 RT TO STA. 348+55.00 RT
6. CONSTRUCT TEMPORARY RAMPS.
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8. BARRIER WALL TO BE PINNED IN 6 LOCATIONS EACH SIDE OF THE BRIDGE.
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- TEMPORARY RAMP
STA 343+90 TO STA 343+95
STA 345+58.61 TO STA 345+63.61
STA 348+55 TO STA 348+60
STA. 339+48.50 TO STA. 339+53.50
- LEVEL BINDER (MACHINE METHOD)
STA 342+95 TO STA 343+95
STA 345+58.61 TO STA 348+55

FILE NAME = c:\projects\p206006\d06006stg.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	308	109BR-5	WHITESIDE	83	29
		PLOT SCALE = 20,000 ft / IN.	REVISOR -											
		PLOT DATE = Thu Jul 31 09:41:12 2008	DATE -											
										CONTRACT NO. 64C25			ILLINOIS FED. AID PROJECT	

EROSION CONTROL / SEEDING DETAILS

DATE	BY
PLANNED	
DESIGNED	
CHECKED	
DATE	

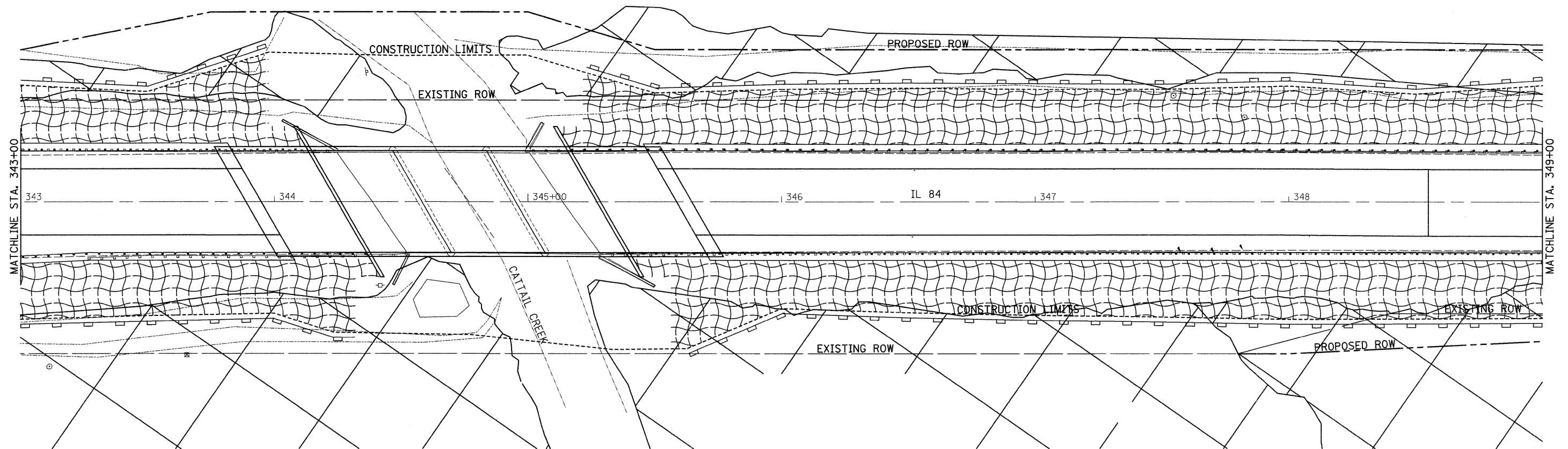


LEGEND





- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- SEEDING CLASS 2A
- WETLANDS
- INLET AND PIPE PROTECTION

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		DATE -	REVISED -								

EROSION CONTROL / SEEDING DETAILS

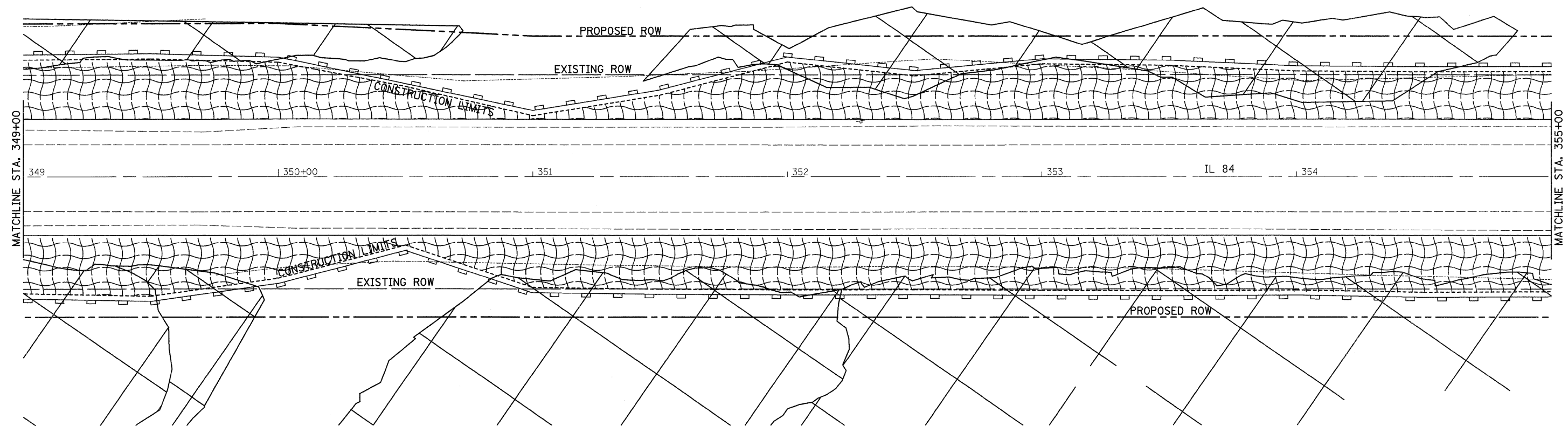


LEGEND

-  PERIMETER EROSION BARRIER
-  EROSION CONTROL BLANKET
-  SEEDING CLASS 2A
-  WETLANDS

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PLOT DATE = Thu Jul 31 09:47:07 2009		DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

EROSION CONTROL /SEEDING DETAILS



LEGEND

PERIMETER EROSION BARRIER

EROSION CONTROL BLANKET

SEEDING CLASS 2A

WETLANDS

FILE NAME =
c:\projects\p206006\d06006.dgn

USER NAME = hensonke
PLOT SCALE = 20.0000' / IN.
PLOT DATE = Thu Jul 31 09:47:07 2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

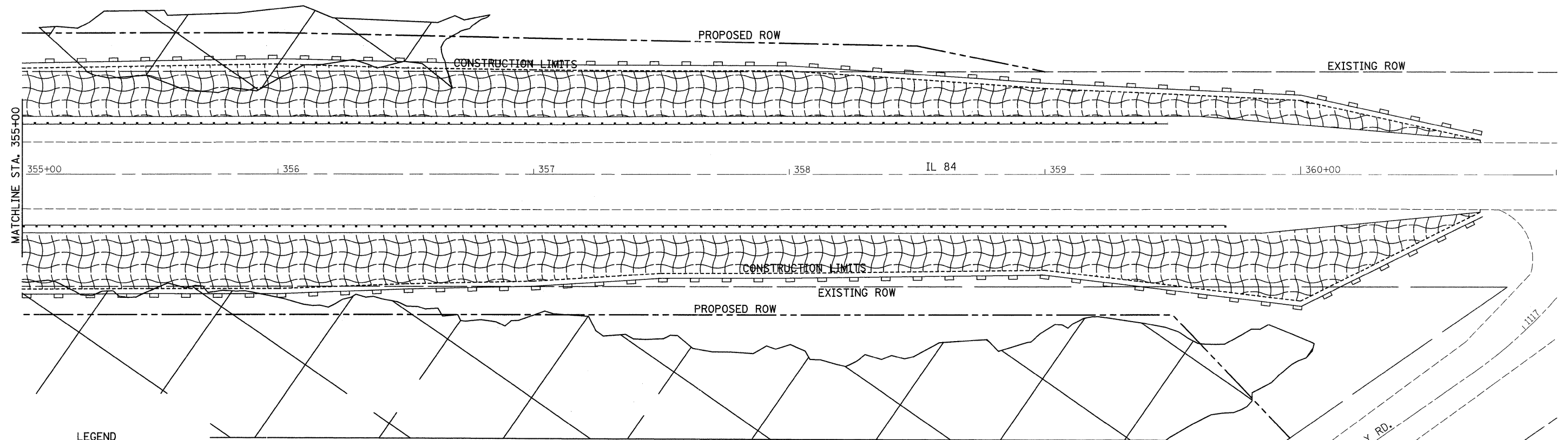
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL /SEEDING DETAILS





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F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C25	

EROSION CONTROL / SEEDING DETAILS

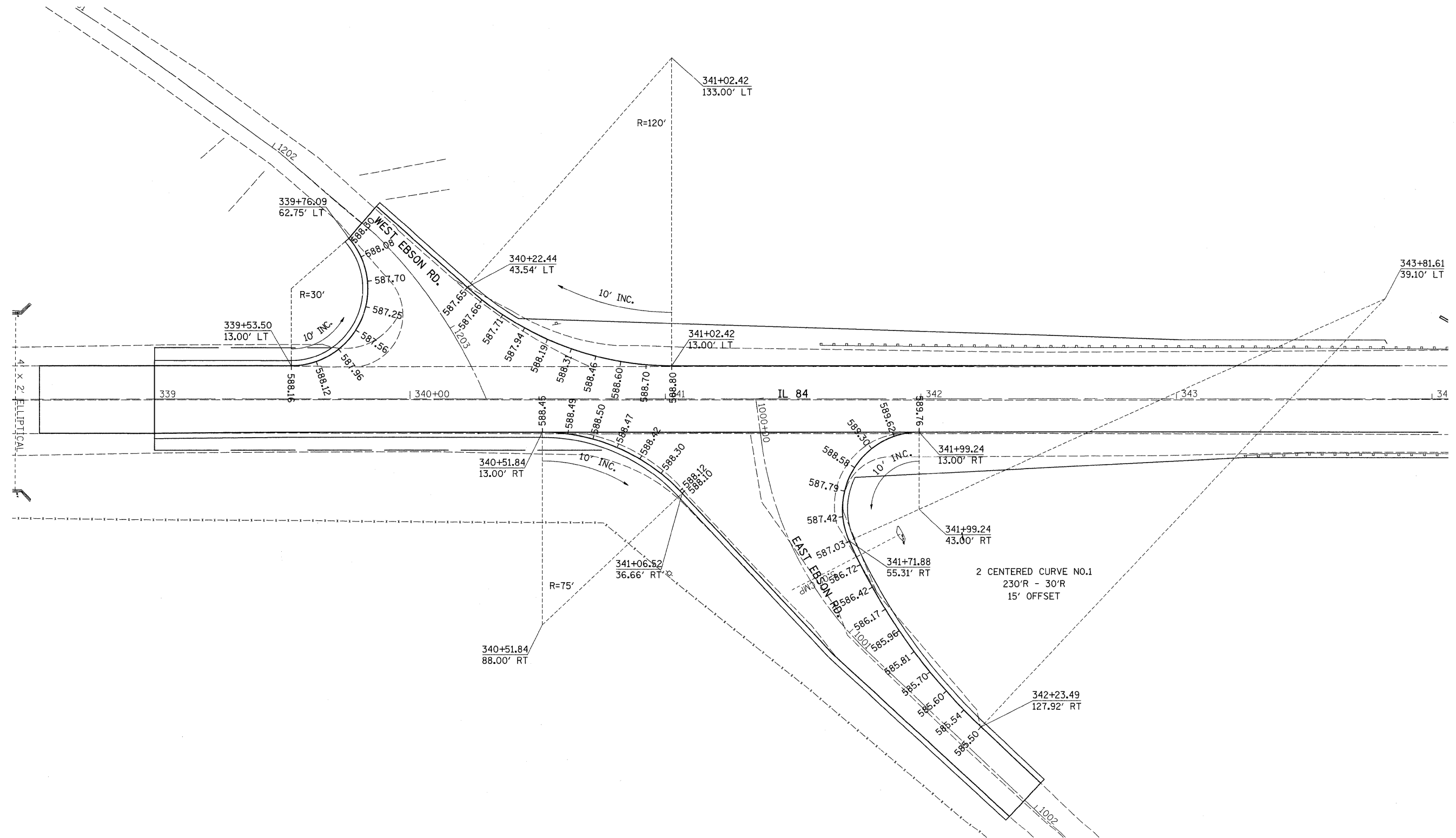


LEGEND

-  PERIMETER EROSION BARRIER
-  EROSION CONTROL BLANKET
-  SEEDING CLASS 2A
-  WETLANDS

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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64C25				
PLOT DATE = Thu Jul 31 09:47:07 2008		DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

PAVEMENT ELEVATIONS



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		DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
		CHECKED -	REVISED -								
		DATE -	REVISED -								

Bench Mark: Top of RR bridge pier. Sta. 344+13.00. O/S 83.97 LT., Elev. 586.45

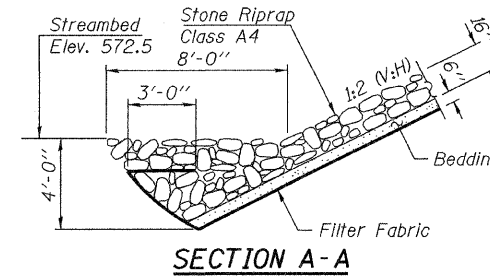
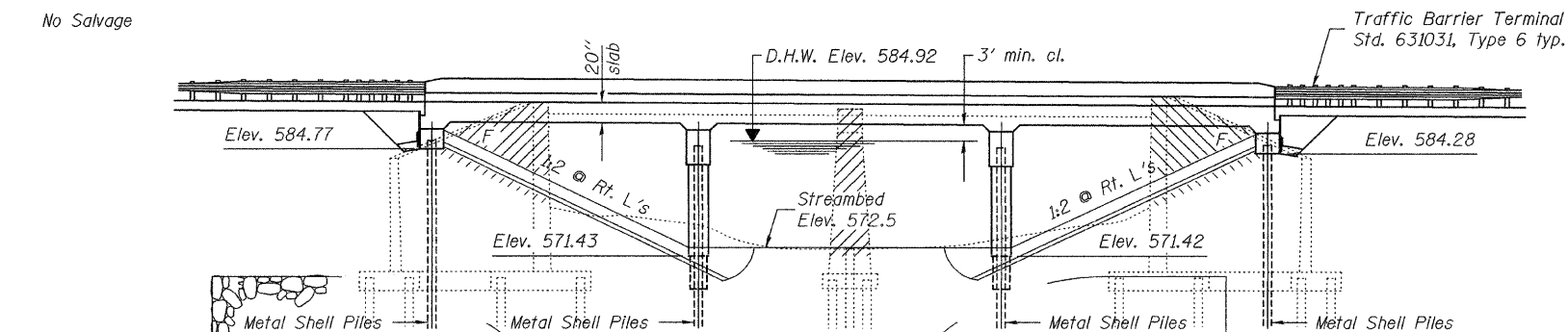
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAP 308	109BR-5	WHITESIDE	83	35	19 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract #64C25

Existing Structure: S.N. 098-0021 built in 1932 as S.B.I. Route 80, Section 109-B.
Superstructure replaced and substructure widened in 1972 as S.B.I. Route 80, Section 109BR.
Structure consists of two span PPC deck beams on closed abutments and a solid tapered pier.
77'-4" back-to-back abutments, 40'-0" out-to-out deck. Existing Structure is to be removed and replaced. One lane of traffic will be maintained utilizing Stage Construction.

No Salvage



INDEX OF SHEETS

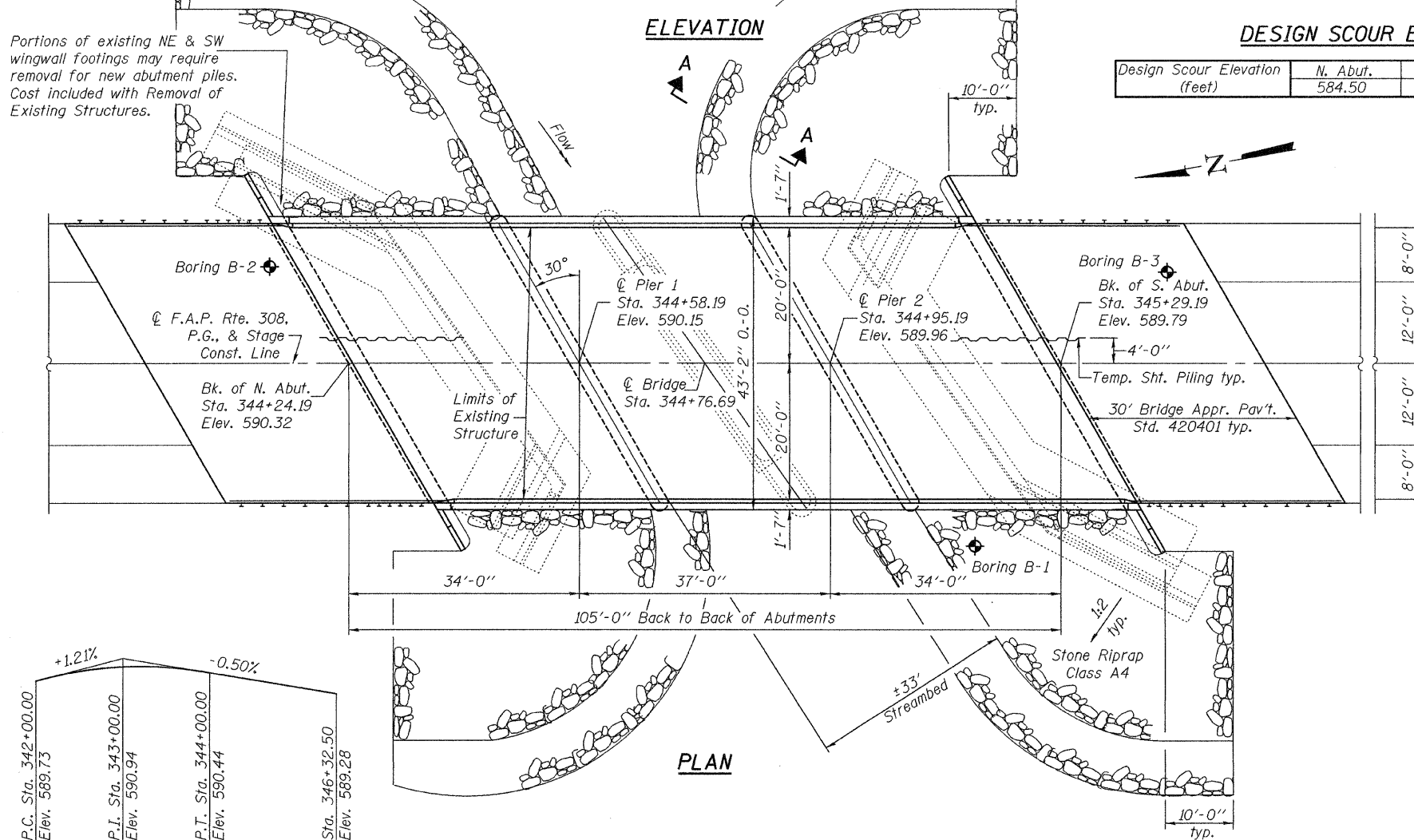
1. General Plan and Elevation
2. General Data
3. Stage Construction Details
4. Temporary Concrete Barrier
- 5.-6. Top of Slab Elevations
7. North Approach Elevations
8. South Approach Elevations
9. Superstructure
10. Superstructure Details
11. North Abutment
12. South Abutment
13. Pier 1
14. Pier 2
15. Metal Shell Pile Details
16. Bar Splicer Assembly Details
- 17.-19. Boring Logs

Portions of existing NE & SW wingwall footings may require removal for new abutment piles. Cost included with Removal of Existing Structures.

ELEVATION

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (feet)	N. Abut.	Pier 1	Pier 2	S. Abut.
	584.50	557.46	557.46	583.95



LOADING HL-93

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

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications, 4th. Edition

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

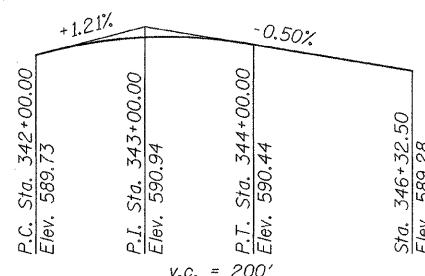
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Bedrock Acceleration Coefficient (A) = 3.3%g
Site Coefficient (S) = 1.0

STATION 344+76.69
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. ROUTE 308 - SECTION 109BR-5
LOADING HL-93
STRUCTURE NO. 098-0114

NAME PLATE

See Std. 515001



PROFILE GRADE

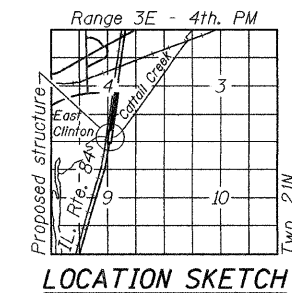
(along C. Rdwy.)

WATERWAY INFORMATION

Exist. Low Grade Elev. 587.7 ft. @ Sta. 339+65
Prop. Low Grade Elev. 587.7 ft. @ Sta. 339+65

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Ten-Year	10	2308	482	539	584.91	0.73	0.69	585.6	585.6
Design	50	3393	483	540	584.92	1.47	1.41	586.4	586.3
Base	100	3836	484	540	584.93	1.83	1.76	586.8	586.7
Max. Calc.	500	4870	484	541	584.94	2.77	2.67	587.7	587.6

10 Year Velocity through Existing Bridge = 4.7 fps
10 Year Velocity through Prop. Bridge = 4.2 fps



DESIGNED	Danny H. Coulter
CHECKED	Stephan M. Ryan
DRAWN	W.D. Collins DML
CHECKED	DHC / SMR

September 2, 2008
EXAMINED: [Signature]
PASSED: [Signature]
ENGINEER OF BRIDGES AND STRUCTURES



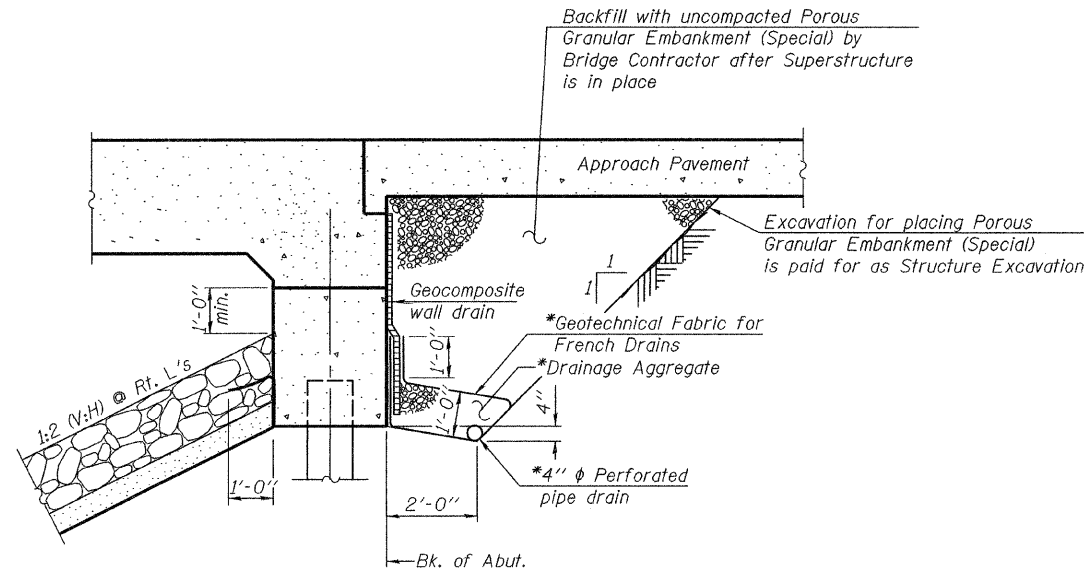
EXPIRES 11-30-2008

GENERAL PLAN
IL. ROUTE 84 OVER
CATTAIL CREEK
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
FAP 308	109BR-5	WHITESIDE	83	36	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT-		

Contract #64C25



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains for Structures 4'.

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110).

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

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

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework. Forms for deck slab shall be removed prior to placement of bridge approach pavement.

The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal of the existing superstructure.

If the Contractor's procedures for existing deck beam removal involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. This procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the deck beams for the proposed loads. Cost Included with Removal of Existing Structures.

Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		83	83
Stone Riprap, Class A4	Sq. Yd.		1,255	1,255
Filter Fabric	Sq. Yd.		1,255	1,255
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		148	148
Concrete Structures	Cu. Yd.		182.4	182.4
Concrete Superstructure	Cu. Yd.	310.4		310.4
Bridge Deck Grooving	Sq. Yd.	439		439
Concrete Encasement	Cu. Yd.		11.0	11.0
Protective Coat	Sq. Yd.	548		548
Reinforcement Bars, Epoxy Coated	Pound	57,000	14,420	71,420
Bar Splicers	Each	193	92	285
Furnishing Metal Shell Piles 14"x0.312"	Foot		1,867	1,867
Driving Piles	Foot		1,867	1,867
Test Pile Metal Shells	Each		2	2
Temporary Sheet Piling	Sq. Ft.		967	967
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		52	52
Pipe Underdrains for Structures 4'	Foot		160	160
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Asbestos Bearing Pad Removal	Each			40

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

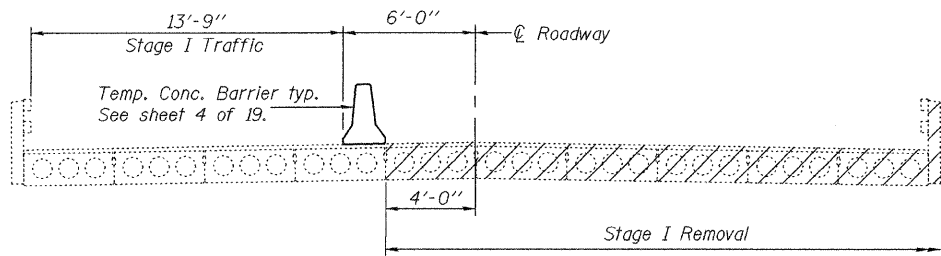
September 2, 2008
 EXAMINED *Thomas J. Domagala*
 ENGINEER OF PUBLIC DESIGN
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES

GENERAL DATA
 F.A.P. ROUTE 308 - SECTION 109BR-5
 WHITESIDE COUNTY
 STATION 344+76.69
 STRUCTURE NO. 098-0114

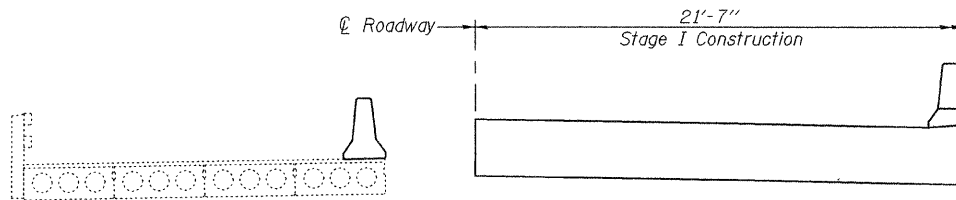
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
FAP 308	109BR-5	WHITESIDE	83	37	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

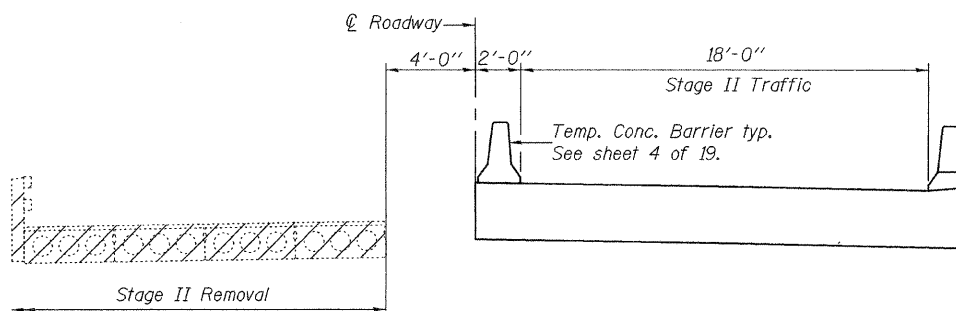
Contract #64C25



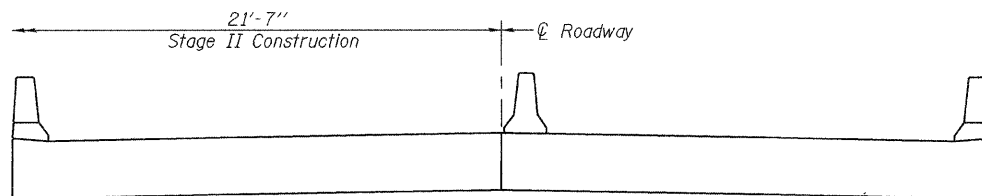
STAGE I REMOVAL



STAGE I CONSTRUCTION

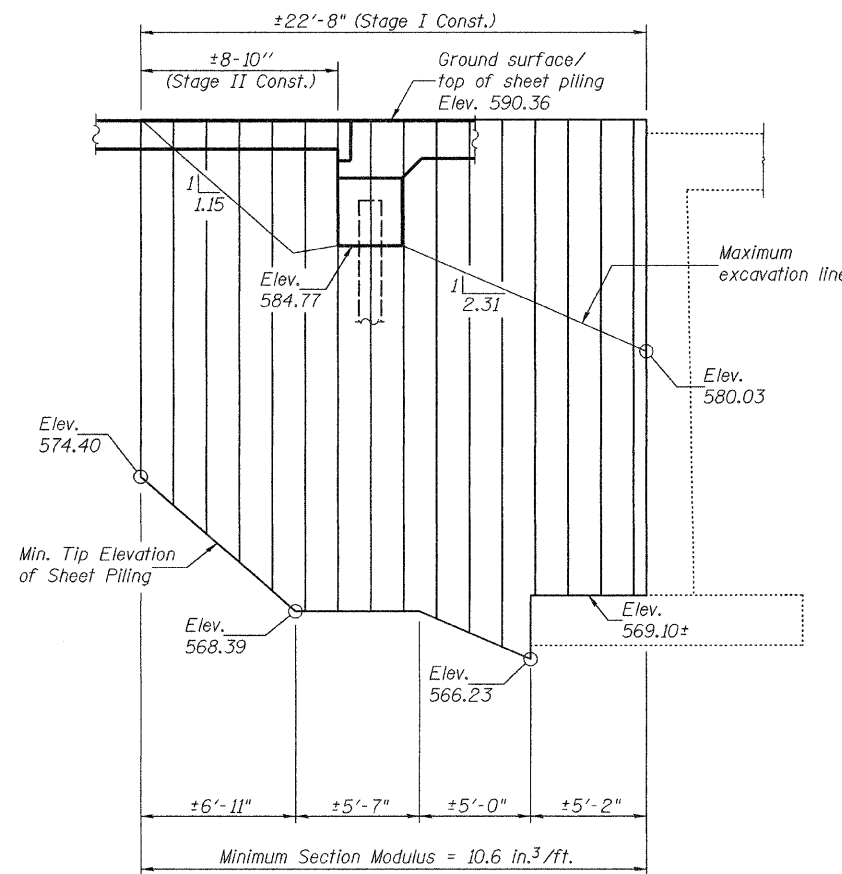


STAGE II REMOVAL



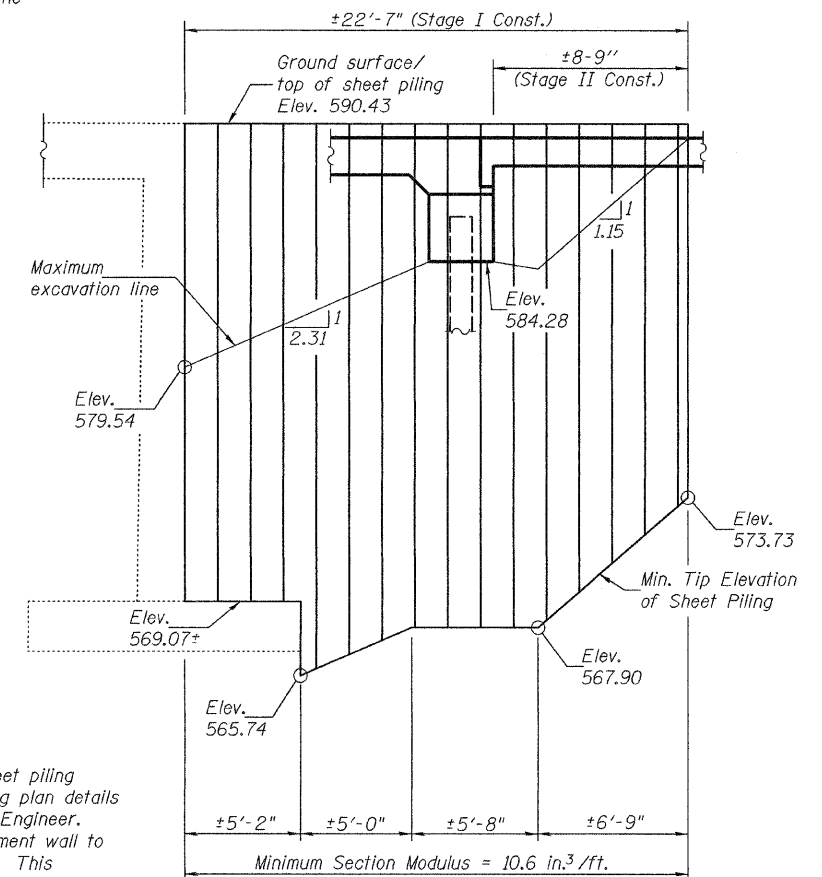
STAGE II CONSTRUCTION

Notes:
Hatched areas indicate Removal of Existing Structures.
For quantity of Temporary Concrete Barrier, see Roadway Plans.
All cross sections are looking South.



NORTH ABUTMENT SHEET PILING

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.



SOUTH ABUTMENT SHEET PILING

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Domagalick*
ENGINEER OF CIVIL DESIGN
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

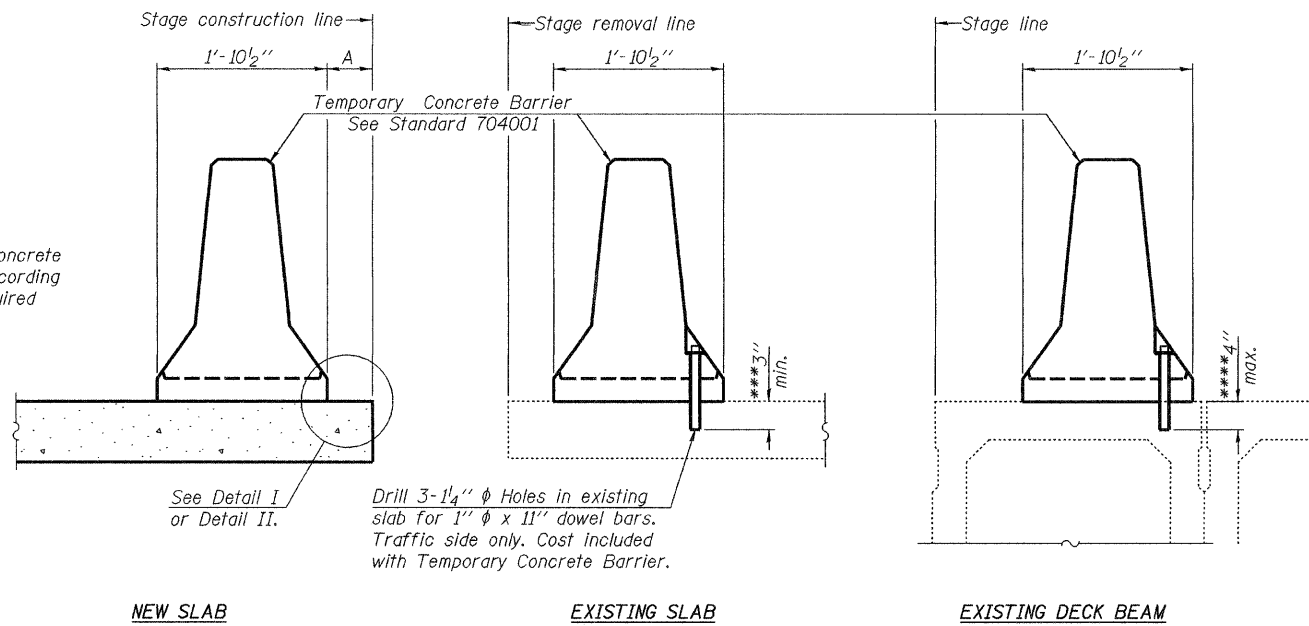
STAGE CONSTRUCTION DETAILS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
FAP 308	109BR-5	WHITESIDE	83	38	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #64C25

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



NEW SLAB

EXISTING SLAB

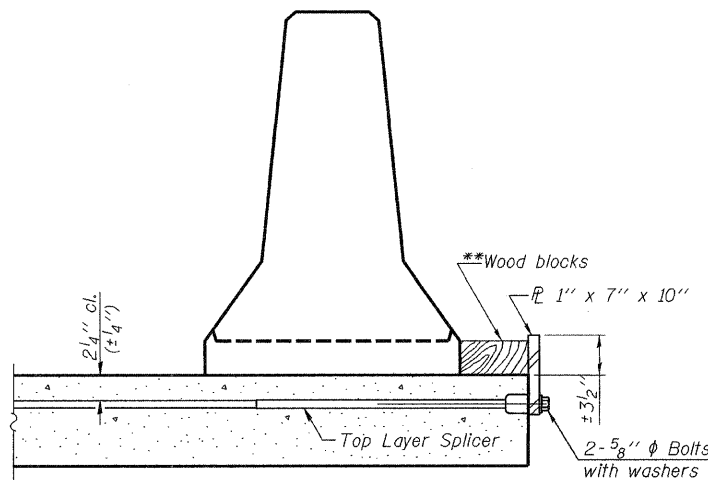
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

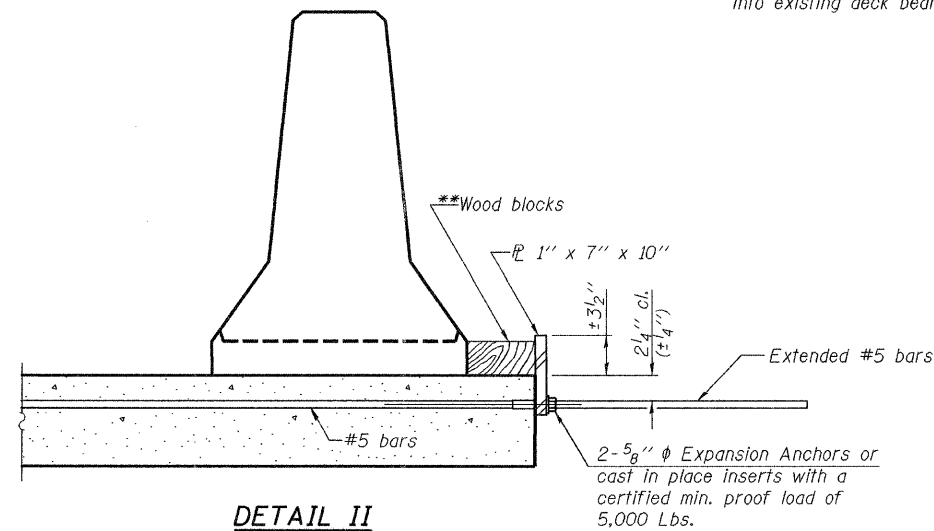
NOTES

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

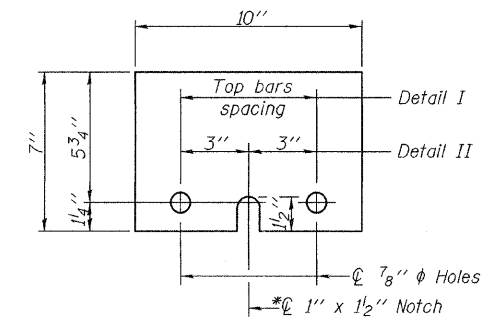
- ***Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- ***If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and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



DETAIL I



DETAIL II



STEEL RETAINER PL 1' x 7' x 10'

*Required only with Detail II

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

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

EXAMINED	September 2, 2008
PASSED	Thomas J. Domagalaki ENGINEER OF BRIDGE DESIGN
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

R-27

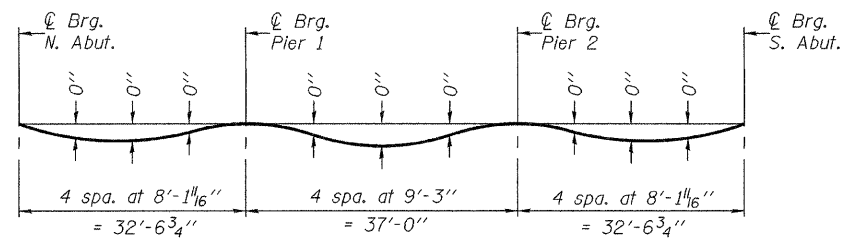
5-16-08

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 19 SHEETS
FAP 308	109BR-5	WHITESIDE	83	39	
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT		

Contract #64C25

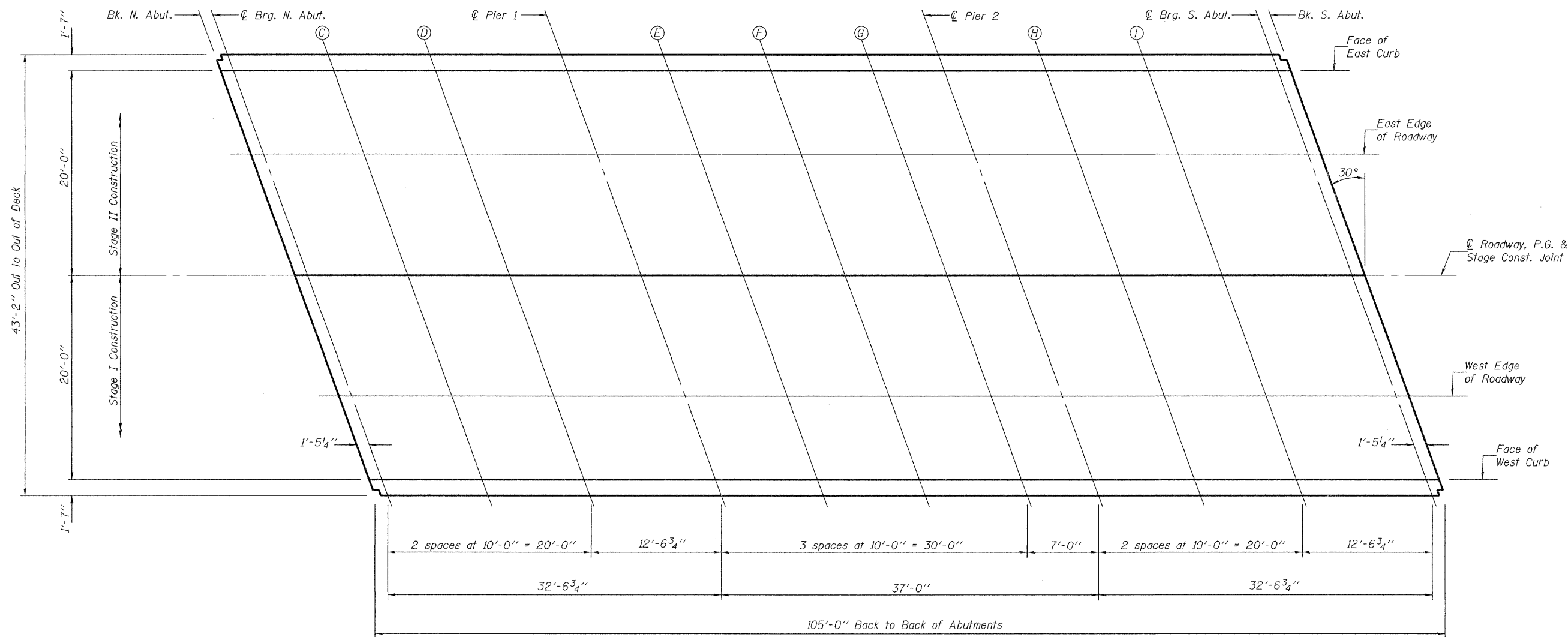


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheet 6 of 19.



PLAN

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

EXAMINED	September 2, 2008 <i>Thomas J. Domagala</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Ralph E. Carls</i> ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
FAP 308	109BR-5	WHITESIDE	83	40	19 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #64C25

FACE OF EAST CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	344+12.64	-20.00	590.02	590.02
⊕ Brg. N. Abut.	344+14.09	-20.00	590.02	590.02
C	344+24.09	-20.00	589.97	589.97
D	344+34.09	-20.00	589.92	589.92
⊕ Brg. Pier 1	344+46.64	-20.00	589.85	589.85
E	344+56.64	-20.00	589.80	589.80
F	344+66.64	-20.00	589.75	589.75
G	344+76.64	-20.00	589.70	589.70
⊕ Brg. Pier 2	344+83.64	-20.00	589.67	589.67
H	344+93.64	-20.00	589.62	589.62
I	345+03.64	-20.00	589.57	589.57
⊕ Brg. S. Abut.	345+16.20	-20.00	589.50	589.50
Bk. S. Abut.	345+17.64	-20.00	589.50	589.50

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	344+17.26	-12.00	590.17	590.17
⊕ Brg. N. Abut.	344+18.71	-12.00	590.16	590.16
C	344+28.71	-12.00	590.11	590.11
D	344+38.71	-12.00	590.06	590.06
⊕ Brg. Pier 1	344+51.26	-12.00	590.00	590.00
E	344+61.26	-12.00	589.95	589.95
F	344+71.26	-12.00	589.90	589.90
G	344+81.26	-12.00	589.85	589.85
⊕ Brg. Pier 2	344+88.26	-12.00	589.81	589.81
H	344+98.26	-12.00	589.76	589.76
I	345+08.26	-12.00	589.71	589.71
⊕ Brg. S. Abut.	345+20.82	-12.00	589.65	589.65
Bk. S. Abut.	345+22.26	-12.00	589.64	589.64

⊕ ROADWAY, PROFILE GRADE, & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	344+24.19	0.00	590.32	590.32
⊕ Brg. N. Abut.	344+25.63	0.00	590.31	590.31
C	344+35.63	0.00	590.26	590.26
D	344+45.63	0.00	590.21	590.21
⊕ Brg. Pier 1	344+58.19	0.00	590.15	590.15
E	344+68.19	0.00	590.10	590.10
F	344+78.19	0.00	590.05	590.05
G	344+88.19	0.00	590.00	590.00
⊕ Brg. Pier 2	344+95.19	0.00	589.96	589.96
H	345+05.19	0.00	589.91	589.91
I	345+15.19	0.00	589.86	589.86
⊕ Brg. S. Abut.	345+27.75	0.00	589.80	589.80
Bk. S. Abut.	345+29.19	0.00	589.79	589.79

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	344+31.12	12.00	590.10	590.10
⊕ Brg. N. Abut.	344+32.56	12.00	590.09	590.09
C	344+42.56	12.00	590.04	590.04
D	344+52.56	12.00	589.99	589.99
⊕ Brg. Pier 1	344+65.12	12.00	589.93	589.93
E	344+75.12	12.00	589.88	589.88
F	344+85.12	12.00	589.83	589.83
G	344+95.12	12.00	589.78	589.78
⊕ Brg. Pier 2	345+02.12	12.00	589.74	589.74
H	345+12.12	12.00	589.69	589.69
I	345+22.12	12.00	589.64	589.64
⊕ Brg. S. Abut.	345+34.67	12.00	589.58	589.58
Bk. S. Abut.	345+36.12	12.00	589.57	589.57

FACE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	344+35.74	20.00	589.91	589.91
⊕ Brg. N. Abut.	344+37.18	20.00	589.90	589.90
C	344+47.18	20.00	589.85	589.85
D	344+57.18	20.00	589.80	589.80
⊕ Brg. Pier 1	344+69.74	20.00	589.74	589.74
E	344+79.74	20.00	589.69	589.69
F	344+89.74	20.00	589.64	589.64
G	344+99.74	20.00	589.59	589.59
⊕ Brg. Pier 2	345+06.74	20.00	589.55	589.55
H	345+16.74	20.00	589.50	589.50
I	345+26.74	20.00	589.45	589.45
⊕ Brg. S. Abut.	345+39.29	20.00	589.39	589.39
Bk. S. Abut.	345+40.74	20.00	589.38	589.38

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

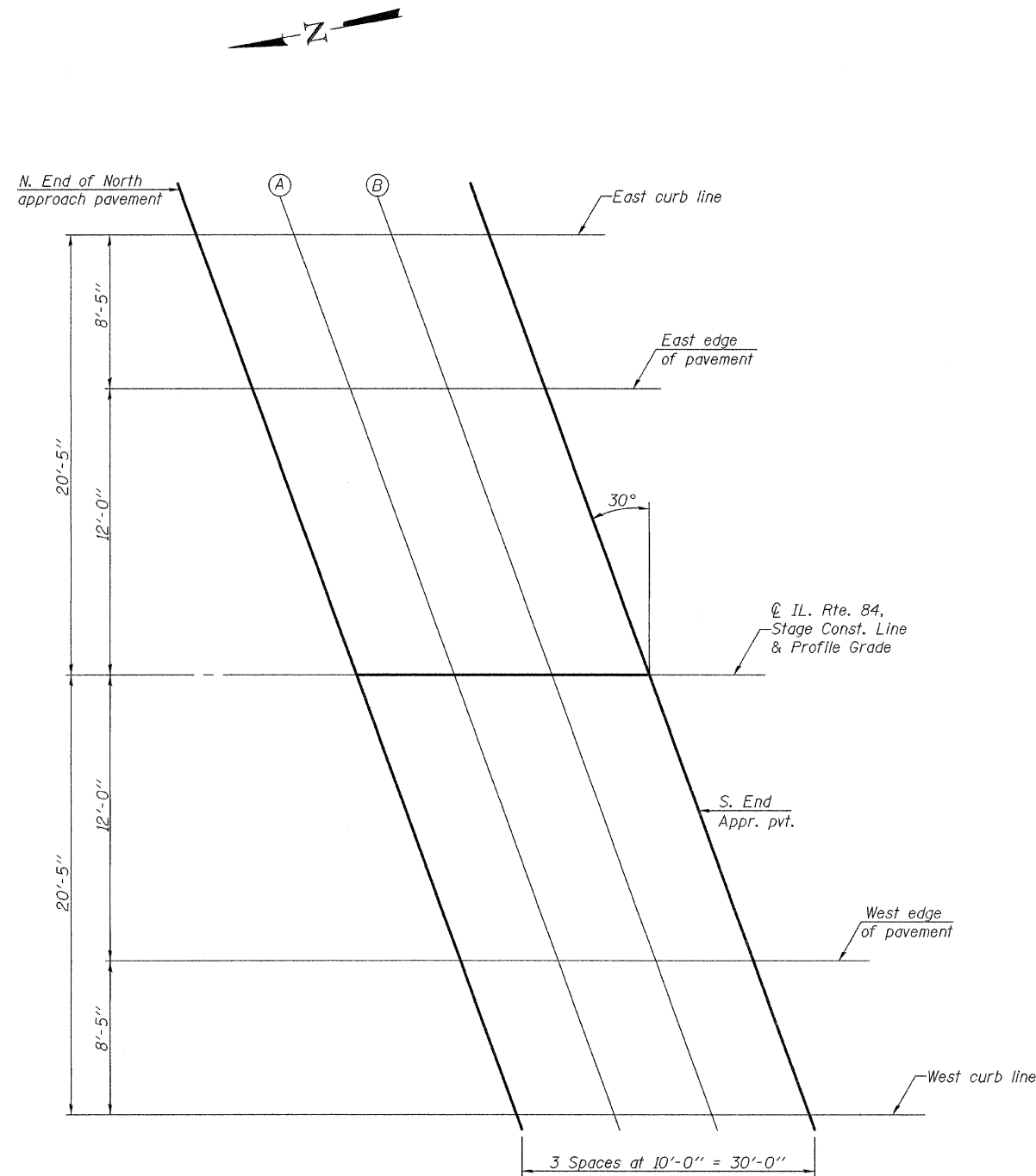
September 2, 2008
 EXAMINED *Thomas J. Domagala*
 PRINCIPAL ENGINEER OF BRIDGE DESIGN
 PASSED *Ralph E. Carls*
 ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
 F.A.P. ROUTE 308 - SECTION 109BR-5
 WHITESIDE COUNTY
 STATION 344+76.69
 STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
FAP 308	109BR-5	WHITESIDE	83	41	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #64C25



PLAN

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	343+82.98	-20.42	590.15
A	343+92.98	-20.42	590.11
B	344+02.98	-20.42	590.06
S. End of N. Appr. Pav't.	344+12.98	-20.42	590.01

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	343+87.84	-12.00	590.31
A	343+97.84	-12.00	590.26
B	344+07.84	-12.00	590.21
S. End of N. Appr. Pav't.	344+17.84	-12.00	590.16

☉ ROADWAY, P.G. & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	343+94.77	0.00	590.46
A	344+04.77	0.00	590.42
B	344+14.77	0.00	590.37
S. End of N. Appr. Pav't.	344+24.77	0.00	590.32

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	344+10.70	12.00	590.24
A	344+11.70	12.00	590.19
B	344+21.70	12.00	590.14
S. End of N. Appr. Pav't.	344+31.70	12.00	590.09

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	344+06.55	20.42	590.04
A	344+16.55	20.42	589.99
B	344+26.55	20.42	589.94
S. End of N. Appr. Pav't.	344+36.55	20.42	589.89

**NORTH APPROACH
TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114**

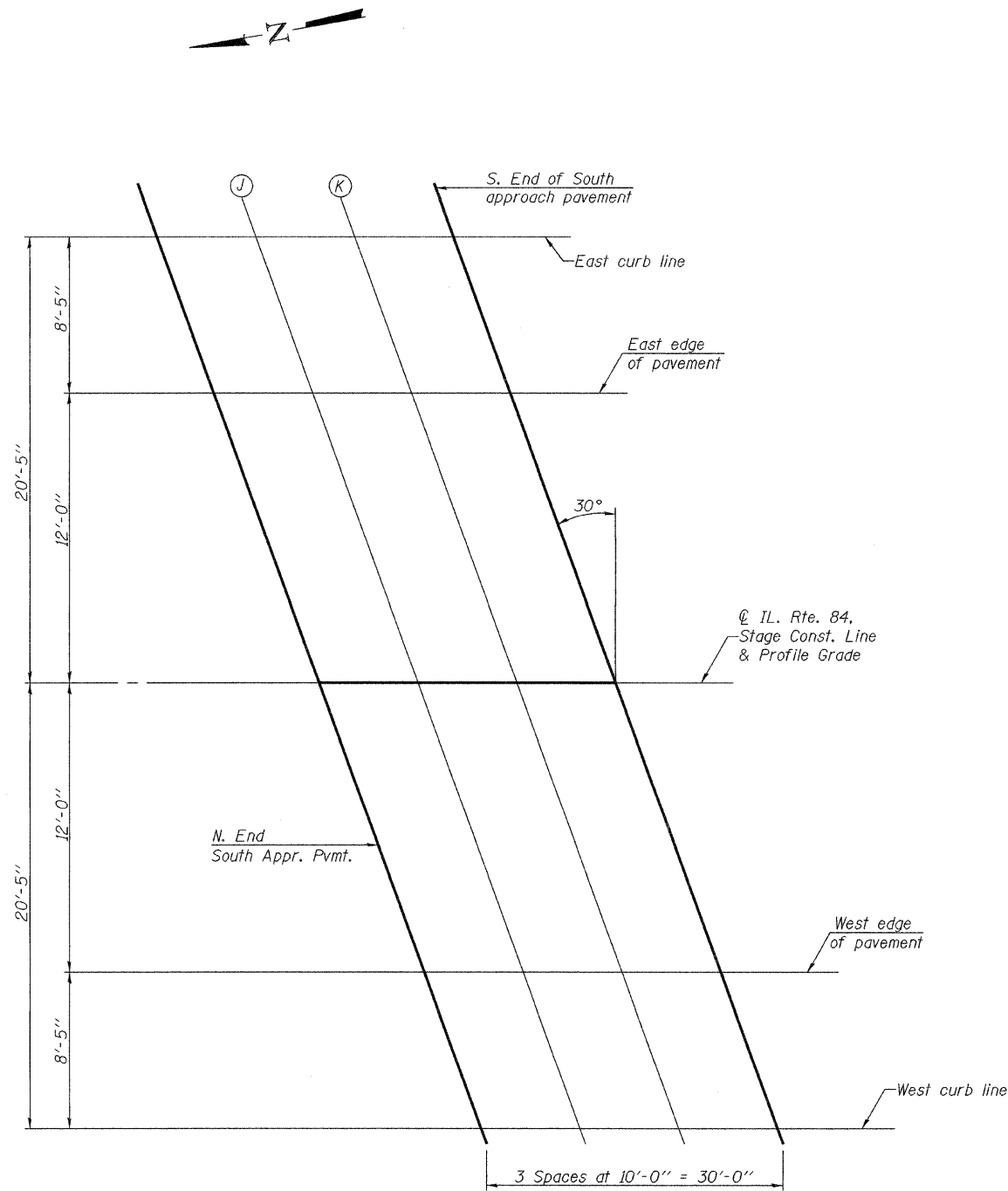
DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Demasalki*
PASSED *Ronald E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8
FAP 308	109BR-5	WHITESIDE	83	42	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT		

Contract #64C25



PLAN

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	345+16.83	-20.42	589.49
J	345+26.83	-20.42	589.44
K	345+36.83	-20.42	589.39
S. End of S. Appr. Pav't.	345+46.83	-20.42	589.34

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	345+21.68	-12.00	589.64
J	345+31.68	-12.00	589.59
K	345+41.68	-12.00	589.54
S. End of S. Appr. Pav't.	345+51.68	-12.00	589.49

☉ ROADWAY, P.G. & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	345+28.61	0.00	589.80
J	345+38.61	0.00	589.75
K	345+48.61	0.00	589.70
S. End of S. Appr. Pav't.	345+58.61	0.00	589.65

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	345+35.54	12.00	589.57
J	345+45.54	12.00	589.52
K	345+55.54	12.00	589.47
S. End of S. Appr. Pav't.	345+65.54	12.00	589.42

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	345+40.40	20.42	589.38
J	345+50.40	20.42	589.33
K	345+60.40	20.42	589.28
S. End of S. Appr. Pav't.	345+70.40	20.42	589.23

**SOUTH APPROACH
TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114**

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

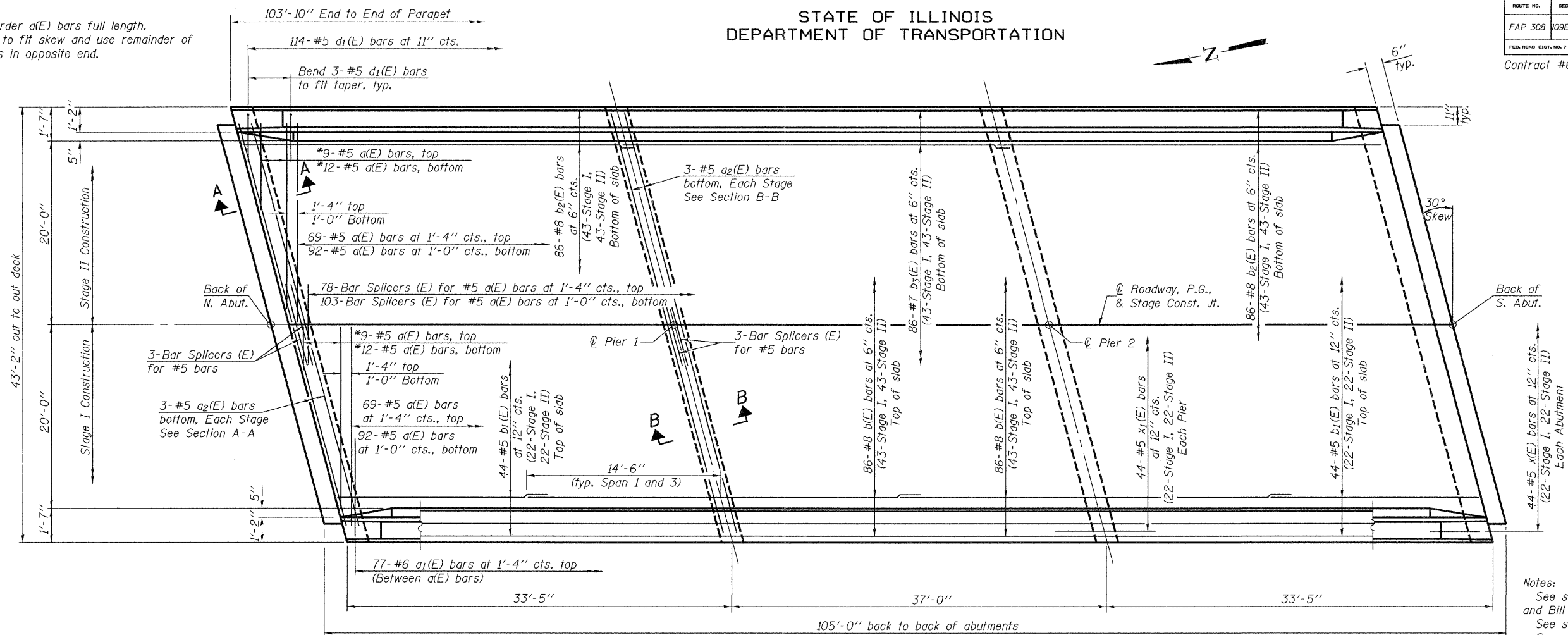
September 2, 2008
EXAMINED *Thomas J. Demagaleki*
PRINCIPAL ENGINEER OF CIVIL DESIGN
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9 19 SHEETS
FAP 308	109BR-5	WHITESIDE	83	43	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #64C25

* Order a(E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.

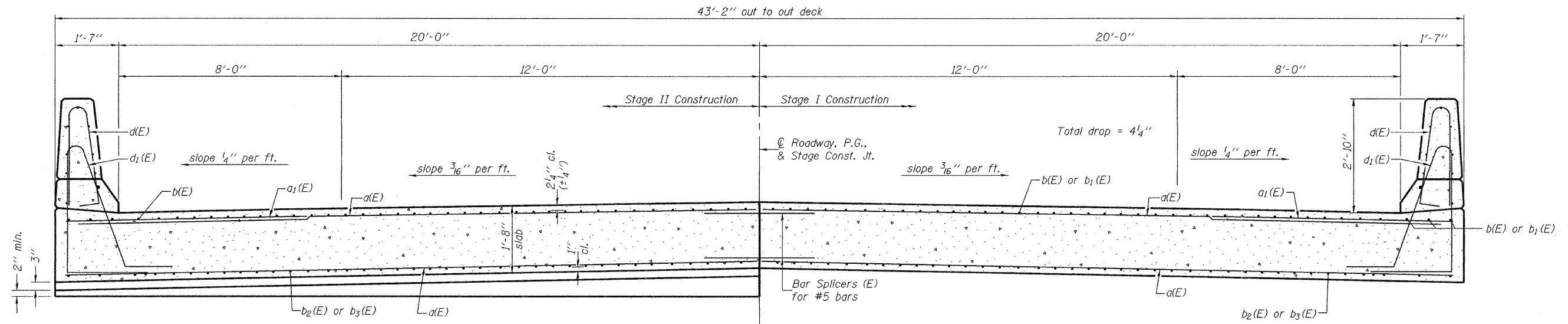


Notes:
See sheet 10 of 19 for superstructure details and Bill of Material.
See sheet 10 of 19 for parapet reinforcement.
See sheet 10 of 19 for Sections A-A and B-B.

MIN. BAR LAPS

#5 bars = 1'-10"
#8 bars = 3'-5"

PLAN



CROSS SECTION
(Looking South)

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	DECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Domagala*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

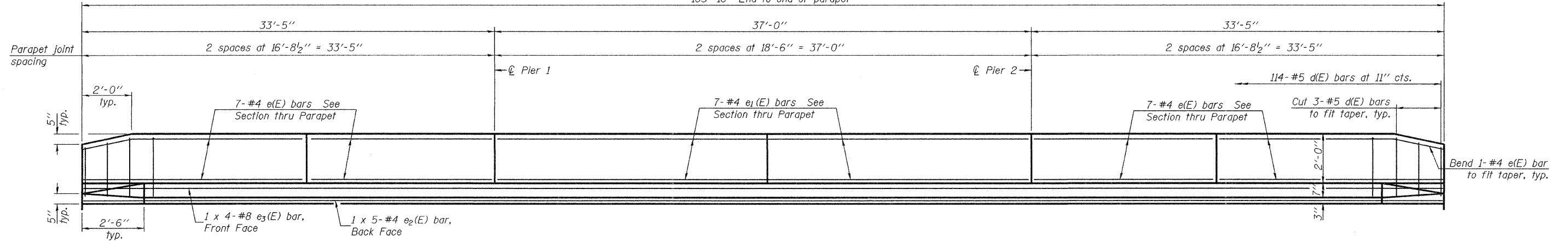
SUPERSTRUCTURE
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 10
FAP 308	109BR-5	WHITESIDE	83	44	19 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	

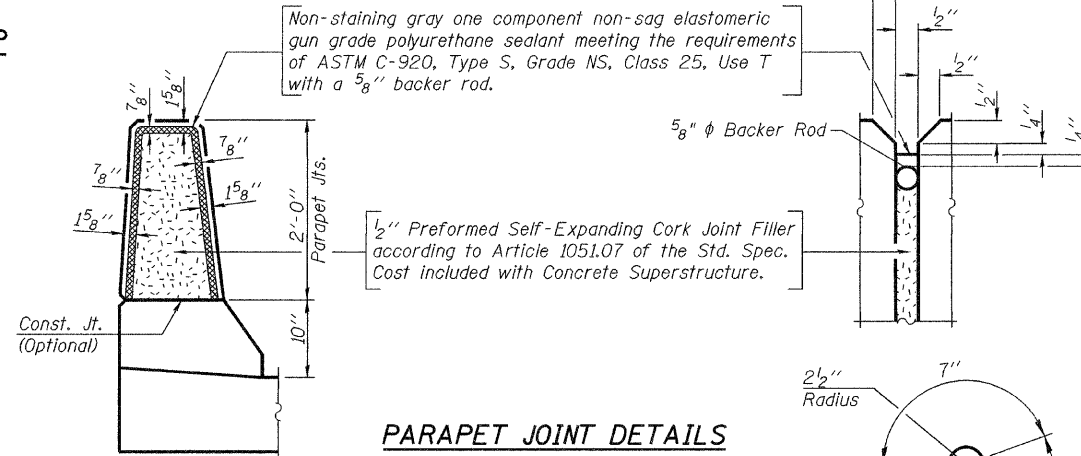
Contract #64C25

103'-10" End to end of parapet



INSIDE ELEVATION OF PARAPET

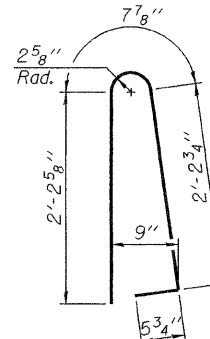
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, Use T with a 5/8" backer rod.



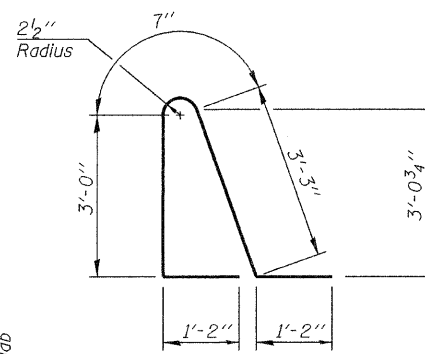
PARAPET JOINT DETAILS

1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.

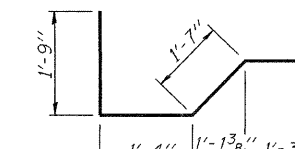
BAR b2(E)



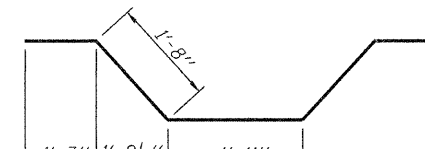
BAR d(E)



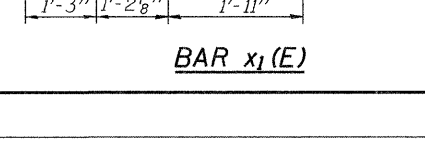
BAR d1(E)



BAR x(E)



BAR x1(E)



SUPERSTRUCTURE
BILL OF MATERIAL

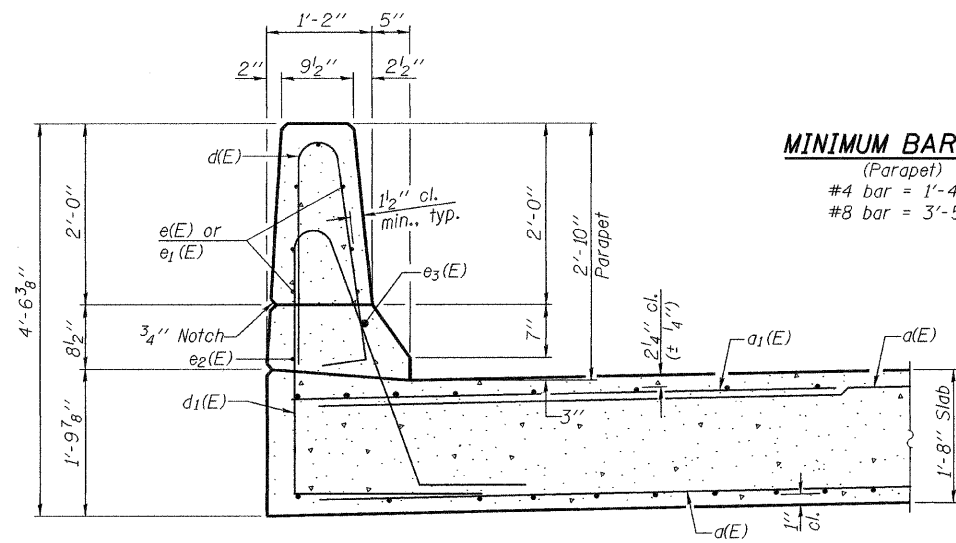
Bar	No.	Size	Length	Shape
a(E)	364	#5	21'-3"	—
a1(E)	154	#6	6'-0"	—
a2(E)	24	#5	24'-6"	—
b(E)	172	#8	34'-9"	—
b1(E)	88	#5	20'-8"	—
b2(E)	172	#8	34'-8"	—
b3(E)	86	#7	38'-0"	—
d(E)	228	#5	5'-7"	—
d1(E)	228	#5	9'-2"	—
e(E)	56	#4	16'-5"	—
e1(E)	28	#4	18'-2"	—
e2(E)	10	#4	21'-10"	—
e3(E)	8	#8	28'-6"	—
x(E)	88	#5	5'-11"	—
x1(E)	88	#5	7'-9"	—
Reinforcement Bars, Epoxy Coated			Pound	57,000
Concrete Superstructure			Cu. Yds.	310.4

Bars indicated thus 1 x 4 - #8 etc. Indicates 1 line of bars with 4 lengths per line.

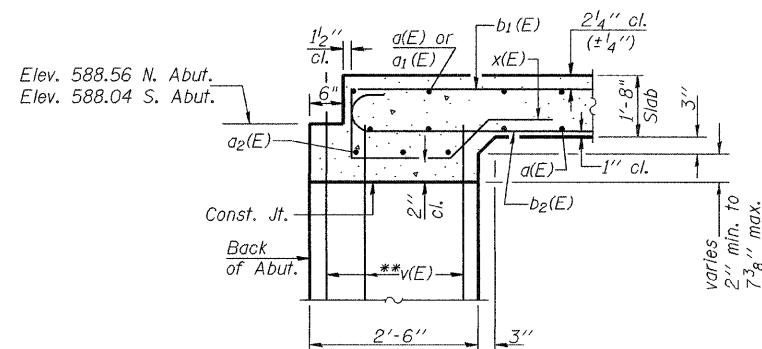
SUPERSTRUCTURE DETAILS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

MINIMUM BAR LAP

(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"

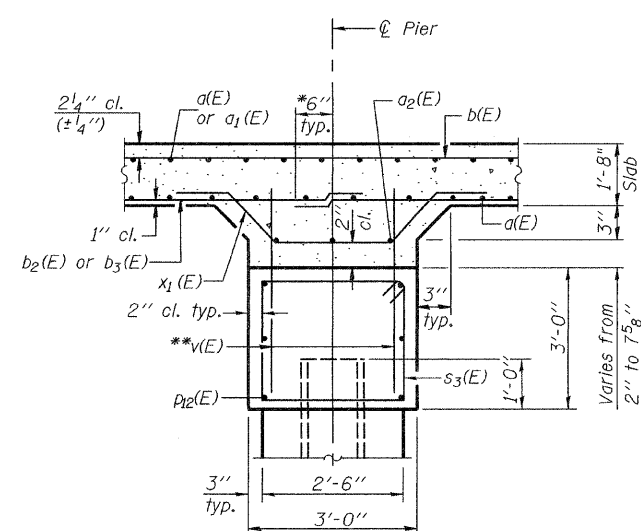


SECTION THRU PARAPET



SECTION A-A

**v(E) bars billed with abutments.
Horizontal Dimensions @ Rt. L's to Abutments.



SECTION B-B

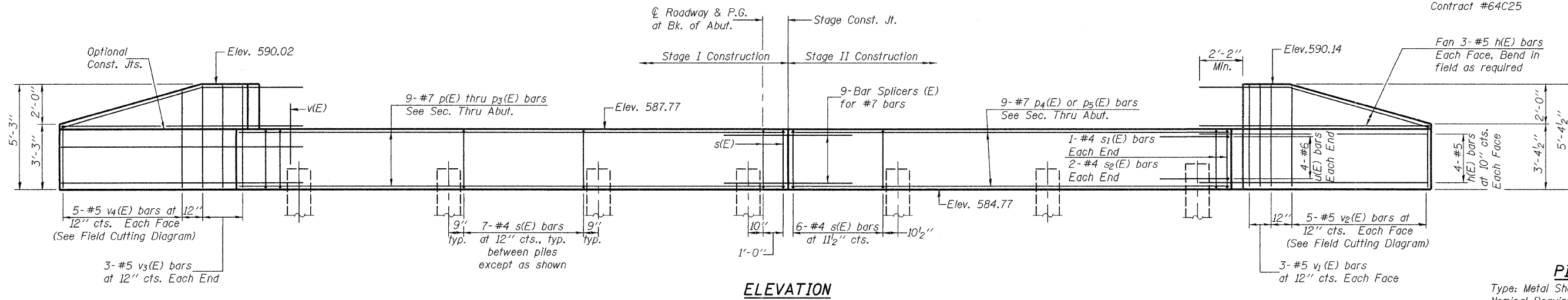
*Measured along @ Roadway
**v(E) bars billed with piers.
Horizontal Dimensions @ Rt. L's to Pier

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Domagalak*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

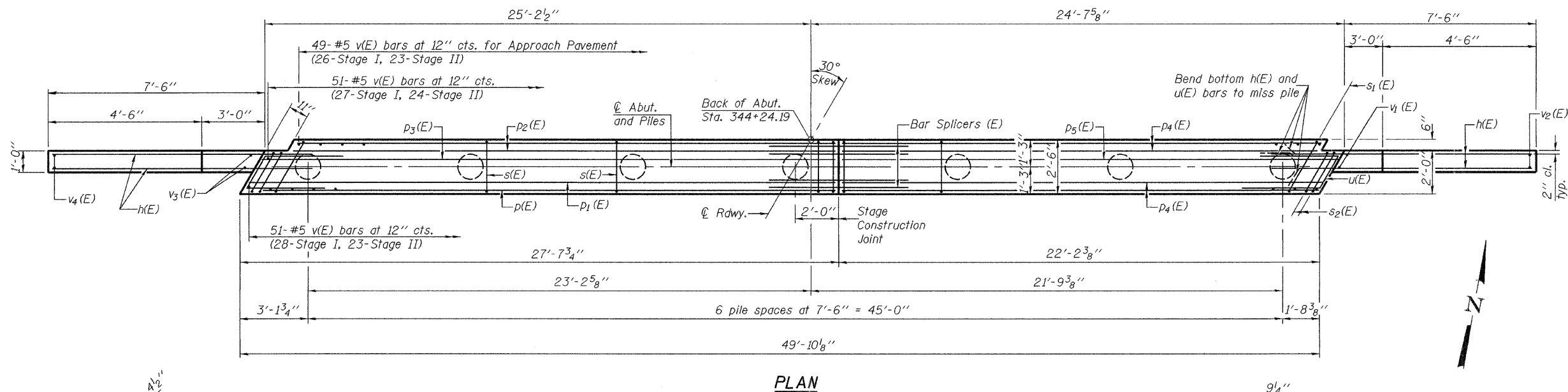
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11 19 SHEETS
FAP 308	109BR-5	WHITESIDE	83	45	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract #64C25		



PILE DATA

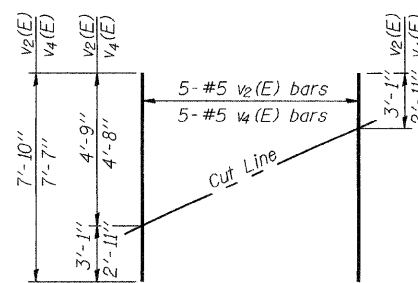
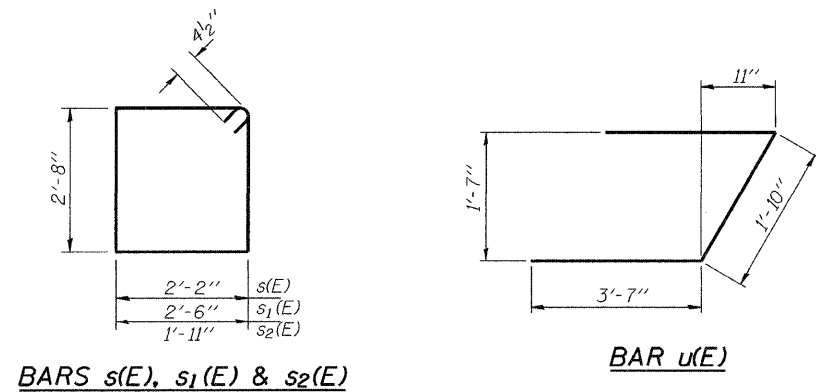
Type: Metal Shell 14" x 0.312"
Nominal Required Bearing: 270 kips
Factored Resistance Available: 135 kips
Est. Length: 48 ft.
No. Production Piles: 7
No. Test Piles: 0



BILL OF MATERIAL

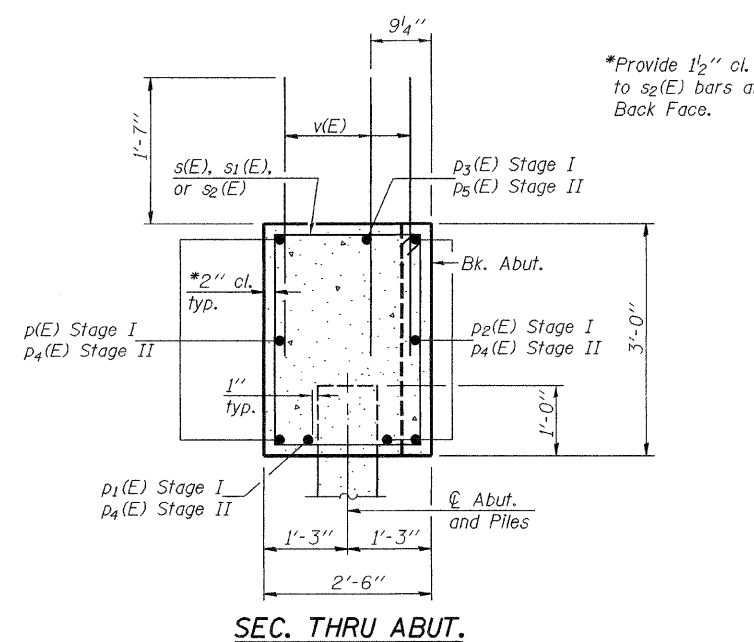
Bar	No.	Size	Length	Shape
h(E)	28	#5	10'-0"	—
p(E)	3	#7	27'-2"	—
p1(E)	1	#7	26'-11"	—
p2(E)	4	#7	24'-11"	—
p3(E)	1	#7	26'-4"	—
p4(E)	8	#7	22'-0"	—
p5(E)	1	#7	22'-9"	—
s(E)	43	#4	10'-5"	□
s1(E)	2	#4	11'-1"	□
s2(E)	4	#4	9'-11"	□
u(E)	8	#6	9'-0"	└
v(E)	151	#5	3'-2"	—
v1(E)	6	#5	4'-11"	—
v2(E)	5	#5	7'-10"	—
v3(E)	6	#5	4'-10"	—
v4(E)	5	#5	7'-7"	—
Structure Excavation	Cu. Yd.	61		
Concrete Structures	Cu. Yd.	16.4		
Reinforcement Bars, Epoxy Coated	Pound	2,270		
Furnishing Metal Shell Piles 14"x0.312"	Foot	336		
Driving Piles	Foot	336		

For details of Bar Splicers, see sheet 16 of 19.
For details of piles, see sheet 15 of 19.



FIELD CUTTING DIAGRAM

Order v2(E) and v4(E) full length.
Cut as shown and use remainder of bars in opposite face.



*Provide 1/2" cl. to s2(E) bars at Back Face.

NORTH ABUTMENT
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

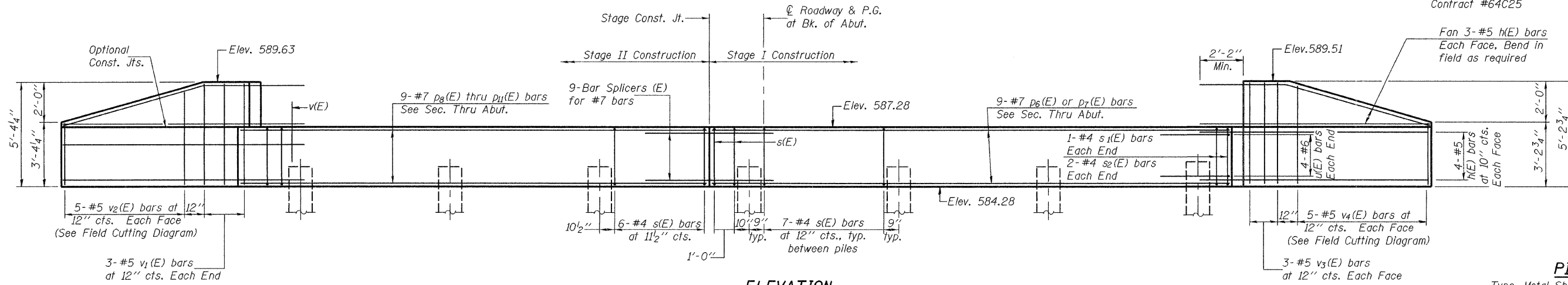
DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Domagala*
ENGINEER OF BRIDGE DESIGN
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

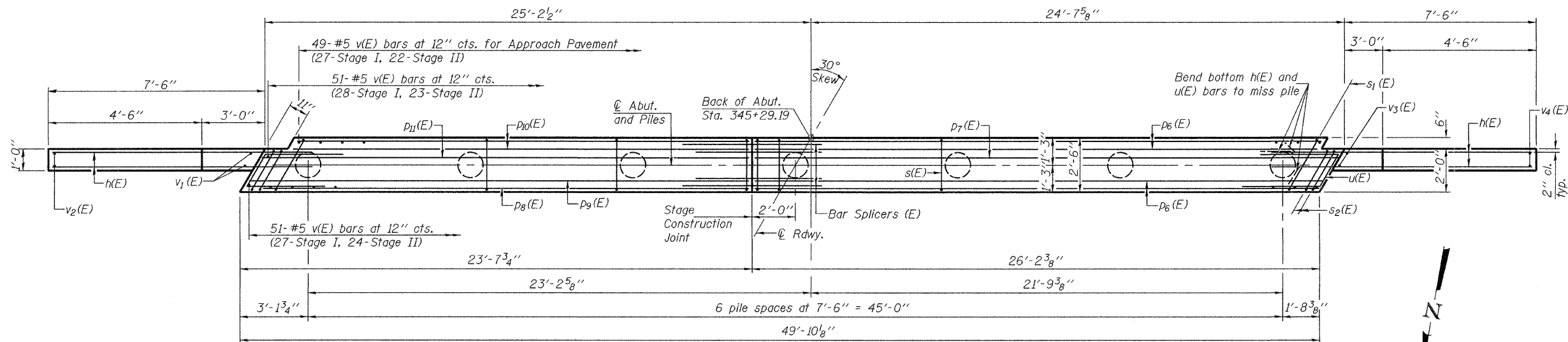
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12
FAP 308	109BR-5	WHITESIDE	83	46	19 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #64C25



PILE DATA

Type: Metal Shell 14" x 0.312"
Nominal Required Bearing: 270 kips
Factored Resistance Available: 135 kips
Est. Length: 43 ft.
No. Production Piles: 6
No. Test Piles: 1

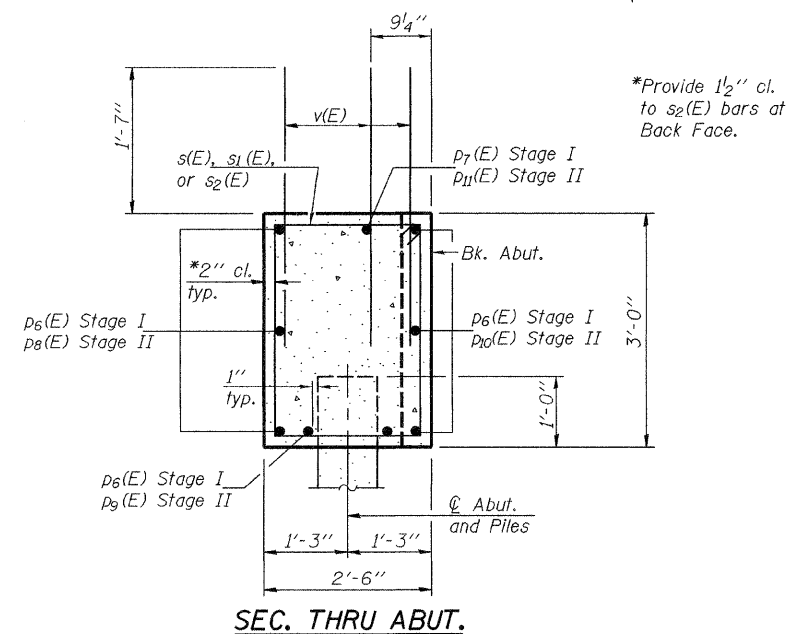
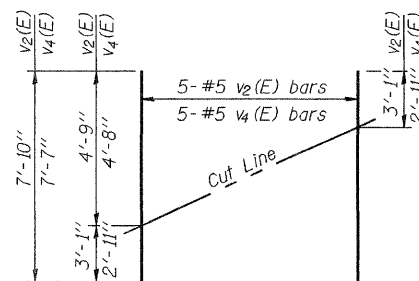
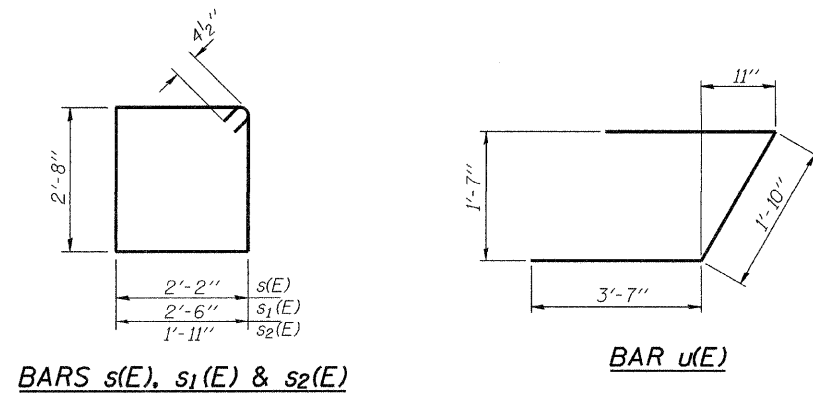


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h(E)$	28	#5	10'-0"	—
$p_6(E)$	8	#7	26'-0"	—
$p_7(E)$	1	#7	26'-9"	—
$p_8(E)$	3	#7	23'-1"	—
$p_9(E)$	1	#7	22'-11"	—
$p_{10}(E)$	4	#7	20'-11"	—
$p_{11}(E)$	1	#7	22'-3"	—
$s(E)$	43	#4	10'-5"	□
$s_1(E)$	2	#4	11'-1"	□
$s_2(E)$	4	#4	9'-11"	□
$u(E)$	8	#6	9'-0"	┌
$v(E)$	151	#5	3'-2"	—
$v_1(E)$	6	#5	4'-11"	—
$v_2(E)$	5	#5	7'-10"	—
$v_3(E)$	6	#5	4'-10"	—
$v_4(E)$	5	#5	7'-7"	—
Structure Excavation			Cu. Yd.	61
Concrete Structures			Cu. Yd.	16.3
Reinforcement Bars, Epoxy Coated			Pound	2,270
Furnishing Metal Shell Piles 14"x0.312"			Foot	258
Driving Piles			Foot	258
Test Pile Metal Shells			Each	1

For details of Bar Splicers, see sheet 16 of 19.
For details of piles, see sheet 15 of 19.

SOUTH ABUTMENT
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114



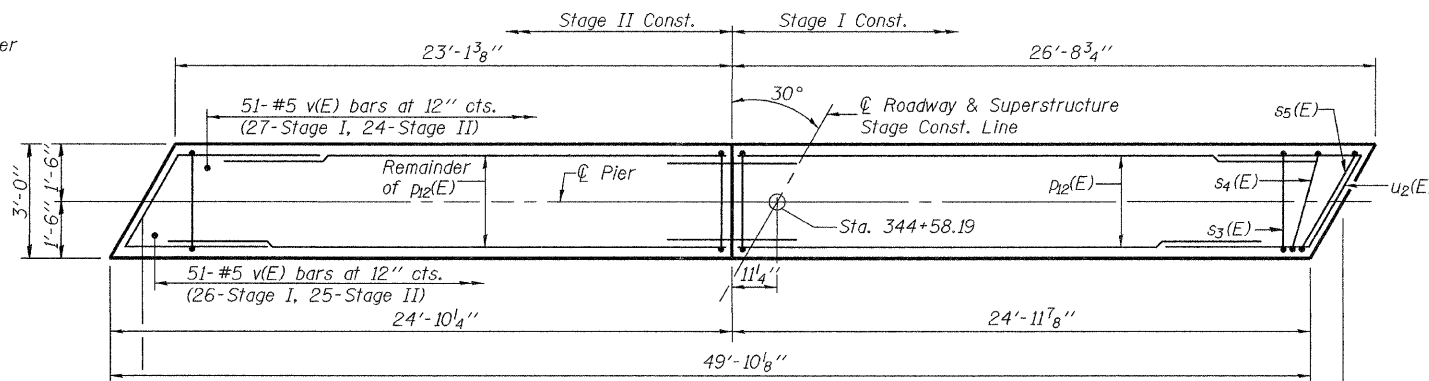
DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Donagale*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

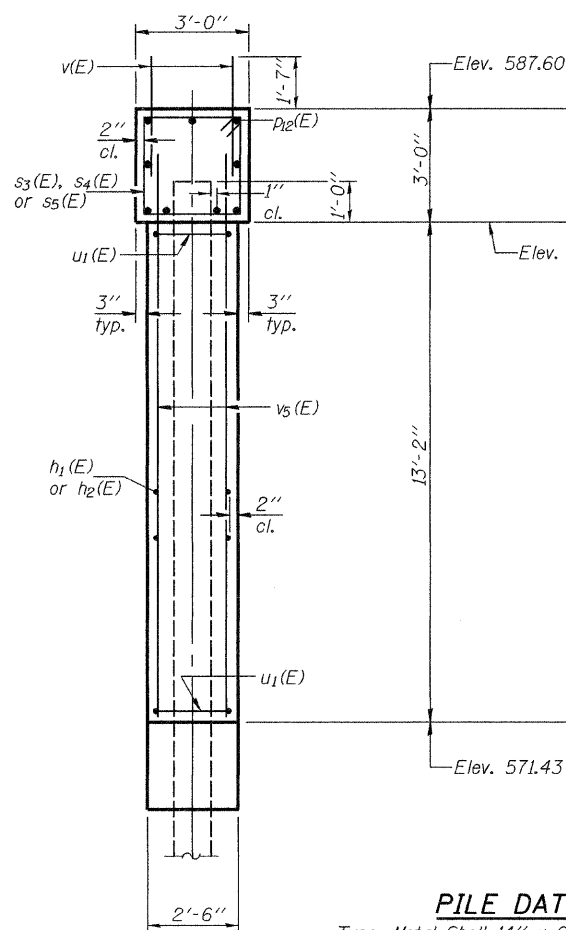
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13 19 SHEETS
FAP 308	109BR-5	WHITESIDE	83	47	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract #64C25		

Note:
Pier piles shall be driven to a tip elevation of at least 542.5 regardless of the attainment of Nominal Required Bearing.
For details of piles, see sheet 15 of 19.
For Bar Splicer Assembly details, see sheet 16 of 19.
If a portion of the pier wall 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.



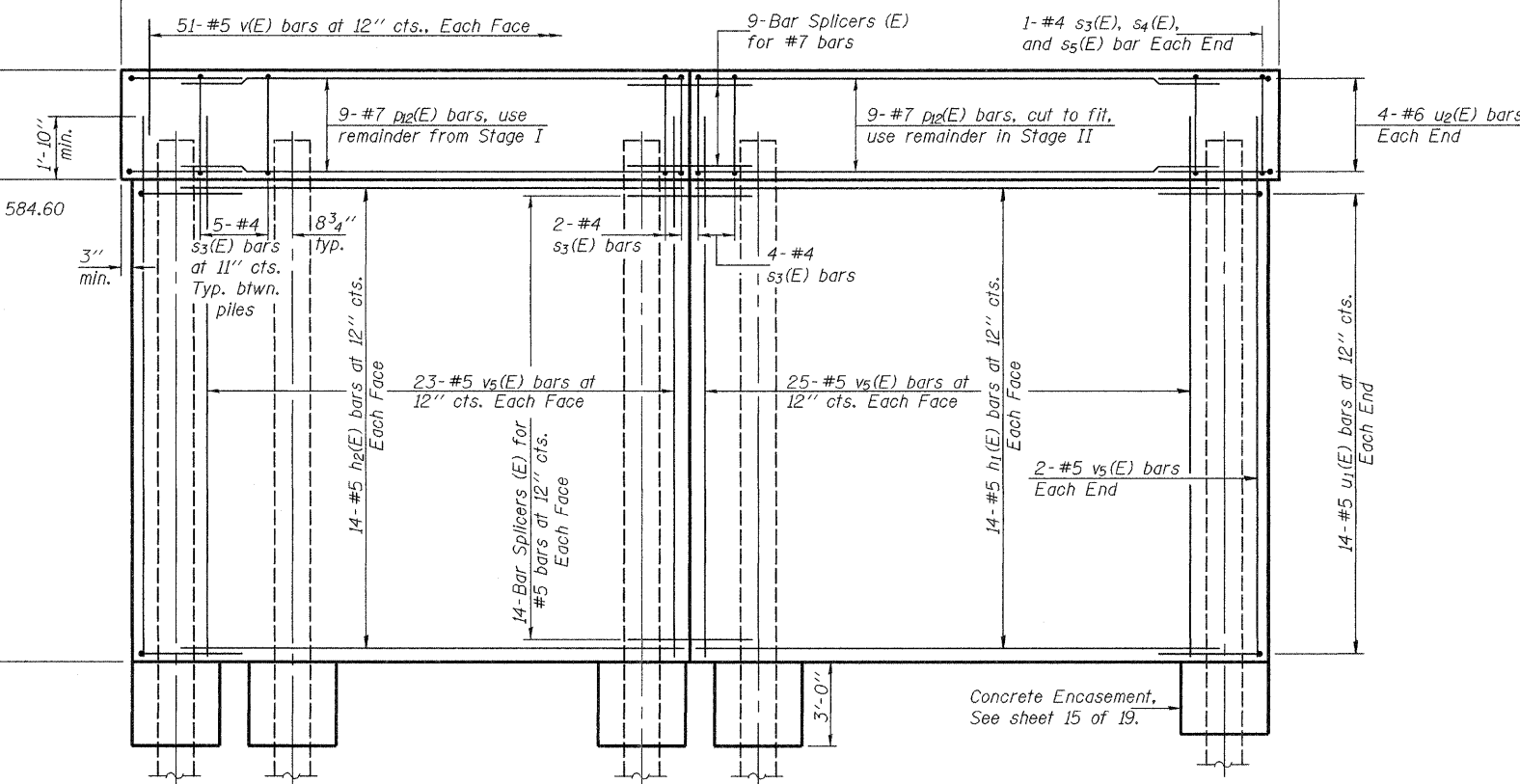
TOP PLAN



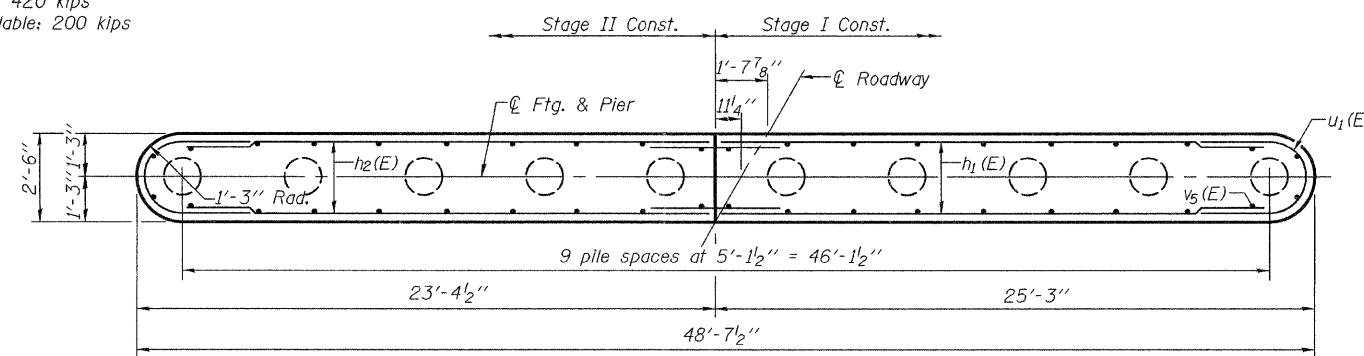
END VIEW

PILE DATA

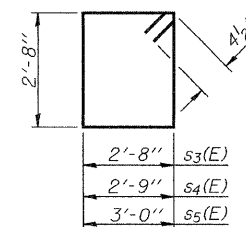
Type: Metal Shell 14" x 0.312"
Nominal Required Bearing: 420 kips
Factored Resistance Available: 200 kips
Est. Length: 67 ft.
No. Production Piles: 9
No. Test Piles: 1



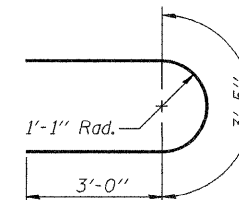
ELEVATION
(Looking South)



FOOTING PLAN



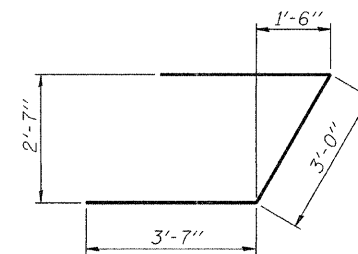
BAR s3(E), s4(E), and s5(E)



BARS u1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	28	#5	23'-10"	—
h2(E)	28	#5	22'-0"	—
p2(E)	9	#7	49'-1"	—
s3(E)	48	#4	11'-5"	□
s4(E)	2	#4	11'-7"	□
s5(E)	2	#4	12'-1"	□
u1(E)	28	#5	9'-5"	U
u2(E)	8	#6	10'-2"	U
v(E)	102	#5	3'-2"	—
v5(E)	100	#5	15'-0"	—
Structure Excavation		Cu. Yd.	13	
Concrete Structures		Cu. Yd.	75.2	
Reinforcement Bars, Epoxy Coated		Pound	4,940	
Furnishing Metal Shell Piles 14"x0.312"		Foot	603	
Driving Piles		Foot	603	
Test Pile Metal Shells		Each	1	
Concrete Encasement		Cu. Yd.	5.5	
Underwater Structure Excavation Protection -Location 1		Each	1	



BAR u2(E)

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Domagala*
PASSED *Ralph E. Carls*
ENGINEER OF BRIDGES AND STRUCTURES

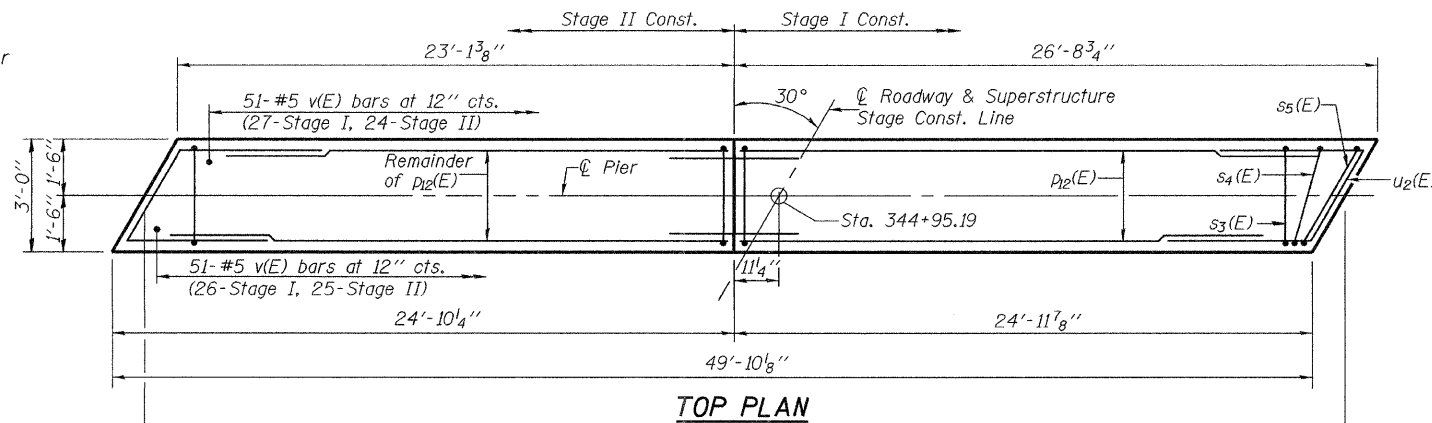
PIER 1
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

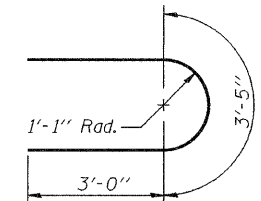
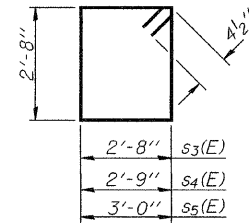
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14
FAP 308	109BR-5	WHITESIDE	83	48	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT		

Contract #64C25

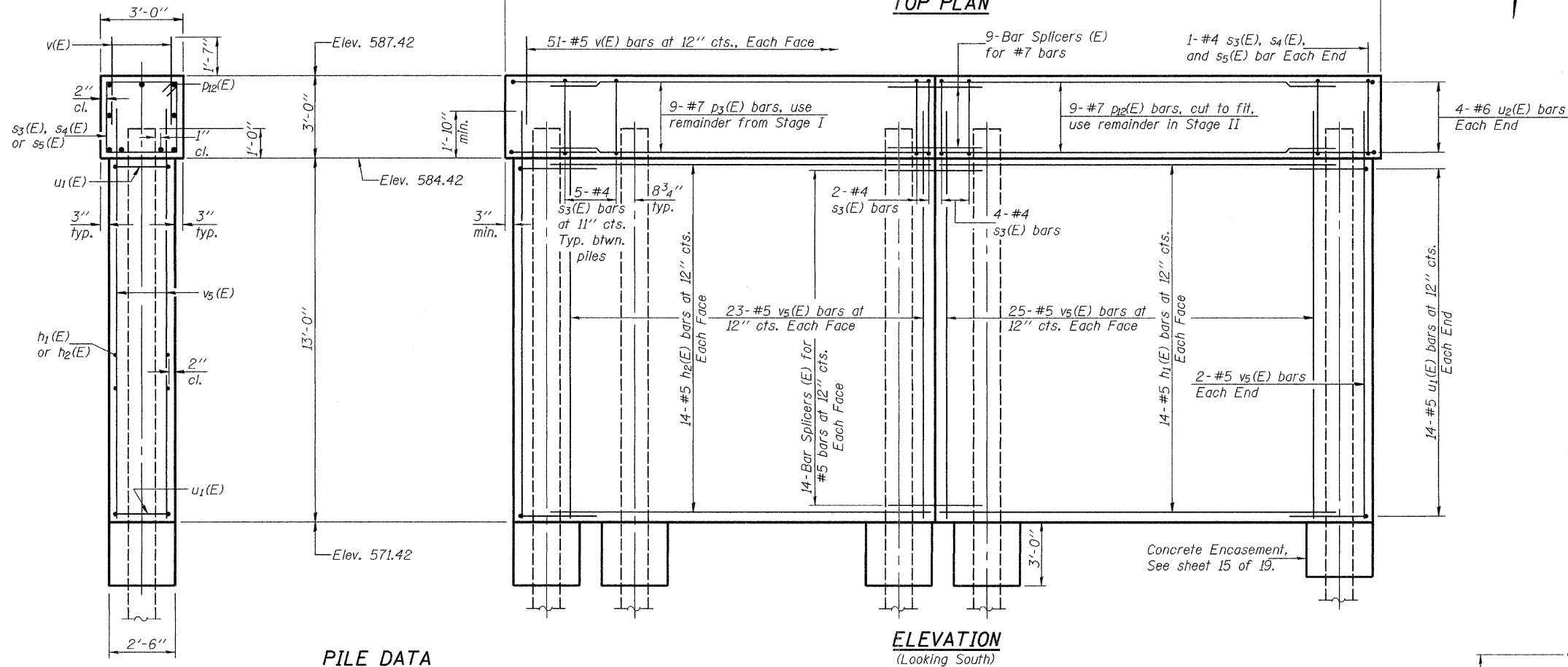
Note:
Pier piles shall be driven to a tip elevation of at least 542.5 regardless of the attainment of Nominal Required Bearing. For details of piles, see sheet 15 of 19.
For Bar Splicer Assembly details, see sheet 16 of 19.
If a portion of the pier wall or concrete encasement is under water, reinforcement 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.



BAR s3(E), s4(E), and s5(E)



BARS u1(E)

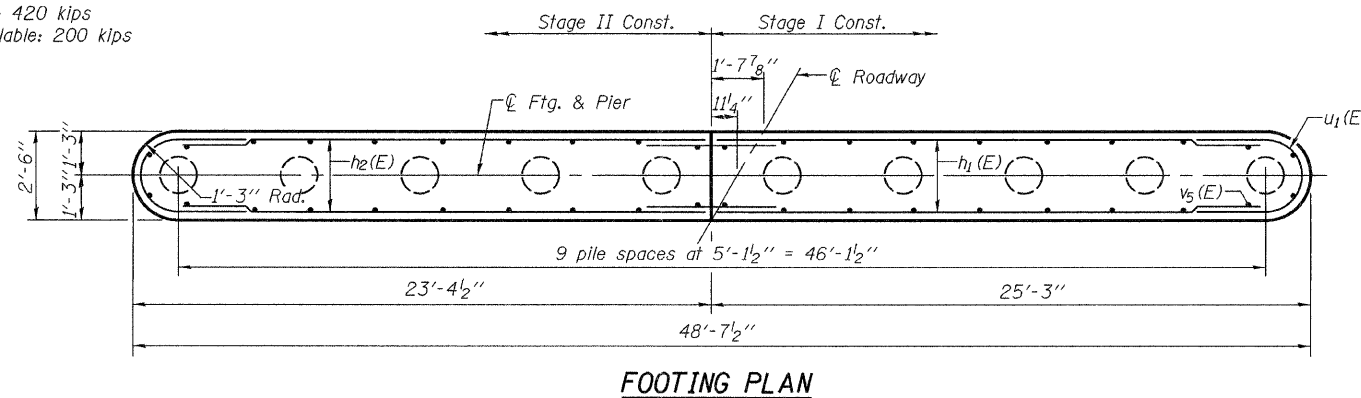


ELEVATION
(Looking South)

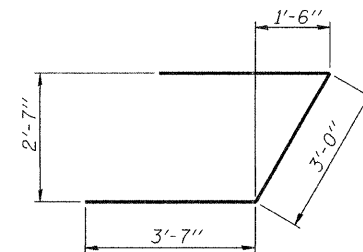
END VIEW

PILE DATA

Type: Metal Shell 14" x 0.312"
Nominal Required Bearing: 420 kips
Factored Resistance Available: 200 kips
Est. Length: 67 ft.
No. Production Piles: 10
No. Test Piles: 0



FOOTING PLAN



BAR u2(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	28	#5	23'-10"	—
h2(E)	28	#5	22'-0"	—
p2(E)	9	#7	49'-1"	—
s3(E)	48	#4	11'-5"	□
s4(E)	2	#4	11'-7"	□
s5(E)	2	#4	12'-1"	□
u1(E)	28	#5	9'-5"	U
u2(E)	8	#6	10'-2"	U
v(E)	102	#5	3'-2"	—
v5(E)	100	#5	15'-0"	—
Structure Excavation		Cu. Yd.	13	
Concrete Structures		Cu. Yd.	74.5	
Reinforcement Bars, Epoxy Coated		Pound	4,940	
Furnishing Metal Shell Piles 14"x0.312"		Foot	670	
Driving Piles		Foot	670	
Concrete Encasement		Cu. Yd.	5.5	
Underwater Structure Excavation Protection - Location 2		Each	1	

PIER 2
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

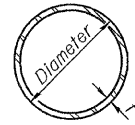
DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED *Thomas J. Donagale*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

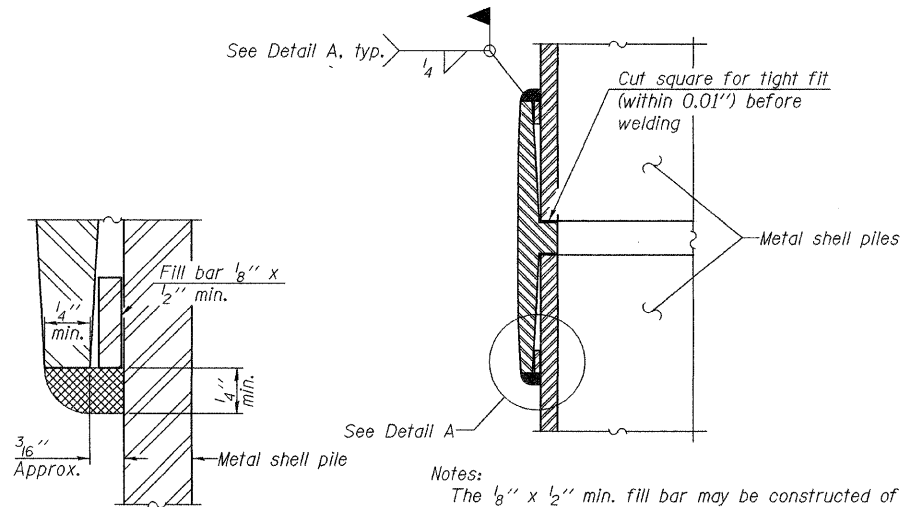
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15
FAP 308	109BR-5	WHITESIDE	83	49	19 SHEETS
FED. AID DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #64C25



METAL SHELL PILE TABLE

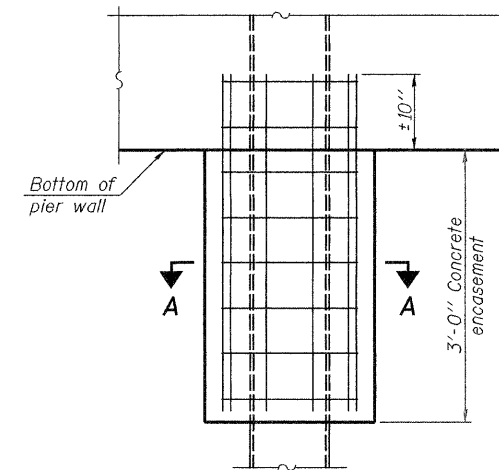
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



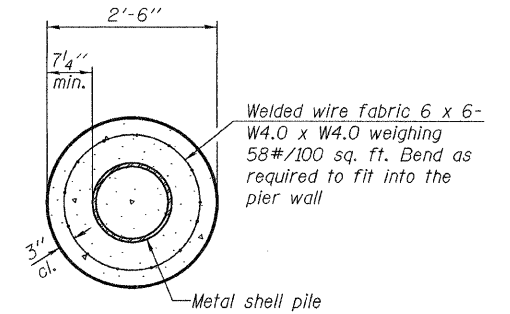
DETAIL A

Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



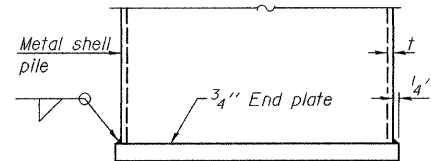
ELEVATION



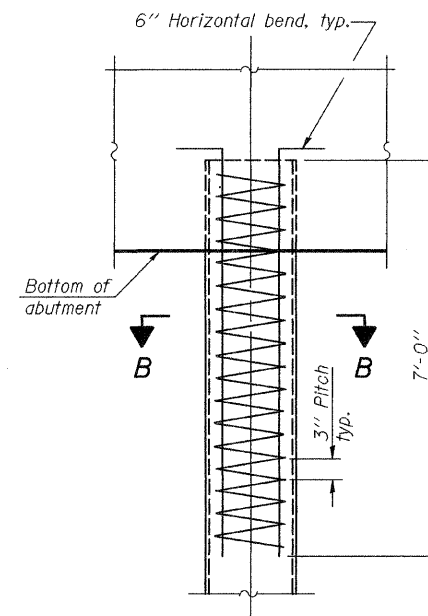
SECTION A-A

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

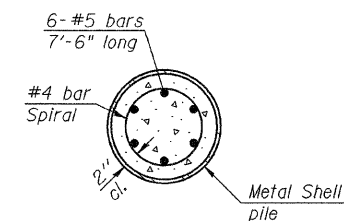
CONCRETE ENCASEMENT AT PIERS



END PLATE ATTACHMENT

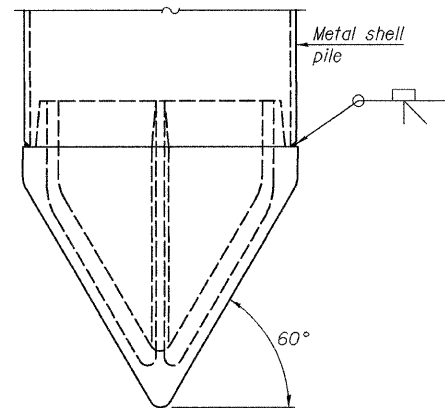


ELEVATION



SECTION B-B

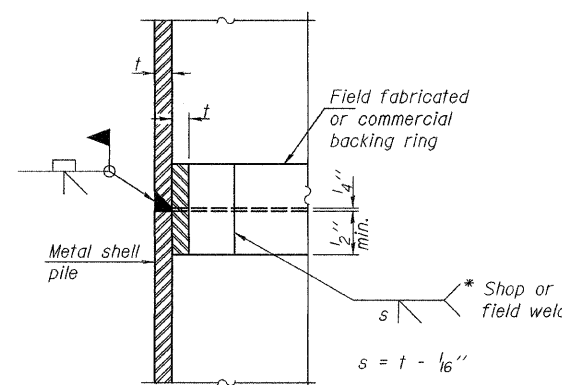
METAL SHELL REINFORCEMENT AT ABUTMENTS



METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

Note A:
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.



COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

Note: The metal shell piles shall be according to ASTM A 252 Grade 3.

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

EXAMINED	September 2, 2008
PASSED	Thomas J. Domagala ENGINEER OF BRIDGE DESIGN
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

F-MS 5-16-08

METAL SHELL PILE DETAILS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

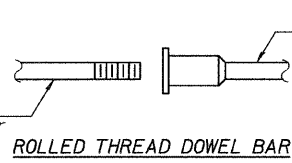
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16 19 SHEETS
FAP 308	109BR-5	WHITESIDE	83	50	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #64C25

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

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



ROLLED THREAD DOWEL BAR



** ONE PIECE

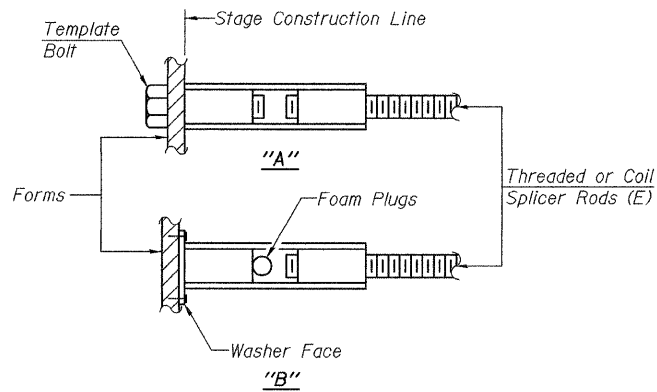
Wire Connector



WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

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



INSTALLATION AND SETTING METHODS

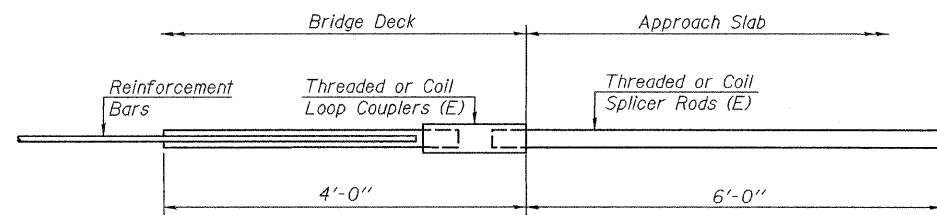
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

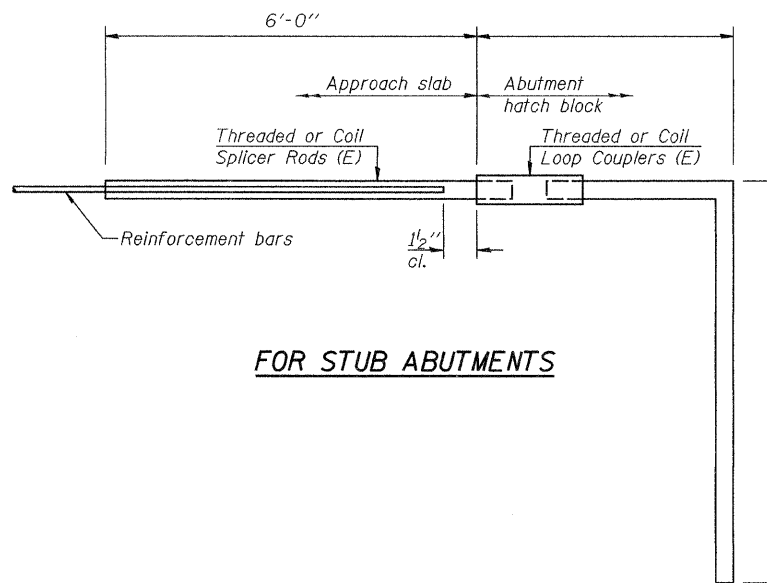
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the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

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

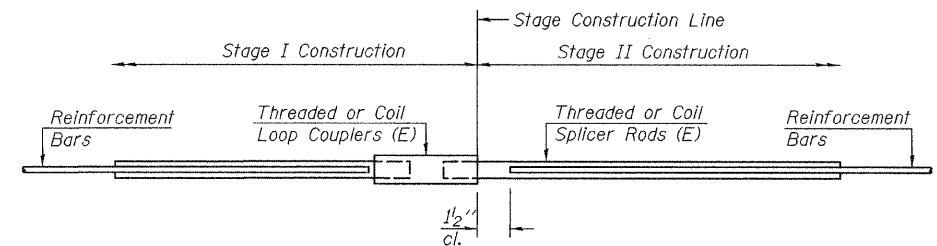
BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0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



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS



FOR STUB ABUTMENTS



STANDARD

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

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

Bar Size	No. Assemblies Required	Location
#5	193	Slab
#7	18	Abutments
#7	18	Pier Caps
#5	56	Pier Wall

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	DECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008

EXAMINED *Thomas J. Domagala*
PROFESSOR OF BRIDGE DESIGN

PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

BSD-1 5-16-08

BAR SPLICER ASSEMBLY DETAILS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

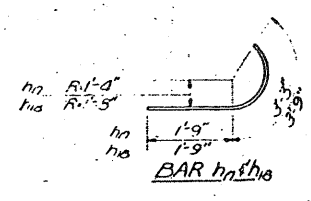
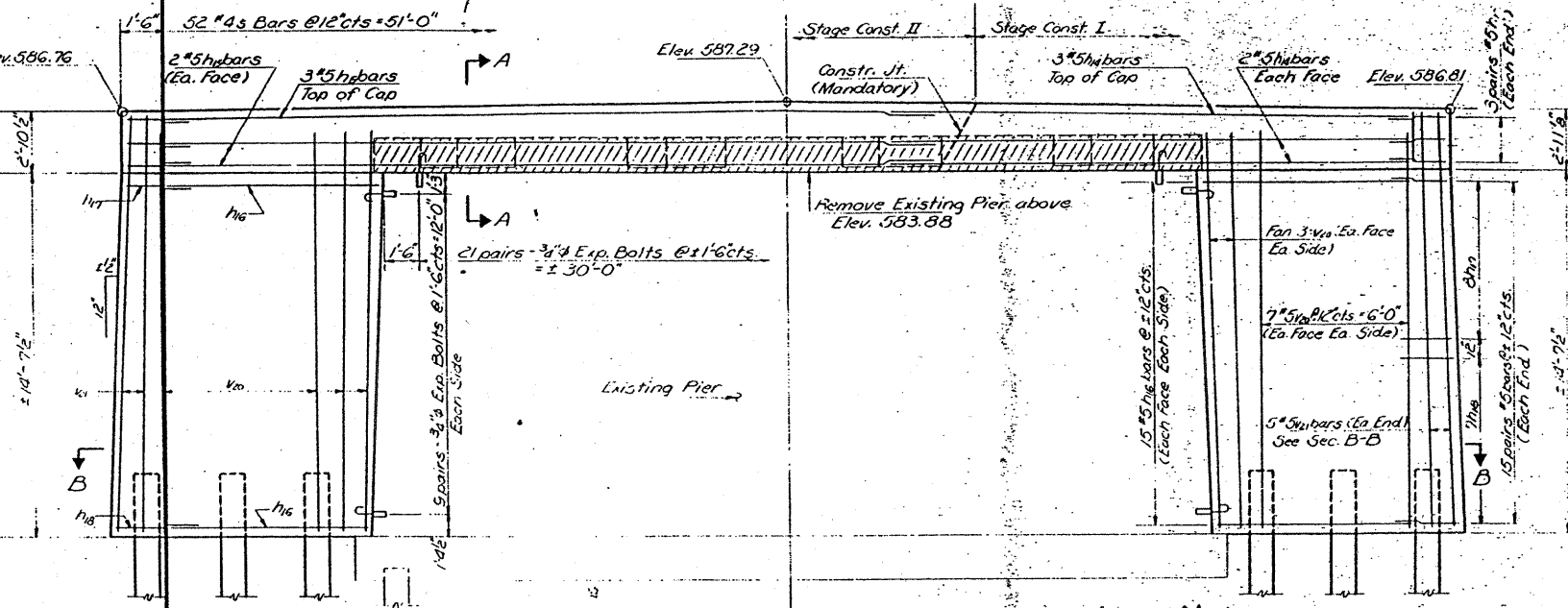
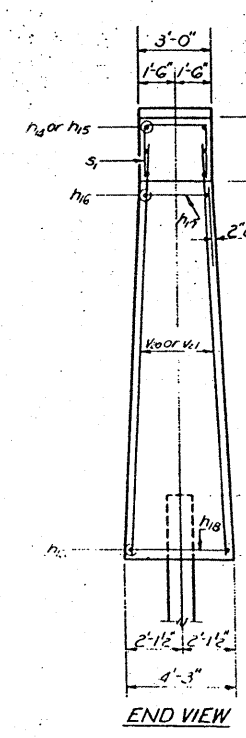
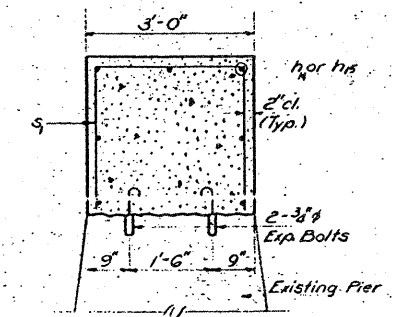
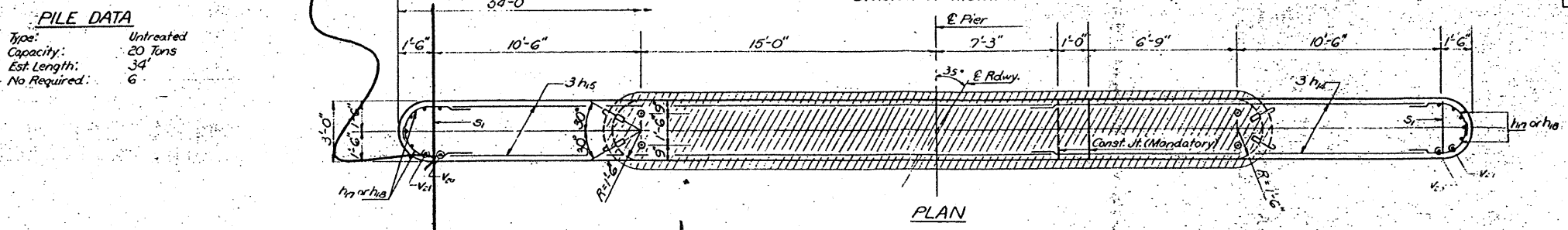
EXISTING STRUCTURE PLANS (FOR REFERENCE ONLY)

PILE DATA
 Type: Untreated
 Capacity: 20 Tons
 Est. Length: 34'
 No. Required: 6

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

DATE	PROJECT	COUNTY	SHEET NO.	SHEET OF
10/90	109BR	WHITESIDE	10	10
SHEET NO. 3				8 SHEETS

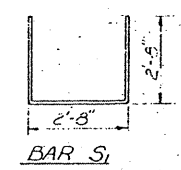
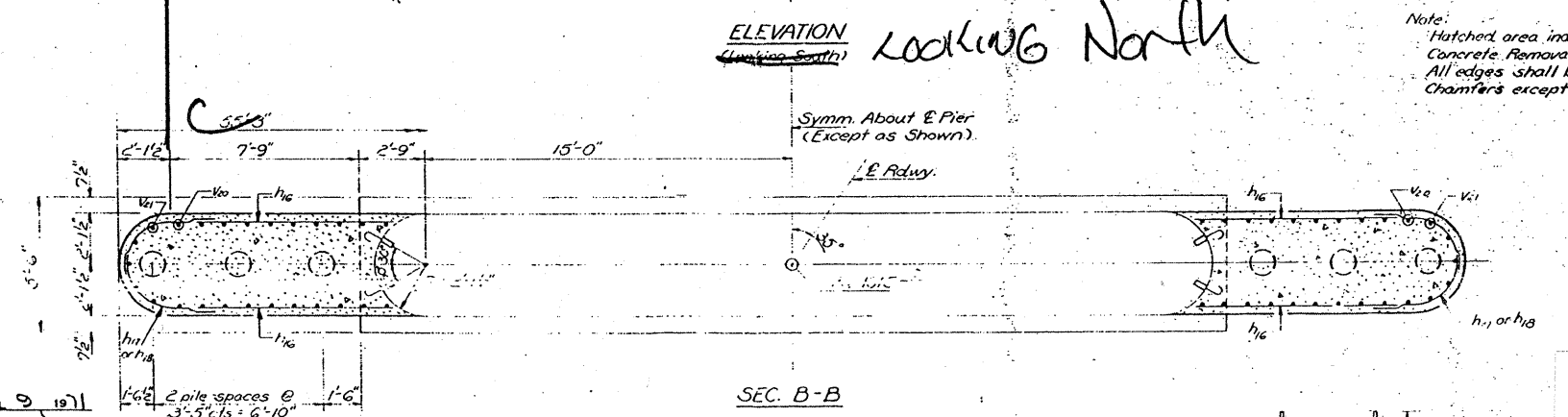
Ref Line C



BILL OF MATERIAL

Bar	No	Size	Length	Shape
#4	7	#4	19'-6"	U
#5	7	#5	32'-9"	U
#6	60	#6	9'-6"	U
#7	44	#7	5'-0"	U
#8	28	#8	5'-6"	U
S1	52	#4	8'-0"	U
V1	40	#5	16'-0"	U
V2	10	#5	17'-3"	U
Class A Concrete		Cu. Yds.	99.3	
Reinforcement Bars		Lbs.	2490	
Concrete Removal		Cu. Yds.	6	
Untreated Piles		Lin. Ft.	204	
Expansion Bolts 3/4"		EI	78	

Note: Hatched area indicates concrete removal. All edges shall be 3/4" chamfers except as shown.



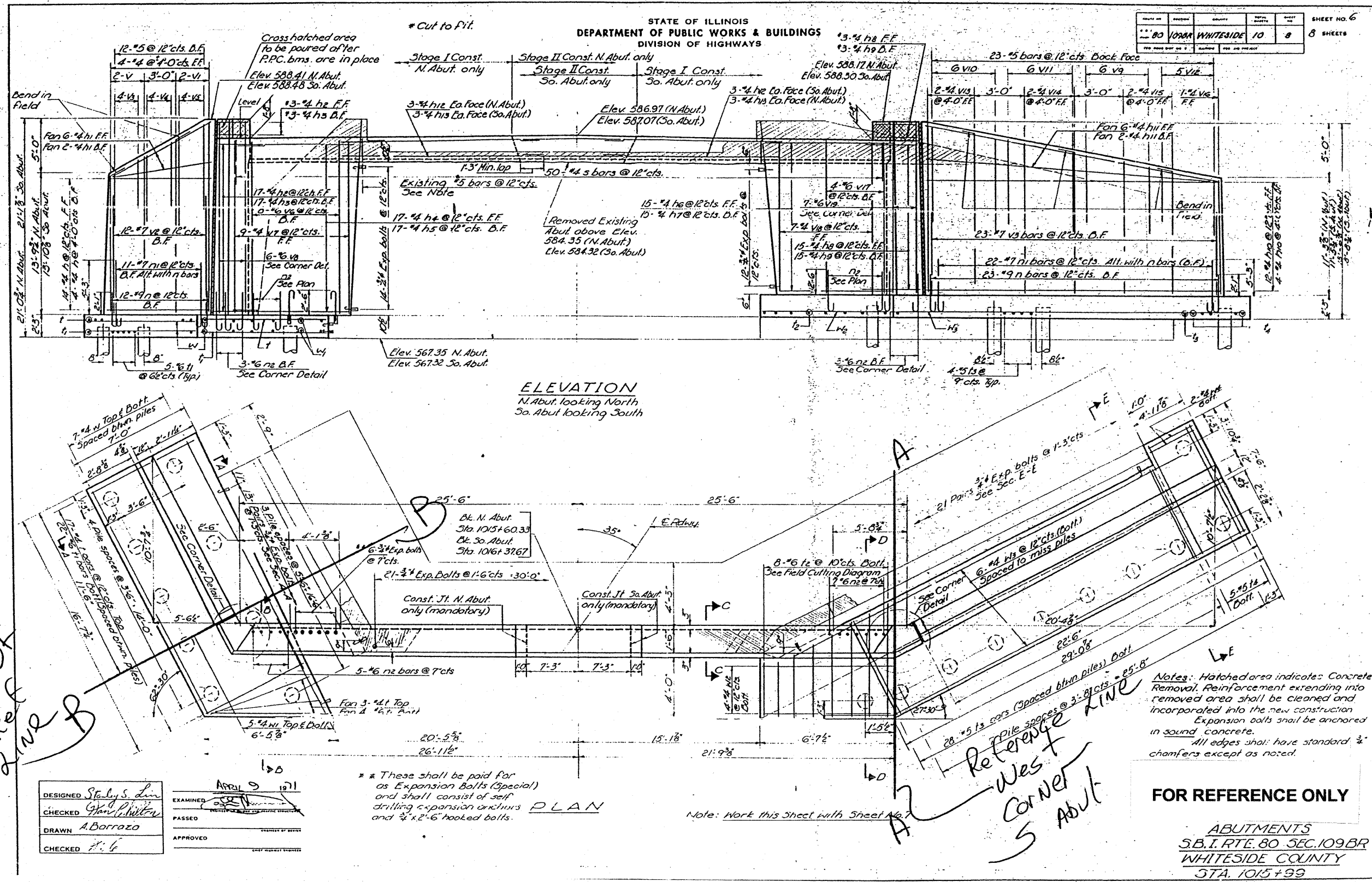
DESIGNED *Stanley S. Lin*
 CHECKED *Alan Coulter*
 DRAWN *J. Sutherland*
 CHECKED *JLL*

APPROVED *[Signature]*
 EXAMINED *[Signature]*
 PASSED
 APPROVED

FOR REFERENCE ONLY

PIER
 S.B.I. RT. 80 SEC. 109 BR
 WHITESIDE COUNTY
 STATION 1015+99

EXISTING STRUCTURE PLANS (FOR REFERENCE ONLY)



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	SHEET NO.	SHEETS
80	109BR	WHITESIDE	10	8

DESIGNED	APR 9 1971
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	DATE

* * These shall be paid for as Expansion Bolts (Special) and shall consist of self drilling expansion anchors and 3/4" x 2'-6" hooked bolts.

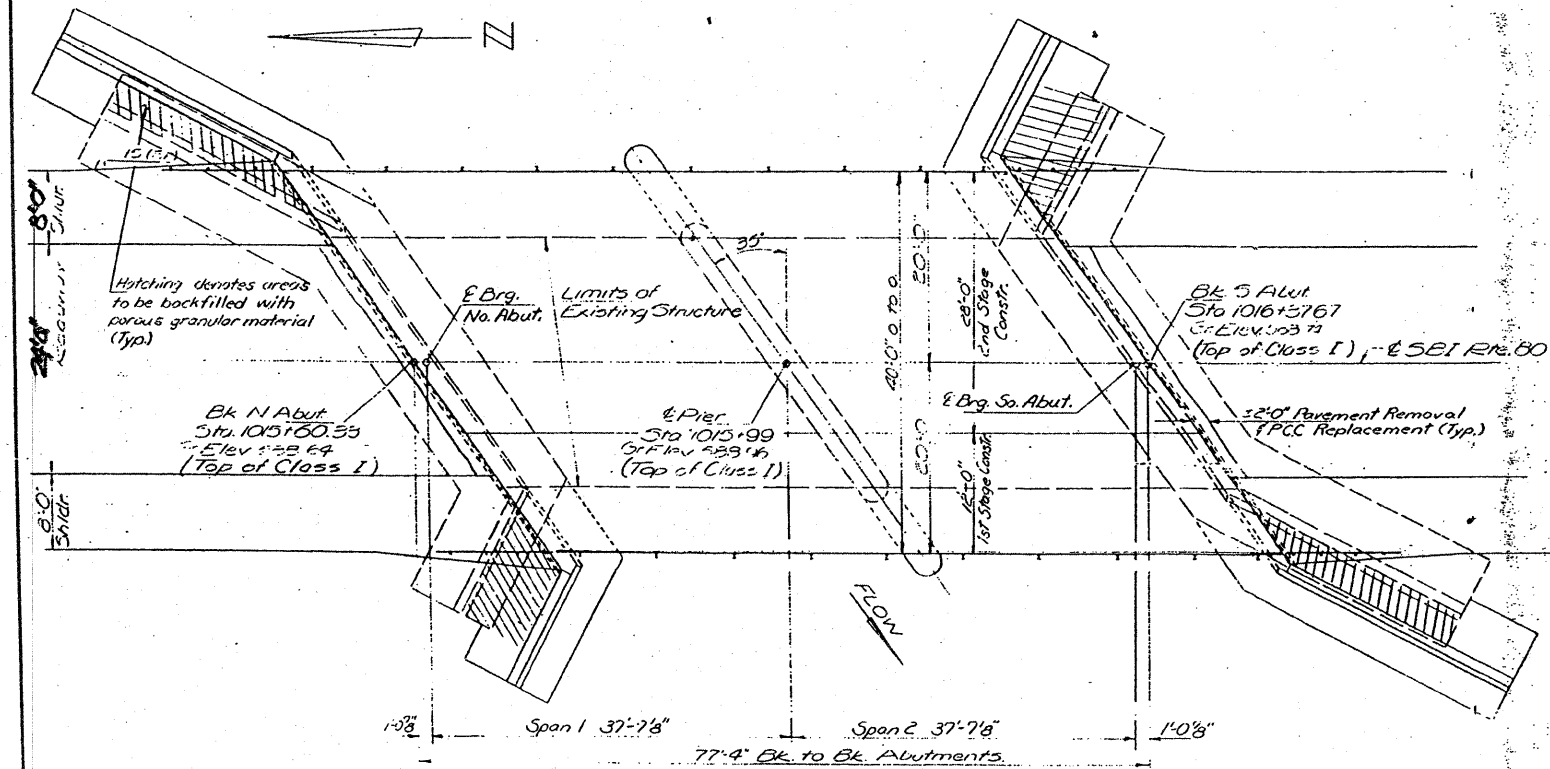
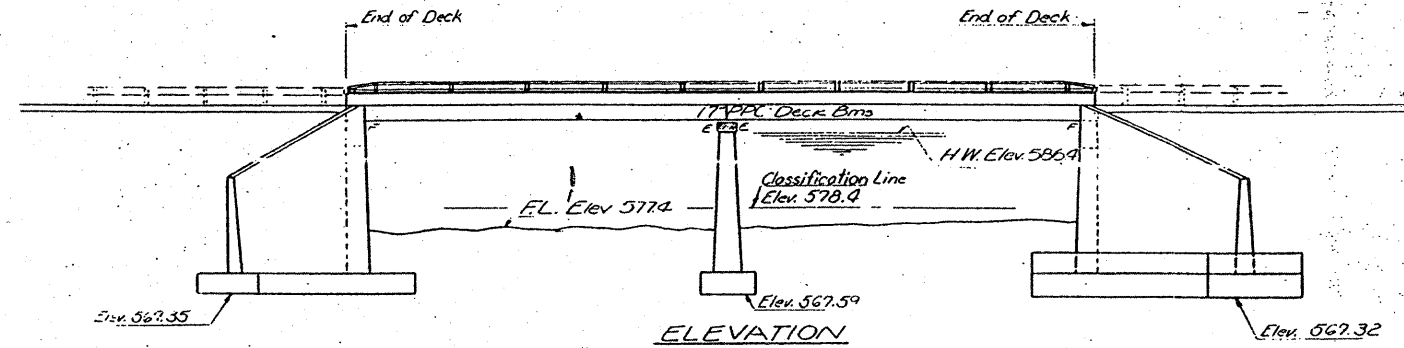
Notes: Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into the new construction. Expansion bolts shall be anchored in sound concrete. All edges shall have standard 3/4" chamfers except as noted.

EXISTING STRUCTURE PLANS (FOR REFERENCE ONLY)

B.M. - Top of Bolt in conc. base of Power Inlet,
100' RT. Sta. 1015+04, Elevation 590.69
Existing Structure: Built as SBI 80 Sec. 109B
Sta. 1015+99 in 1931. Superstr. is R.C. Deck Girder
Substr. is R.C. Abuts and R.C. solid pier.
Superstr. to be removed with staged construction.
No Salvage. Traffic to be maintained.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	NO.	BY	TOTAL SHEETS	SHEET NO.
11-80	1098R	WHITESIDE	10	3
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.
An alternate strand pattern using Extra High Strength Prestressing strand (270 K.S.I.) is permitted.
Unless otherwise noted, Expansion Bolts shall consist of self drilling expansion anchors and 3/4" x 6" hooked bolts. Limits of Coat for Interlayer Protective Coat shall be back to back of Abutments and out to out of deck.
Shoulder transition to Wingwall shall be shaped with broken concrete. Cost Incidental.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub Total
Bituminous Concrete Surface Course Class I	Ton	47	47
Removal of Existing Superstructure	Each	1	1
Concrete Removal	Cu. Yd.	16	16
Expansion Bolts 3/4" x 6"	Each	308	308
Class X Concrete	Cu. Yd.	146.5	146.5
Precast Prestressed Concrete Deck Beams (17 Depth)	Sq. Ft.	3060	3060
Reinforcement Bars	Pound	13150	13150
Coal for Interlayer Protective Coat	Sq. Yd.	339	339
Pavement Removal (PCC Replacement, Type II (10"))	Sq. Yd.	11	11
Steel Railing Type N	Lin. Ft.	153	153
Neoprene Expansion Joint (2")	Lin. Ft.	49	49
Temporary Guardrail	Lin. Ft.	78	78
Class A Concrete	Cu. Yd.	59.3	59.3
Expansion Bolts (Special)	Each	12	12
Untreated Piles up to 30"	Lin. Ft.	1104	1104
Untreated Piles 30" to 45"	Lin. Ft.	204	204
Porous Granular Embankment	Cu. Yd.	130	130
Class A Excavation for Structure	Cu. Yd.	80	80
Class B Excavation for Structure	Cu. Yd.	460	460

DESIGNED	Stacy L...
CHECKED	...
DRAWN	...
CHECKED	...

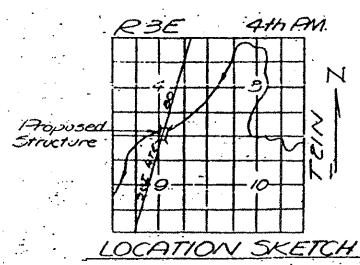
APRIL 9 1971
EXAMINED
PASSED
APPROVED

DESIGN STRESSES

FIELD UNITS
 Fc = 4000 psi (Super) Fc = 5000 psi
 Ft = 1000 psi (Sub) Ft = 4000 psi
 Fb = 20000 psi (Reinf) Fb = 248000 psi
 Fv = 75 psi (RTG) Fv = 173600 psi
 n = 10
 Allowable Future WS: 25415aF7
 Design Specifications 1969
 AASHTO (as applicable)

WATERWAY INFORMATION
 Drainage Area 535.5a. Mi.
 Character: Rolling, sandy, level
 Present Opening 480 Sq. Ft.
 Road Opening 480 Sq. Ft.
 Proposed Opening 480 Sq. Ft.
 Q(100) = 3847 cfs

LOADING HS20-44



FOR REFERENCE ONLY

GENERAL PLAN & ELEVATION
 SBI 80 over CATTAIL CREEK
 SBI RTE. 80-SEC. 109B
 WHITESIDE COUNTY
 STA. 1015+99

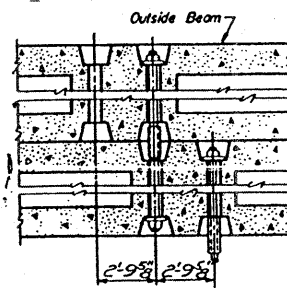
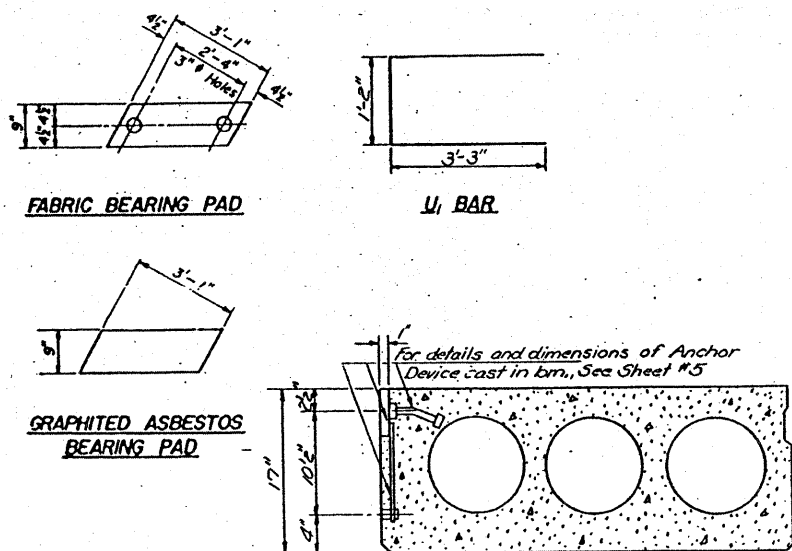
098-0021

EXISTING STRUCTURE PLANS (FOR REFERENCE ONLY)

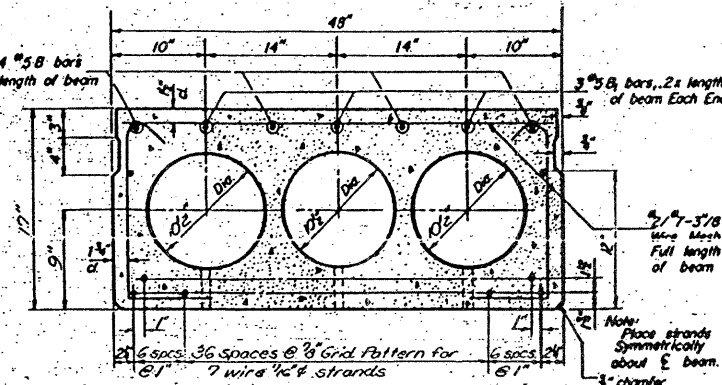
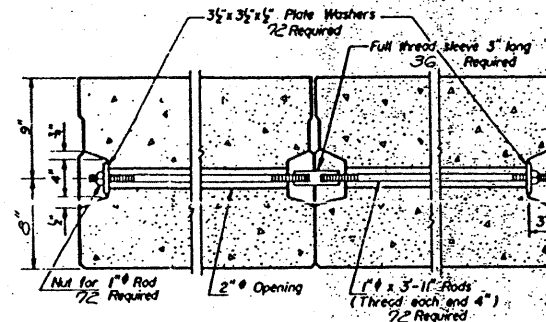
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
109BR	WHITESIDE	10	6

SHEET NO. 4
8 SHEETS



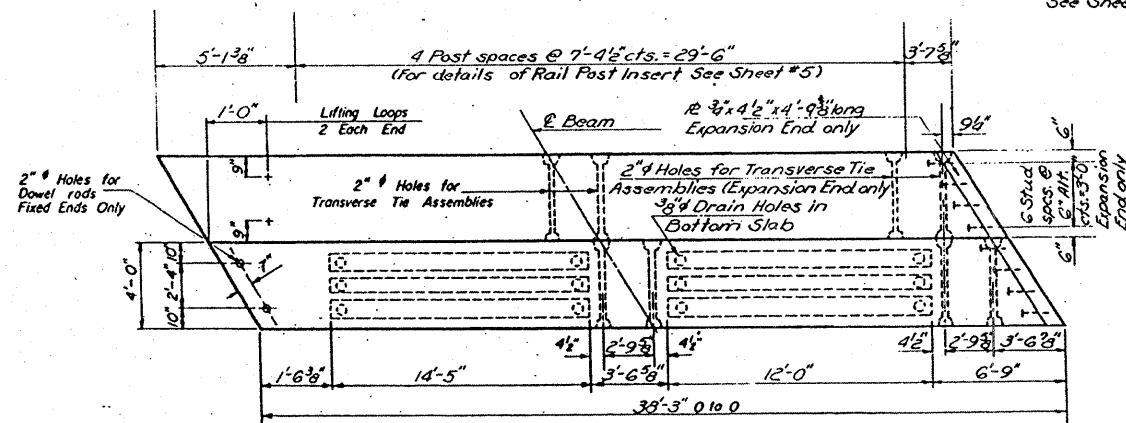
TYPICAL TRANSVERSE TIE ASSEMBLY



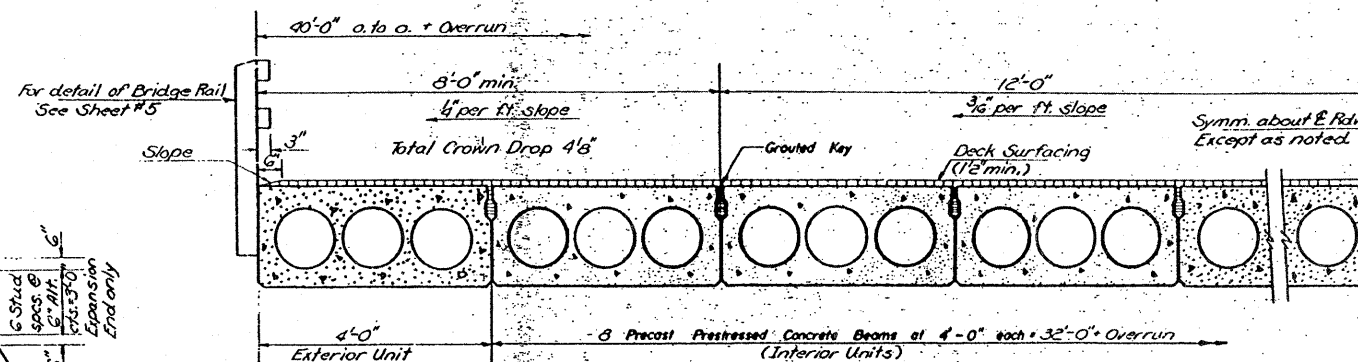
TYPICAL SECTION

25 #6 Strands, Each Strand Stressed to 18,900 lbs.
17 Strands 13\"/>

TYPICAL SECTION (Exterior Units)
Dimensions, Reinforcement Bars and Strands are the same as interior units except as shown.

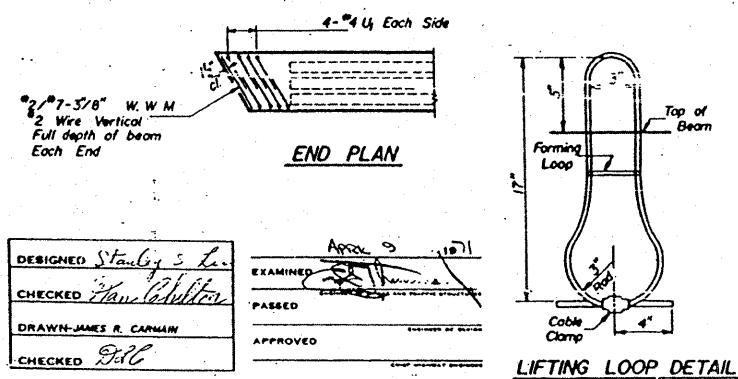


PLAN (Span 1 Looking East
Span 2 Looking West)



HALF CROSS SECTION

(See Sheet #2 for Details of Stage Construction and Locations of Temporary Guardrail)



DESIGNED	Stanley S. Lee	EXAMINED	APPROVED
CHECKED	James R. Canham	PASSED	
DRAWN	JAMES R. CANHAM	APPROVED	
CHECKED	J.R.C.		

PD-2-R 11-19-65 Rev. 5-20-68

GENERAL NOTES

Pressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand. The nominal diameter shall be 7/8\"/>

FOR REFERENCE ONLY

BILL OF MATERIAL		
Item	Sq Ft.	Quantity
Precast Prestressed Concrete Deck Beams (17\"/>		3060

17x48\"/>

FILE NAME = ct:\projects\p205006\d05006sp1.dgn

USER NAME = hensonke	DESIGNED -	REVISED - 5-12-04
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

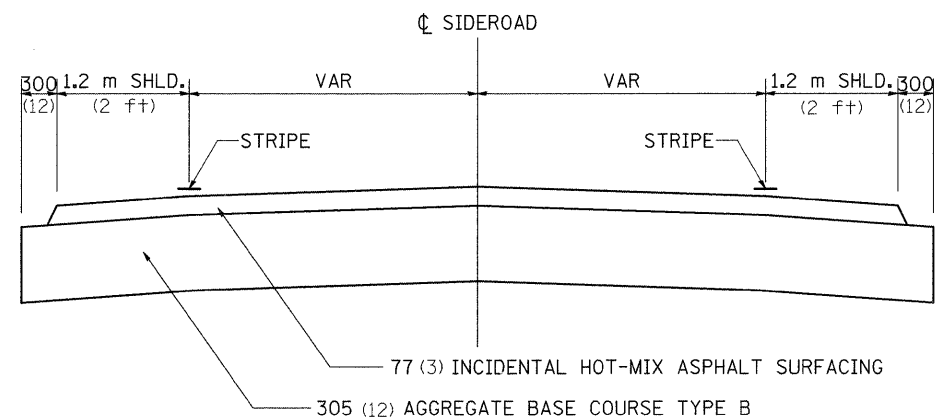
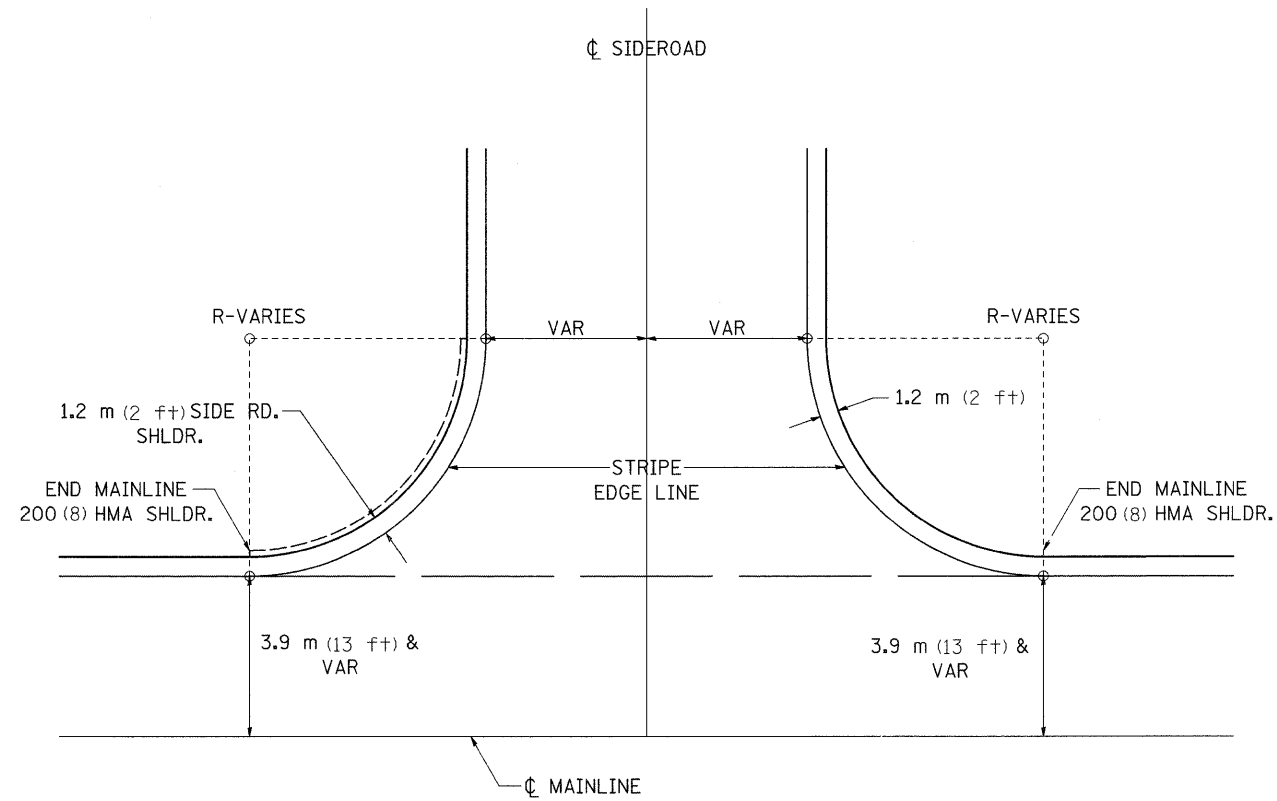
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING STRUCTURE PLANS

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

F.A.P. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	57
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64C25	

TYPICAL AGGREGATE BASE SIDEROAD DETAIL



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

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED - 5-12-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL AGGREGATE BASE SIDEROAD DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\projects\p206006\ad06006sp1.dgn		DRAWN -	REVISED -			308	109BR-5	WHITESIDE	83	58	
		CHECKED -	REVISED -			CONTRACT NO. 64C25					
		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
		PLOT SCALE = 50.0000' / IN.									
		PLOT DATE = Thu Jul 31 14:49:18 2008									

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 3 of 4

Date 8/29/06

ROUTE FAP 308 DESCRIPTION P92-060-06 Bridge on IL 84 over Cattail Creek, .9 m. S. of US 30 LOGGED BY W. Garza
SECTION 109 BR-5 LOCATION Garden Plain Twp. - 4 SW, SEC. , TWP. 21N, RNG. 3E
COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T U R E	Groundwater Elev.: First Encounter Upon Completion After	Hrs.	(ft)	(/6")	(tsf)	(%)
1016+04					85.00 84.50					179.0 Wash					
B-2 344+09 12.00ft Lt CL 199.00															
Wash MEDIUM/DENSE gray fine SAND		6 13 17								19 25 16					
	117.50														
	115.00														
Wash MEDIUM gray fine SAND		9 12 12								5 13 17					
	112.50														
	110.00														
Wash MEDIUM gray fine SAND		4 7 12								6 9 11					
	107.50														
	105.00														
No Recovery		23 100/6.5								14 13 11					
	102.50														
	100.00														
	-100														

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

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 4 of 4

Date 8/29/06

ROUTE FAP 308 DESCRIPTION P92-060-06 Bridge on IL 84 over Cattail Creek, .9 m. S. of US 30 LOGGED BY W. Garza
SECTION 109 BR-5 LOCATION Garden Plain Twp. - 4 SW, SEC. , TWP. 21N, RNG. 3E
COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

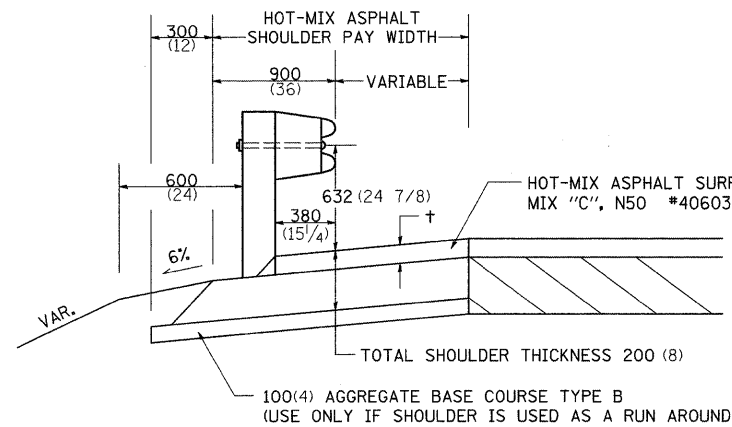
STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T U R E	Groundwater Elev.: First Encounter Upon Completion After	Hrs.	(ft)	(/6")	(tsf)	(%)
1016+04					85.00 84.50					179.0 Wash					
B-2 344+09 12.00ft Lt CL 199.00															
Resists auger rotation															
	77.50														
	75.00														
Wash DENSE tan/gray clean medium coarse SAND with medium GRAVEL		11 19 22													
	72.50														
End of Boring															
	70.00														
	67.50														
	65.00														
	62.50														
	60.00														
	57.50														
	55.00														
	52.50														
	50.00														
	47.50														
	45.00														
	42.50														
	40.00														
	37.50														
	35.00														
	32.50														
	30.00														
	27.50														
	25.00														
	22.50														
	20.00														
	17.50														
	15.00														
	12.50														
	10.00														
	7.50														
	5.00														
	2.50														
	0.00														
	-100														

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

BBS, from 137 (Rev. 8-99)

FILE NAME = c:\projects\p206006\d06006logs.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS	F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 61		
PLOT SCALE = 157.5000' / IN.	DRAWN -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64C25		
PLOT DATE = Thu Jul 31 10:54:01 2008	CHECKED -	REVISED -										
	DATE -	REVISED -										

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

THE HEIGHT OF THE GUARD RAIL SHALL BE SET 632 (24 7/8) FROM THE FINISHED SURFACE.

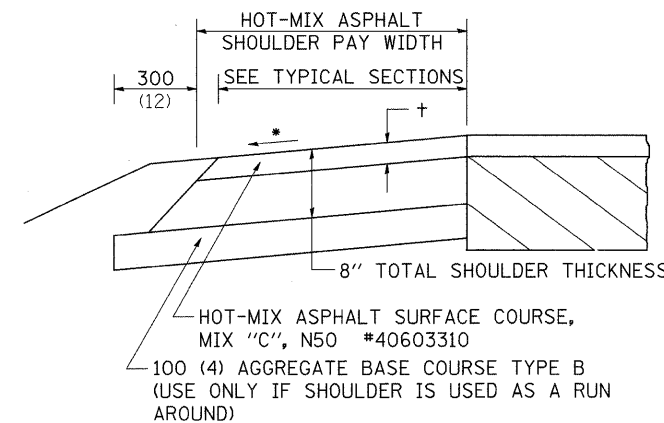
THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE METER (SQUARE YARD) FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

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

REVISED - 11-01-07

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

HOT-MIX ASPHALT SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

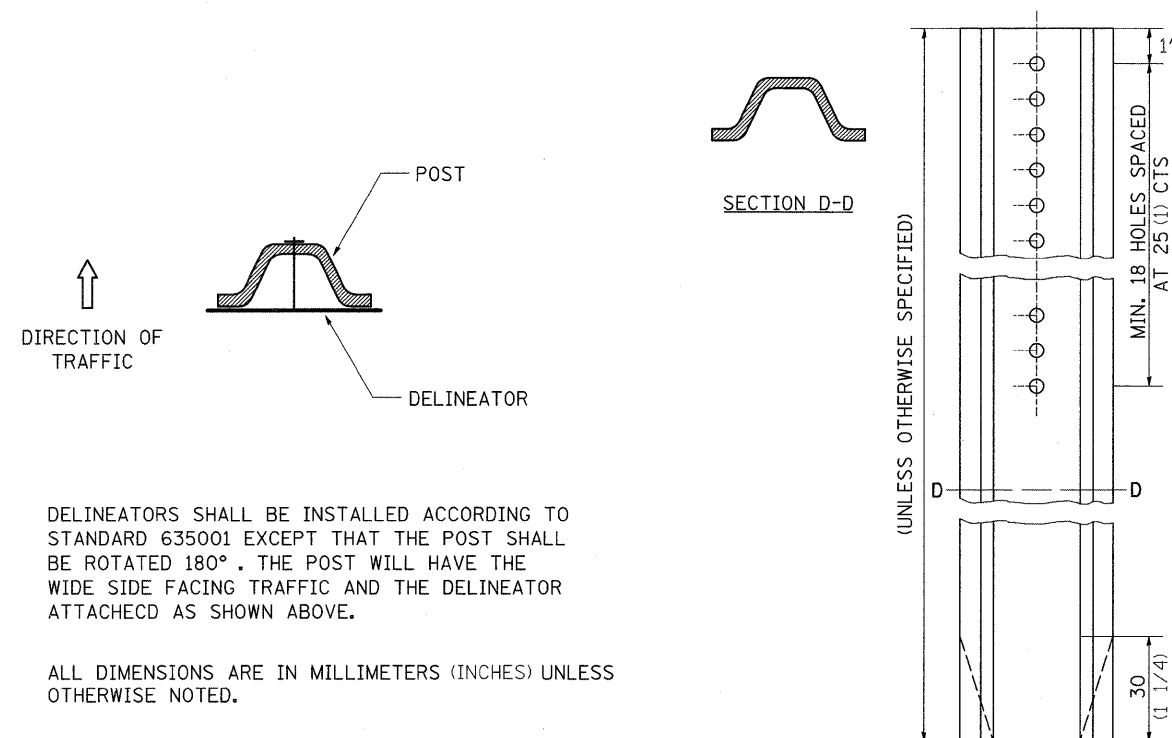
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

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

REVISED - 11-01-07

HOT-MIX ASPHALT SHOULDER 23.4a

DELINEATOR AND POST ORIENTATION



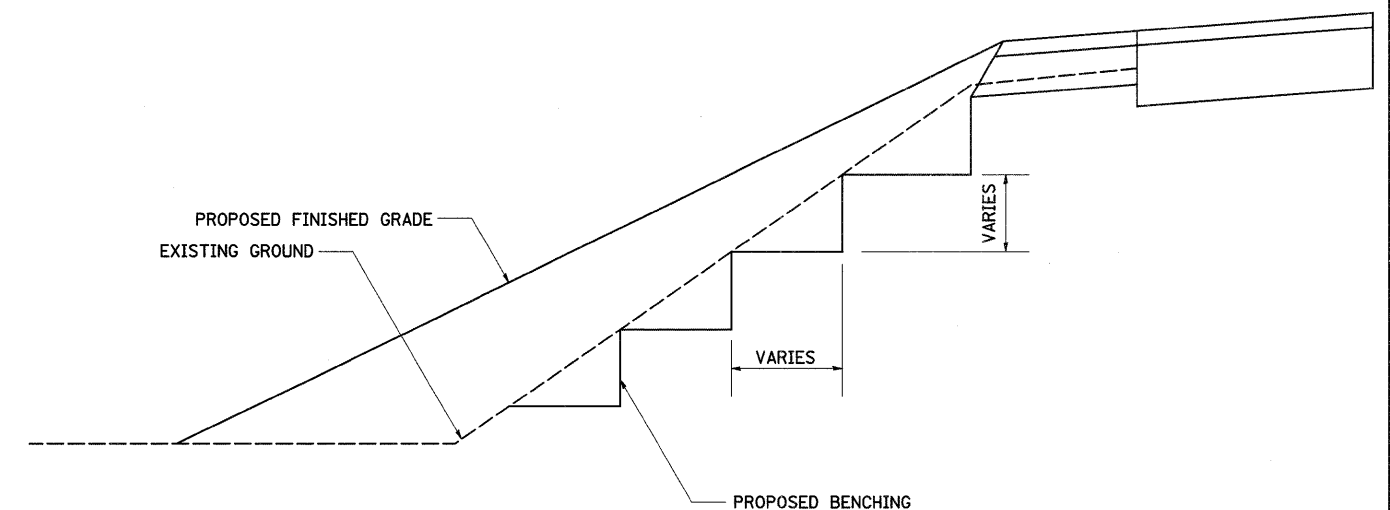
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT

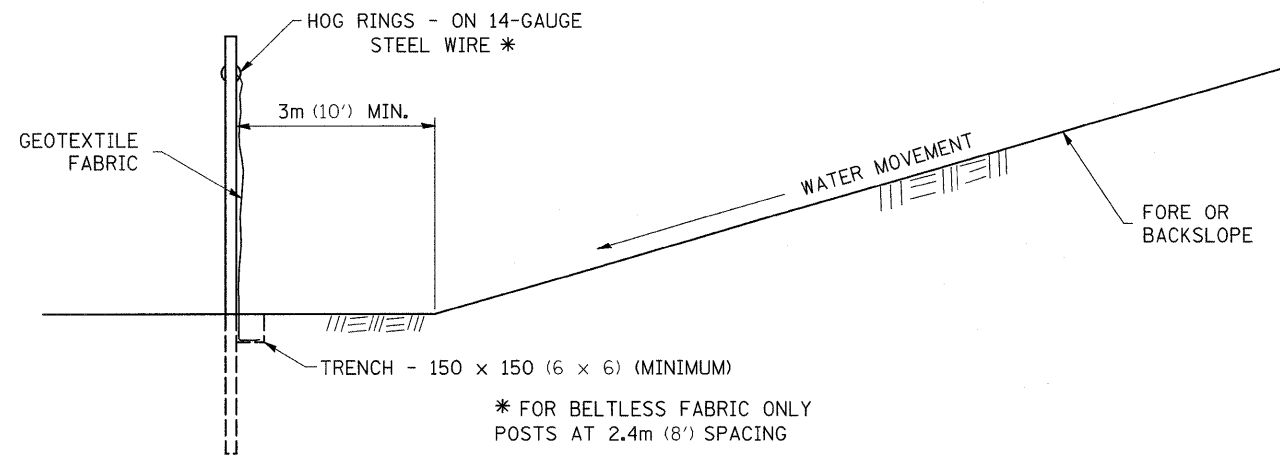
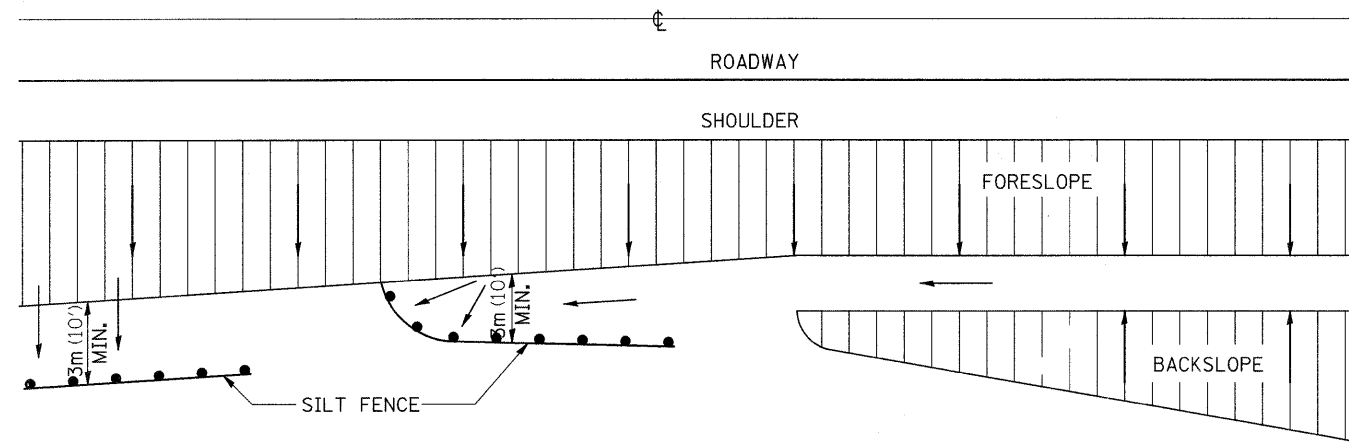


REVISED - 2-22-06	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -			308	109BR-5	WHITESIDE	83	63
REVISED -			CONTRACT NO. 64C25				
REVISED -	SCALE: 50.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = Thu Jul 31 14:49:17 2008

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

EROSION CONTROL DETAILS FOR SILT FENCE

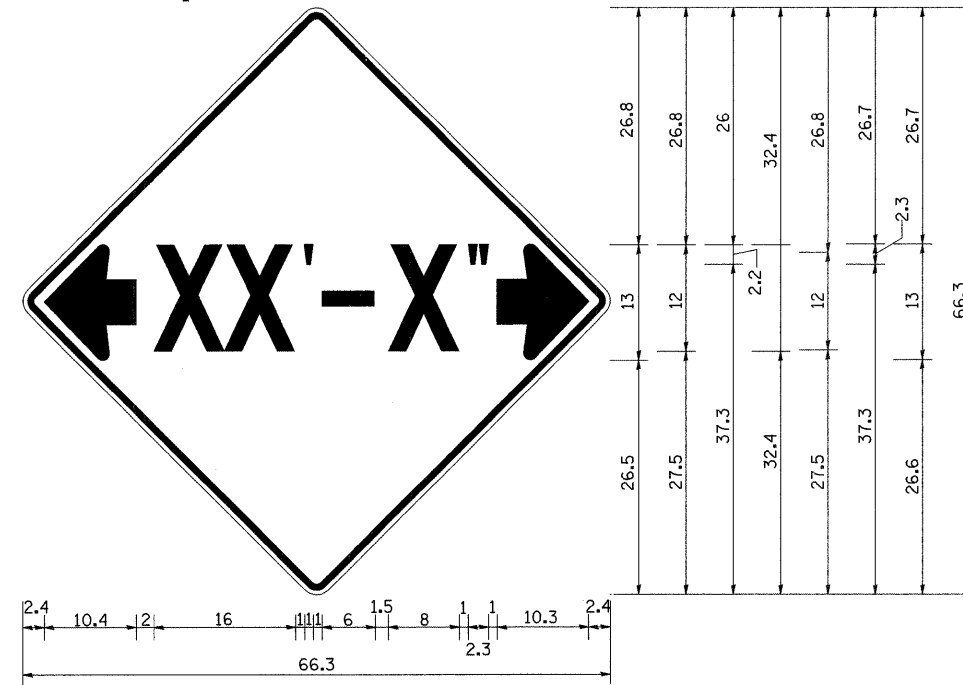


DETAILS OF SILT FENCE

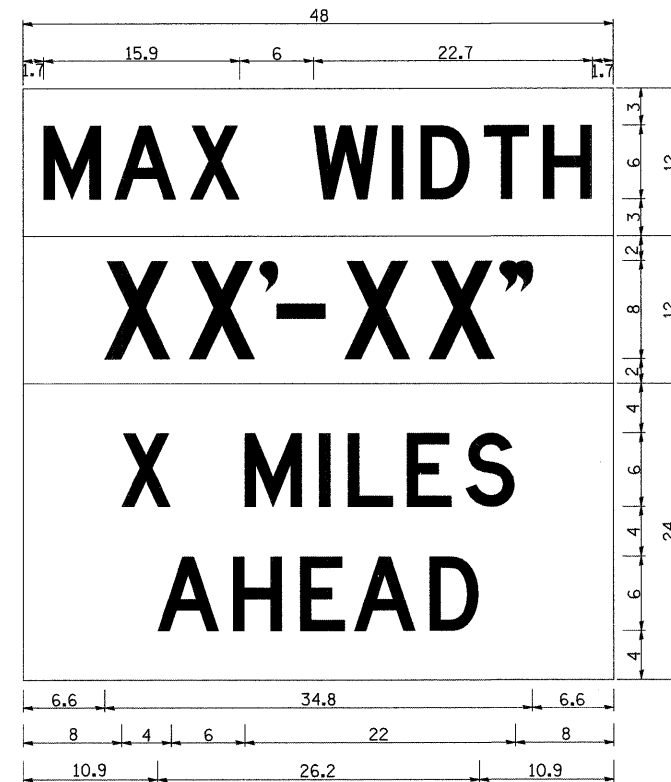
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-22-01

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
 W12-2 - Horizontal Clearance Sign
 48.0" across sides, 1.9" Radius,
 0.8" Border, 0.5" Indent, Black on
 Orange; Standard Arrow Custom
 10.4" X 8.1" 180° Black 11 Inch
 D Series Lettering; Standard Arrow
 Custom 10.4" X 8.1" 0°



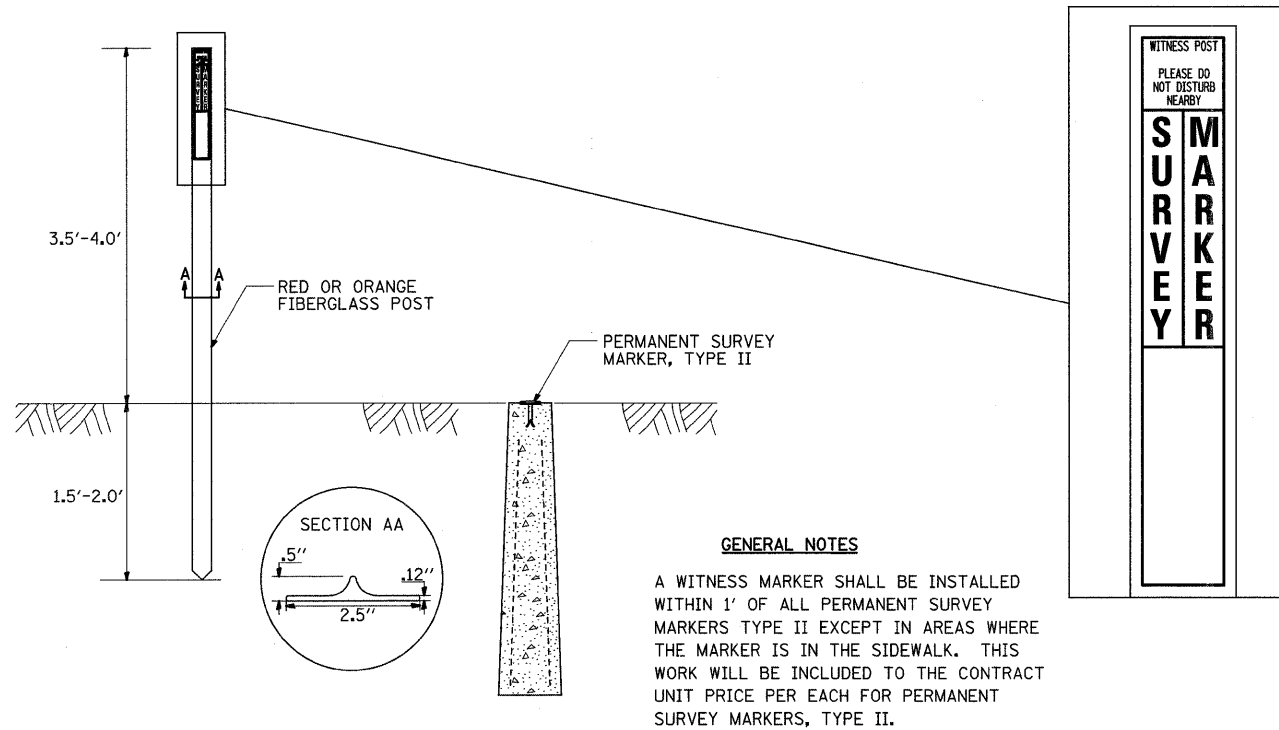
W12-I103 (Width Is 8D);
 No border, Black on White;
 [MAX WIDTH] D;
 No border, Black on Orange;
 [XX'-XX'] D;
 No border, Black on White;
 [X MILES] D; [AHEAD] D;

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

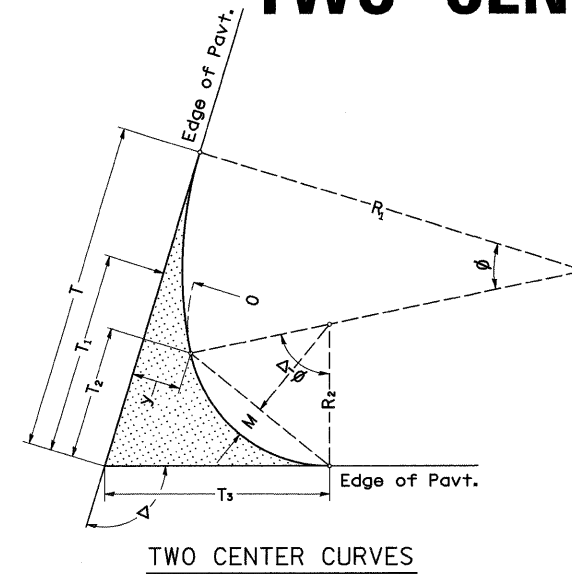
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-22-01	REVISED - 08	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 65
SCALE: 50,000' / IN SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 64C25		

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



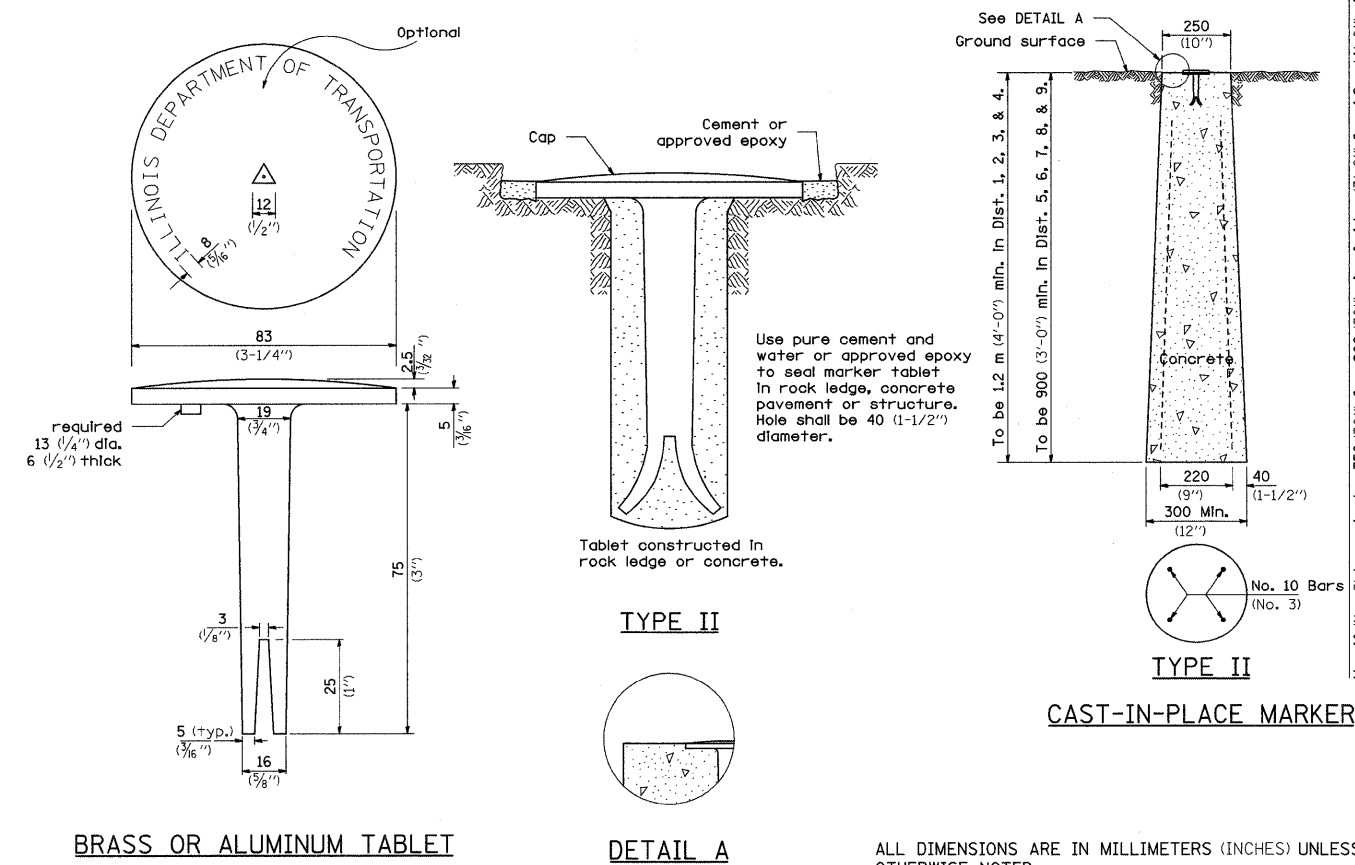
TWO CENTER CURVE DATA



CURVE #	1						
R ₁	230.00						
R ₂	30.00						
O	15.00						
Δ	136.20						
T	166.26						
T ₁	90.27						
T ₂	78.87						
T ₃	96.30						
y	17.25						
4y/9	7.67						
y/9	1.92						
M	13.63						
15M/16	12.78						
3M/4	10.22						
7M/16	5.96						
C	50.28						

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

PERMANENT SURVEY MARKERS, TYPE II



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

REVISED - 6-26-06

REVISED - 3-22-90	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		308	109BR-5	WHITESIDE	83	66
REVISED -		CONTRACT NO. 64C25				
REVISED -		SCALE: 50.0000' / 1" IN	SHEET NO.	OF	SHEETS	STA.

STORM WATER POLLUTION PREVENTION PLAN

EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

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

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. 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:

THIS PROJECT CONSISTS OF REMOVAL AND REPLACEMENT OF A STRUCTURE CARRYING IL 84
OVER CATTAIL CREEK LOCATED 0.9 MILES SOUTH OF US 30.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 4.86 ACRES
PROPOSED R.O.W (TOTAL PARCEL AREA) 1.39 ACRES
DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 3.19 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

CATTAIL CREEK TO A PROTECTIVE LEVEE AND PUMP STATION AND ON TO THE MISSISSIPPI RIVER.

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

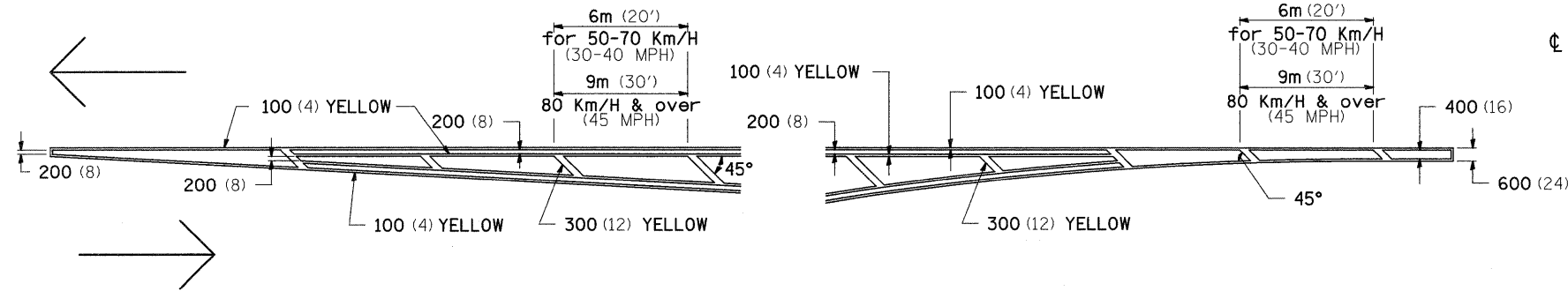
MAINTENANCE AFTER FINAL GRADING

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 WITH THE PROPER STAND. 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.

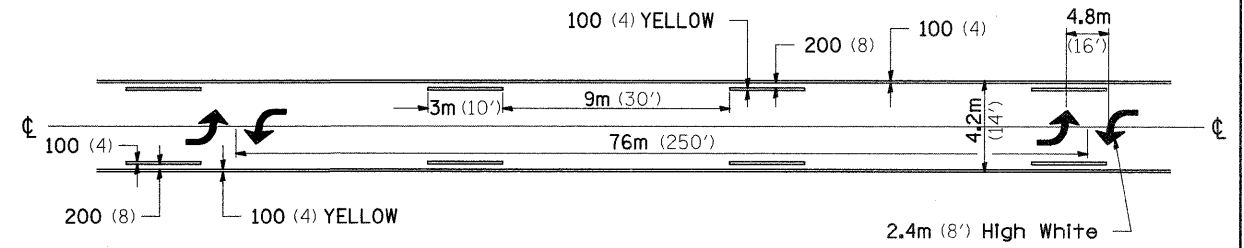
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		DRAWN -	REVISED -			308	109BR-5	WHITESIDE	83	67	
		CHECKED -	REVISED -			CONTRACT NO. 64C25					
		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

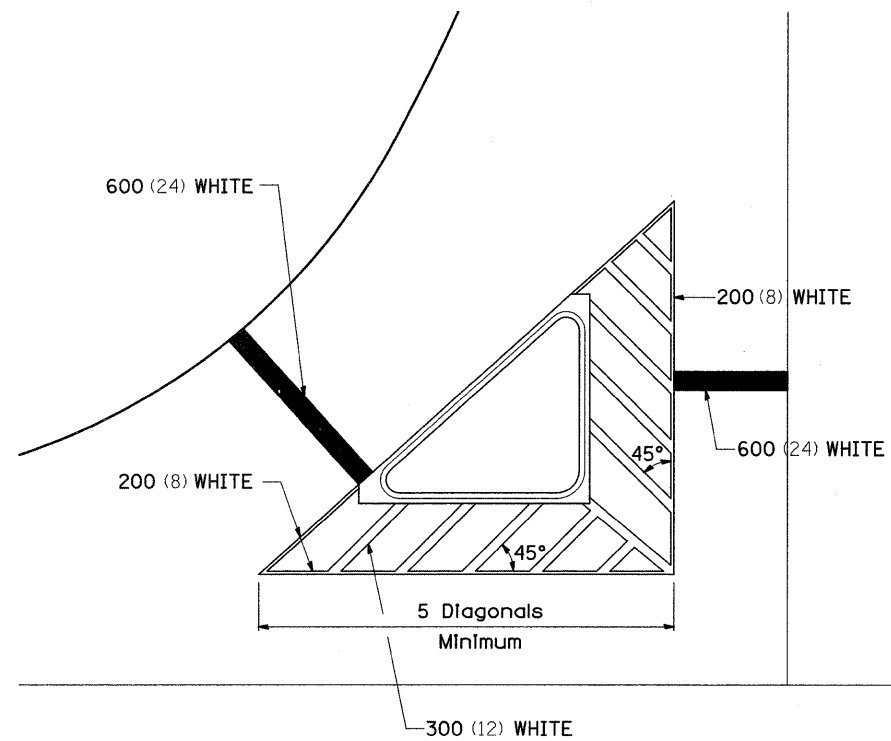


MEDIAN PAVEMENT MARKING

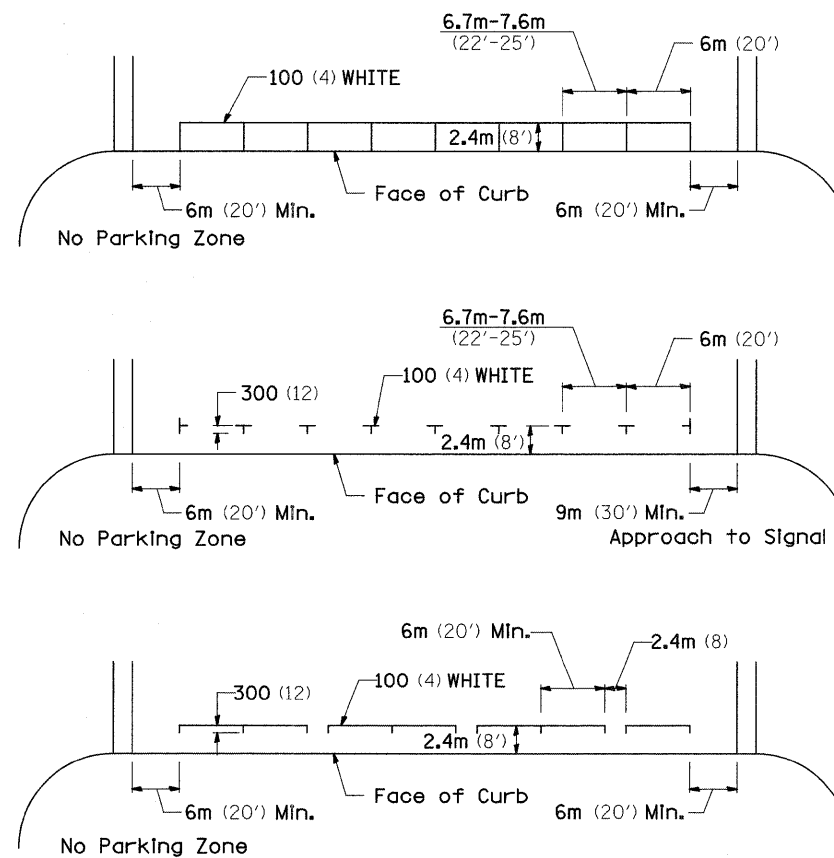


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

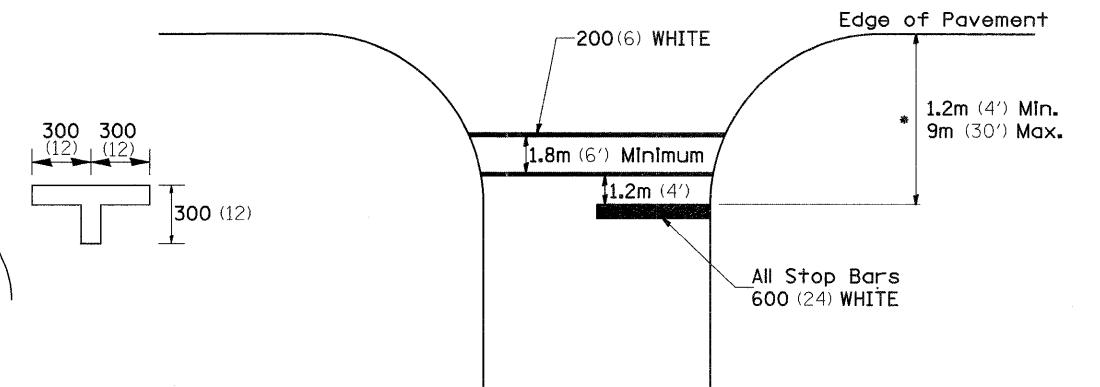


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

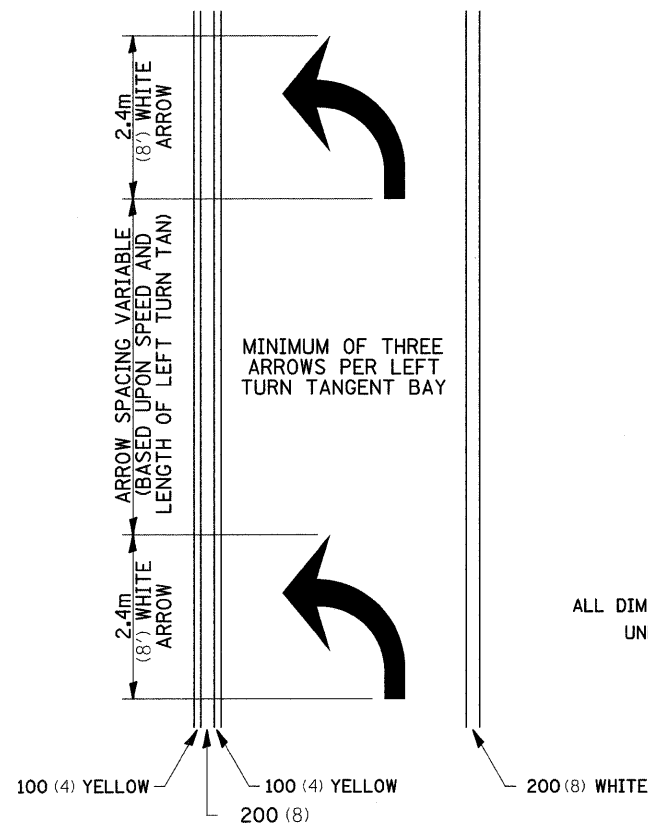


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = c:\projects\p206006\06006sp1.dgn	USER NAME = hensonke	DESIGNED -	REVISED - 1-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 68
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISOR -	REVISOR -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64C25				
PLOT DATE = Thu Jul 31 14:49:17 2008	DATE -	REVISOR -	REVISOR -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
TYPICAL PAVEMENT MARKINGS SHEET 1 OF 2												

TYPICAL PAVEMENT MARKINGS

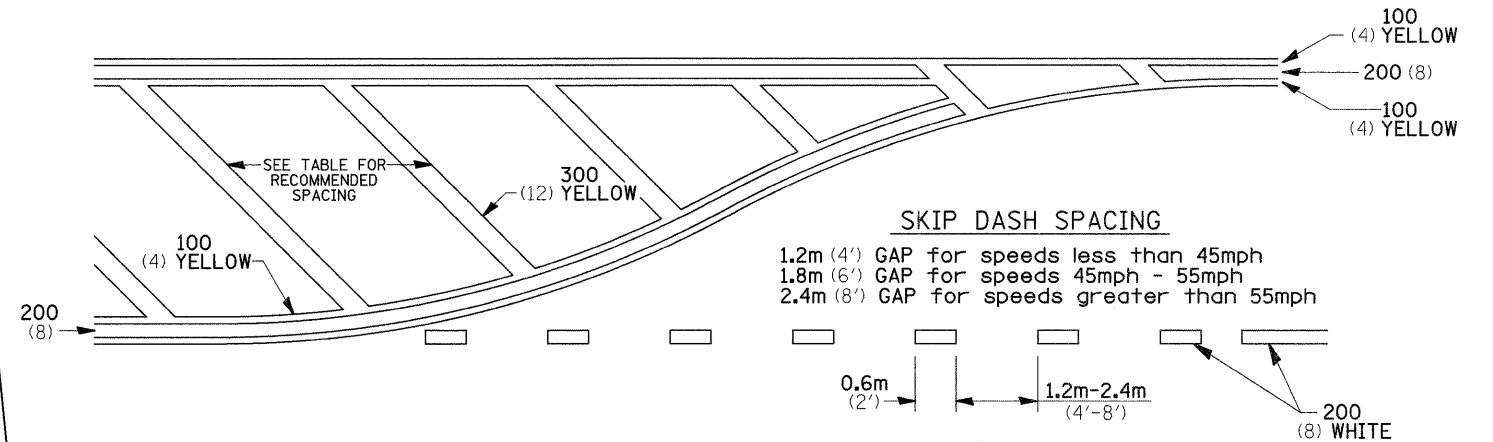
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- △ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

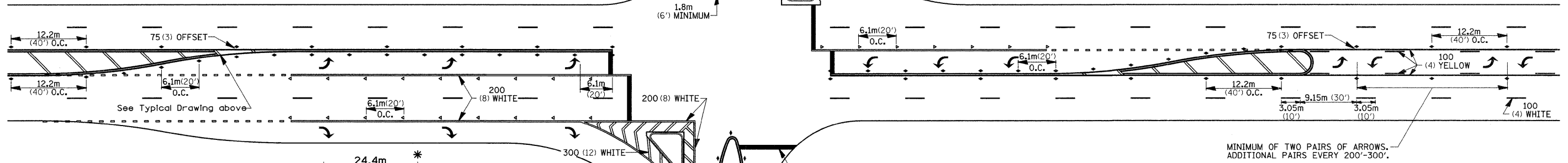
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



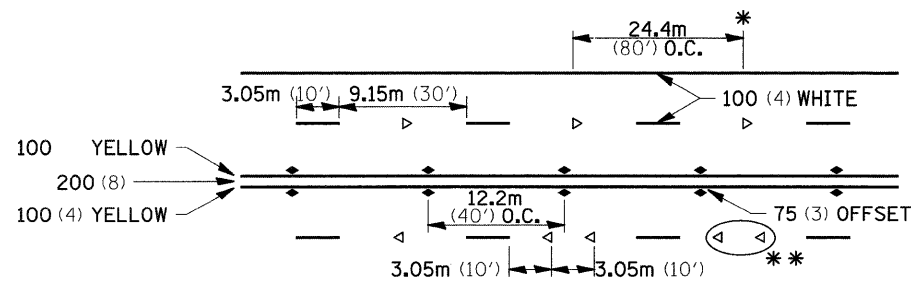
RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



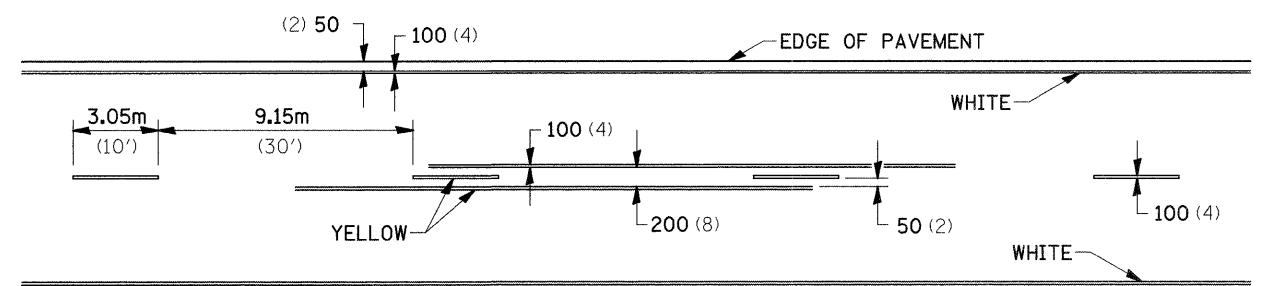
SYMBOLS



- * REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

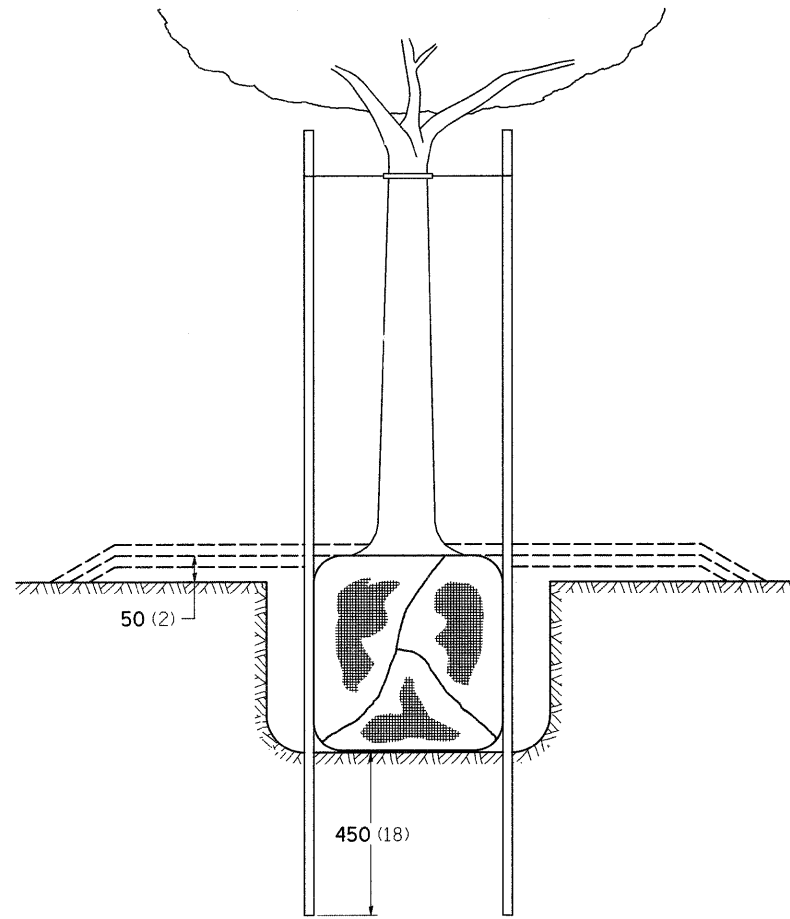
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

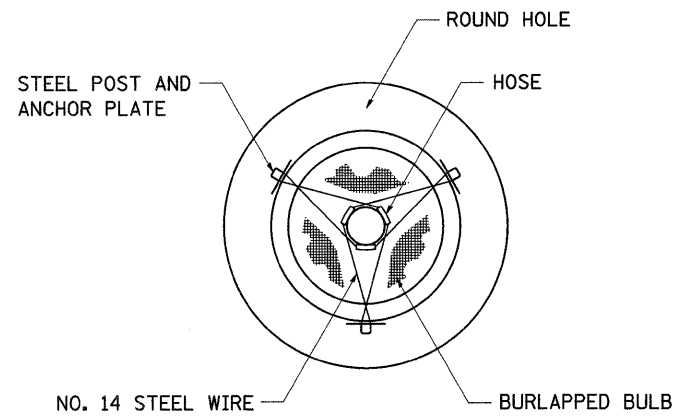
F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 69
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

DETAILS OF PLANTING AND BRACING TREES

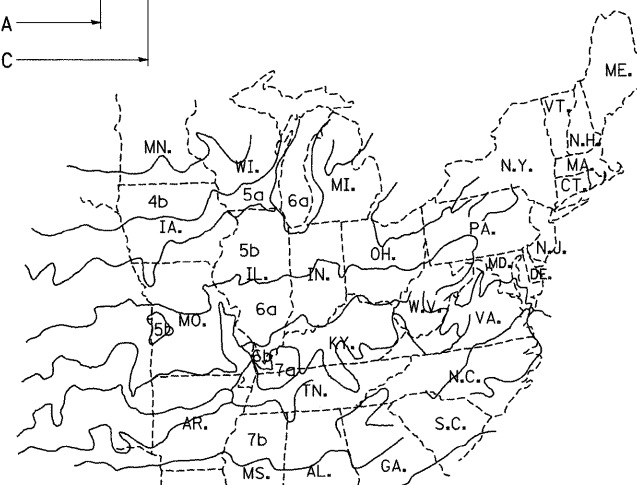
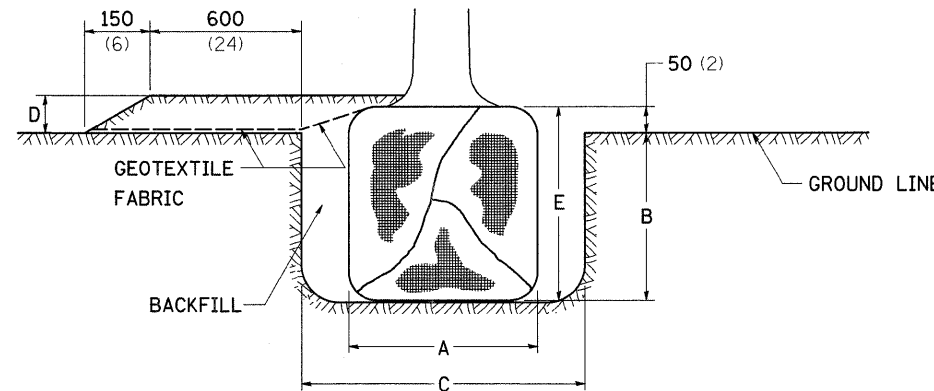


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER



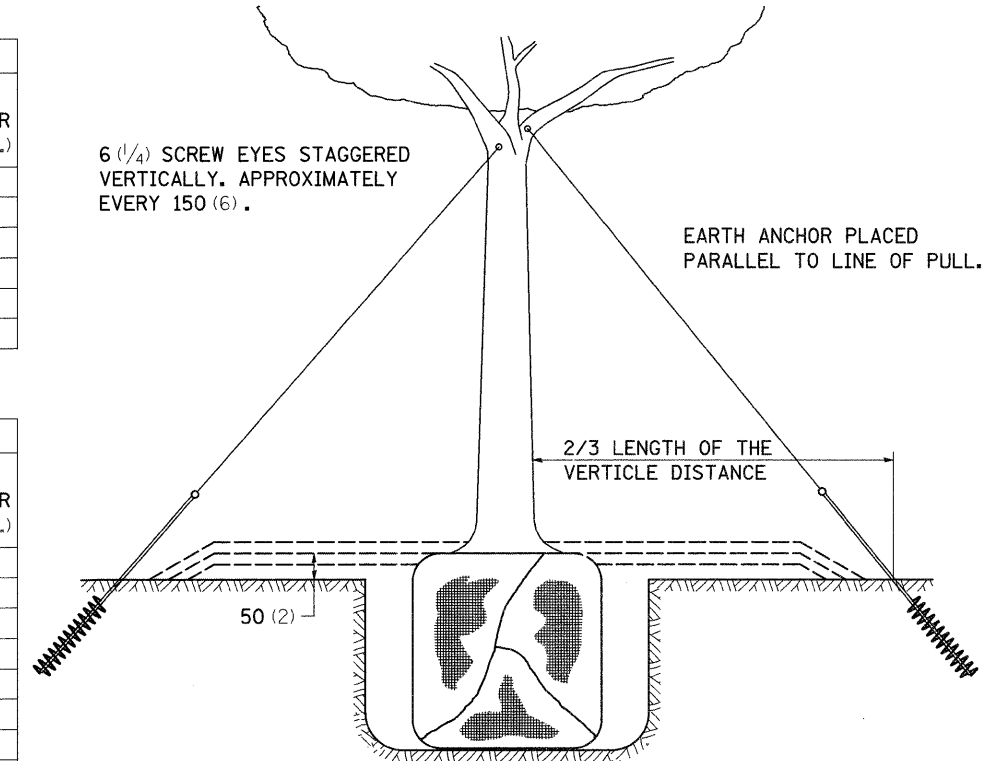
SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)

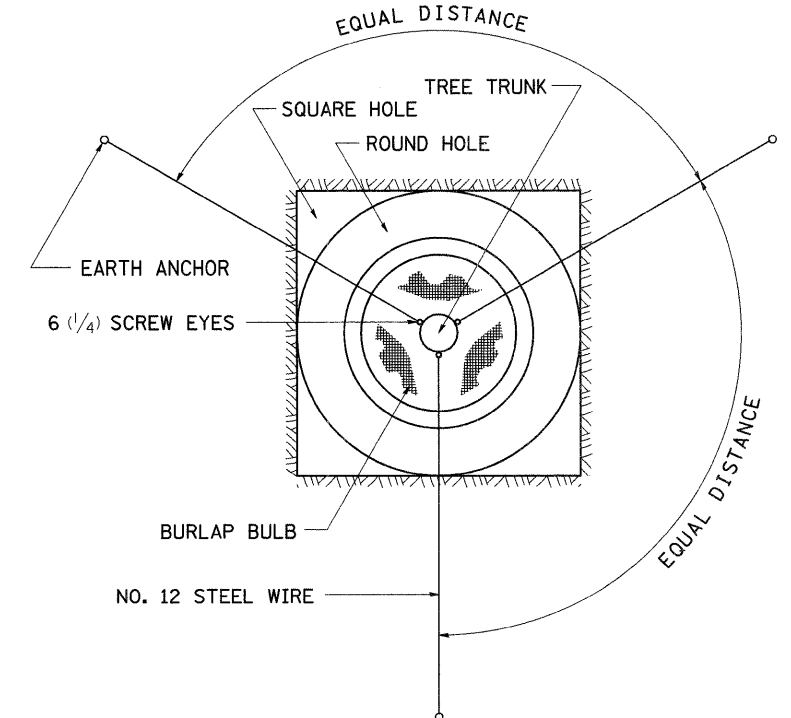


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4 1/2) IN DIAMETER

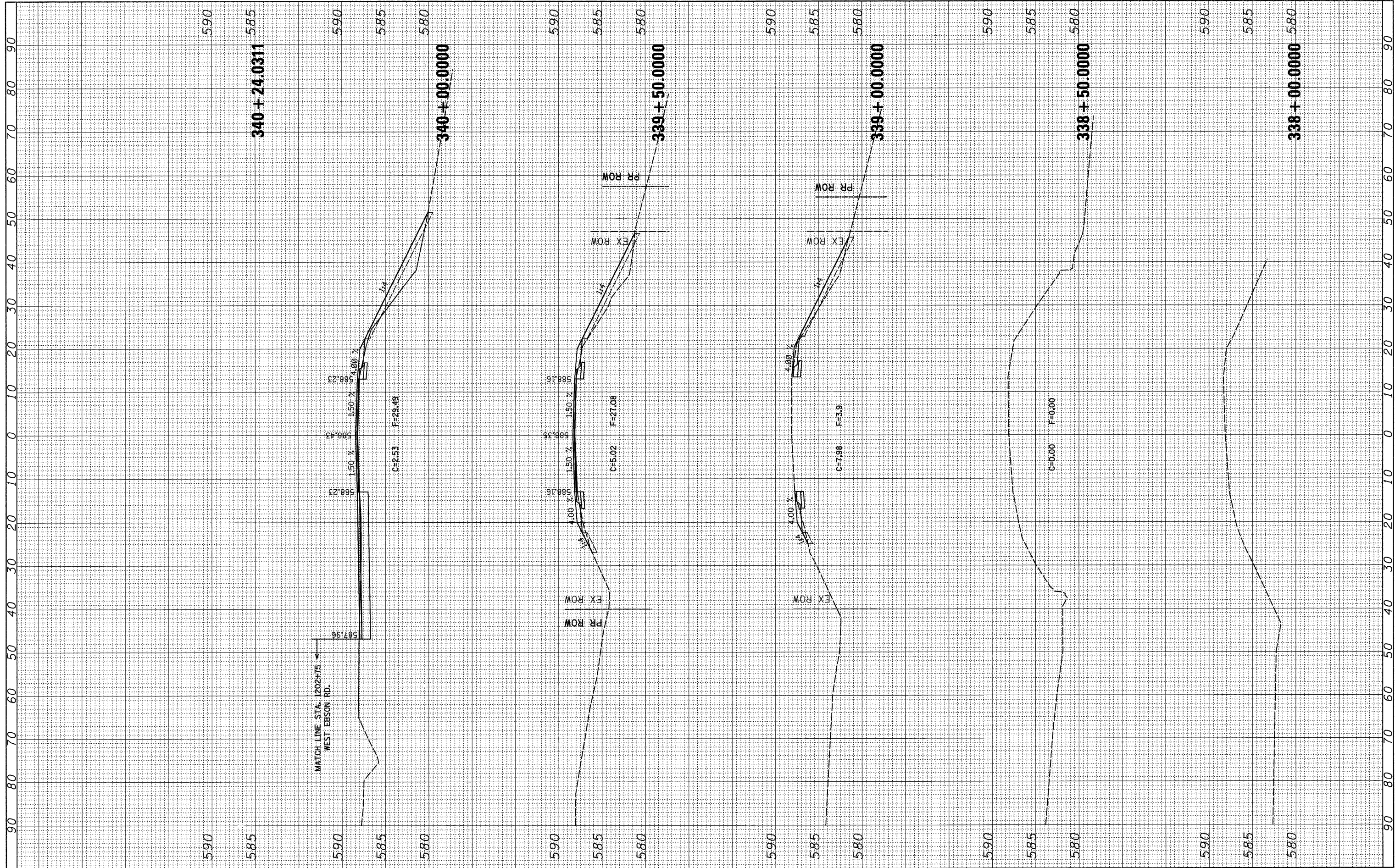


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE NOTED.

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		CHECKED -	REVISED -			CONTRACT NO. 64C25					
		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
PLOT SCALE = 50.0000' / IN.		PLOT DATE = Thu Jul 31 14:49:18 2008		SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		DETAILS OF PLANTING AND BRACING TREES	

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

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



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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = Thu Jul 31 10:58:09 2008

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

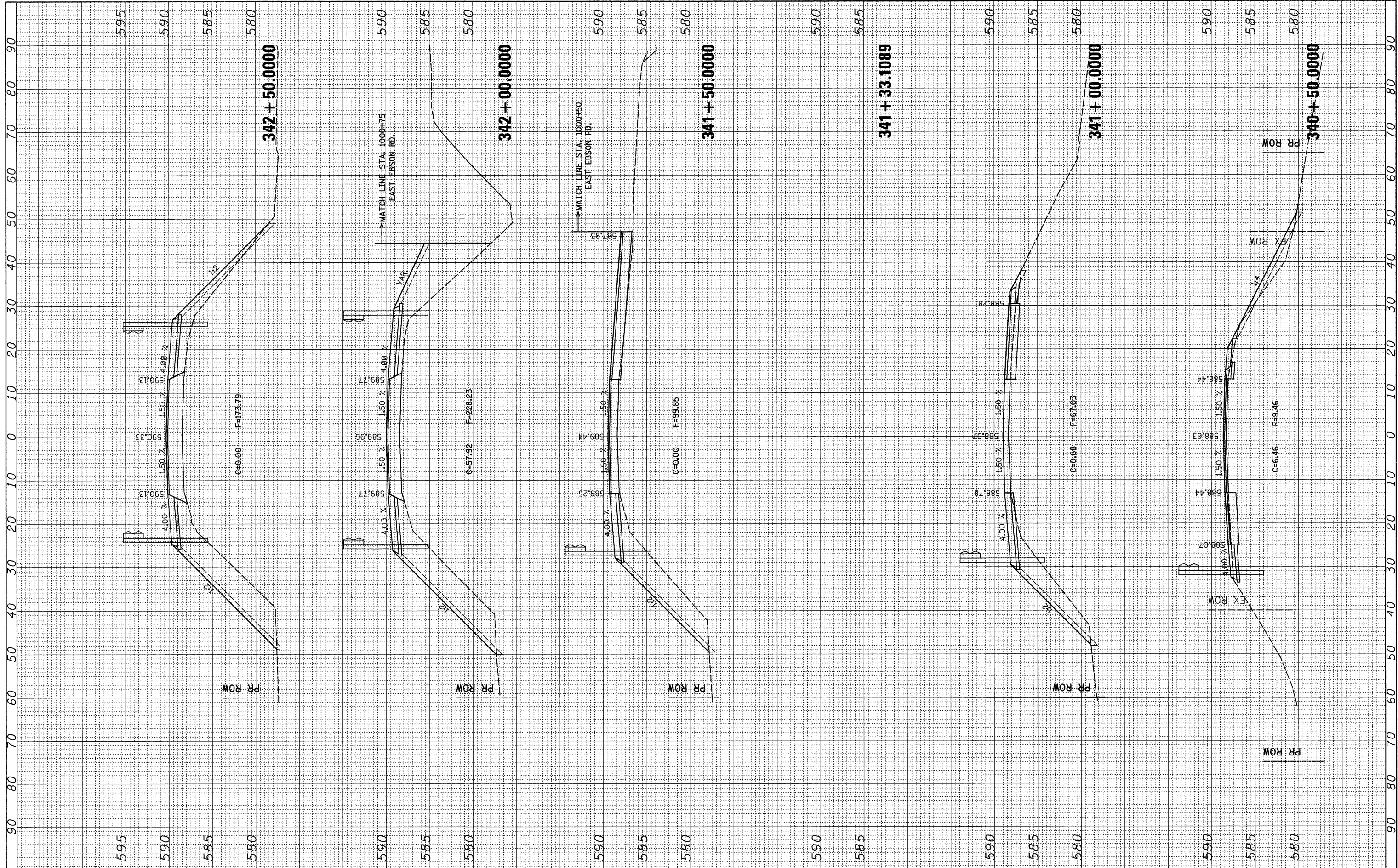
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 338+00.0000 TO STA. 340+24.0311

F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 71
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK NO.		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK NO.		
AREAS CHECKED		



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 PLLOT DATE = Thu Jul 31 10:58:09 2008

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

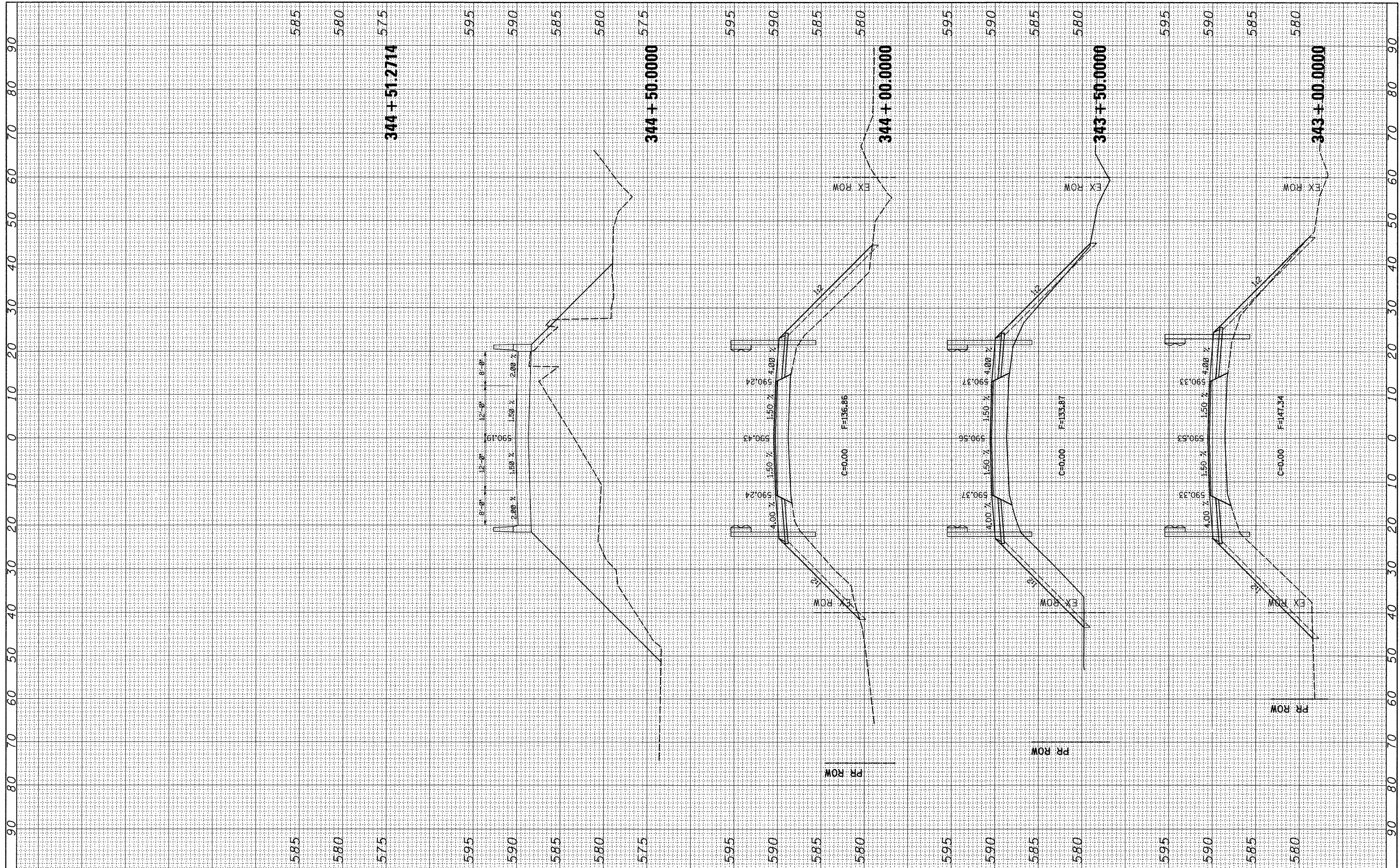
SCALE: SHEET NO. OF SHEETS STA. 340+50.0000 TO STA. 342+50.0000

IL 84 CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	72
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
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DESIGNED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

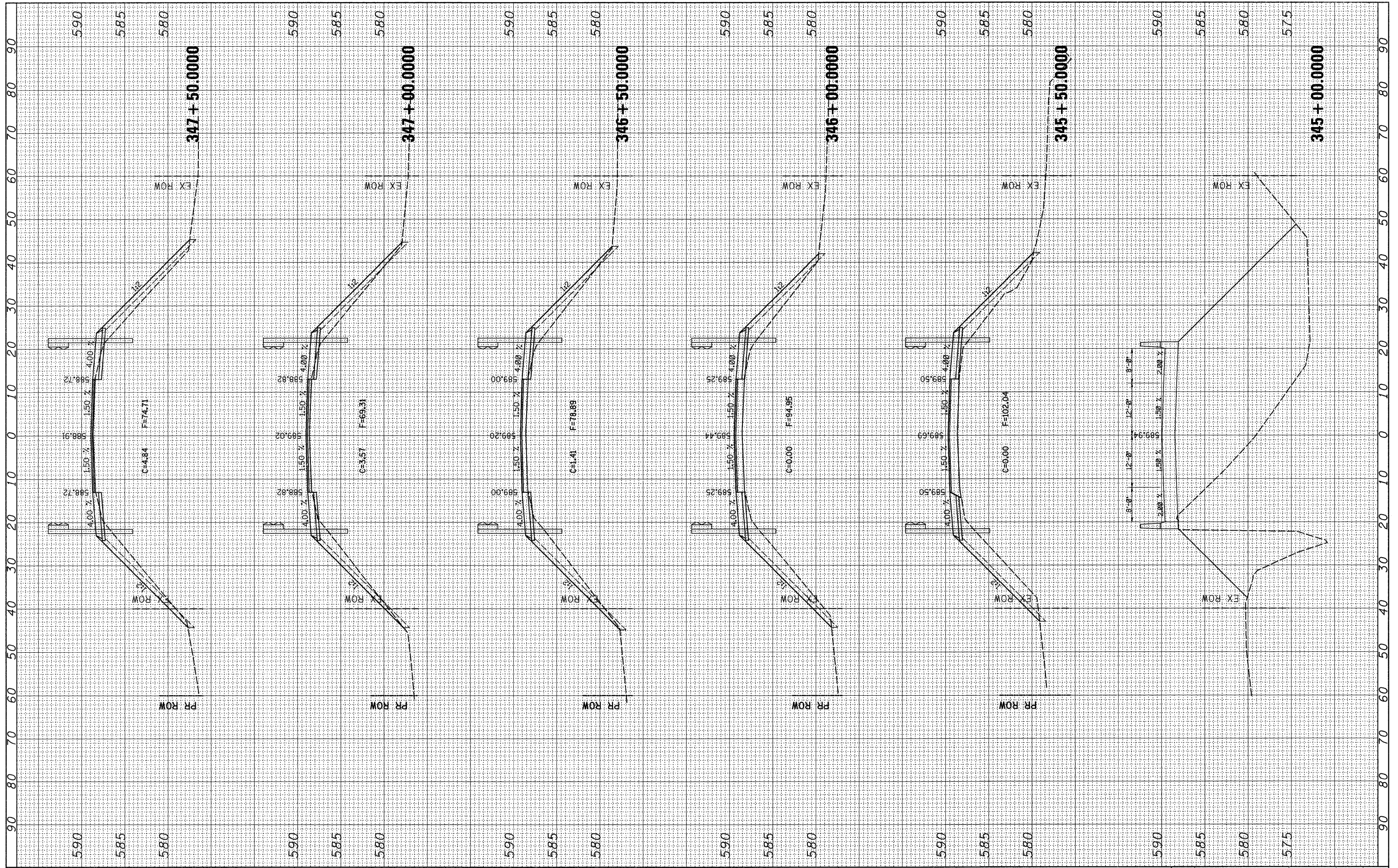
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 343+00.0000 TO STA. 344+51.2714

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	73
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 64C25				

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
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DESIGNED -
 DRAWN -
 CHECKED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

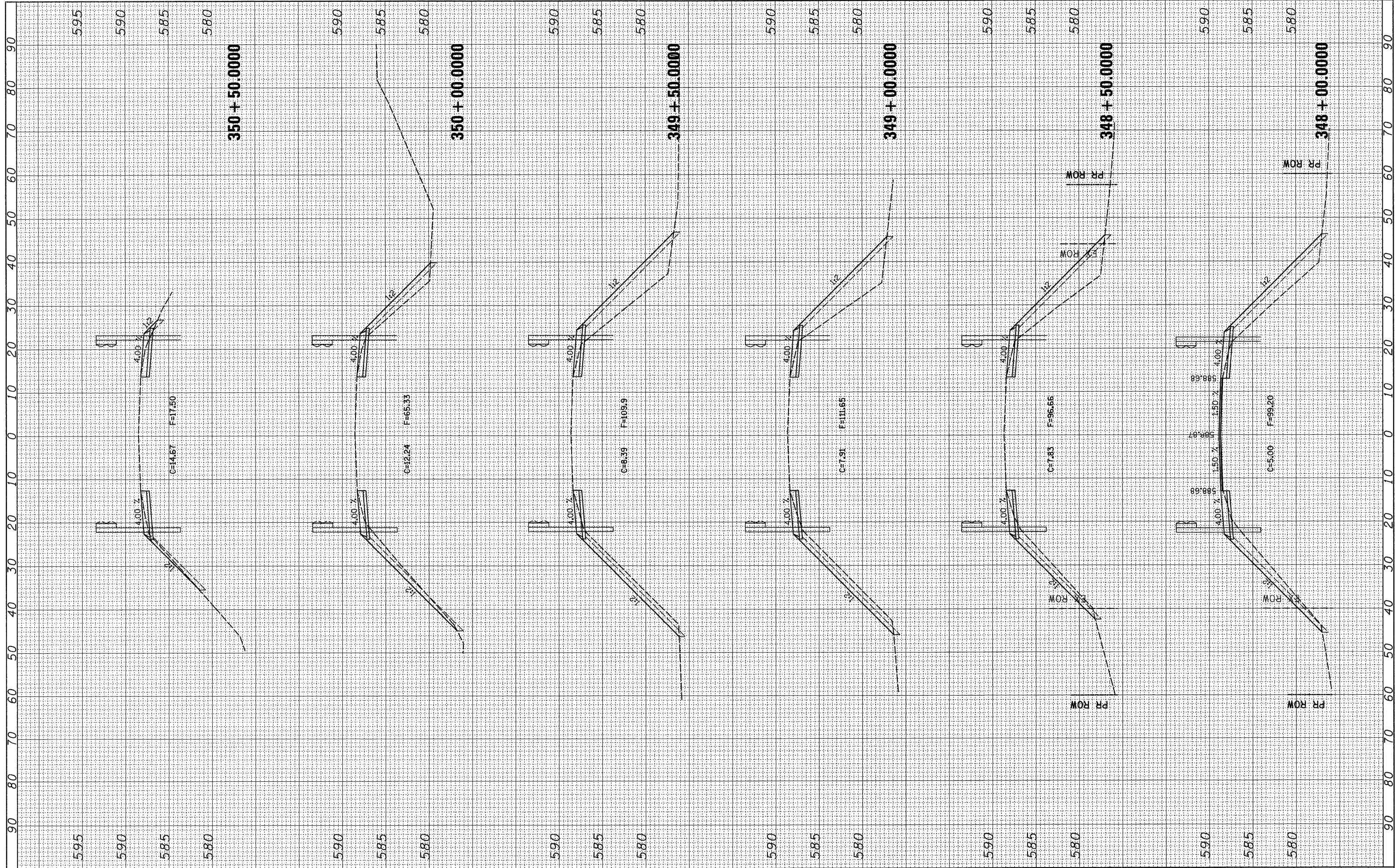
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 345+00.0000 TO STA. 347+50.0000

F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 74
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 64C25		

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

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



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 PLLOT DATE = Thu Jul 31 10:58:10 2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

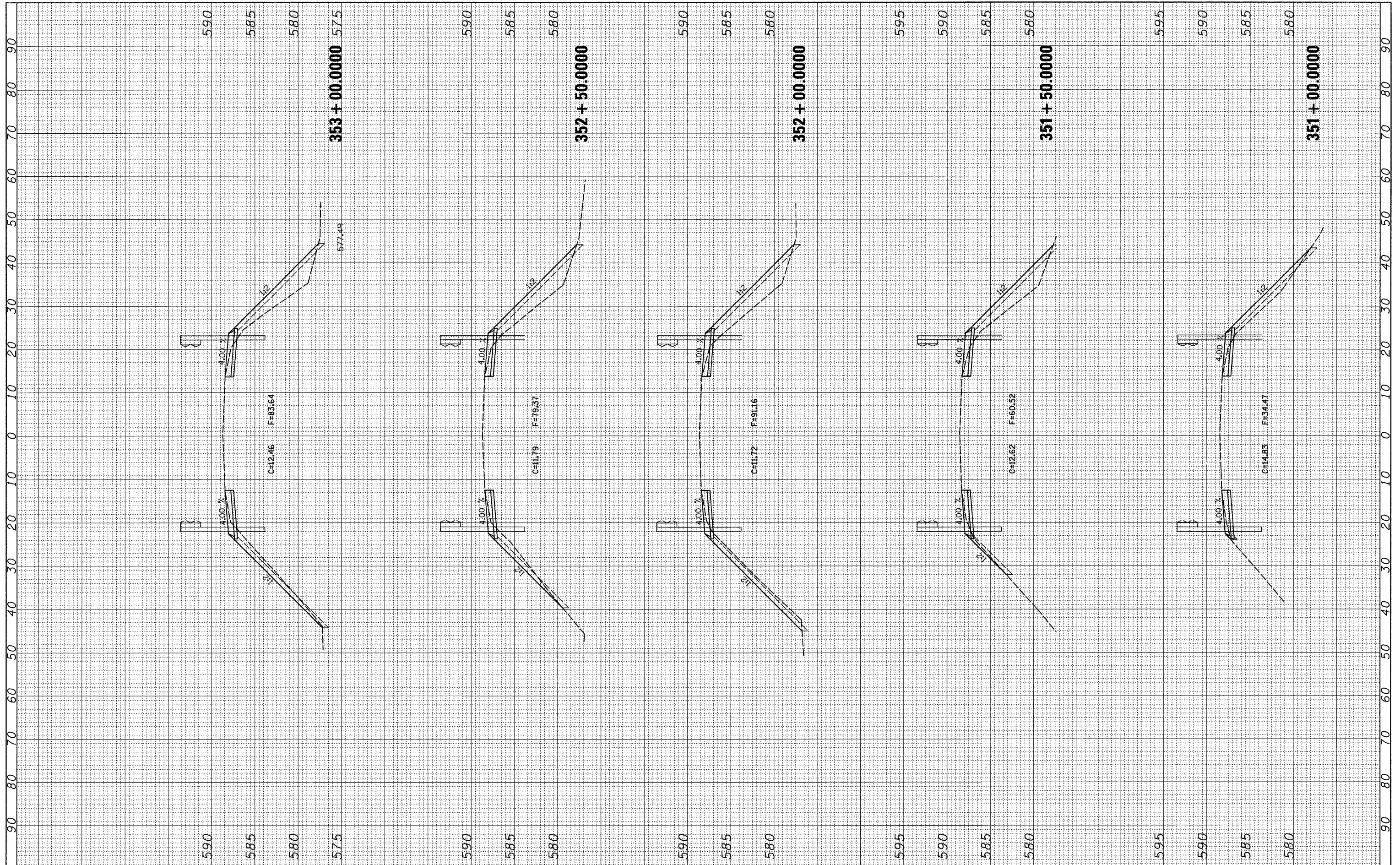
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 348+00.0000 TO STA. 350+50.0000

F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 75
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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FILE NAME = es:\projects\p206006\d06006xm1.dgn

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

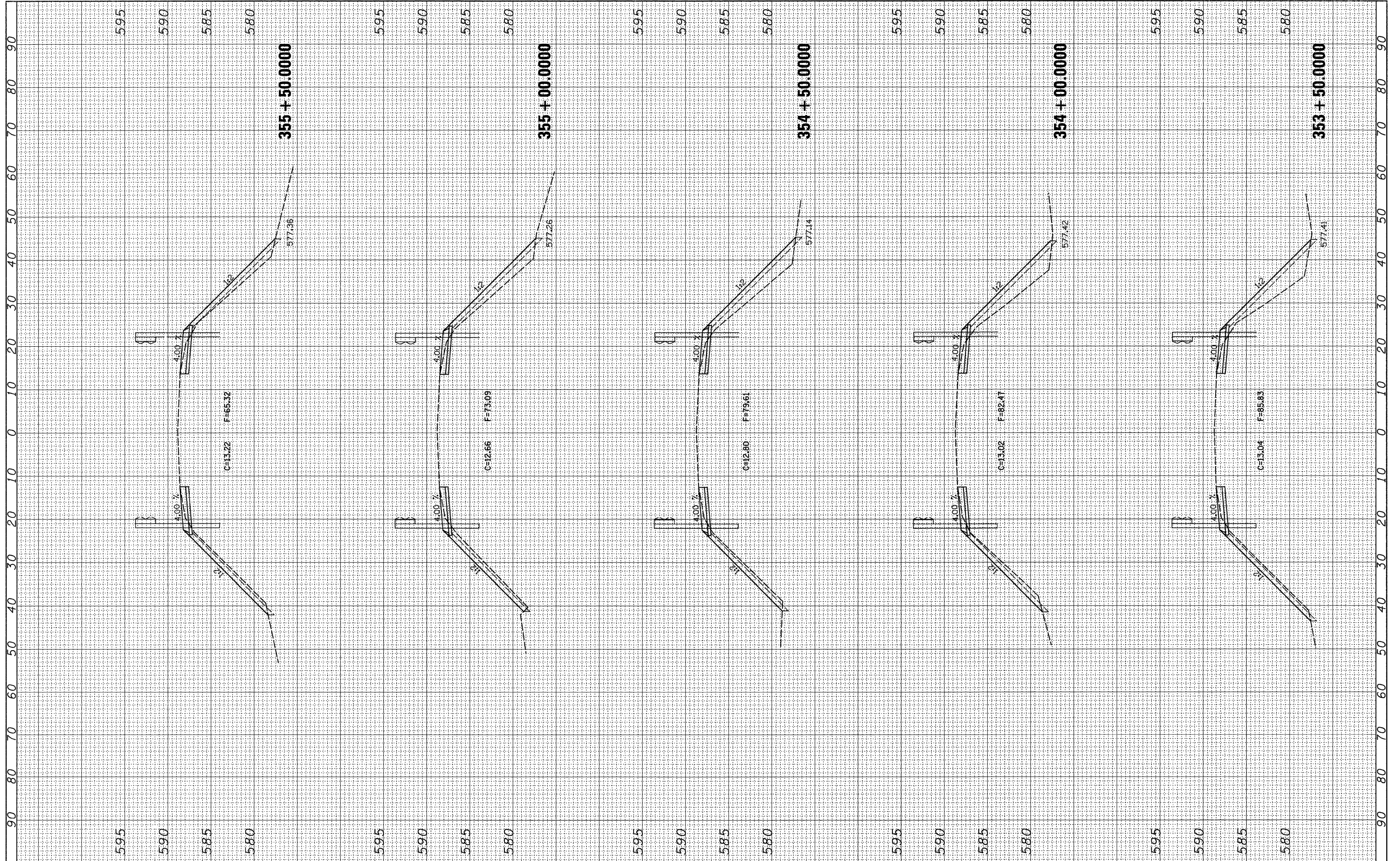
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 351+00.0000 TO STA. 353+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	76
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		



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 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISER -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

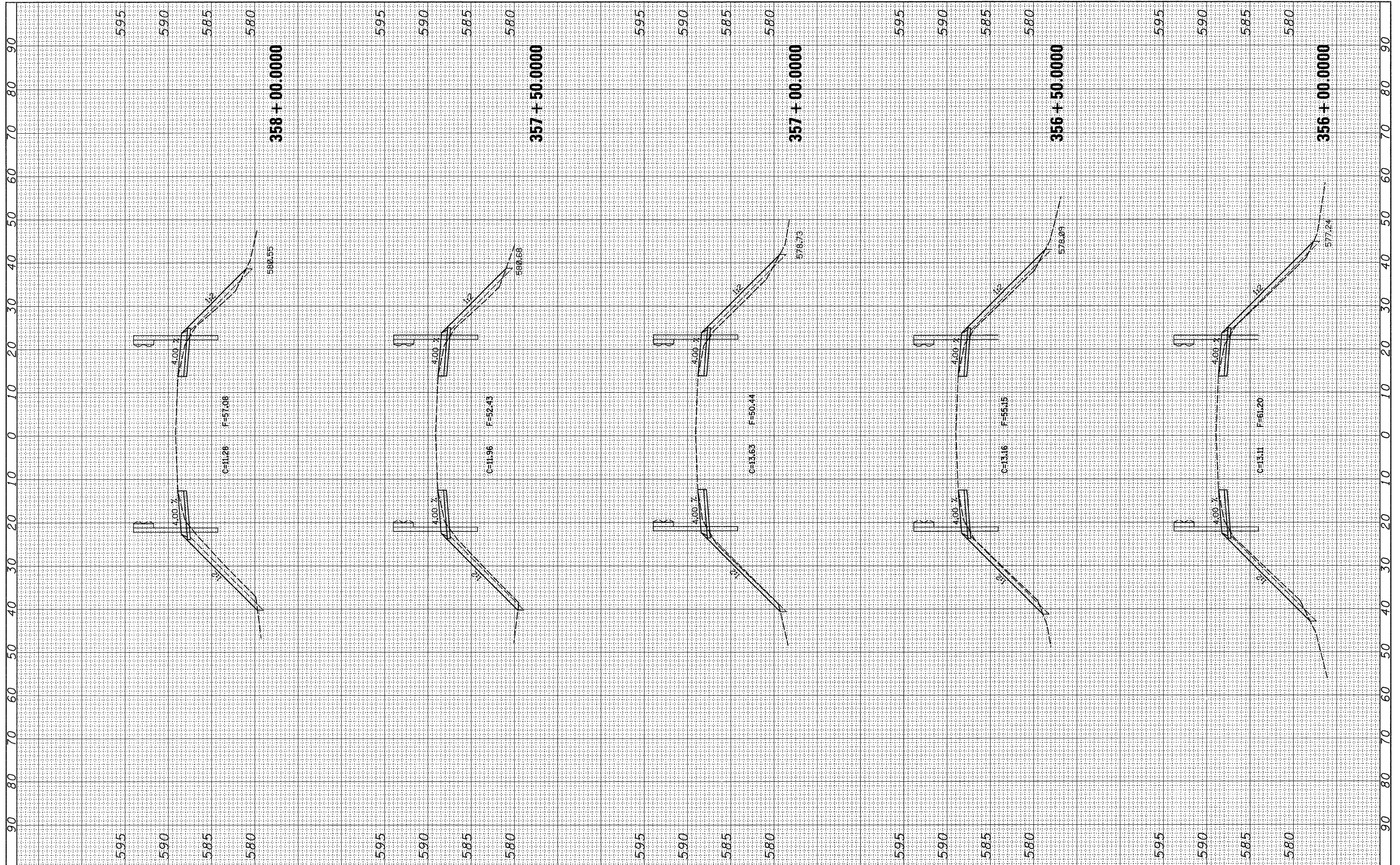
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 353+50.0000 TO STA. 355+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	77
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		



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 CHECKED -
 DATE -

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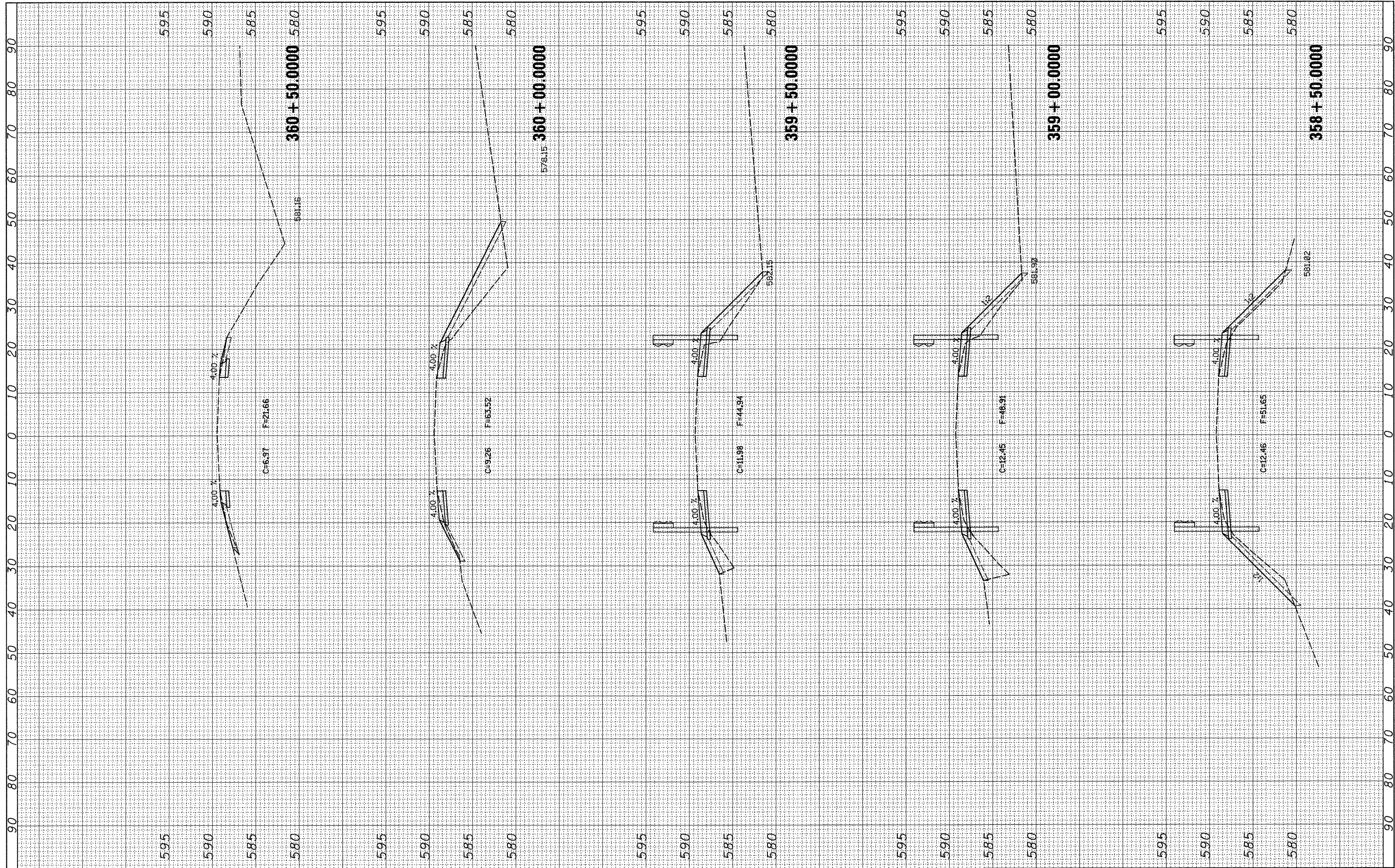
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 84 CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 356+00.0000 TO STA. 358+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	78
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

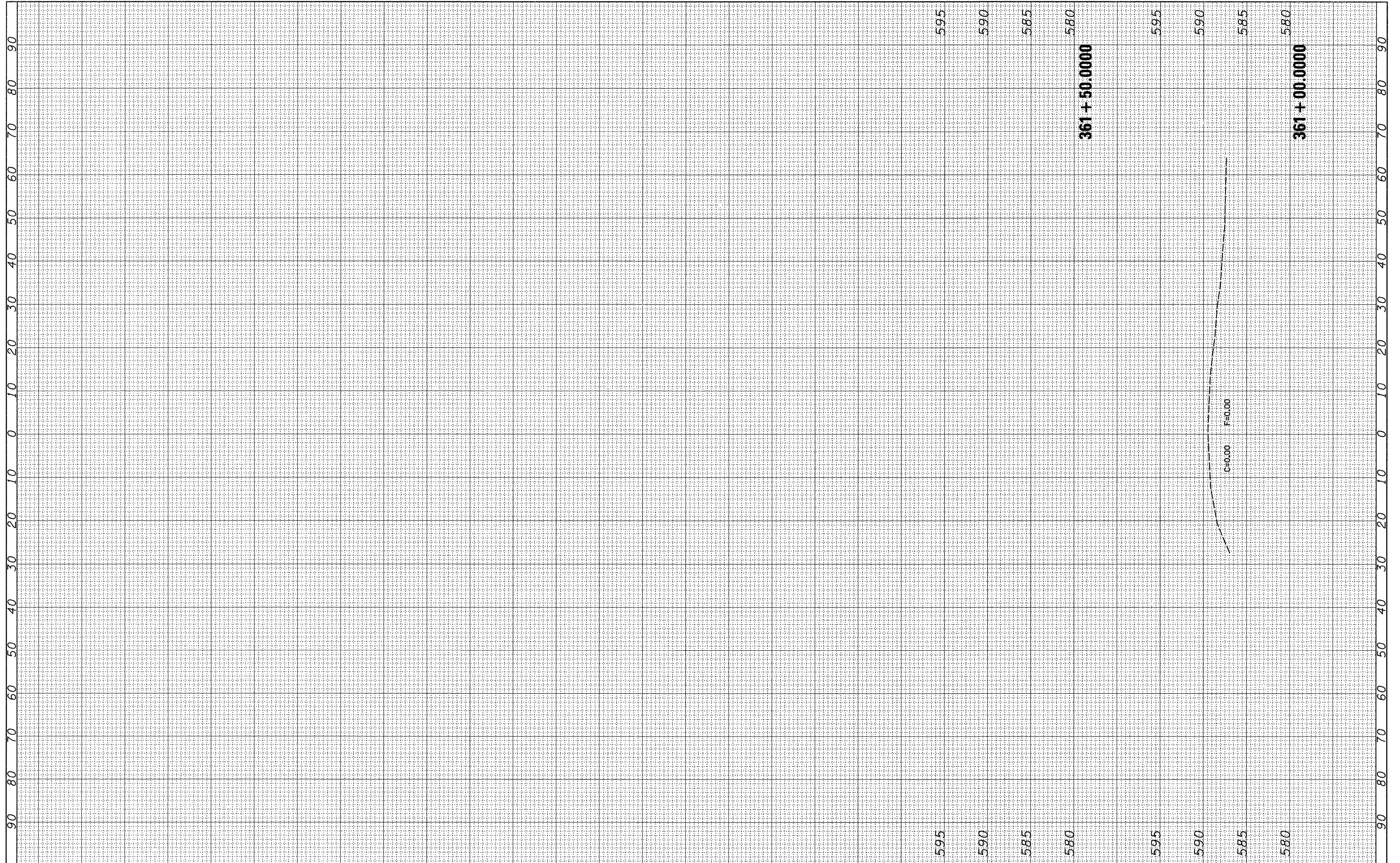
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 358+50,0000 TO STA. 360+50,0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	79
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

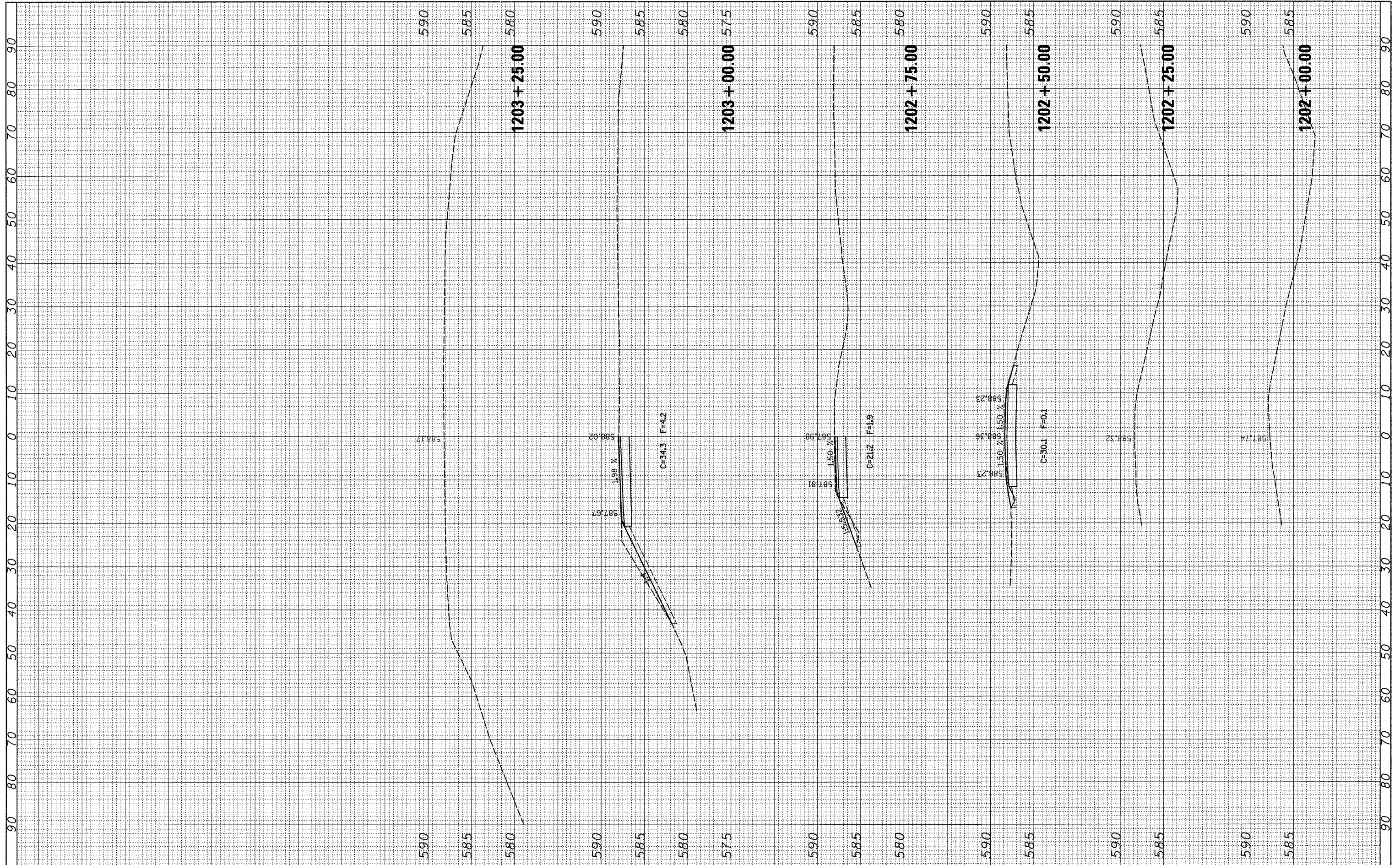
IL 84 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 361+00.0000 TO STA. 361+50.0000

F.A.P. RTE. 308	SECTION 109BR-5	COUNTY WHITESIDE	TOTAL SHEETS 83	SHEET NO. 80
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C25	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		



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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

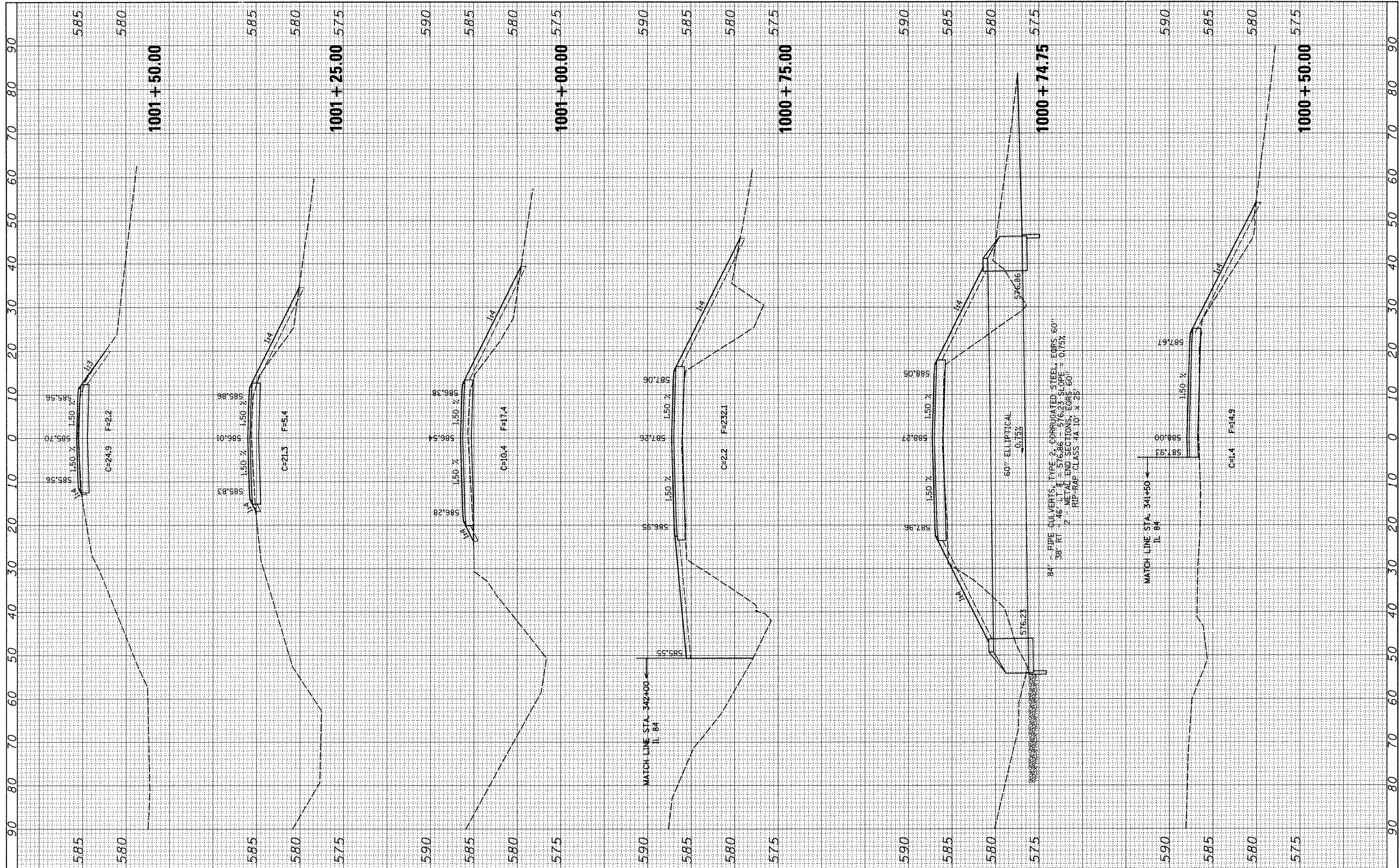
W EBSON CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1202+00.00 TO STA. 1203+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	81
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

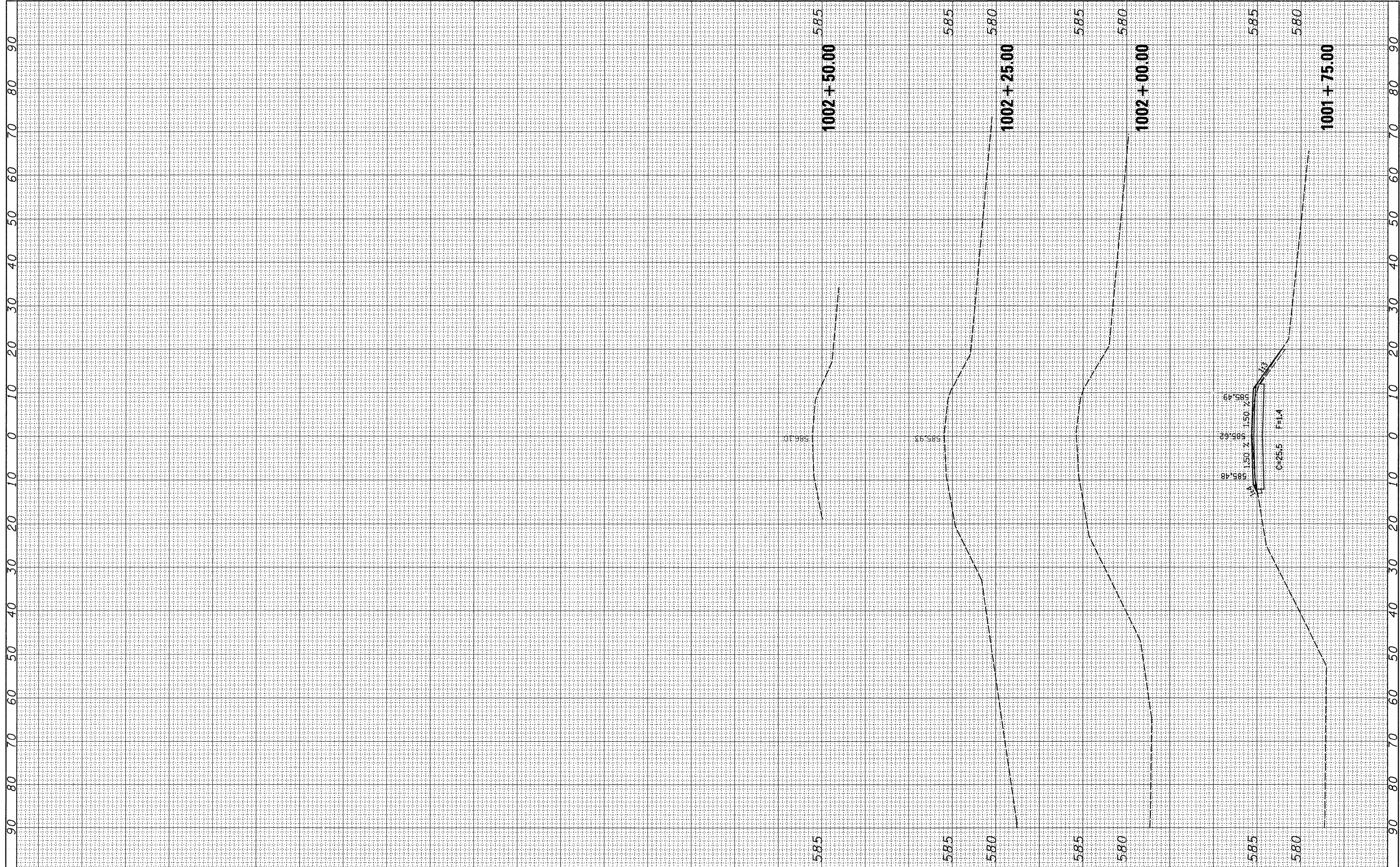
E EBSON CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1000+50.00 TO STA. 1001+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	82
CONTRACT NO. 64C25				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



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DESIGNED -
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 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

E EBSON CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1001+75.00 TO STA. 1002+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	109BR-5	WHITESIDE	83	83
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64C25	