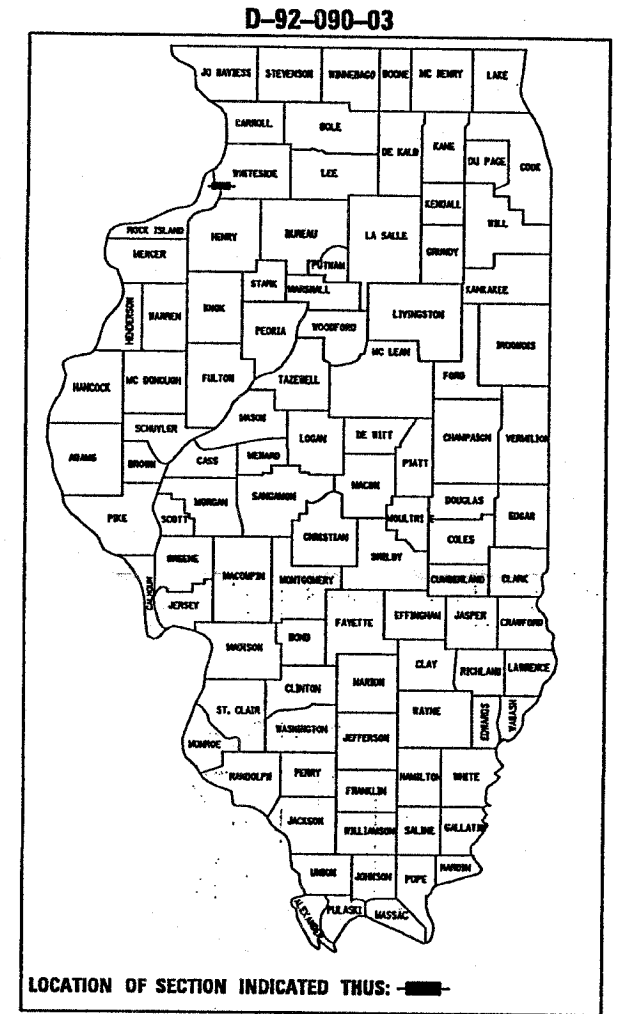


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FAS ROUTE 203 (MOLINE ROAD)
SECTION 11BR-1
OVER MEREDOSIA DITCH
WHITESIDE COUNTY
PROJECT NO. BRS-0203 (106)



LOCATION OF SECTION INDICATED THUS: [shaded box]

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
- 3.-4. SUMMARY OF QUANTITIES
5. TYPICAL SECTIONS
6. VERTICAL AND HORIZONTAL CONTROL
- 7.-8. SCHEDULE OF QUANTITIES
- 9.-10. PLAN AND PROFILE MOLINE ROAD
11. TRAFFIC CONTROL PLAN
- 12.-20. STRUCTURE PLANS
- 21.-22. SOIL BORINGS
- 23.-31. EXISTING BRIDGE PLANS (FOR INFORMATION ONLY)
32. CONCRETE HEADWALLS FOR PIPE DRAINS (27.4)
DELINEATOR AND POST ORIENTATION (37.4)
DRAIN FOR AGGREGATE BASE COURSE (96.4)
33. TYPICAL BENCHING ON EXISTING EMBANKMENT (50.4)
34. STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL) (52.1)
EROSION CONTROL DETAILS FOR SILT FENCE (29.2)
WITNESS MARKER AND PERMANENT SURVEY MARKERS, TYPE II (66.2)
35. TRAFFIC CONTROL FOR ROAD CLOSURE (40.1)
36. DETAILS OF PLANTING AND BRACING TREES (92.1)
- 37.-43. CROSS SECTIONS

HIGHWAY STANDARDS

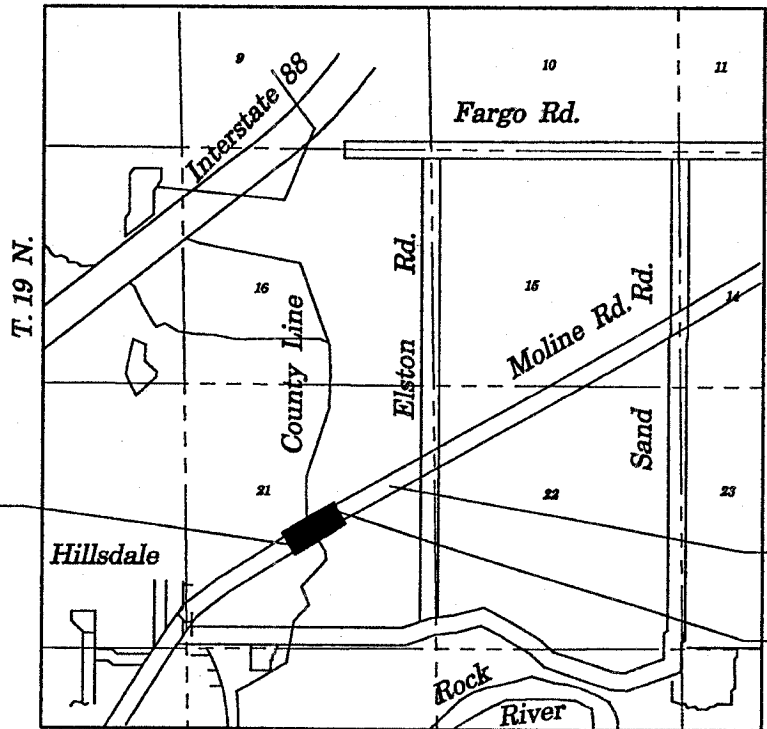
- | | |
|-----------|--|
| 000001-04 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001 | AREA OF REINFORCEMENT BARS |
| 280001-02 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-06 | PAVEMENT JOINTS |
| 420401-05 | BRIDGE APPROACH PAVEMENT |
| 421001-01 | BAR REINFORCEMENT FOR CRC PAVEMENT |
| 515001-02 | NAME PLATE FOR BRIDGES |
| 542401 | METAL END SECTION FOR PIPE CULVERTS |
| 601101 | CONCRETE HEADWALL FOR PIPE DRAINS |
| 630001-06 | STEEL PLATE BEAM GUARDRAIL |
| 630301-03 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631031-05 | TRAFFIC BARRIER TERMINAL, TYPE 6 |
| 635001 | DELINEATORS |
| 635006-02 | REFLECTOR AND TERMINAL MARKER PLACEMENT |
| 635011-01 | REFLECTOR MARKER AND MOUNTING DETAILS |
| 667101 | PERMANENT SURVEY MARKERS |
| 701311-02 | LANE CLOSURE, 2L, 2M, MOVING OPERATIONS-DAY ONLY |
| 702001-06 | TRAFFIC CONTROL DEVICES |
| 720011 | METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS |
| 780001-01 | TYPICAL PAVEMENT MARKINGS |
| 781001-02 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |

TRAFFIC DATA

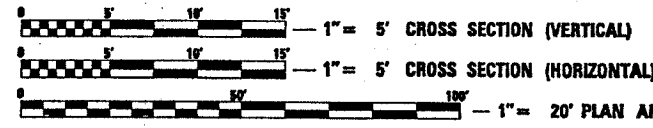
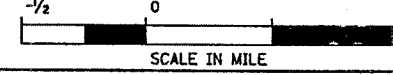
HIGHWAY CLASSIFICATION: MAJOR COLLECTOR
 2008 ADT = 3100
 DESIGN SPEED 55 MPH
 POSTED SPEED 55 MPH

SECTION 115BR-1
INCLUDES THE REMOVAL OF EXISTING
STRUCTURE NO. 098-0003 AND
CONSTRUCTION OF THE NEW
STRUCTURE 098-0111, A THREE SPAN
STRUCTURE OVER MEREDOSIA DITCH
AT STA 428+20.80
101'-10 3/4" BACK TO
BACK OF ABUTMENT

SECTION & IMPROVEMENT
BEGINS STA. 423+75



NET LENGTH OF SECTION 850 FEET (0.16 MILES)
 GROSS LENGTH OF SECTION 850 FEET (0.16 MILES)



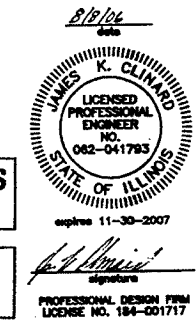
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 64939

IMPROVEMENT ENDS
STA. 435+35

SECTION ENDS
STA. 432+25



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED August 15, 2006

Shirley Z. Manton
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 13, 2006
 Mike Hine
 ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2006
 Milton R. Seas P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

DISTRICT 2 DIXON IL

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CHAMLIN & ASSOCIATES
 PERU ILLINOIS MORRIS

PROJECT ENGINEER
 BECKY MARRUFFO

SQUAD LEADER
 THOMAS HALLA 815-284-5993

SENIOR SQUAD LEADER
 MIKE YUSEF 815-284-5354

JAMES K. CLINARD
 CHAMLIN & ASSOCIATES
 815-223-3344

F.A.S. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
209	11BR-1	WHITESIDE	43	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

- 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 FOUR 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 914 CUBIC YARDS OF EARTH WILL BE HAULED TO THE JOB FROM OUTSIDE THE PROJECT LIMITS. A SHRINKAGE FACTOR OF 25% HAS BEEN USED.
- THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A BALT TOLERANT ROAD MIXTURE SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING CLASS 1 LAWN MIXTURE. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
- FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOIL AT THE RATE SPECIFIED IN SECTIONS 269 AND 282 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- MULCH METHOD 2 SHALL BE APPLIED OVER ALL SEEDING AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.
- DELETED
- THE SUBGRADE ON THIS PROJECT, EXCLUSIVE OF ROCK CUT AREA IS SCHEDULED TO BE IMPROVED TO A 12" DEPTH ACCORDING TO MECHANISTIC PAVEMENT DESIGN. THE AREAS SCHEDULED TO BE IMPROVED TO A DEPTH GREATER THAN 12" ARE ESTIMATED BASED ON THE ORIGINAL GEOTECHNICAL INVESTIGATION. THE SUBGRADE SHALL BE PROCESSED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE THE ENGINEER SHALL DETERMINE THE LIMITS AND THE ADDITIONAL THICKNESS OF IMPROVEMENT REQUIRED, IF ANY.
- PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
- BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. ON MOLINE ROAD, COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR LEVELING BINDER (MACHINE METHOD) OF THE TYPE SPECIFIED.
- 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 TOP SIZE 150 MM (6") BREAKER-RUN CRUSHED STONE WITH 70% TO 80% BY WEIGHT, PASSING THE 4" SIEVE AND 10% TO 40% BY WEIGHT, PASSING THE 60 MM (2" SIZE) SIEVE, EXCEPT FOR THE TOP 75 MM (3") THE BREAKER-RUN CRUSHED STONE SHALL BE REASONABLY UNIFORMLY GRADE 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:

	SUPERPAVE BINDER	SUPERPAVE LEVEL BINDER	SUPERPAVE SURFACE
PG GRADE	PG 64-22	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE **	25%	25%	15%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 12.0 OR IL 9.5
FRICION AGGREGATE			MIXTURE C
PLANT CONTROL LIMITS	CLASS I	CLASS I	CLASS I
DENSITY TEST METHOD	CORES/NUCLEAR	SATISFACTION OF ENGINEER	CORES/NUCLEAR

* SEE SPECIALS
 ** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

- THE CONTRACTOR WILL BE REQUIRED TO FURNISH 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 8' 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.
- A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.
- THE NEW NUMBER FOR THIS STRUCTURE WILL BE 099-0111.
- 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 ERIC HARM, 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 ADDITIONAL THICKNESS OF PROPOSED PAVEMENT REQUIRED TO MATCH THE BRIDGE APPROACH PAVEMENT, SHOWN IN STANDARD 420401, SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND NOT PAID FOR SEPARATELY.

- THE CURB IS REQUIRED ON THE BRIDGE APPROACH PAVEMENT AS SHOWN ON STANDARD 420401.
- CULVERT AND 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 PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE.
- THE CONTRACTOR SHALL STRAIGHTEN OR CUT OFF THE ENDS OF EXISTING ENTRANCE CULVERTS THAT WILL HAVE NEW METAL END SECTIONS INSTALLED. THE COST OF THIS WILL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR END SECTIONS OF THE SIZE SPECIFIED.
- 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 1 SPECIAL (FLARED).
- ONE 18D GALVANIZED NAIL SHALL BE USED TO TIE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE 1 SPECIALS.
- DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 435001, EXCEPT THAT THE POST SHALL BE ROTATED 150° 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.
- PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1MILE 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.
- WORK ON THIS PROJECT WILL BE IN PROGRESS AT THE SAME TIME AS OTHER PROJECTS
 WORK ON THESE PROJECTS SHALL BE SCHEDULED TO KEEP INTERFERENCE BETWEEN ALL THE PROJECTS TO A MINIMUM. THE CONTRACTORS SHALL INFORM EACH OTHER OF PROGRESS OF THE PROJECTS AND GIVE FAIR WARNING TO THE OTHER CONTRACTORS WHEN A PROBLEM MIGHT BE ENCOUNTERED.
- 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:
 KINDER-MORGAN ENERGIES PARTNERS GAS
 COMMONWEALTH EDISON COMPANY ELECTRIC
 CITIZENS TELEPHONE
 ALLIANCE PIPELINE COMPANY PETROLEUM
 NORTHERN BORDER PIPELINE COMPANY PETROLEUM
 LIGHTCORE COMMUNICATIONS
 FOLLOWING ARE THE KNOWN UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS WHICH ARE NOT MEMBERS OF JULIE AND SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR:
 IDOT-DISTRICT 2 GOVERNMENT (815) 284-2469
 819 DEPOT AVENUE
 DIXON, IL 61821
- THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.
 PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = LETTING DATE + 135 DAYS.
- 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.
- 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.

COMMITMENTS

- THERE ARE THREE JURISDICTIONAL WETLANDS LOCATED WITHIN THE PROJECT AREA AND TO THE WEST OF THE BRIDGE. THESE WETLANDS ARE BEYOND THE CONSTRUCTION LIMITS AND WILL NOT BE IMPACTED BY PROJECT CONSTRUCTION.
- THESE WETLANDS ARE SHOWN ON THE PLAN SHEET IN THE DESIGN REPORT AND WILL BE SHOWN ON THE CONTRACT PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING A TEMPORARY OCCUPANCY PERMIT REQUIRED FROM THE BNSF RAILROAD FOR WORK CONDUCTED WITHIN RAILROAD PROPERTY. THE CONTRACTOR'S RESPONSIBILITIES SHALL INCLUDE COMPLETING THE PERMIT APPLICATION, PROVIDING REQUIRED DRAWINGS OF THE AREA TO BE OCCUPIED INCLUDING DISTANCE TO TRACKS, CROSS STREETS, MILEPOSTS, AND DISTINGUISHING LANDMARKS, COMPLETING THE REQUIRED INTERNET SAFETY TRAINING PROGRAM (BY ALL PARTIES WHO WILL BE WORKING AT THE SITE), MEETING INSURANCE REQUIREMENTS, COMPLETING THE NECESSARY COORDINATION WITH THE BNSF ROADMASTER AND PAYMENT OF ALL APPLICABLE FEES (AS OF 1/18/2005 FEES INCLUDE A \$250 PROCESSING FEE, \$1000 FOR THE OCCUPANCY PERMIT AND \$500 FOR RAILROAD PROTECTIVE LIABILITY INSURANCE COVERAGE). THREE MONTHS PRIOR TO THE REQUIRED OCCUPANCY, THE CONTRACTOR SHALL SUBMIT THE REQUIRED PERMIT APPLICATION TO MS. CATHY BENTON (815229-2629) AT STAIRBACH GLOBAL SERVICES WHO HANDLES TEMPORARY OCCUPANCY PERMITS FOR THE BNSF RAILROAD. (SEE PROJECT REPORT FIGURE 4, SHEETS 7 - 12)
- TWO WEEKS PRIOR TO CLOSING MOLINE ROAD FOR THE STATE ROUTE DETOUR, THE RESIDENT ENGINEER SHALL NOTIFY THE CHIEF OF ERIE FIRE PROTECTION DISTRICT AT 309668-2014 OF THE UPCOMING ROAD CLOSURE.
- TWO WEEKS PRIOR TO CLOSING MOLINE ROAD FOR THE STATE ROUTE DETOUR, THE RESIDENT ENGINEER SHALL NOTIFY THE MS. JANE KEAG, DIRECTOR OF THE ERIE AMBULANCE SERVICE, OF THE UPCOMING ROAD CLOSURE. SHE CAN BE CONTACTED AT THE FOLLOWING TELEPHONE NUMBERS:
 309669-2568 (HOME)
 309669-2239 (EXT. 2525)
 309669-7795 (AMBULANCE OFFICE - NOT STAFFED)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 GENERAL NOTES
 FAS 203 (MOLINE ROAD)
 SECTION 11BR-1
 WHITESIDE COUNTY

SCALE: VERT. DRAWN BY ARR
 HORIZ. CHECKED BY JRC
 DATE 1105

SCALE = 1" = 20'
 PLAN SCALE = 1" = 40'
 VERT. SCALE = 1" = 10'

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Item No.	Item	Unit	80 % FED. 20% STATE			
			Total	X020-2A ROADWAY	X020-2A ROADWAY	X020-2A BRIDGE
			QUANTITY			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	6	—	6	—
20200100	EARTH EXCAVATION	CU YD	51	19	32	—
20300100	CHANNEL EXCAVATION	CU YD	26	—	26	—
20400800	FURNISHED EXCAVATION	CU YD	914	278	636	—
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	66	—	—	66
* 25000750	MOWING	ACRE	0.9	0.4	0.5	—
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	145	65	80	—
28000300	TEMPORARY DITCH CHECK	EACH	1	1	—	—
28000400	PERIMETER EROSION BARRIER	FOOT	1000	525	475	—
28000500	INLET AND PIPE PROTECTION	EACH	1	—	1	—
28100107	STONE RIPRAP, CLASS A4	SQ YD	438	—	—	438
28200200	FILTER FABRIC	SQ YD	438	—	—	438
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	528	298	230	—
35101400	AGGREGATE BASE COURSE, TYPE B	TON	86	22	64	—
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2.5	—	2.5	—
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	222	111	111	—
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	627	280	347	—
44000700	APPROACH SLAB REMOVAL	SQ YD	114	57	57	—
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	900	461	439	—
44004300	PAVEMENT BREAKING	SQ YD	905	498	407	—
48101200	AGGREGATE SHOULDERS, TYPE B	TON	547	218	329	—
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	—	—	1
50200100	STRUCTURE EXCAVATION	CU YD	110	—	—	110
50300100	FLOOR DRAINS	EACH	12	—	—	12
50300225	CONCRETE STRUCTURES	CU YD	118.0	—	—	118.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	228.8	—	—	228.8
50300260	BRIDGE DECK GROOVING	SQ YD	336	—	—	336
50300300	PROTECTIVE COAT	SQ YD	673	111	111	451
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	47660	—	—	47660
51201300	FURNISHING STEEL PILES HP8X36	FOOT	551	—	—	551
51201600	FURNISHING STEEL PILES HP12X53	FOOT	537	—	—	537
51202700	DRIVING STEEL PILES	FOOT	1088	—	—	1088
51203300	TEST PILE STEEL HP8X36	EACH	1	—	—	1
51203600	TEST PILE STEEL HP12X53	EACH	1	—	—	1
51204600	METAL SHOES	EACH	22	—	—	22
51500100	NAME PLATES	EACH	1	—	—	1

* 25000750

PLOT DATE = 07/06
 PLOT SCALE = NONE
 USER NAME = CHANS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAS 203 (MOLINE ROAD)
 SECTION 11BR-1
 WHITESIDE COUNTY

SCALE: VERT.
 HORIZ.
 DATE 12/05

DRAWN BY ARR
 CHECKED BY JKC

NON-PARTICIPATING *SPECIALTY ITEM

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID	PROJECT	

Item No.	Item	Unit	80 % FED. 20% STATE			
			Total	X020-2A	X020-2A	X020-2A
			QUANTITY	ROADWAY	ROADWAY	BRIDGE
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	144	—	144	—
54213450	END SECTIONS 15"	EACH	3	—	3	—
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	36	—	—	36
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	101	—	—	101
60801015	FLAP GATE 15"	EACH	1	—	1	—
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	412.5	175	237.5	—
* 63000130	STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)	FOOT	37.5	37.5	—	—
* 63100045	TRAFFIC BARRIER TERMINAL TYPE 2	EACH	1	1	—	—
* 63100085	TRAFFIC BARRIER TERMINAL TYPE 6	EACH	4	2	2	—
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	2	1	1	—
* 63100169	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	1	—	1	—
63200310	GUARDRAIL REMOVAL	FOOT	241	127	114	—
63500105	DELINEATORS	EACH	3	1	2	—
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2	—	—
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	3	—
67100100	MOBILIZATION	L SUM	1	0.5	0.5	—
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3820	1910	1910	—
78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	3	5	—
78200520	BARRIER WALL MARKERS, TYPE B	EACH	4	2	2	—
78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	3	1	2	—
* A2007814	TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	6	6	—	—
X0325519	DRAIN FOR AGGREGATE BASE COURSE	SQ YD	14	6	8	—
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	246	75	171	—
X4066735	LEVELING BINDER (HAND METHOD), SUPERPAVE, N50	TON	3	1.5	1.5	—
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N50	TON	173	94	79	—
X4073071	BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 9 1/2"	SQ YD	692	391	301	—
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1	—	—	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1	—	—	1
X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM	1	0.5	0.5	—
Z0002600	BAR SPLICERS	EACH	66	—	—	66
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5	—
Z0028415	GEO TECHNICAL REINFORCEMENT	SQ YD	772	436	336	—
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5	—

* SPECIALTY ITEM

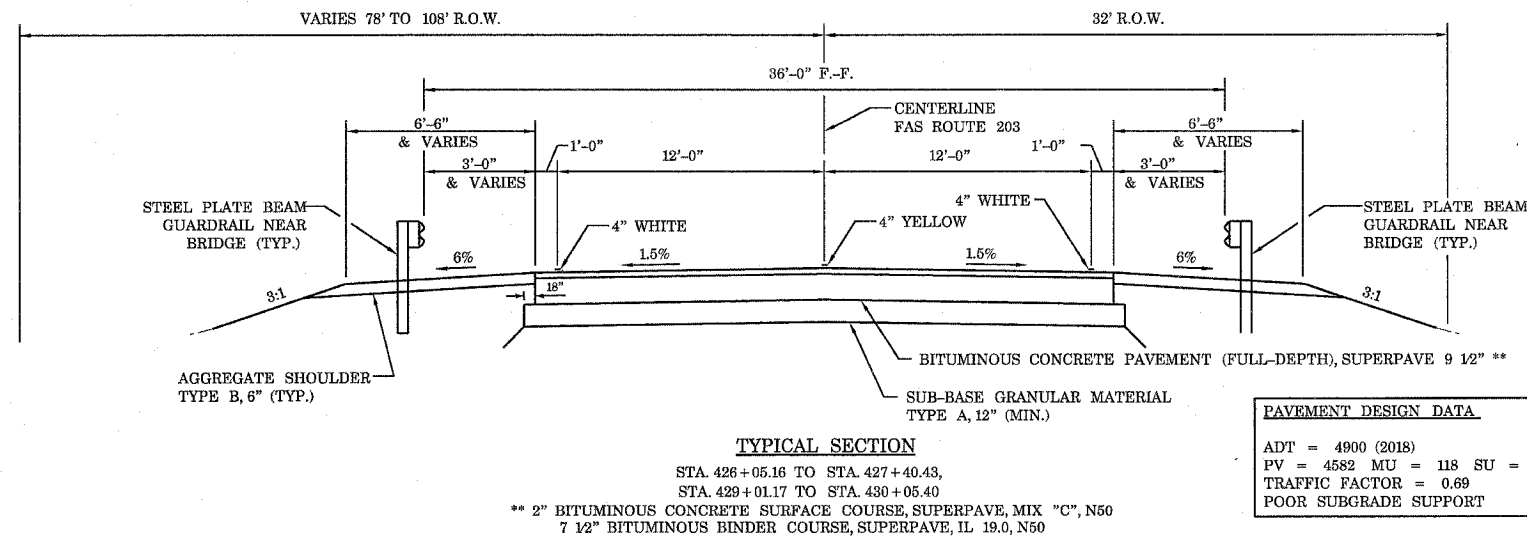
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAS 203 (MOLINE ROAD)
 SECTION 11BR-1
 WHITESIDE COUNTY

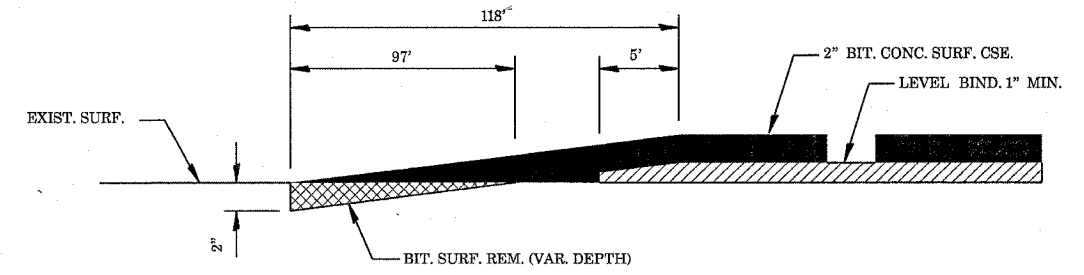
SCALE: VERT.
 HORIZ.
 DATE 12/05

DRAWN BY ARR
 CHECKED BY JKC

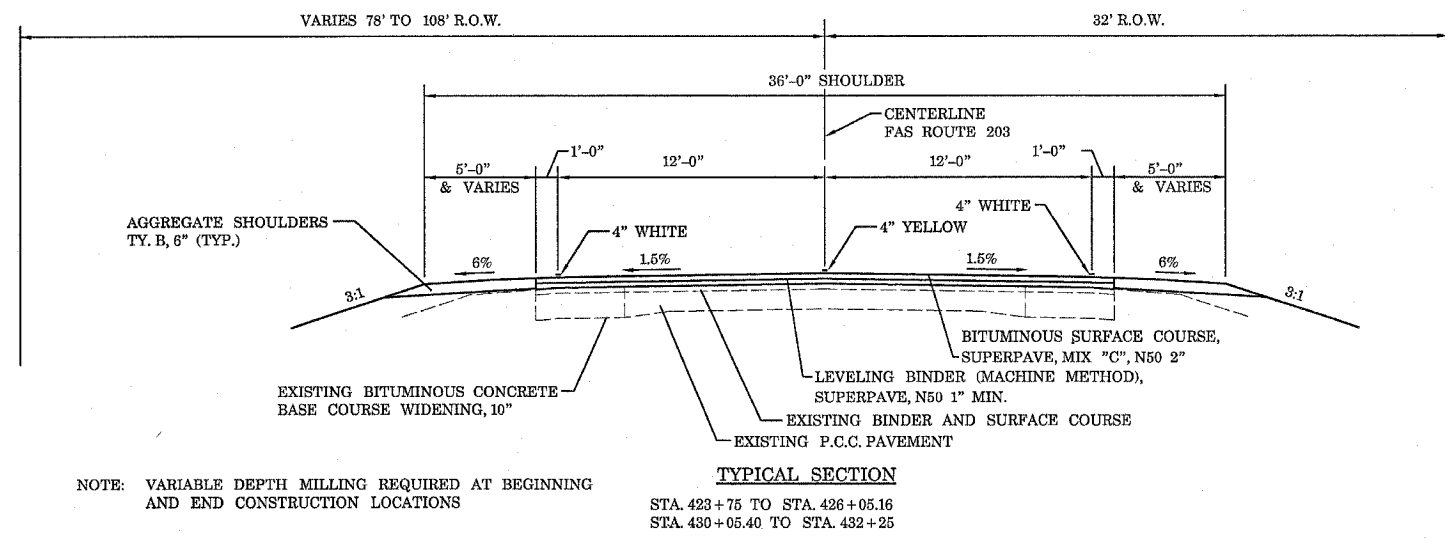
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



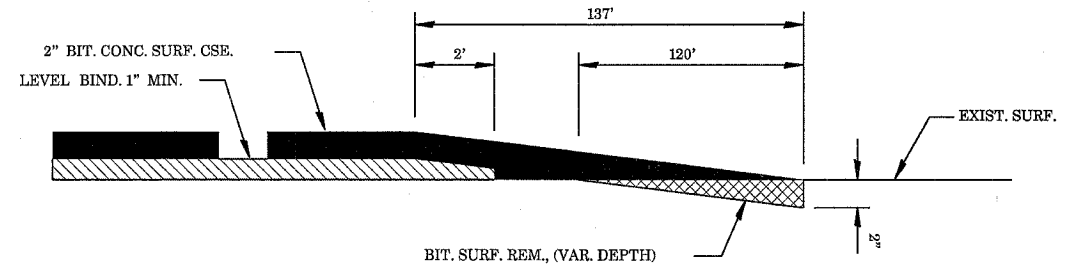
PAVEMENT DESIGN DATA	
ADT =	4900 (2018)
PV =	4582 MU = 118 SU = 200
TRAFFIC FACTOR =	0.69
POOR SUBGRADE SUPPORT	



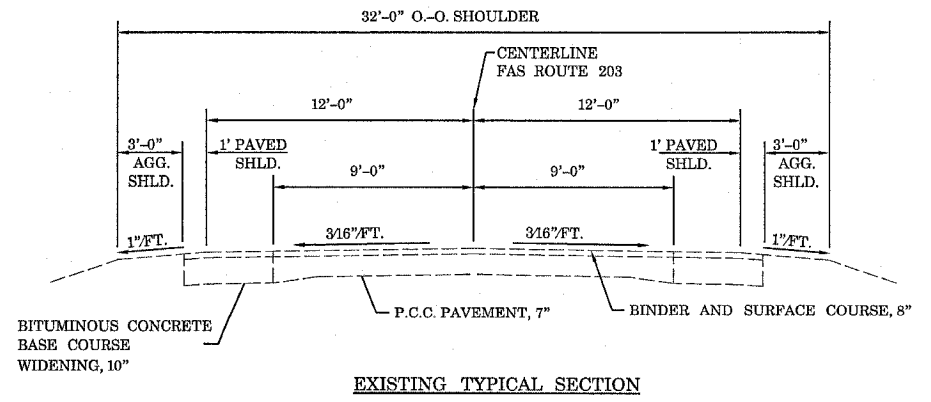
TAPER DETAIL
 STA 423+75 TO STA 424+72



NOTE: VARIABLE DEPTH MILLING REQUIRED AT BEGINNING AND END CONSTRUCTION LOCATIONS



TAPER DETAIL
 STA 430+88 TO STA 432+25



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 FAS 203 (MOLINE ROAD)
 SECTION 115BR-1
 WHITESIDE COUNTY

SCALE: VERT. 1" = 800'
 HORIZ. 1" = 800'
 DATE 12/05

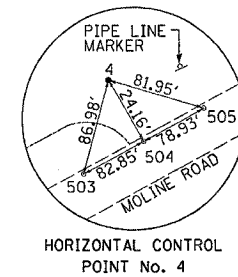
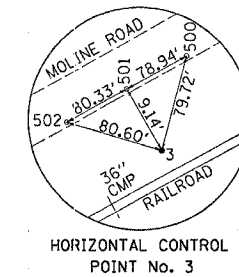
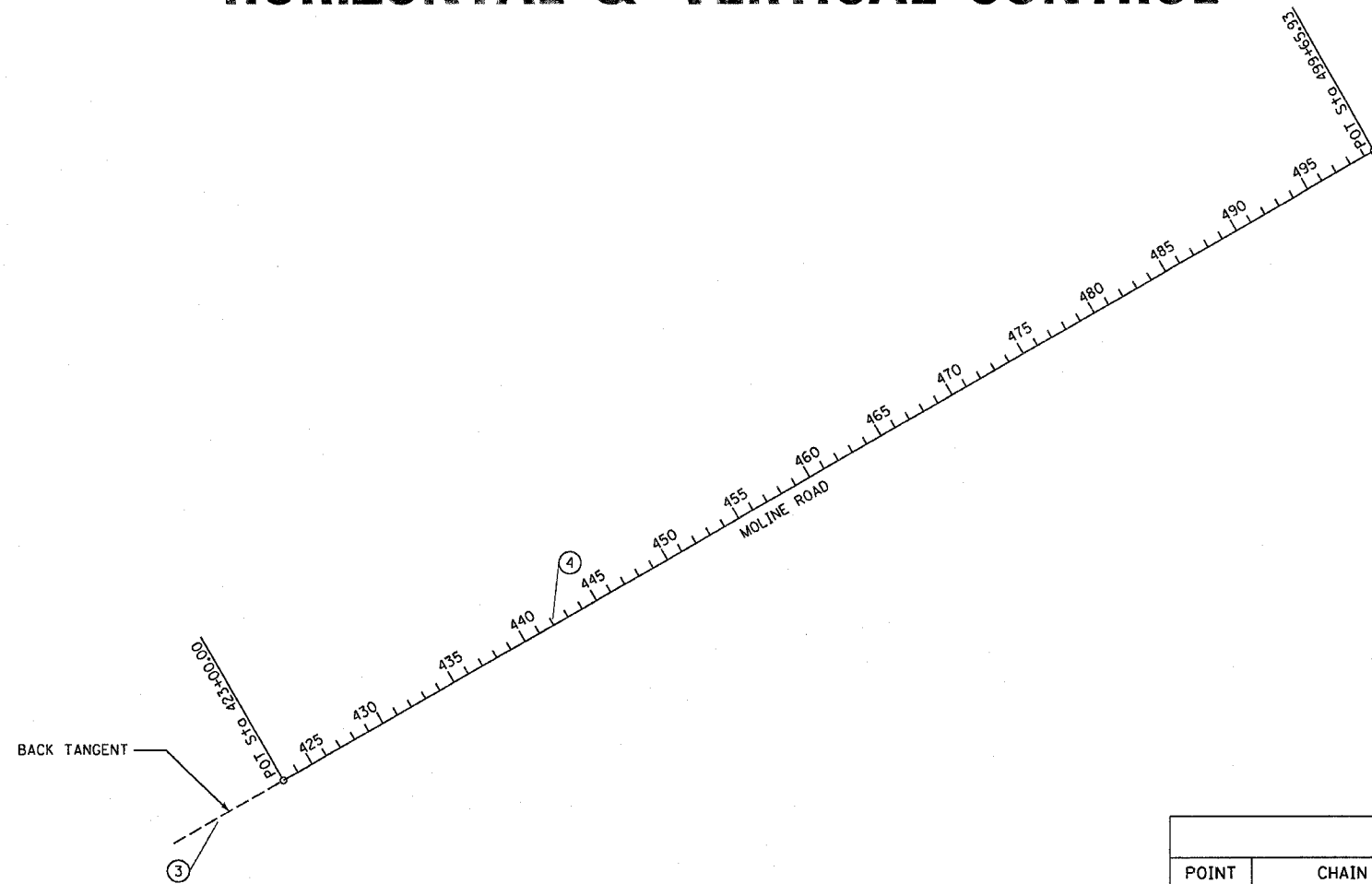
DRAWN BY NOE
 CHECKED BY JKC

BITUMINOUS 112 LBS./SQ. YD. - INCH

DATE = 9/18/85
 PLOT SCALE = 1" = 20'
 USER NAME = CHANS

HORIZONTAL & VERTICAL CONTROL

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	ALIGNMR	419+05.26	11.22' RT.	SURVEY NAIL IN BITUMINOUS PAINT STRIPE
501	ALIGNMR	418+26.29	11.27' RT.	SURVEY NAIL IN BITUMINOUS PAINT STRIPE
502	ALIGNMR	417+45.93	11.36' RT.	SURVEY NAIL IN BITUMINOUS PAINT STRIPE
503	ALIGNMR	441+31.08	11.38' LT.	SURVEY NAIL IN BITUMINOUS PAINT STRIPE
504	ALIGNMR	442+13.96	11.45' LT.	SURVEY NAIL IN BITUMINOUS PAINT STRIPE
505	ALIGNMR	442+92.92	11.43' LT.	SURVEY NAIL IN BITUMINOUS PAINT STRIPE

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
3	1803736.812	2297137.115	580.084	ALIGNMR	418+26.04	20.41' RT.	REBAR WITH RED AMERICAN SURVEY CONSULTANT CAP
4	1804976.859	2299179.370	578.072	ALIGNMR	442+14.63	35.67' LT.	REBAR WITH RED AMERICAN SURVEY CONSULTANT CAP

Chain ALIGNMR contains:
21 25

Beginning chain ALIGNMR description

Point 21 N 1,803,990.9137 E 2,297,537.7217 Sta 423+00.000
 Course from 21 to 25 N 60° 04' 44.51" E Dist 7,665.9283
 Point 25 N 1,807,814.7170 E 2,304,181.8910 Sta 499+65.928

Ending chain ALIGNMR description

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
403	1804210.9100	2297951.8500	580.79	ALIGNMR	427+68.67	15.90' RT.	CHISELED BOX S.W. CORNER OF BRIDGE DECK
404	1804146.4700	2297942.3900	582.71	ALIGNMR	427+28.32	67.03' RT.	CHISELED BOX N. END OF WEST CONC. RETAINING WALL @ R.R.

FILE NAME : ZP19033HYC
 SHEET : 6 OF 43
 PLOT SCALE : 1" = 400'
 OPERATOR : CHANS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

20100110

TREE REMOVAL (6 TO 15 UNITS DIA.)	
LOCATION	UNIT
STA 430+14.50, 32' RT.	6
TOTAL	6

28000400

PERIMETER EROSION BARRIER	
LOCATION	FOOT
STA 425+00 TO STA 427+75, LT.	275
STA 425+00 TO STA 427+50, RT.	250
STA 428+75 TO STA 432+00, LT.	325
STA 428+75 TO STA 430+25, RT.	150
TOTAL	1000

EARTHWORK QUANTITIES				
LOCATION	THEORETICAL		SHORTAGE (-) OR EXCESS (+)	REMARKS
	CUT	FILL		
	CU YD	CU YD	CU YD	
			[(A)-0.75]-(B)	
	(A)	(B)	(C)	
STA 423+75.00 TO STA 427+69.86	19	254	-240	MOLINE ROAD
STA 428+71.74 TO STA 432+25.00	32	368	-344	
STA 427+09, 38' LT.	0	38	-38	FIELD ENTRANCE
STA 435+00, 73.5' LT.	0	292	-292	FIELD ENTRANCE
TOTAL	51	952	-914	
	PAY ITEM		PAY ITEM	
	20200100		20400800	

28000500

INLET AND PIPE PROTECTION	
LOCATION	FOOT
STA 429+50, LT.	1
TOTAL	1

20300100

CHANNEL EXCAVATION	
LOCATION	CU YD
STA 427+70.43 TO STA 428+71.17	26
TOTAL	26

28000250

TEMPORARY EROSION CONTROL SEEDING	
LOCATION	POUND
STA 423+75 TO STA 427+58.60, RT.	35
STA 423+75 TO STA 427+83, LT.	30
STA 428+58.59 TO STA 432+25, RT.	45
STA 428+83 TO STA 432+25, LT.	35
TOTAL	145

25000750

MOWING	
LOCATION	ACRE
STA 423+75 TO STA 427+58.6, RT	0.1
STA 423+75 TO STA 428+82.2, LT	0.3
STA 428+53.3 TO STA 432+25.0, RT	0.1
STA 428+83.0 TO STA 432+25.0, LT	0.4
TOTAL	0.9

28000300

TEMPORARY DITCH CHECK	
LOCATION	EACH
STA 427+00, RT	1
TOTAL	1

PAVEMENT SCHEDULE												
LOCATION (STA TO STA)	SQ YD	TON	SQ YD	FOOT	TON	SQ YD	TON	TON	TON	SQ YD	SQ YD	SQ YD
STA 423+75 TO STA 427+60.23, RT.					128							
STA 423+75 TO STA 427+81.12, LT.					90							
STA 423+75 TO STA 426+05.16				461			75		94			
STA 423+75 TO STA 424+72		280										
STA 426+05.16 TO STA 427+40.43	298					6				391	436	
STA 428+60.49 TO STA 432+25, RT.					108							
STA 428+81.37 TO STA 432+25, LT.					121							
STA 429+01.17 TO STA 430+05.40	230					8				301	336	
STA 430+05.40 TO STA 432+25				439			71		79			
STA 431+05 TO STA 432+25			347									
STA 435+00 LT (FIELD ENTRANCE)		64										
STA 427+09 LT (FIELD ENTRANCE)		22										
AS DIRECTED BY THE ENGINEER					100		100	3				
STA 426+05.16 TO STA 427+77.5												498
STA 428+64.3 TO STA 430+05.40												407
TOTAL	528	86	627	900	547	14	246	3	173	692	772	905

PLOT DATE = 8/4/86
 FILE NAME = 203003SCHD
 PLOT SCALE = NONE
 USER NAME = CHRS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF
 QUANTITIES
 FAS 203 (MOLINE ROAD)
 SECTION 11BR-1
 WHITESIDE COUNTY
 SCALE: VERT. DRAWN BY ARR
 HORIZ. CHECKED BY JKC
 DATE: 12/05

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

BRIDGE APPROACH PAVEMENT SCHEDULE			
LOCATION (STA TO STA)	42001165 BRIDGE APPROACH PAVEMENT		50300300 PROTECTIVE COAT
	SQ	YD	
STA 427+40.43 TO STA 427+70.43	111	111	
STA 428+71.17 TO STA 429+01.17	111	111	
TOTAL	222	222	

44000700 APPROACH SLAB REMOVAL	
LOCATION	SQ YD
STA 427+77.50 TO STA 427+97.40	57
STA 428+44.40 TO STA 428+64.30	57
TOTAL	114

542D0220 PIPE CULVERTS, CLASS D, TY 1, 15"	
LOCATION	FOOT
LT. STA. 435+00 (FIELD ENTRANCE)	76
LT. STA. 429+11 (FIELD ENTRANCE) *	68
TOTAL	144

54213450 END SECTIONS, 15"	
LOCATION	EACH
LT. STA. 435+00 (FIELD ENTRANCE)	2
LT. STA. 429+11 (FIELD ENTRANCE) *	1
TOTAL	3

60801015 FLAP GATE, 15"	
LOCATION	EACH
STA 428+82, LT	1
TOTAL	1

* PROVISIONAL PAY ITEM SHOULD THE ENGINEER DETERMINE THE CULVERT AT THIS LOCATION IS NOT OPERATION PROPERLY.

63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	FOOT
STA 425+55.30 TO STA 427+30.30, RT.	175
STA 428+92.30 TO STA 429+79.80, RT.	87.5
STA 429+11.30 TO STA 430+61.30, LT.	150
TOTAL	412.5

63000130 STEEL PLATE BEAM GUARD RAIL, TYPE A, (SPECIAL)	
LOCATION	FOOT
STA 427+29.13, LT	37.5
TOTAL	37.5

63100045 TRAFFIC BARRIER TERMINAL, TYPE 2	
LOCATION	EACH
STA 427+29.13, LT.	1
TOTAL	1

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6	
LOCATION	EACH
STA 427+30.30 TO STA 427+60.95, RT.	1
STA 427+49.30 TO STA 427+79.91, LT.	1
STA 428+61.69 TO STA 428+92.30, RT.	1
STA 428+80.65 TO STA 429+11.30, LT.	1
TOTAL	4

63100167 TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	
LOCATION	EACH
STA 425+55.30, RT.	1
STA 429+79.80, RT.	1
TOTAL	2

63100189 TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (FLARED)	
LOCATION	EACH
STA 430+61.3	1
TOTAL	1

63200310 GUARDRAIL REMOVAL	
LOCATION	FOOT
STA 426+70 TO STA 427+60, RT.	90
STA 427+68 TO STA 427+89, LT.	37
STA 428+62 TO STA 429+62, RT.	90
STA 428+83 TO STA 428+95, LT.	24
TOTAL	241

63500105 DELINEATORS	
LOCATION	EACH
STA 425+05.35, RT.	1
STA 430+29.8, RT.	1
STA 431+11.3, LT.	1
TOTAL	3

78001110 PAINT PAVEMENT MARKING - LINE 4"		
LOCATION	4" YELLOW	4" WHITE
	FOOT	FOOT
STA 423+75 TO STA 432+25 2 APPLICATIONS	420	3400
TOTAL	3820	

78200410 GUARDRAIL MARKERS, TYPE A	
LOCATION	EACH
STA 425+05.3 TO STA 430+29.8, RT	10
STA 427+29.13 TO STA 431+11.26, LT	6
TOTAL	16

78200520 BARRIER WALL MARKERS, TYPE B *	
LOCATION	EACH
BRIDGE	4
TOTAL	4

* MARKERS SHALL BE BIDIRECTIONAL SILVER/SILVER

78201000 TERMINAL MARKER - DIRECT APPLIED	
LOCATION	EACH
AT EACH TYPE 1 TERMINAL	3
TOTAL	3

78200000 TREE REPLACEMENT SCHEDULE					
CODE NO.	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2007814	TILIA AMERICANA	AMERICAN LINDEN/BRASSWOOD	1-34"	EACH	6

(SEE GENERAL NOTE 33 ON SHEET 2)

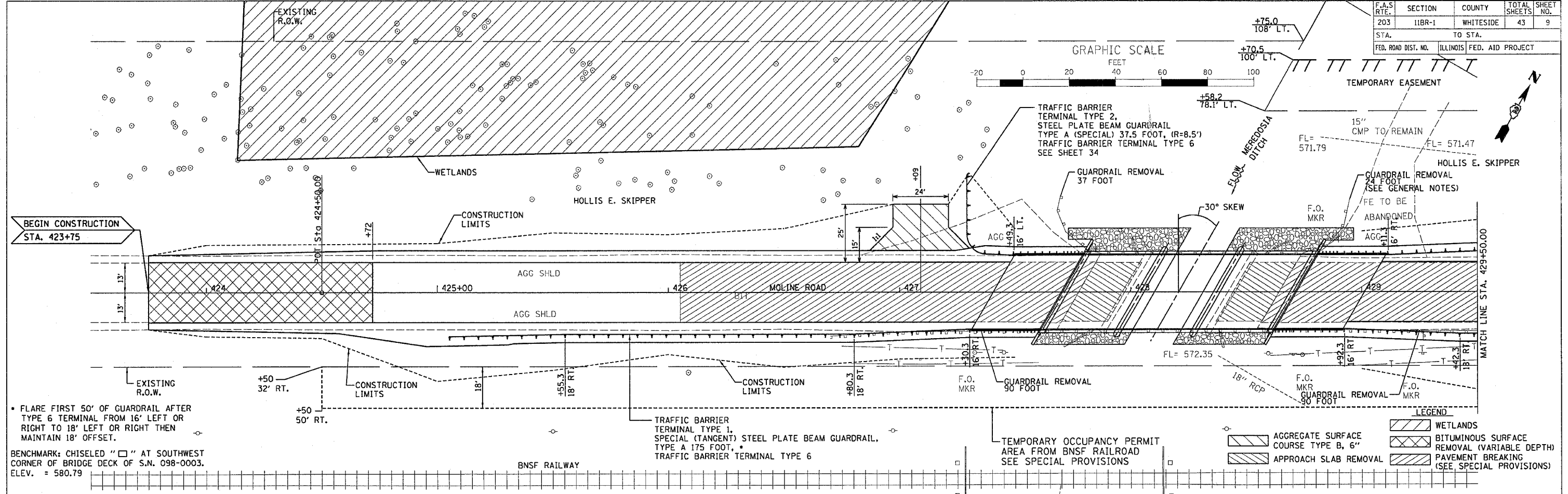
PLT DATE = 84/06
FILE NAME = Z09003SCHD
PLOT SCALE = NONE
USER NAME = CHANG

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
FAS 203 (MOLINE ROAD)
SECTION 11BR-1
WHITESIDE COUNTY
SCALE: VERT. 1"=20'
HORIZ. 1"=40'
DATE: 12/05
DRAWN BY ARR
CHECKED BY JKC

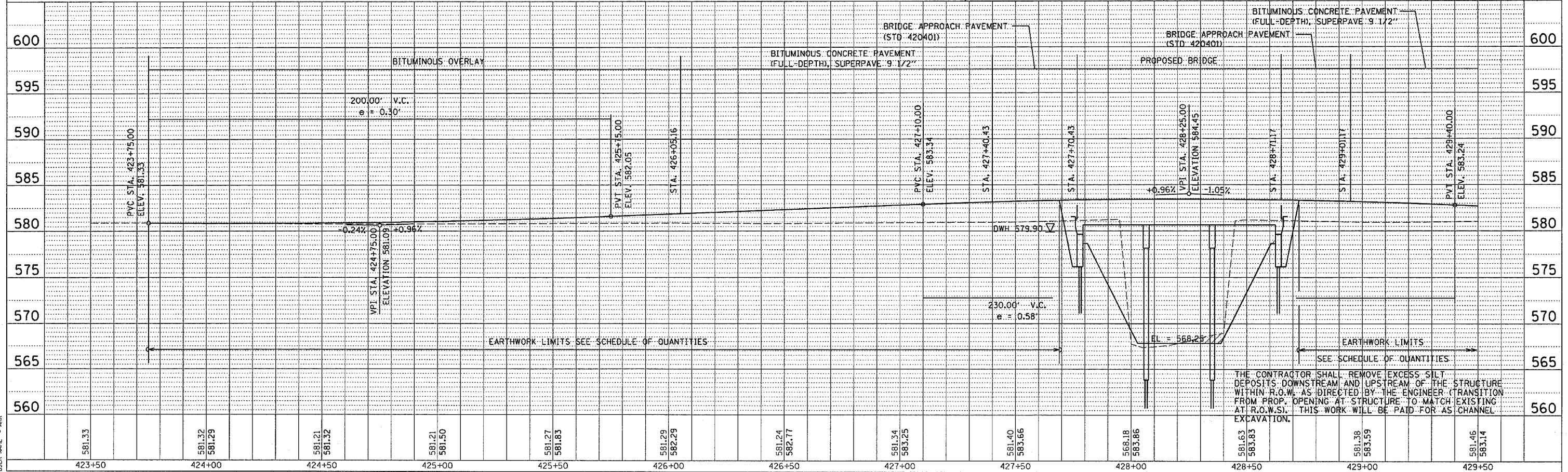
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GRAPHIC SCALE



• FLARE FIRST 50' OF GUARDRAIL AFTER TYPE 6 TERMINAL FROM 16' LEFT OR RIGHT TO 18' LEFT OR RIGHT THEN MAINTAIN 18' OFFSET.

BENCHMARK: CHISELED "□" AT SOUTHWEST CORNER OF BRIDGE DECK OF S.N. 098-0003. ELEV. = 580.79



THE CONTRACTOR SHALL REMOVE EXCESS SILT DEPOSITS DOWNSTREAM AND UPSTREAM OF THE STRUCTURE WITHIN R.O.W. AS DIRECTED BY THE ENGINEER (TRANSITION FROM PROP. OPENING AT STRUCTURE TO MATCH EXISTING AT R.O.W.S.). THIS WORK WILL BE PAID FOR AS CHANNEL EXCAVATION.

PLAN

NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	

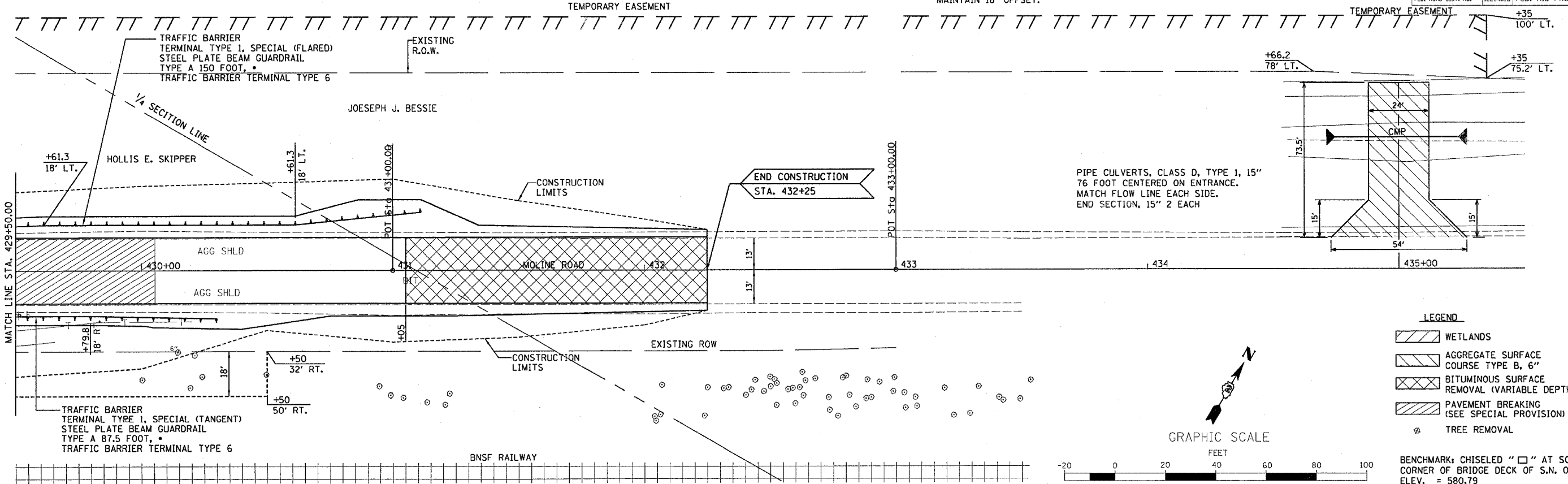
PROFILE

NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	

PLOT DATE = 8/1/08
 FILE NAME = 84939.PLN
 PLOT SCALE = 20
 USER NAME = ARR

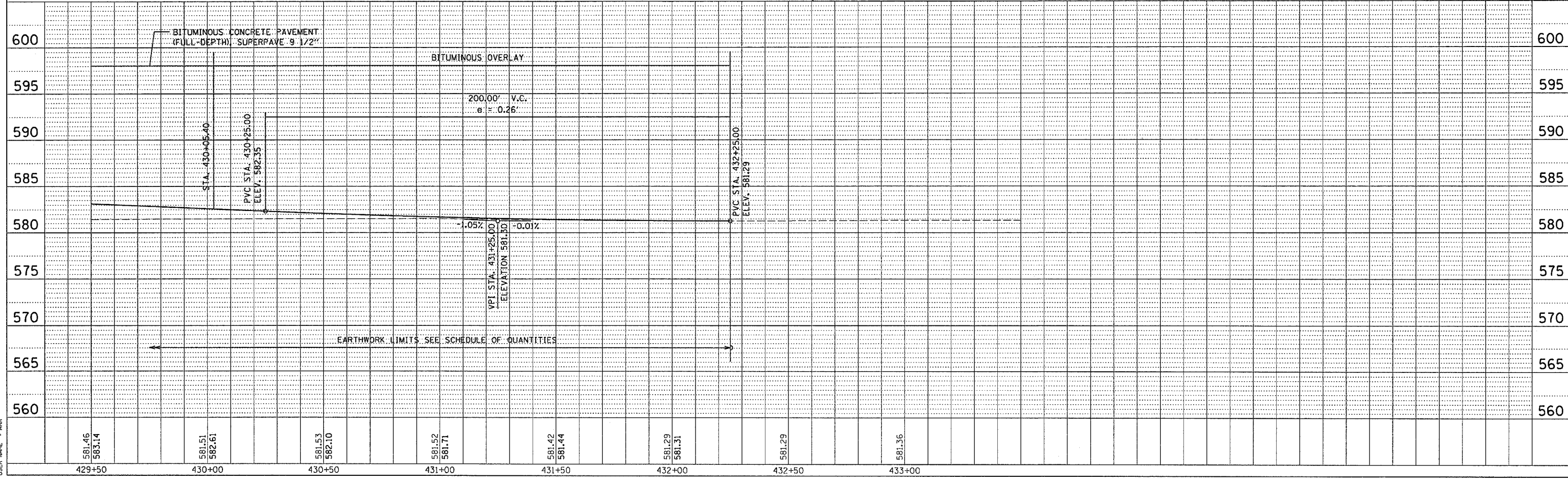
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11B-1	WHITESIDE	43	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FLARE FIRST 50' OF GUARDRAIL AFTER TYPE 6 TERMINAL FROM 16' LEFT OR RIGHT TO 18' LEFT OR RIGHT THEN MAINTAIN 18' OFFSET.



PLAN	REVISIONS	DATE
NO.	BY	
	CHECKED	
	DATE	
	BY	
	CHECKED	
	DATE	
	BY	
	CHECKED	
	DATE	

PROFILE	REVISIONS	DATE
NO.	BY	
	CHECKED	
	DATE	
	BY	
	CHECKED	
	DATE	
	BY	
	CHECKED	
	DATE	



PLOT DATE: 04/05
 PLOT SCALE: 1" = 20'
 USER NAME: ARR

Existing Structure: SN 098-0003 to be removed. Originally built in 1924 as Route SB13 Section 11 B. Single span, prestressed concrete box beam with closed abutments on pile supported footings. 47'-4" Bk. to Bk. abutments. Superstructure was replaced and widened in 1971.

Benchmark: Chiseled "□" at Southwest Corner of Bridge Deck of S.N. 098-0003. Elev. = 580.79

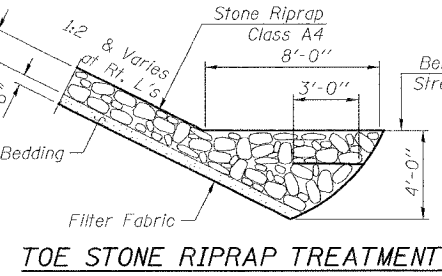
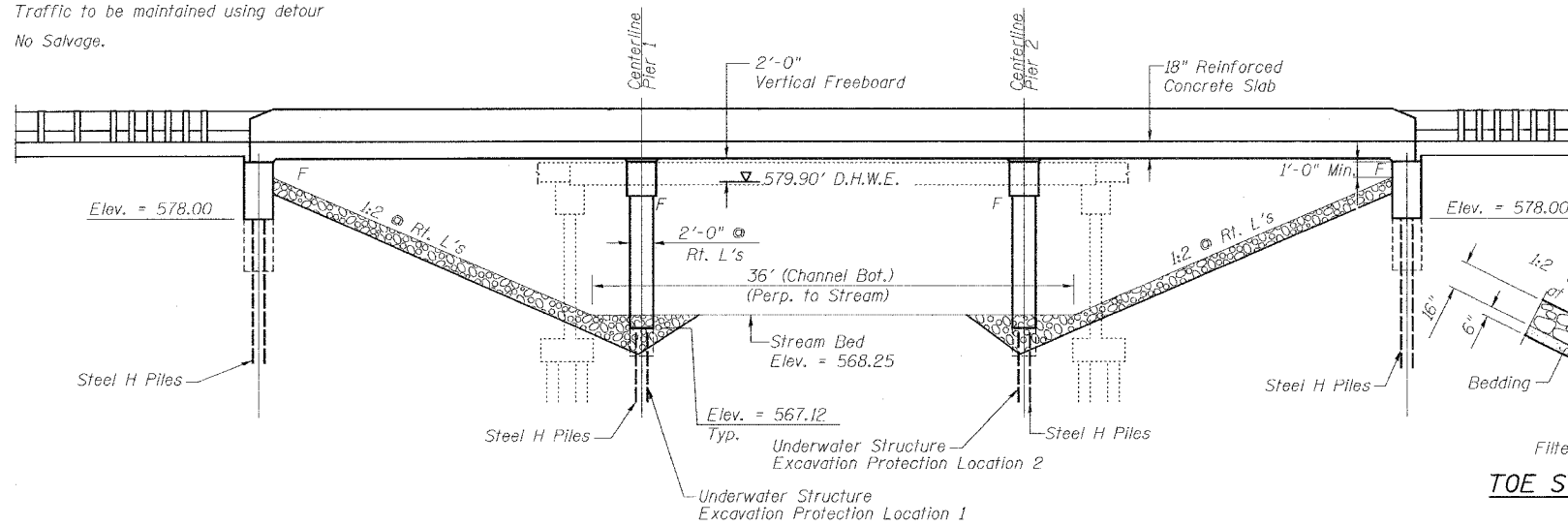
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #1 OF 11 SHEETS		ROUTE NO.	SECTION	COUNTY	STATE SHEET	SHEET
		FAS 203	11BR-1	WHITESIDE	43	12
		FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT-		

CONTRACT #84939

Contractor shall remove existing structure as required and replace with a 3 span reinforced concrete slab bridge on pile bent piers and integral abutments.

Traffic to be maintained using detour
No Salvage.



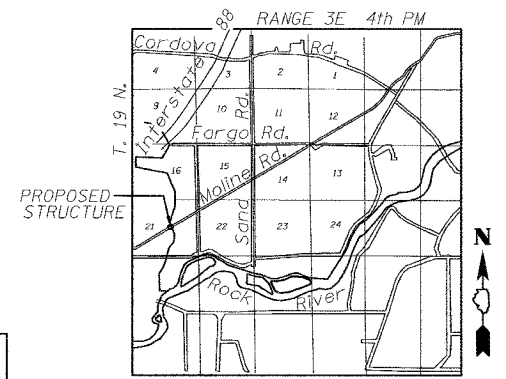
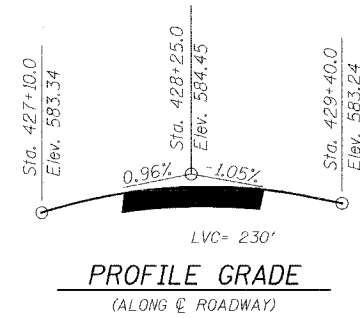
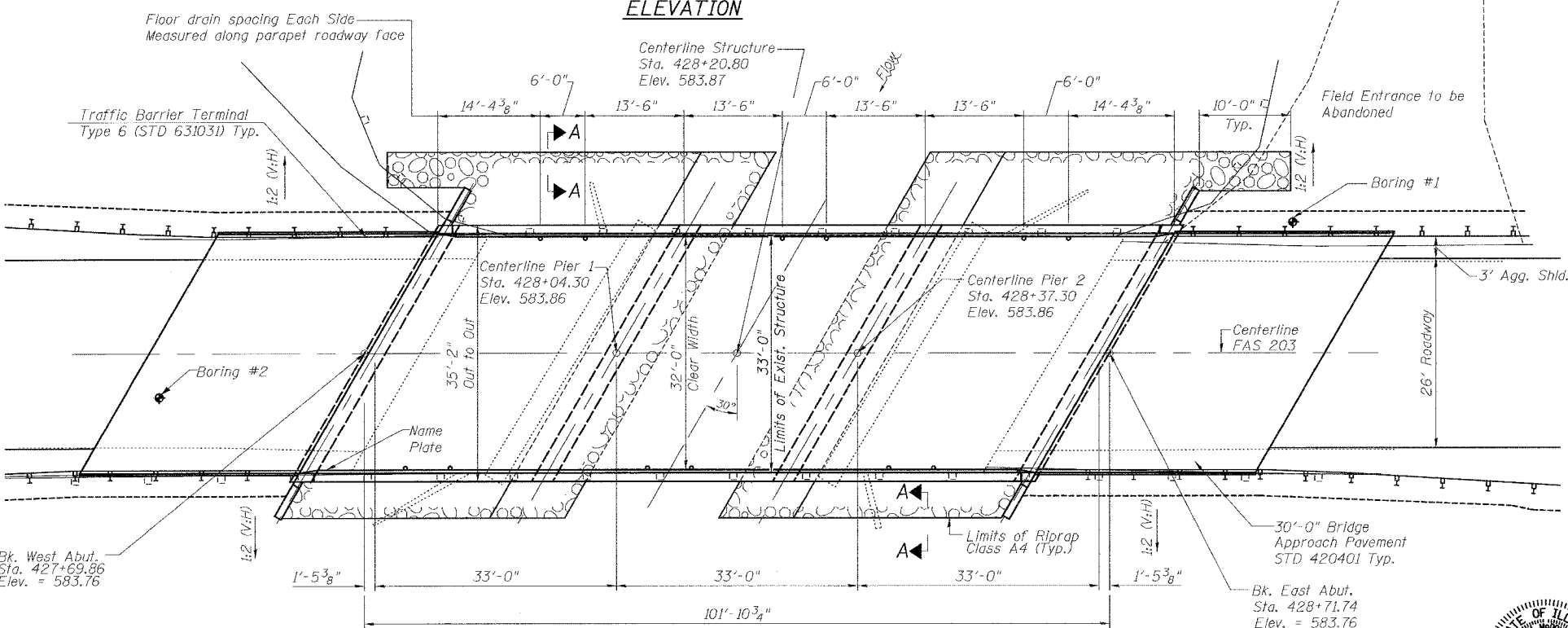
- INDEX OF SHEETS**
1. GENERAL PLAN AND ELEVATION
 2. FOUNDATION PLAN
 3. DECK ELEVATIONS
 4. SUPERSTRUCTURE PLAN
 5. SUPERSTRUCTURE DETAILS
 6. SUPERSTRUCTURE DETAILS
 7. PILE BENT ABUTMENT
 8. PILE BENT PIER
 9. BAR SPLICER DETAILS
 10. BORING LOGS
 11. BORING LOGS

WATERWAY INFORMATION

DRAINAGE AREA = 90.4 SQ. MI. LOW GRADE ELEV. = 581.2 (Exist./Prop.) @ Sta. 424+50

Flood	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.		HEAD - FT.		HEADWATER EL.		
			EXIST.	PROP.	H.W.E.	EXIST. PROP.	EXIST.	PROP.	
	10	1635	360	517	578.2	0.2	0.4	578.4	578.6
Design	50	2247	410	646	579.9	0.7	0.4	580.6	580.3
Overtop (E)	90	2400	410	-	580.3	0.9	-	581.2	-
Base	100	2482	410	685	580.4	1.0	0.5	581.4	580.9
Overtop (P)	250	2700	-	717	580.8	-	0.4	-	581.2
Max. Calc.	500	3016	410	772	581.5	1.3	0.3	582.8	581.8

10 year velocity through existing bridge = 4.5 fps
10 year velocity through prop. bridge = 3.2 fps



STATION 428+20.80
BUILT 200 BY
STATE OF ILLINOIS
F.A. RT. 203 SEC. 11BR-1
LOADING HS20
STR. NO. 098-0111

NAME PLATE
Locate Name Plate at Southwest Corner of Bridge
See Std. 515001

81-5025
Toni M. McDonough
License Expires 11/30/06
Date 8-7-06

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN SPECIFICATIONS
2002 AASHTO
DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
SEISMIC DATA
S.P.C. A
A = 0.04
S = 1.0

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface

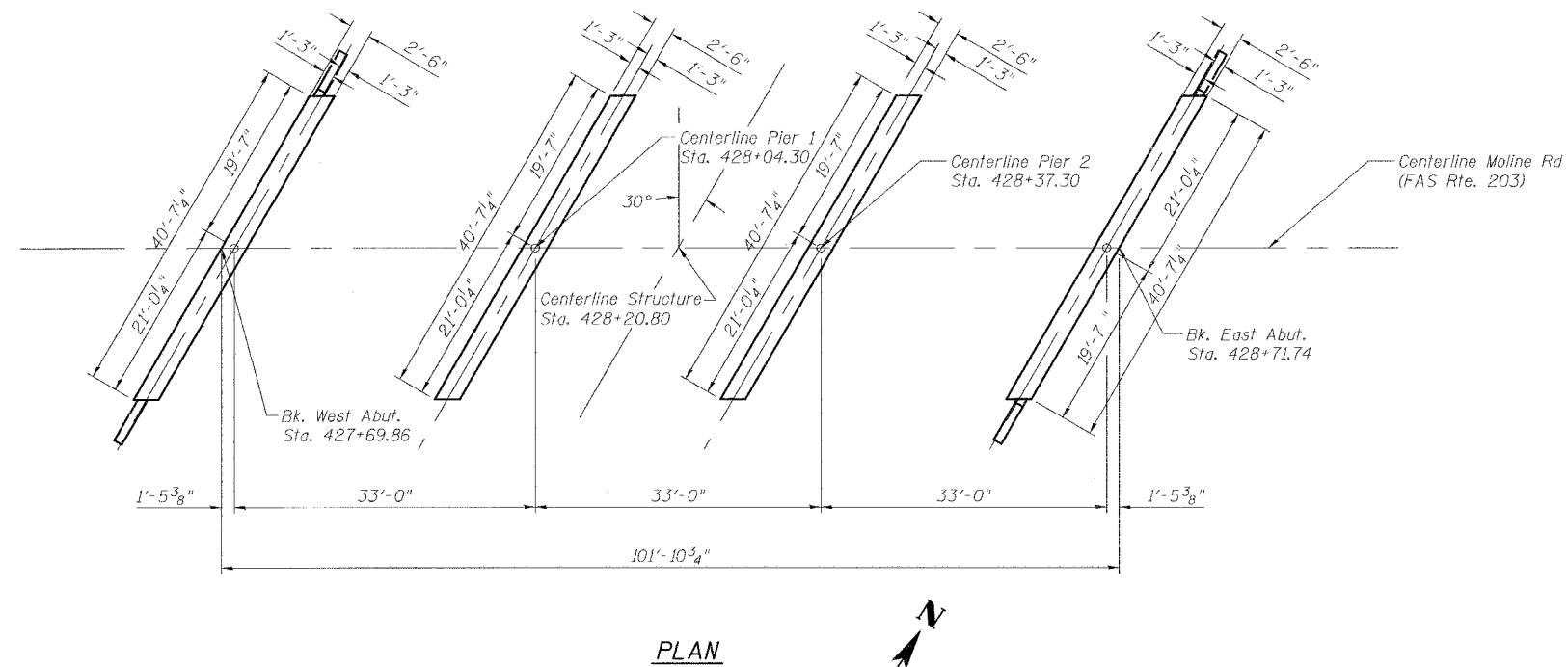
DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #2 OF 11 SHEETS		ROUTE NO.	SECTION	COUNTY	SHEETS	DATE
		FAS 203	11BR-1	WHITESIDE	43	13
		FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT-		
CONTRACT #64939						

GENERAL NOTES

- The Contractor shall drive 2 test piles, as specified, in permanent locations. 1 HP 8x36 in the West Abutment and 1 HP 12x53 in pier 1, as directed by the Engineer before ordering the remaining piles.
- Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- Reinforcement bars shall conform to the requirements of AASHTO M31, or M322 Grade 60.
- The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.
- All construction joints shall be bonded.
- The aggregate material for Pipe Underdrain for Structures shall be CA 7.



PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Porous Granular Embankment, (Special)	Cu. Yd.	--	--	66	66
Stone Riprap, Class A4	Sq. Yd.	--	--	--	438
Filter Fabric	Sq. Yd.	--	--	--	438
Removal of Existing Structures	Each	--	--	--	1
Structure Excavation	Cu. Yd.	--	19	91	110
Floor Drains	Each	12	--	--	12
Concrete Structures	Cu. Yd.	--	88.6	29.4	118.0
Concrete Superstructure	Cu. Yd.	228.8	--	--	228.8
Bridge Deck Grooving	Sq. Yd.	336	--	--	336
Protective Coat	Sq. Yd.	451	--	--	451
Reinforcement Bars, Epoxy Coated	Pound	37,480	6,960	3,220	47,660
Furnishing Steel Piles HP8x36	Foot	--	--	551	551
Furnishing Steel Piles HP12x53	Foot	--	537	--	537
Driving Steel Piles	Foot	--	537	551	1088
Test Pile Steel HP8x36	Each	--	--	1	1
Test Pile Steel HP12x53	Each	--	1	--	1
Metal Shoes	Each	--	11	11	22
Name Plates	Each	1	--	--	1
Geocomposite Wall Drain	Sq. Yd.	--	--	36	36
Pipe Underdrains for Structures 4"	Foot	--	--	101	101
Underwater Structure Excavation Protection - Location 1	Each	--	1	--	1
Underwater Structure Excavation Protection - Location 2	Each	--	1	--	1
Bar Splicers	Each	66	--	--	66

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

FOUNDATION PLAN
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #3 OF 11 SHEETS	ROUTE NO. FAS 203	SECTION 11BR-1	COUNTY WHITESIDE	TOTAL SHEETS 43	SHEET NO. 14
FED. ROAD DIST. NO. 3			ILLINOIS	FED. AID PROJECT-	

CONTRACT #64939

OFFSET 12.00 LT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Centerline W. Abut	427+78.23	12.00 LT	583.610	583.610
A	427+86.48	12.00 LT	583.637	583.666
B	427+94.73	12.00 LT	583.658	583.693
C	428+02.98	12.00 LT	583.673	583.693
Centerline Pier 1	428+11.23	12.00 LT	583.683	583.683
D	428+19.48	12.00 LT	583.686	583.682
E	428+27.73	12.00 LT	583.683	583.683
F	428+35.98	12.00 LT	583.674	583.670
Centerline Pier 2	428+44.23	12.00 LT	583.660	583.660
G	428+52.48	12.00 LT	583.639	583.659
H	428+60.73	12.00 LT	583.613	583.648
J	428+68.98	12.00 LT	583.580	583.609
Centerline E. Abut	428+77.23	12.00 LT	583.542	583.542

CENTERLINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Centerline W. Abut	427+71.30	0.00	583.764	583.764
A	427+79.55	0.00	583.802	583.831
B	427+87.80	0.00	583.828	583.863
C	427+96.05	0.00	583.849	583.869
Centerline Pier 1	428+04.30	0.00	583.863	583.863
D	428+12.55	0.00	583.871	583.867
E	428+20.80	0.00	583.873	583.871
F	428+29.05	0.00	583.870	583.865
Centerline Pier 2	428+37.30	0.00	583.860	583.860
G	428+45.55	0.00	583.844	583.864
H	428+53.80	0.00	583.823	583.858
J	428+62.05	0.00	583.795	583.824
Centerline E. Abut	428+70.30	0.00	583.762	583.762

OFFSET 12.00 RT

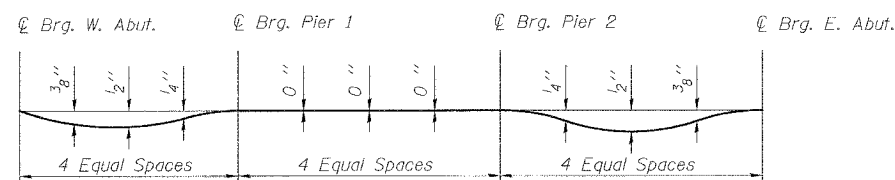
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Centerline W. Abut	427+64.37	12.00 RT	583.551	583.551
A	427+72.62	12.00 RT	583.588	583.617
B	427+80.87	12.00 RT	583.619	583.654
C	427+89.12	12.00 RT	583.645	583.665
Centerline Pier 1	427+97.37	12.00 RT	583.664	583.664
D	428+05.62	12.00 RT	583.677	583.673
E	428+13.87	12.00 RT	583.684	583.682
F	428+22.12	12.00 RT	583.686	583.681
Centerline Pier 2	428+30.37	12.00 RT	583.681	583.681
G	428+38.62	12.00 RT	583.670	583.690
H	428+46.87	12.00 RT	583.654	583.689
J	428+55.12	12.00 RT	583.631	583.660
Centerline E. Abut	428+63.37	12.00 RT	583.603	583.603

OFFSET 16.00 LT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Centerline W. Abut	427+80.54	16.00 LT	583.535	583.535
A	427+88.79	16.00 LT	583.560	583.589
B	427+97.04	16.00 LT	583.580	583.615
C	428+05.29	16.00 LT	583.593	583.613
Centerline Pier 1	428+13.54	16.00 LT	583.601	583.601
D	428+21.79	16.00 LT	583.602	583.598
E	428+30.04	16.00 LT	583.598	583.595
F	428+38.29	16.00 LT	583.588	583.583
Centerline Pier 2	428+46.54	16.00 LT	583.571	583.571
G	428+54.79	16.00 LT	583.549	583.569
H	428+63.04	16.00 LT	583.521	583.556
J	428+71.29	16.00 LT	583.487	583.516
Centerline E. Abut	428+79.54	16.00 LT	583.447	583.447

OFFSET 16.00 RT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Centerline W. Abut	427+62.06	16.00 RT	583.457	583.457
A	427+70.31	16.00 RT	583.495	583.524
B	427+78.56	16.00 RT	583.528	583.563
C	427+86.81	16.00 RT	583.555	583.575
Centerline Pier 1	427+95.06	16.00 RT	583.576	583.576
D	428+03.31	16.00 RT	583.591	583.586
E	428+11.56	16.00 RT	583.599	583.597
F	428+19.81	16.00 RT	583.602	583.598
Centerline Pier 2	428+28.06	16.00 RT	583.600	583.600
G	428+36.31	16.00 RT	583.591	583.611
H	428+44.56	16.00 RT	583.576	583.611
J	428+52.81	16.00 RT	583.555	583.584
Centerline E. Abut	428+61.06	16.00 RT	583.528	583.528



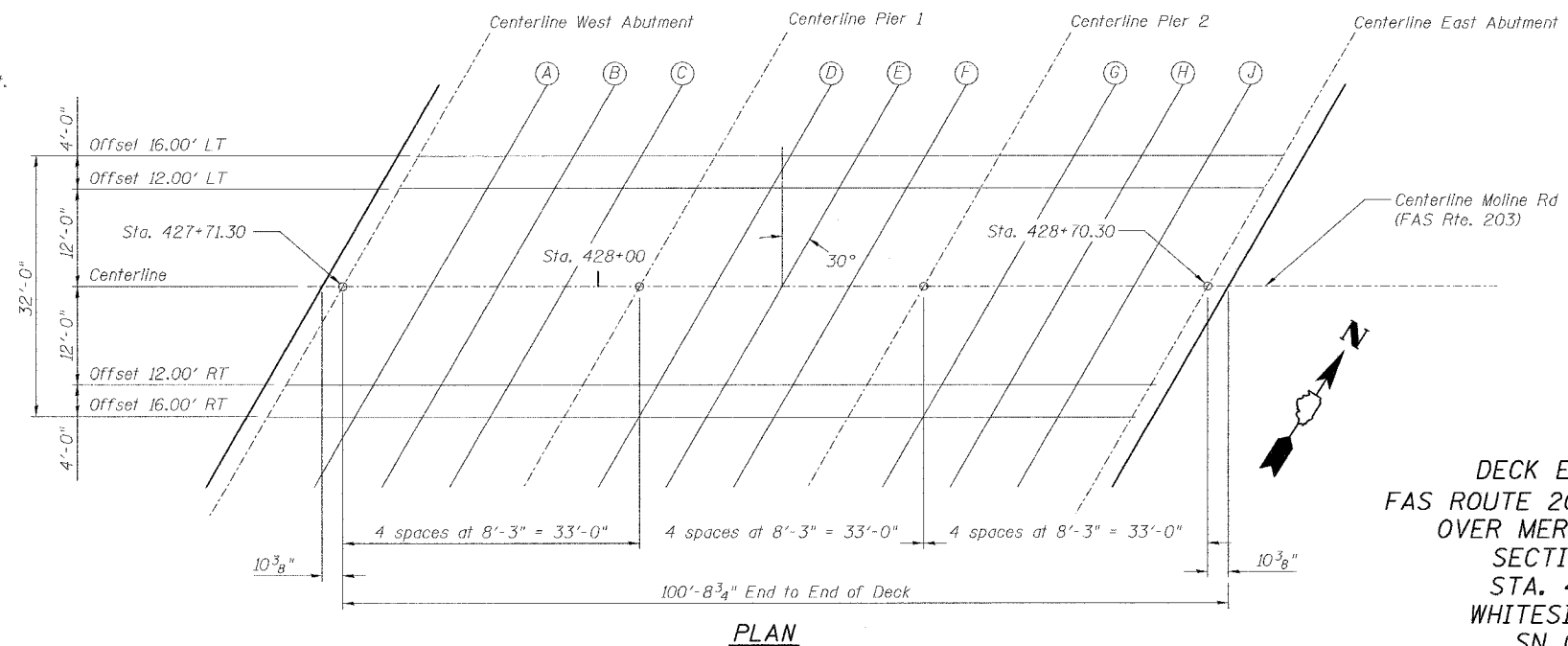
DEAD LOAD DEFLECTION DIAGRAM

(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 above.

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM



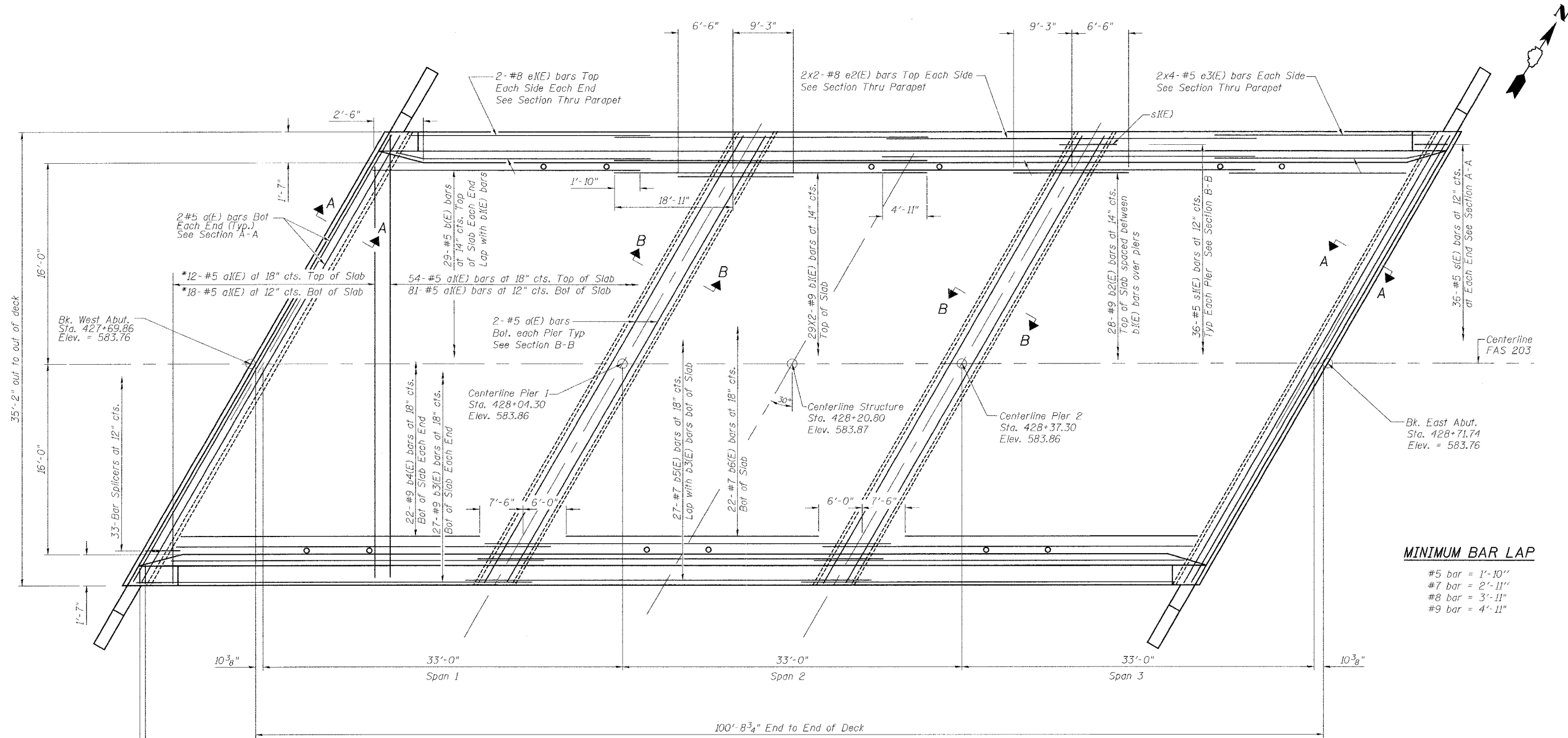
DECK ELEVATIONS
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #4 OF 11 SHEETS				
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
FAS 203	11BR-1	WHITESIDE	43	15
FED. ROAD DIST. NO. 3		ILLINOIS	FED. AID PROJECT-	

CONTRACT #64939

* Order a(E) bars full length
Cut to fit skew and use
remainder in opposite end
(See Bar Cutting Diagram)



MINIMUM BAR LAP

#5 bar	= 1'-10"
#7 bar	= 2'-11"
#8 bar	= 3'-11"
#9 bar	= 4'-11"

111- #5 d(E) bars at 11" cts. Inside Face Each Side
102- #4 d(E) bars at 12" cts. Outside Face Each Side

102- #4 s2(E) bars at 12" cts. Each Side
See Section Thru Parapet

PLAN

NOTES

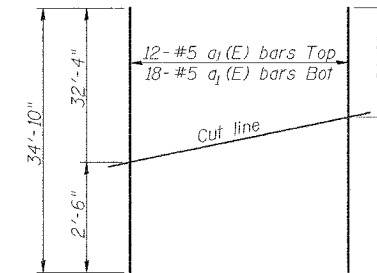
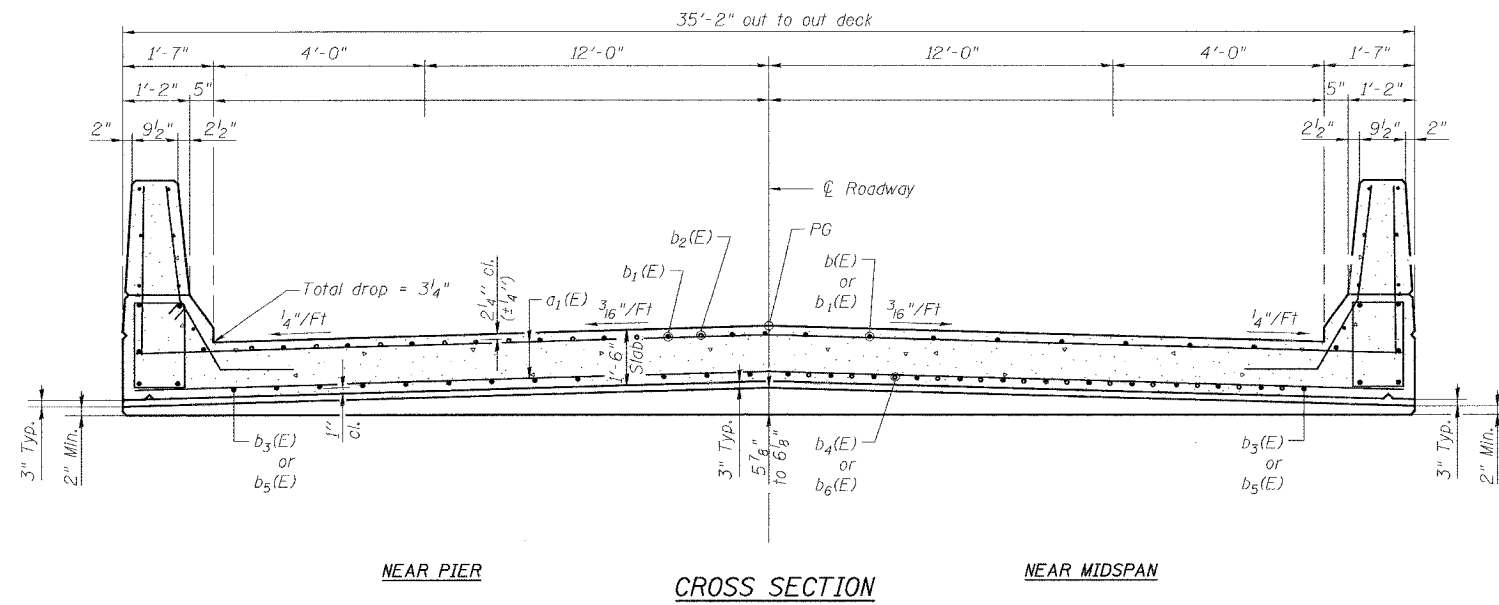
1. See sheets No. 5 and 6 of 11 for Superstructure Details, parapet reinforcing, and Bill of Materials.
2. Reinforcing bars designated (E) shall be epoxy coated.
3. Bars indicated thus 6x3- #5 etc. indicates 6 lines of bars with 3 lengths per line.
4. See sheet No.1 of 11 for floor drain spacing.
5. Space reinforcement bars to clear floor drain.

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

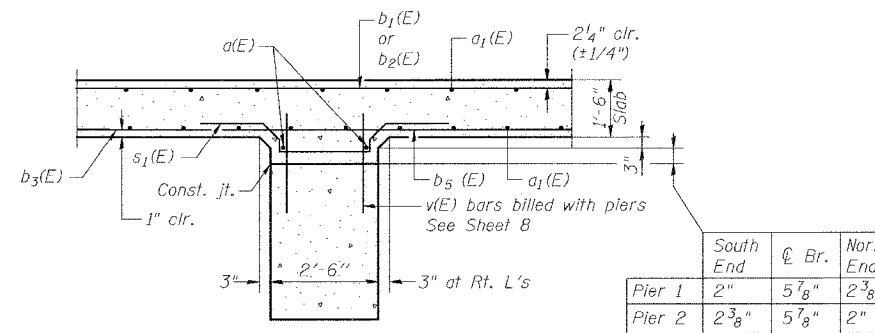
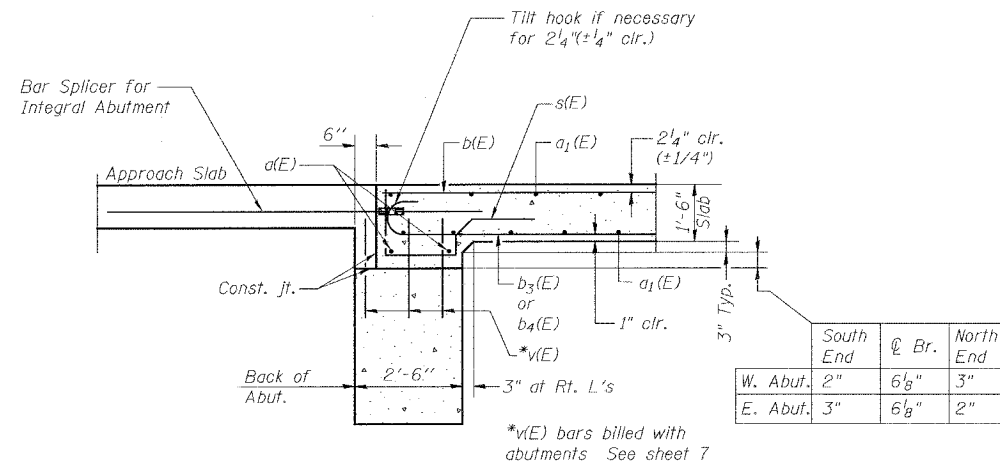
SUPERSTRUCTURE PLAN
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #5 OF 11 SHEETS		ROUTE NO.	SECTION	COUNTY	SHEETS	"SET"
		FAS 203	11BR-1	WHITESIDE	43	16
		FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT-		
CONTRACT #64939						



FIELD CUTTING DIAGRAM
Order $a_1(E)$ bars full length.
Cut to fit and use the remainder of bars
in opposite face.



NOTES

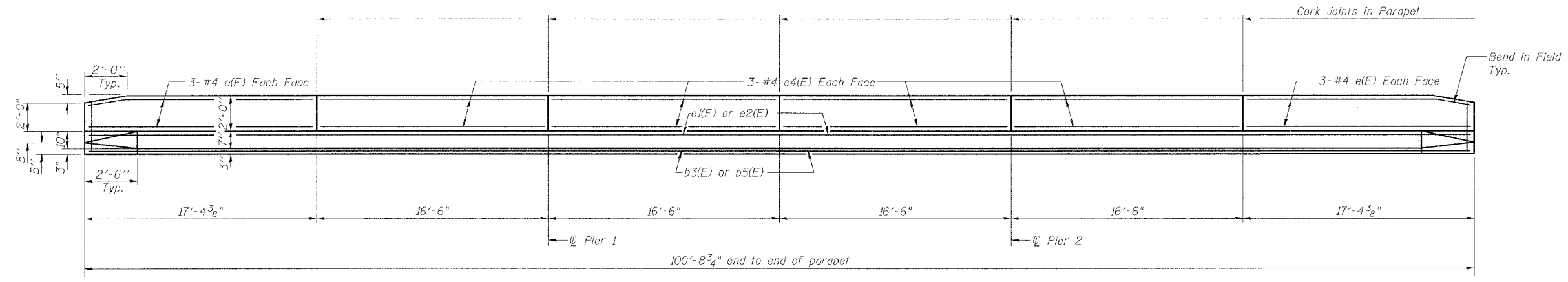
- See sheets No. 4 and 6 of 11 for Plan, parapet reinforcing, and Bill of Materials.
- Reinforcing bars designated (E) shall be epoxy coated.
- Bars indicated thus 6x3-#5 etc. indicates 6 lines of bars with 3 lengths per line.
- See sheet No.1 of 11 for floor drain spacing.
- Space reinforcement bars to clear floor drain.

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

SUPERSTRUCTURE DETAILS
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

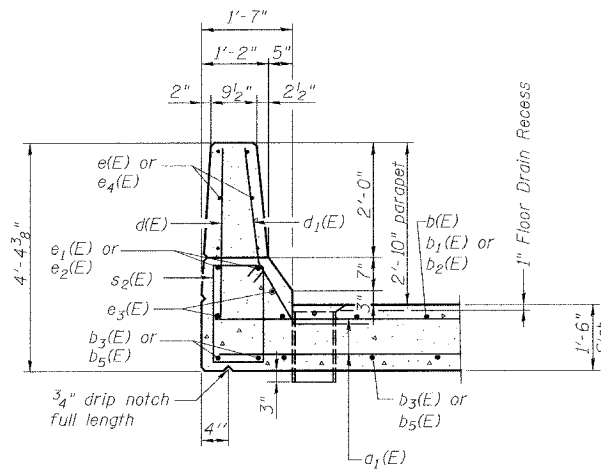
SHEET #6 OF 11 SHEETS	ROUTE NO. FAS 203	SECTION 11BR-1	COUNTY WHITESIDE	DATE 43	SHEET 17
FED. ROAD DIST. NO. 3			ILLINOIS	FED. AID PROJECT-	
CONTRACT #64939					



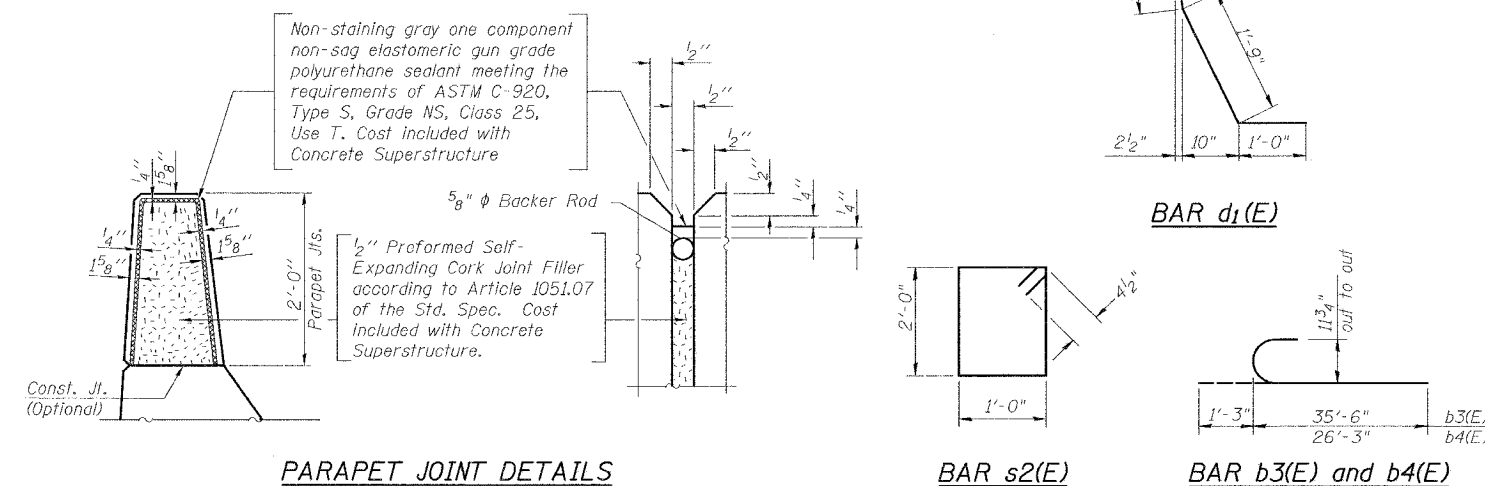
INSIDE ELEVATION OF PARAPET

SUPERSTRUCTURE
BILL OF MATERIAL

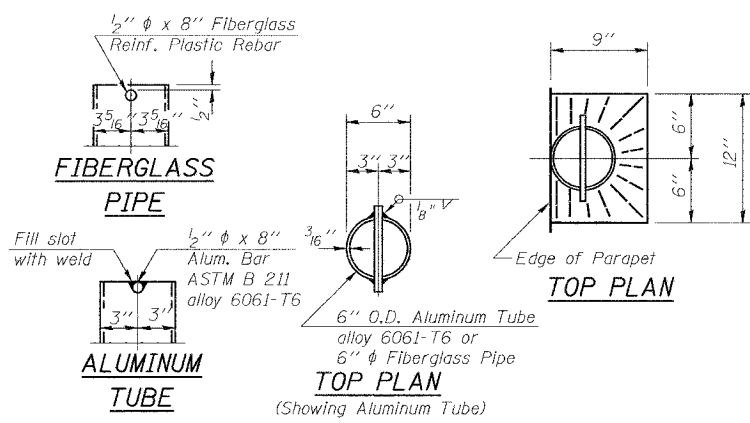
Bar	No.	Size	Length	Shape
a(E)	8	#5	40'-2"	—
a ₁ (E)	165	#5	34'-10"	—
b(E)	58	#5	16'-8"	—
b ₁ (E)	58	#9	37'-11"	—
b ₂ (E)	56	#9	15'-9"	—
b ₃ (E)	54	#9	36'-9"	—
b ₄ (E)	44	#9	27'-6"	—
b ₅ (E)	27	#7	36'-6"	—
b ₆ (E)	22	#7	21'-0"	—
d(E)	204	#4	3'-0"	—
d ₁ (E)	222	#5	4'-8"	—
e(E)	24	#4	17'-0"	—
e ₁ (E)	8	#8	18'-9"	—
e ₂ (E)	8	#8	37'-5"	—
e ₃ (E)	16	#5	26'-6"	—
e ₄ (E)	48	#4	16'-2"	—
s(E)	72	#5	6'-0"	—
s ₁ (E)	72	#5	7'-4"	—
s ₂ (E)	204	#4	6'-9"	—
Reinforcement Bars, Epoxy Coated			Pound	37480
Concrete Superstructure			Cu. Yds.	228.8



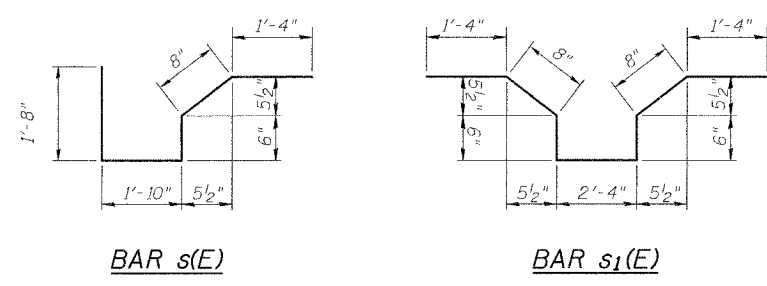
SECTION THRU PARAPET



PARAPET JOINT DETAILS



FLOOR DRAINS



DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

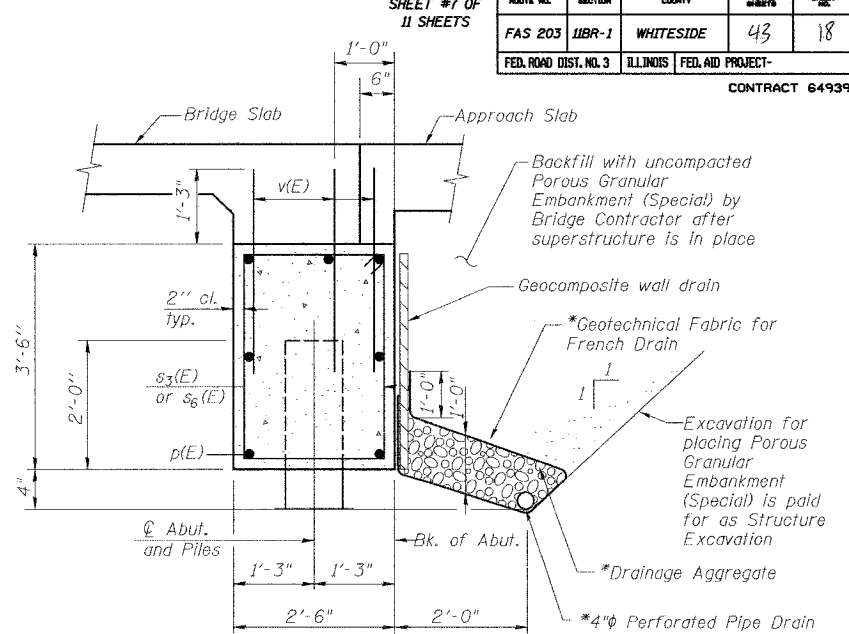
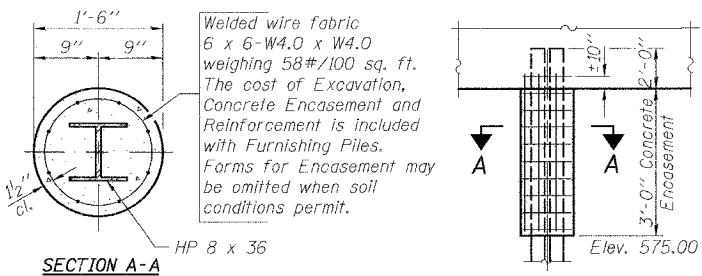
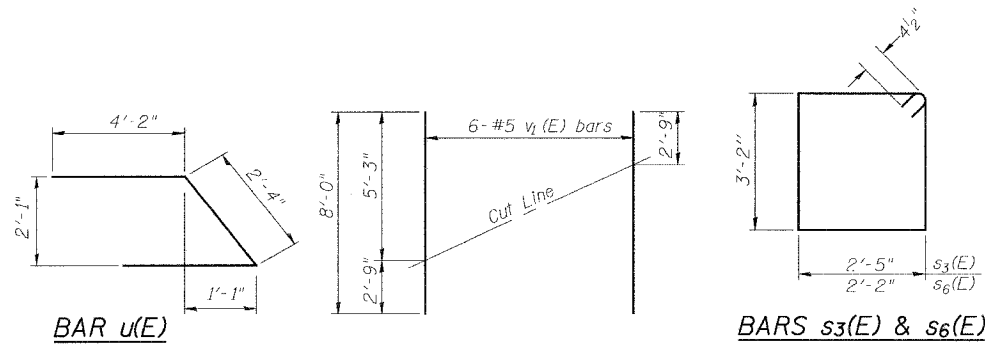
Notes:
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the floor drains shall be coated or pigmented by the manufacturer with a color that matches the concrete

Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 4 - #5 etc. indicates 1 line of bars with 4 lengths per line.

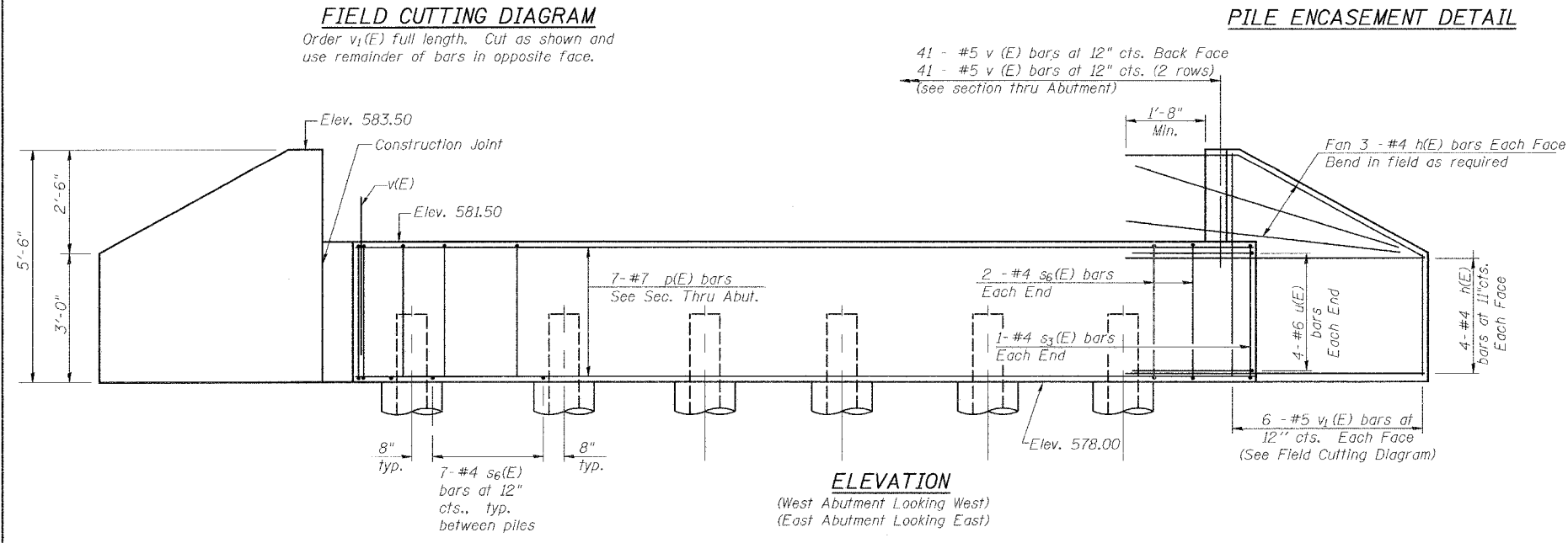
SUPERSTRUCTURE DETAILS
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

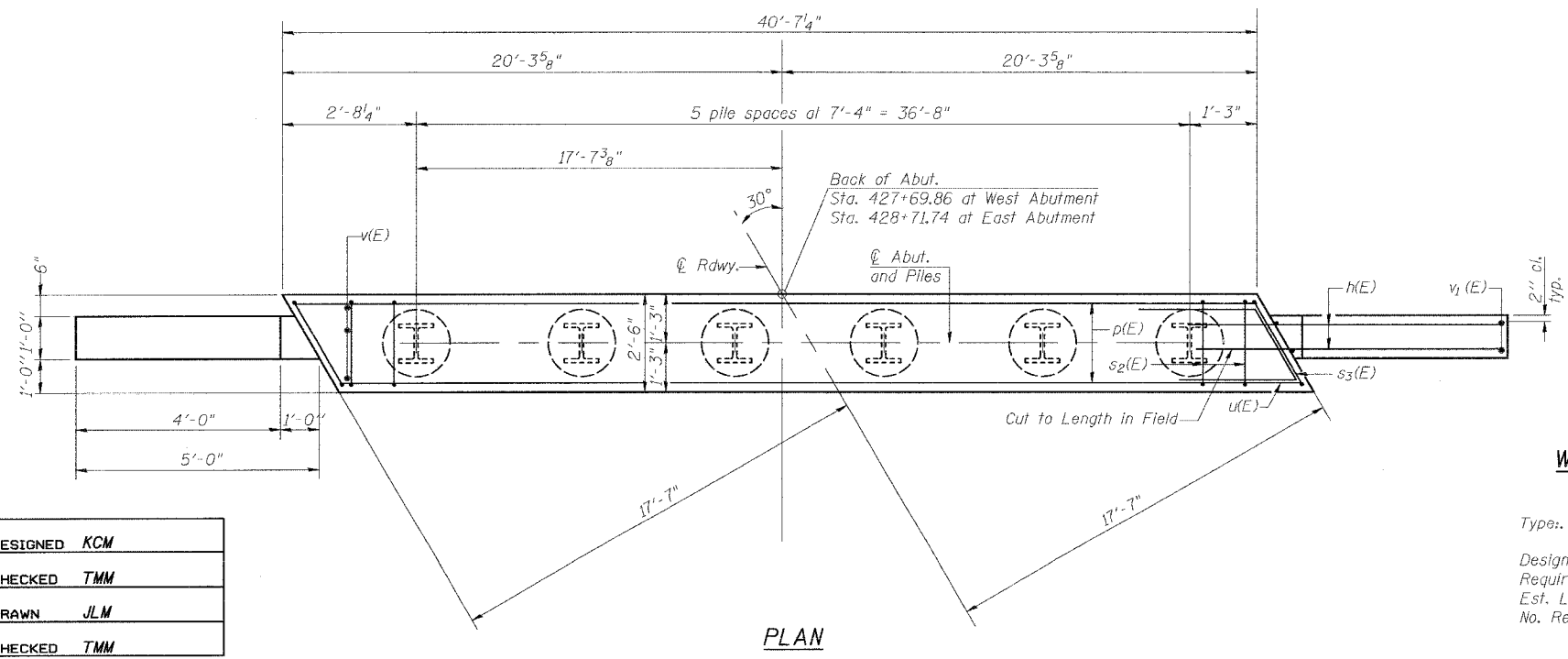
SHEET #7 OF 11 SHEETS		ROUTE NO.	SECTION	COUNTY	DATE	REV.
		FAS 203	11BR-1	WHITESIDE	4/3	18
		FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT-		
CONTRACT 64939						



*Included in the cost of Pipe Underdrains for Structures.
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 601101)



ELEVATION
(West Abutment Looking West)
(East Abutment Looking East)



DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

BILL OF MATERIAL FOR WEST ABUTMENT

Bar	No.	Size	Length	Shape
$h(E)$	28	#4	7'-5"	—
$p(E)$	7	#7	40'-3"	—
$s_3(E)$	2	#4	11'-11"	□
$s_6(E)$	39	#4	11'-5"	□
$u(E)$	8	#6	10'-8"	△
$v(E)$	119	#5	2'-9"	—
$v_1(E)$	12	#5	8'-0"	—
Structure Excavation	Cu. Yd.	45.5		
Concrete Structures	Cu. Yd.	14.7		
Reinforcement Bars, Epoxy Coated	Pound	1610		
Furnishing Steel Piles HP 8x36	Foot	365		
Driving Steel Piles HP 8x36	Foot	365		
Test Pile Steel HP 8x36	Each	1		
Metal Shoes	Each	5		

Reinforcement Bars designated (E) shall be epoxy coated.

BILL OF MATERIAL FOR EAST ABUTMENT

Bar	No.	Size	Length	Shape
$h(E)$	28	#4	7'-5"	—
$p(E)$	7	#7	40'-3"	—
$s_3(E)$	2	#4	11'-11"	□
$s_6(E)$	39	#4	11'-5"	□
$u(E)$	8	#6	10'-8"	△
$v(E)$	119	#5	2'-9"	—
$v_1(E)$	12	#5	8'-0"	—
Structure Excavation	Cu. Yd.	45.5		
Concrete Structures	Cu. Yd.	14.7		
Reinforcement Bars, Epoxy Coated	Pound	1610		
Furnishing Steel Piles HP 8x36	Foot	186		
Driving Steel Piles HP 8x36	Foot	186		
Metal Shoes	Each	6		

Reinforcement Bars designated (E) shall be epoxy coated.

WEST ABUTMENT PILE DATA

Type: HP 8 x 36 w/ Metal Shoes
Design Capacity: 46 Tons
Required Bearing: Driven to Refusal
Est. Length: 73 ft.
No. Required: 5 + 1 Test Pile

EAST ABUTMENT PILE DATA

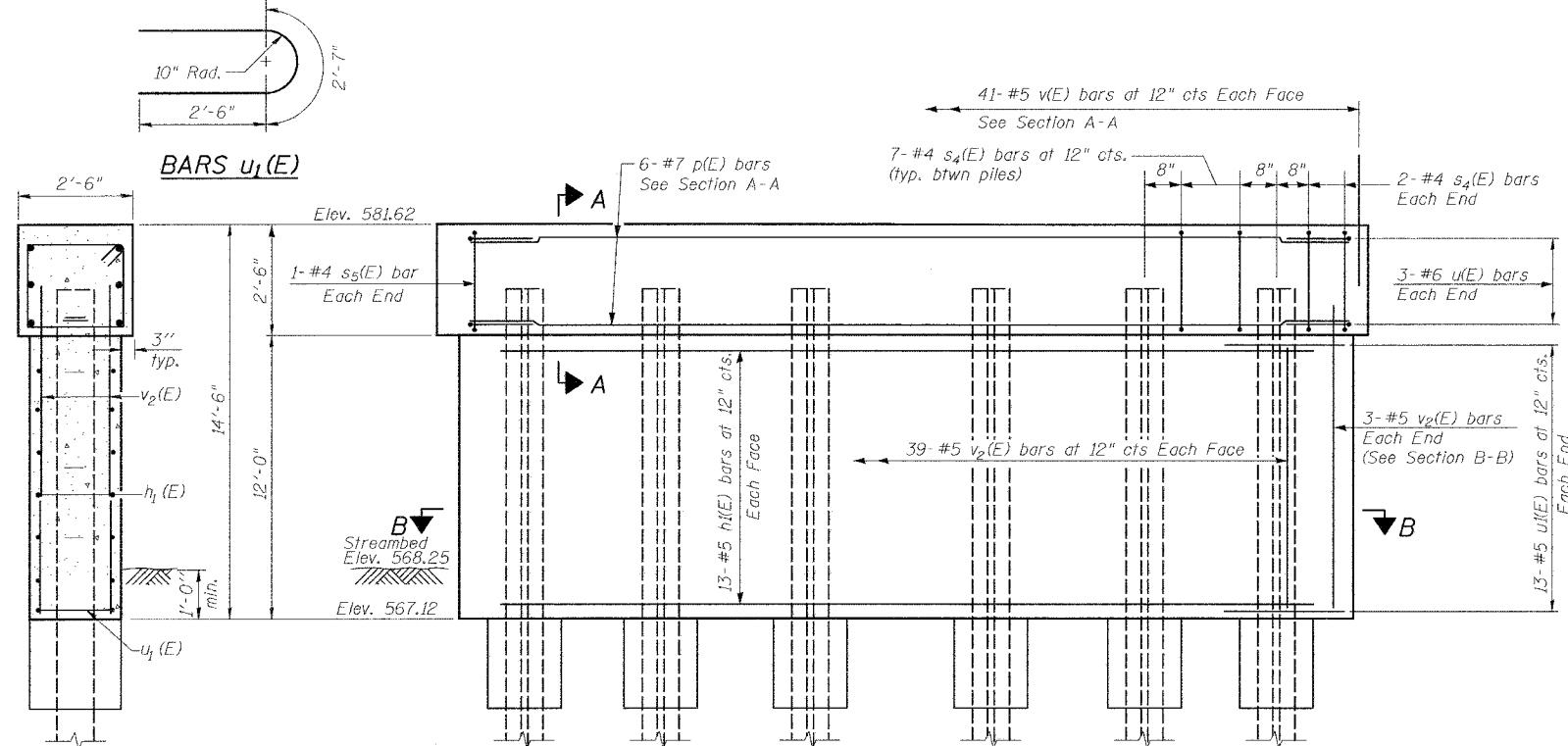
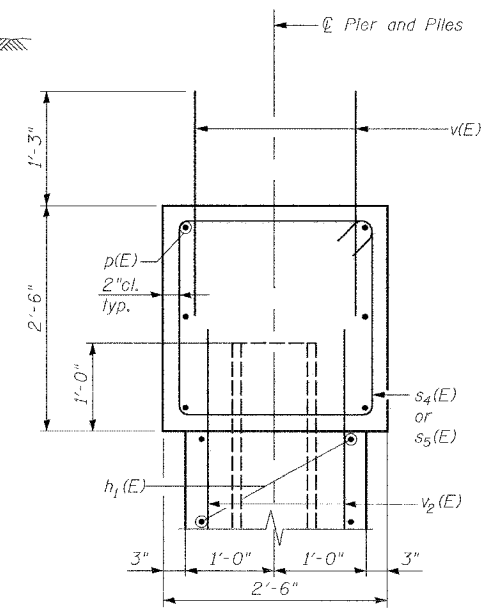
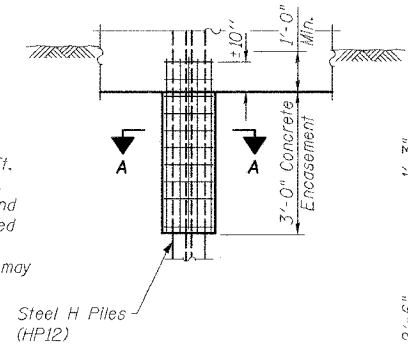
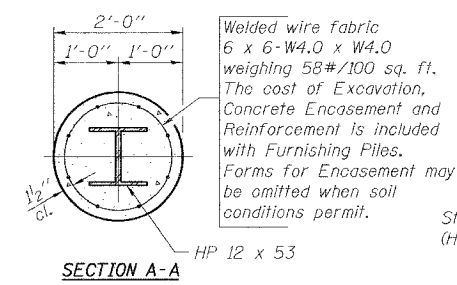
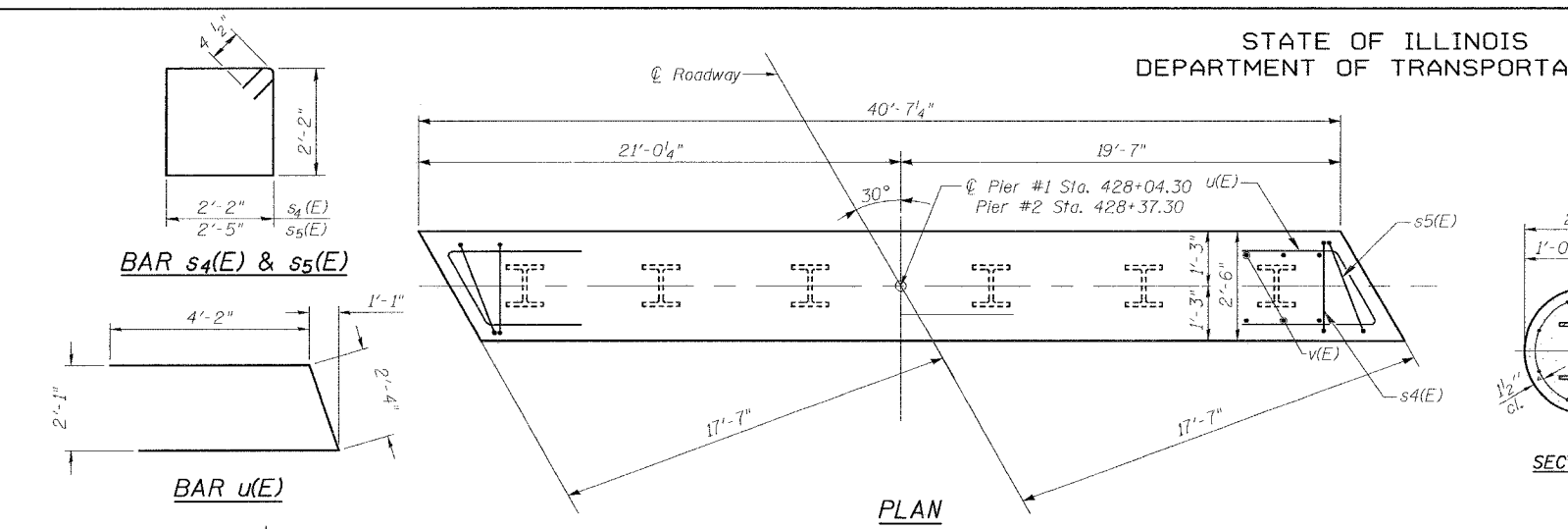
Type: HP 8 x 36 w/ Metal Shoes
Design Capacity: 46 Tons
Required Bearing: Driven to Refusal
Est. Length: 31 ft.
No. Required: 6

PILE BENT ABUTMENT
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

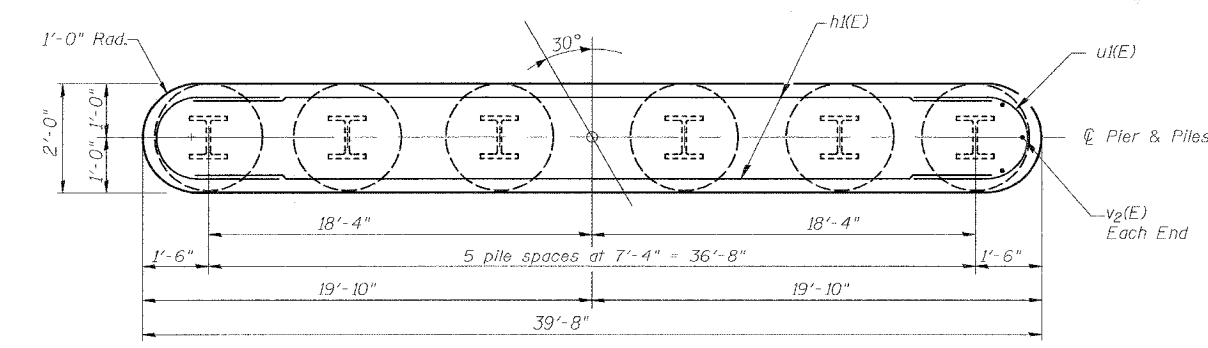
SHEET #8 OF 11 SHEETS	ROUTE NO. 203	SECTION 11BR-1	COUNTY WHITESIDE	SHEETS 43	SHEET 19
FAS 203			ILLINOIS FED. AID PROJECT-		

CONTRACT 64939



END VIEW

ELEVATION
(Pier #1 Looking East)
(Pier #2 Looking East)



SECTION B-B

BILL OF MATERIAL FOR PIER 1

Bar	No.	Size	Length	Shape
h ₁ (E)	26	#5	37'-8"	—
p (E)	6	#7	40'-3"	—
s ₄ (E)	39	#4	9'-5"	□
s ₅ (E)	2	#4	9'-11"	□
u (E)	6	#6	10'-8"	U
u ₁ (E)	26	#5	7'-7"	U
v (E)	82	#5	2'-9"	—
v ₂ (E)	84	#5	13'-4"	—
Structure Excavation		Cu. Yd.	9.5	
Concrete Structures		Cu. Yd.	44.3	
Reinforcement Bars, Epoxy Coated		Pound	3480	
Furnishing Steel Piles HP 12x53		Foot	345	
Driving Steel Piles		Foot	345	
Test Pile Steel HP 12x53		Each	1	
Metal Shoes		Each	5	
Underwater Structure Excavation Protection		Each	1	

Reinforcement Bars designated (E) shall be epoxy coated

BILL OF MATERIAL FOR PIER 2

Bar	No.	Size	Length	Shape
h ₁ (E)	26	#5	37'-8"	—
p (E)	6	#7	40'-3"	—
s ₄ (E)	39	#4	9'-5"	□
s ₅ (E)	2	#4	9'-11"	□
u (E)	6	#6	10'-8"	U
u ₁ (E)	26	#5	7'-7"	U
v (E)	82	#5	2'-9"	—
v ₂ (E)	84	#5	13'-4"	—
Structure Excavation		Cu. Yd.	9.5	
Concrete Structures		Cu. Yd.	44.3	
Reinforcement Bars, Epoxy Coated		Pound	3480	
Furnishing Steel Piles HP 12x53		Foot	192	
Driving Steel Piles		Foot	192	
Metal Shoes		Each	6	
Underwater Structure Excavation Protection		Each	1	

Reinforcement Bars designated (E) shall be epoxy coated

PIER 1 PILE DATA

Type: HP 12 x 53 w/ Metal Shoes
Design Capacity: 68 Tons
Required Bearing: Driven to Refusal
Est. Length: 69 ft.
No. Required: 5 + 1 Test Pile

PIER 2 PILE DATA

Type: HP 12 x 53 w/ Metal Shoes
Design Capacity: 68 Tons
Required Bearing: Driven to Refusal
Est. Length: 32 ft.
No. Required: 6

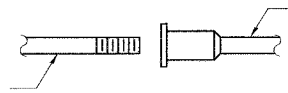
PILE BENT PIER
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

NOTES

- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_1$
 - ② Minimum *Pull-out Strength (Tension in kips) = $1.25 \times f_{s_{allow}} \times A_1$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s_{allow}}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_1 = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

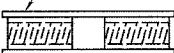
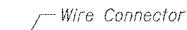
BAR SPLICER ASSEMBLIES			
	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	
#5	2'-0"	23.0	
#6	2'-7"	33.1	
#7	3'-5"	45.1	
#8	4'-6"	58.9	
#9	5'-9"	75.1	
#10	7'-3"		
#11	9'-0"		



ROLLED THREAD DOWEL BAR

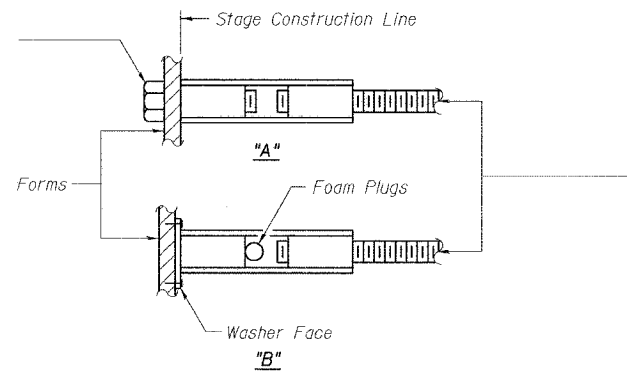


** ONE PIECE

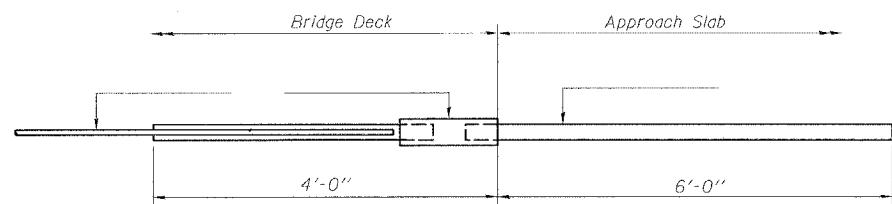


WELDED SECTIONS

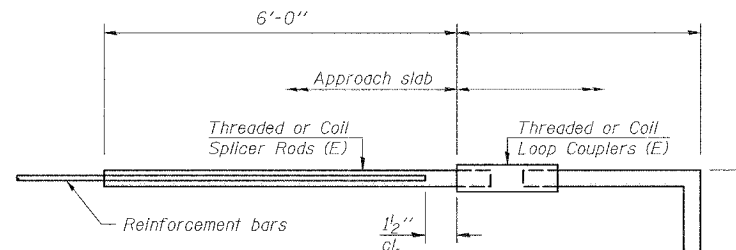
BAR SPLICER ASSEMBLY ALTERNATIVES



INSTALLATION AND SETTING METHODS

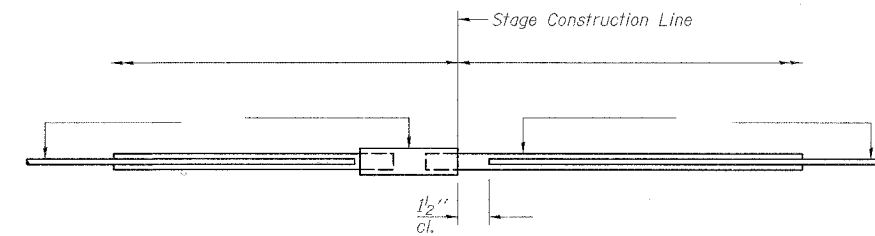


Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension



FOR PILE BENT ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required =



STANDARD

No. Assemblies Required	Location

BAR SPLICER ASSEMBLY DETAILS
 FAS ROUTE 203 (MOLINE ROAD)
 OVER MEREDOSIA DITCH
 SECTION 11BR-1
 STA. 428+20.80
 WHITESIDE COUNTY
 SN 098-0111

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #10 OF
11 SHEETS

ROUTE NO.	SECTION	COUNTY	DATE	SHEET
FAS 203	11BR-1	WHITESIDE	4/3	21
FED. ROAD DIST. NO. 3		ILLINOIS	FED. AID PROJECT-	

CONTRACT #64939

SOIL BORING LOG Page 1 of 2

Date 1/8/04

ROUTE P92-090-03 Old Moline Road over Meredosia Ditch, east of Hillsdale Bridge LOGGED BY W. Garza

SECTION Erie Twp. - NW, SEC. 21, TWP. 19N, R9G. 3E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-45

STRUCT. NO. Station	D E P T H H S	R E C O R D S	U C S O U T	M O S T	Surface Water Elev. Stream Bed Elev.	log ft ft	D E P T H H S	R E C O R D S	U C S O U T	M O S T	ft
BORING NO. <u>B-1</u> Station <u>9784+45</u> Offset <u>18.00H RI CL</u> Ground Surface Elev. <u>98.5</u>					Groundwater Elev.: First Encounter <u>84.0</u> Upon Completion Wash <u>ft</u> After Hrs. <u>ft</u>						
MEDIUM brown SILTY CLAY LOAM				14	Begin Wash LOOSE gray clean medium SAND (continued)	77.50					
STIFF gray SILTY LOAM		4		5	LOOSE gray clean medium SAND	75.00					
STIFF gray SILTY CLAY LOAM		2		3	MEDIUM gray clean medium SAND	72.50					
MEDIUM gray dark SILTY CLAY LOAM with SAND lens with 8% ORGANICS		2		1	Wash MEDIUM gray clean medium SAND & GRAVEL	70.00					
MEDIUM dark gray SILTY CLAY LOAM with SAND lens and ORGANICS		1		1	Wash MEDIUM gray clean medium SAND	67.50					
SOFT gray SILTY CLAY with ORGANICS		1		1	Wash VERY DENSE tan weathered LIMESTONE	65.00					
LOOSE gray clean SAND		0		4	Wash VERY DENSE tan LIMESTONE	62.50					
LOOSE gray clean fine SAND		2		2	Wash VERY DENSE tan LIMESTONE	60.00					

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)

SOIL BORING LOG Page 2 of 2

Date 1/8/04

ROUTE Old Moline Road LOGGED BY W. Garza

SECTION Erie Twp. - NW, SEC. 21, TWP. 19N, R9G. 3E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-45

STRUCT. NO. Station	D E P T H H S	R E C O R D S	U C S O U T	M O S T	Surface Water Elev. Stream Bed Elev.	log ft ft	D E P T H H S	R E C O R D S	U C S O U T	M O S T	ft
BORING NO. <u>B-1</u> Station <u>9784+45</u> Offset <u>18.00H RI CL</u> Ground Surface Elev. <u>98.5</u>					Groundwater Elev.: First Encounter <u>84.0</u> Upon Completion Wash <u>ft</u> After Hrs. <u>ft</u>						
LIMESTONE				2	53" Recovery 4 pieces over 4" long 88% Recover 27/60 24 min. (continued)	54.00					
LIMESTONE				2	full recovery 1 piece over 4" long 100% 6/60 30 min.	49.00					
End of Boring						49.00					

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)

SOIL BORING LOG Page 1 of 2

Date 1/9/04

ROUTE Old Moline Road LOGGED BY W. Garza

SECTION Erie Twp. - NW, SEC. 21, TWP. 19N, R9G. 3E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-45

STRUCT. NO. Station	D E P T H H S	R E C O R D S	U C S O U T	M O S T	Surface Water Elev. Stream Bed Elev.	log ft ft	D E P T H H S	R E C O R D S	U C S O U T	M O S T	ft
BORING NO. <u>B-2</u> Station <u>9784+00</u> Offset <u>6.00H LI CL</u> Ground Surface Elev. <u>98.8</u>					Groundwater Elev.: First Encounter <u>83.3</u> Upon Completion Wash <u>ft</u> After Hrs. <u>ft</u>						
12" Asphalt & Concrete				1	LOOSE gray medium clean SAND (continued)	77.90					
STIFF gray SILTY CLAY LOAM				3	Wash MEDIUM gray clean SAND	75.30					
STIFF gray SILTY CLAY LOAM		3		3	MEDIUM gray clean SAND	73.80					
STIFF dark gray SILTY CLAY LOAM		2		3	MEDIUM gray clean medium SAND	72.80					
MEDIUM gray SILTY CLAY LOAM		1		2	Wash MEDIUM gray SAND & GRAVEL	70.30					
SOFT gray SILTY CLAY with ORGANICS		2		1	Wash MEDIUM gray clean medium SAND	67.80					
MEDIUM dark gray SILTY LOAM with SAND lens and 17% ORGANICS		1		2	Wash MEDIUM gray clean medium SAND	65.30					
VERY LOOSE gray dirty fine SAND		1		2	Wash MEDIUM gray clean medium SAND	62.80					
LOOSE gray dirty fine SAND		1		2	Wash MEDIUM gray clean SAND & GRAVEL	60.30					
LOOSE gray medium clean SAND						40.00					

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. 5-99)

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

BORING LOGS
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET #11 OF 11 SHEETS	ROUTE NO. FAS 203	SECTION 11BR-1	COUNTY WHITESIDE	SHEET 43	POST 22
FED. ROAD DIST. NO. 3			ILLINOIS		FED. AID PROJECT-
CONTRACT #64939					

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

Page 2 of 2
Date 1/9/04

ROUTE Old Moline Road DESCRIPTION P92-050-03 Old Moline Road over Meredosia Ditch east of Hilldale Bridge LOGGED BY W. Garza

SECTION LOCATION Erie Twp. - NW, SEC. 21, TWP. 19N, R4G. 3E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-45

STRUCT. NO. Station 977+21	D L P T H	B L O W S	U C S	M I S S I L	Surface Water Elev. 11.0 ft Stream Bed Elev. 12.0 ft	D E L T A	B L O W S	U C S	W O L L
BORING NO. B-2 Station 978+00 Offset 6.00 ft L.L. CL Ground Surface Elev. 98.8 ft	H S	Q u	T		Groundwater Elev.: First Encounter 83.3 ft Upon Completion Wash ft After Hrs.	(ft)	H S	Q u	T
Wash		3			Wash		2		
MEDIUM gray SAND & GRAVEL (continued)	57.50	5			MEDIUM gray medium SAND (continued)	37.80	5		
		6			End of Boring		10		
Wash		6							
MEDIUM gray SAND & GRAVEL	55.30	7							
Wash		5							
MEDIUM gray clean medium SAND	52.80	7							
Wash		7							
DENSE gray clean medium coarse SAND	50.30	14							
		22							
Wash		4							
MEDIUM Same as above	47.80	11							
		18							
	45.30								
Wash		9							
VERY DENSE tan weathered LIMESTONE with top CLAY lens	42.80	18							
		47							
Wash		10							
MEDIUM tan weathered LIMESTONE with SAND	40.30	5							
		6							
	38.00								

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 T208) BBS, Form 137 (Rev. 8-99)

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

BORING LOGS
FAS ROUTE 203 (MOLINE ROAD)
OVER MEREDOSIA DITCH
SECTION 11BR-1
STA. 428+20.80
WHITESIDE COUNTY
SN 098-0111

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 STATE BOND ISSUE HIGHWAY**

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 TYPICAL SECTIONS, SUMMARY OF QUANTITIES, GENERAL NOTES & SCHEDULE OF QUANTITIES
- 3 PLAN & PROFILE
- 4 GENERAL PLAN & ELEVATION
- 5 APPROACH DETAILS
- 6 SUPER STRUCTURE
- 7 TYPE W STEEL RAILING
- 8 ABUTMENTS
- 9 CROSS SECTIONS (TEMPORARY RUNAROUND)

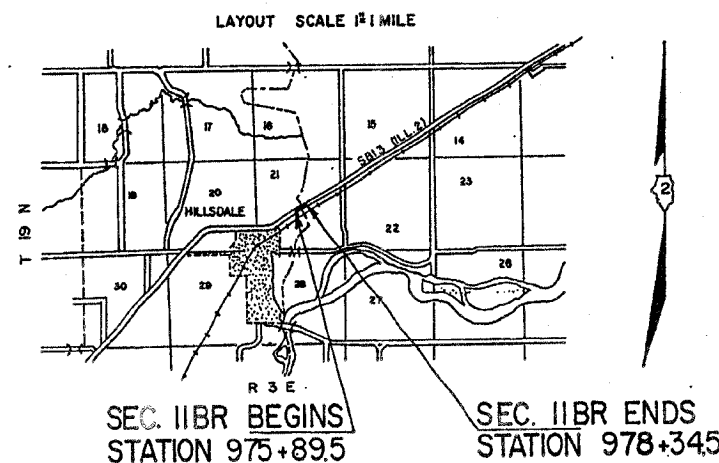
SCALES

PLAN	1 INCH	50 FT.
PROFILE, HOR.	1 INCH	50 FT.
PROFILE, VERT.	1 INCH	10 FT.
CROSS-SECTIONS	1 INCH	5 FT.

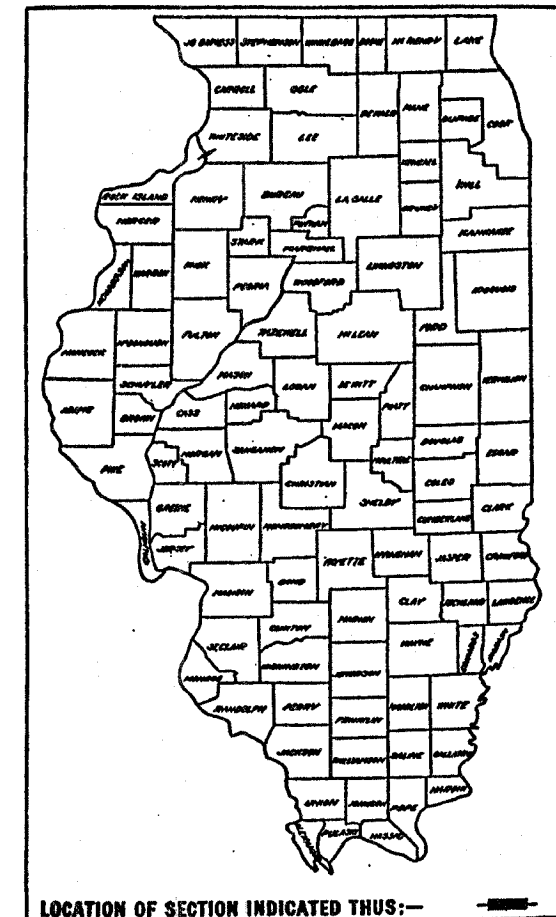
SBI ROUTE 3
 SEC 11 BR
 WHITESIDE COUNTY

- STD. 2115-3 PAVEMENT FABRIC
- STD. 2230-3 STEEL PLATE BEAM GUARD RAIL
- STD. 2231-3 TYPICAL APPLICATION OF STEEL PLATE BEAM GUARD RAIL
- STD. 2298-1 APPLICATION OF TRAFFIC CONTROL DEVICES
- STD. 2299-1 DESIGN OF TRAFFIC CONTROL DEVICES
- STD. 2300 FLAGMAN TRAFFIC CONTROL SIGN
- STD. 2303-1 APPLICATION OF TRAFFIC CONTROL DEVICES
- STD. 2310-1 APPLICATION OF TRAFFIC CONTROL DEVICES
- STD. 2239-3 BITUMINOUS SHOULDER

ABOVE STANDARDS ARE INCLUDED AFTER SHEET 32 OF SET 4



GROSS LENGTH OF SECTION 245.0 FT.=.046 MILES
 NET LENGTH OF SECTION 245.0 FT.=.046 MILES



SECTION 11 BR INCLUDES THE REMOVAL OF THE EXISTING SUPERSTRUCTURE AND PORTIONS OF THE SUBSTRUCTURE AND REPLACEMENT WITH A PRECAST PRESTRESSED DECK BEAM BRIDGE OVER MEREDOSIA SLOUGH. ALSO INCLUDED IS CONSTRUCTION OF A TEMPORARY BRIDGE AND RUNAROUND AND ALL OTHER WORK THAT IS NECESSARY TO COMPLETE THE SECTION.

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

SUBMITTED March 30, 1970

EXAMINED April 16, 1970

PASSED April 25, 1970

APPROVED April 25, 1970

APPROVED April 25, 1970

DIRECTOR

TYPICAL SECTIONS

GENERAL NOTES

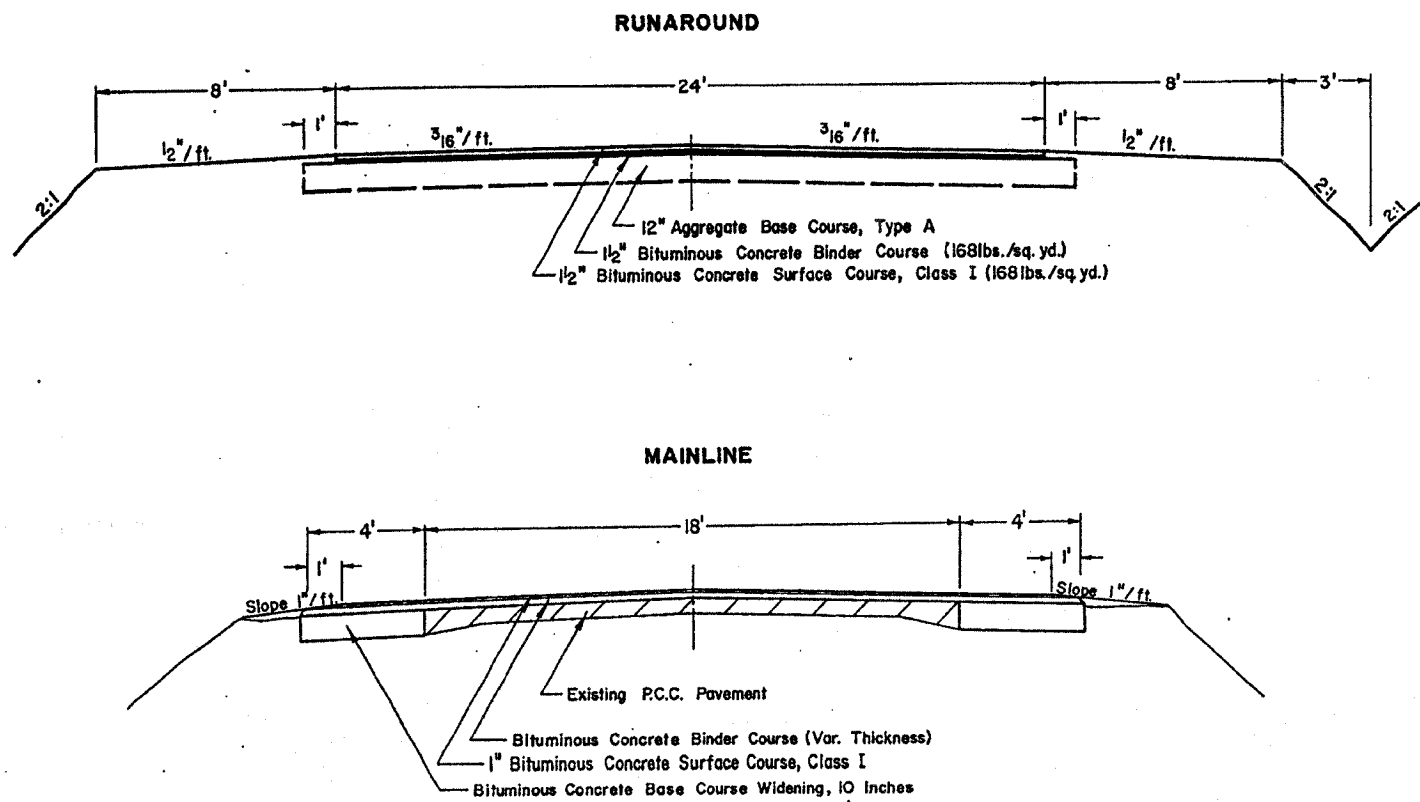
FOR INFORMATION ONLY

ENTIRE SECTION INSPECTED AND APPROVED AS TO POLICY
 DATE March 20 1970
 DISTRICT ENGINEER D. E. Summitt

THE CONTRACTOR SHALL ERECT BARRICADES CONFORMING TO STANDARD 2298. AT LOCATIONS AS DIRECTED BY THE ENGINEER

THE BRIDGE WEARING SURFACE CONSISTING OF 2" BITUMINOUS CONCRETE SURFACE COURSE, CLASS I SHALL BE PLACED IN TWO 1" LIFTS

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION



SUMMARY OF QUANTITIES

CODE	PAY ITEM	UNIT	QUANTITY
201005	TREE REMOVAL ACRES	ACRE	0.4
202001*	EARTH EXCAVATION	CU. YD.	1429.1702
202004*	EARTH EXCAVATION WIDENING	CU. YD.	26.1
204001*	BORROW EXCAVATION	CU. YD.	2012.182.9
301001	AGGREGATE BASE COURSE TYPE A	TON	375.852.9
306002	BITUMINOUS CONCRETE BASE COURSE WIDENING 10 INCH	SQ. YD.	189.94
406002*	BITUMINOUS MATERIALS PRIME COAT	TON	1.75
406007*	BITUMINOUS CONCRETE BINDER COURSE	TON	189.182
406008	BITUMINOUS CONCRETE SURFACE COURSE CLASS I	TON	189.182
408005	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ. YD.	28.33.2
408013	PAVEMENT FABRIC	EACH	28.33.2
501015*	REMOVAL OF EXISTING SUPER-STRUCTURE	CU. YD.	1
501022	CONCRETE REMOVAL	EACH	10.04
504026	EXPANSION BOLTS 3/4 INCH	EACH	104
504003	CLASS X CONCRETE	CU. YD.	827.29.8
505001*	PRECAST CONCRETE BRIDGE SLAB	SQ. FT.	289
505005	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ. FT.	1566
508012	STEEL RAILING TYPE W	LIN. FT.	163
512001	REINFORCEMENT BARS	POUND	450.412.7
620026	PAVEMENT REMOVAL AND PORTLAND CEMENT CONCRETE REPLACEMENT TYPE II-10"	SQ. YD.	2.11.68
628001	STEEL PLATE BEAM GUARD RAIL SINGLE RAIL	LIN. FT.	400.279
636007*	STOCK-PILING SALVAGED AGGREGATE	CU. YD.	200.258
638001*	TEMPORARY BRIDGE COMPLETE	EACH	1
646002	ENGINEER'S FIELD OFFICE, TYPE B	EACH	0
Z10178*	COAL TAR INTER LAYER PROTECTIVE COAT	SQ. YD.	173
XZ1016*	TRAFFIC CONTROL AND PROTECTION, STANDARD 2310	EACH	1

SCHEDULE OF QUANTITIES

TREE REMOVAL ACRES	ACRES	BITUMINOUS CONCRETE BINDER COURSE	TON
Entire Section	0.4	Sta 10+00-12+95 (Temporary Runaround)	42
EARTH EXCAVATION	CU. YD.	13+80-16+88.64 (Temporary Runaround)	45
Stage I (Temporary Runaround)	184	975+37.3-976+87.3	26
Stage II (Removal of Runaround)	1235	977+36.7-978+86.7	26
TOTAL	1429 Cu.Yd.	BITUMINOUS CONCRETE SURFACE COURSE CLASS I	TON
EARTH EXCAVATION (WIDENING)	CU. YD.	Sta 975+27.3-978+96.5	68
Sta L&R 975+87.3-976+87.3	26	10+00-12+95 (Temporary Runaround)	42
L&R 977+36.7-978+36.7	26	13+80-16+88.64 (Temporary Runaround)	45
TOTAL	52 Cu.Yd.	TOTAL	155 Ton
BORROW EXCAVATION	CU. YD.	STEEL PLATE BEAM GUARD RAIL SINGLE RAIL	LIN. FT.
Stage I (Temporary Runaround)	2012	Sta 975+87-976+87	200
		977+37-978+37	200
AGGREGATE BASE COURSE, TYPE A	TON	TOTAL	400 Lin Ft
Sta 10+00-12+95 (Temporary Runaround)	374	STOCK-PILING SALVAGED AGGREGATE	CU. YD.
Sta 13+20-16+88.64 (Temporary Runaround)	401	Entire Section	260
TOTAL	775 Ton	ENGINEER'S FIELD OFFICE TYPE B	EACH
BITUMINOUS MATERIALS PRIME COAT	TON	Entire Section	1
Sta 975+27.3-976+87.3	0.1	TRAFFIC CONTROL AND PROTECTION STANDARD 2310	EACH
977+36.7-978+96.7	0.1	Entire Section	1
10+00-12+95 (Temporary Runaround)	0.7		
13+80-16+88.64 (Temporary Runaround)	0.8		
TOTAL	1.7 Ton		
BITUMINOUS CONCRETE BASE COURSE WIDENING 10"	SQ. YD.		
Sta L&R 975+87.3-976+87.3	94.5		
L&R 977+36.7-978+36.7	94.5		
TOTAL	189. Sq.Yd.		

* SEE SPECIAL PROVISIONS

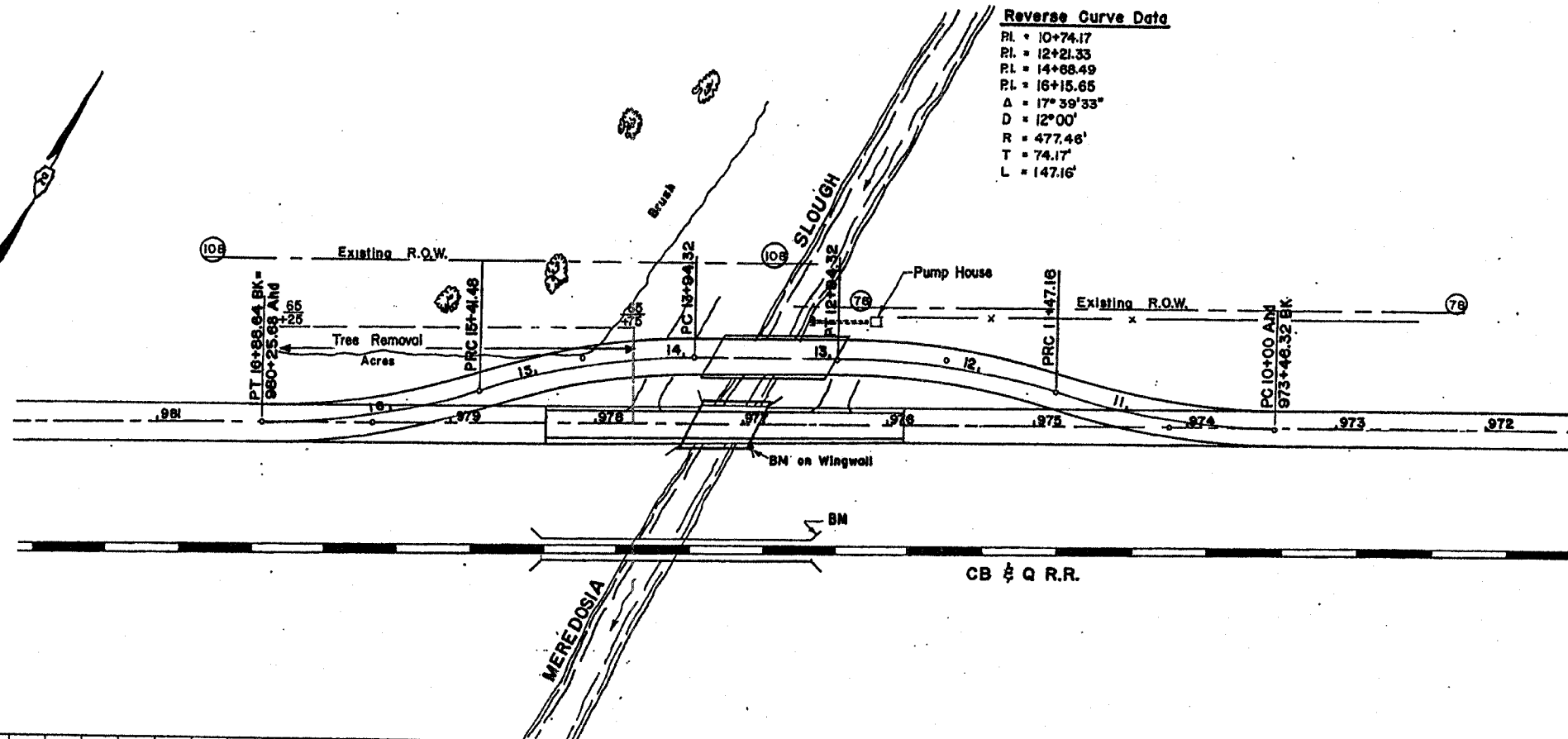
BM Bolt N.E. end East Abut. RR. Bridge
Sta. 976+60 Elev. 145.41

BM "D" ON S.E. WINGWALL
STA. L 976+87 ELEV. 144.80

SHEET 25 OF 43
FOR INFORMATION ONLY

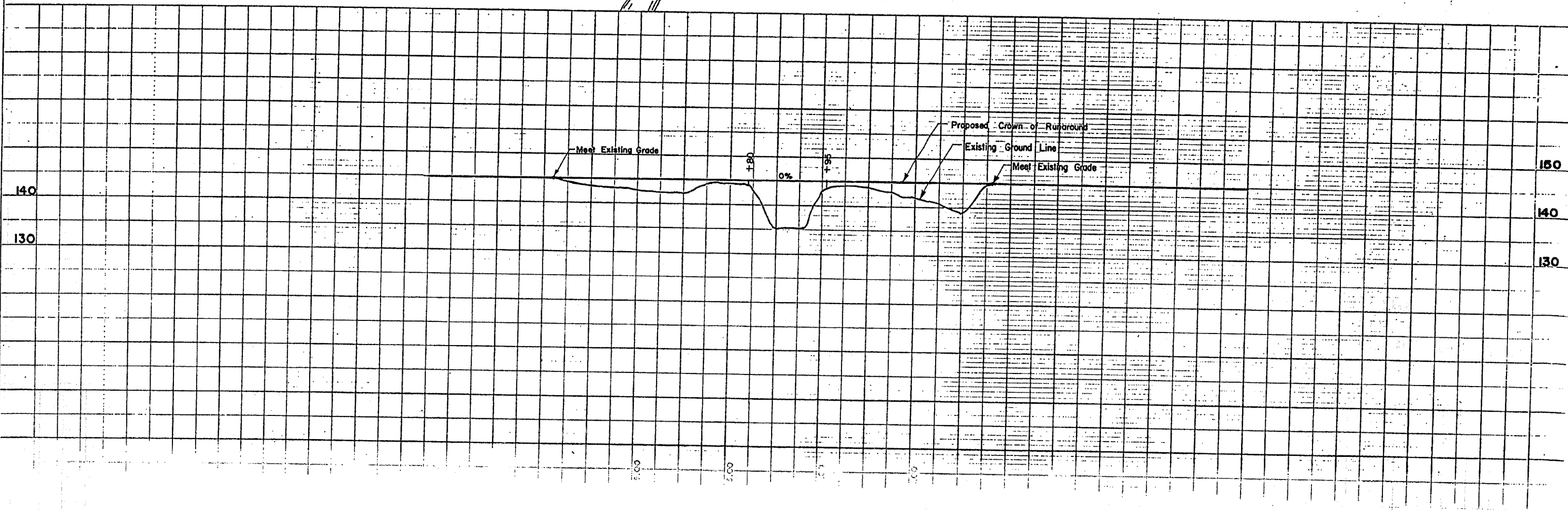
Reverse Curve Data

- PI = 10+74.17
- PI = 12+21.33
- PI = 14+68.49
- PI = 16+15.65
- Δ = 17° 39' 33"
- D = 12° 00'
- R = 477.46'
- T = 74.17'
- L = 147.16'



PLAN	DATE
NO. 100	
BY	
CHECKED	
DATE	

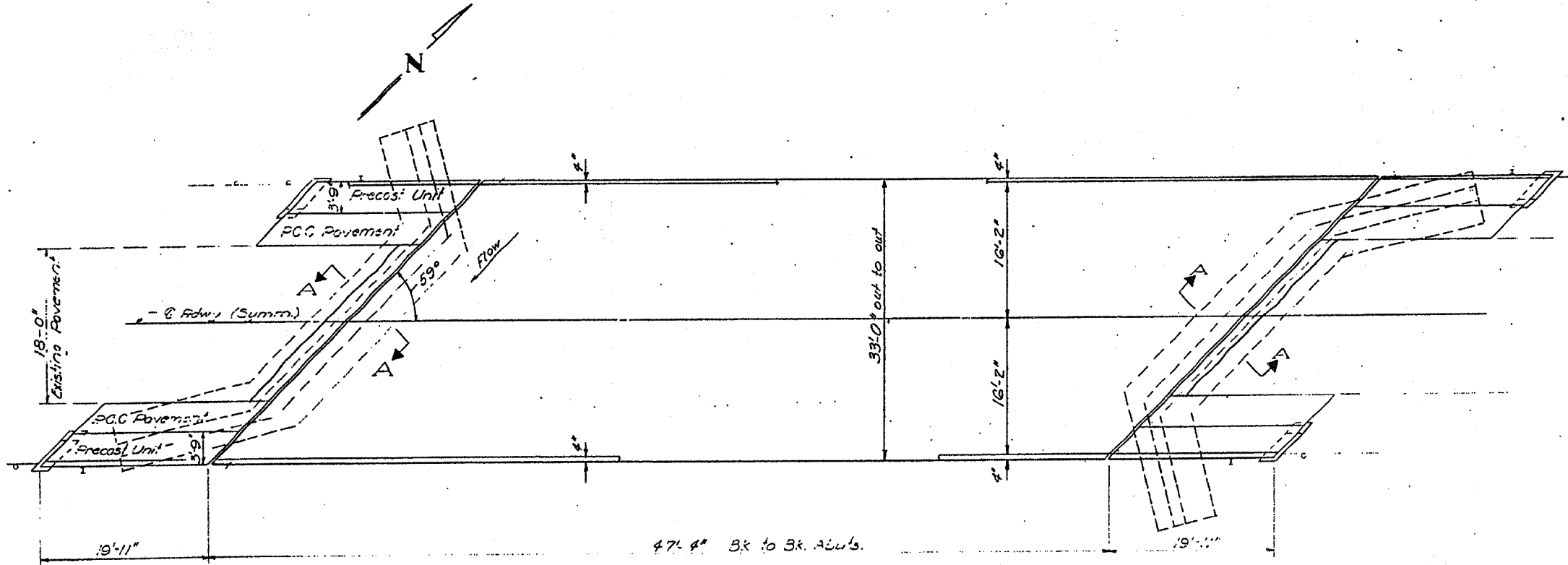
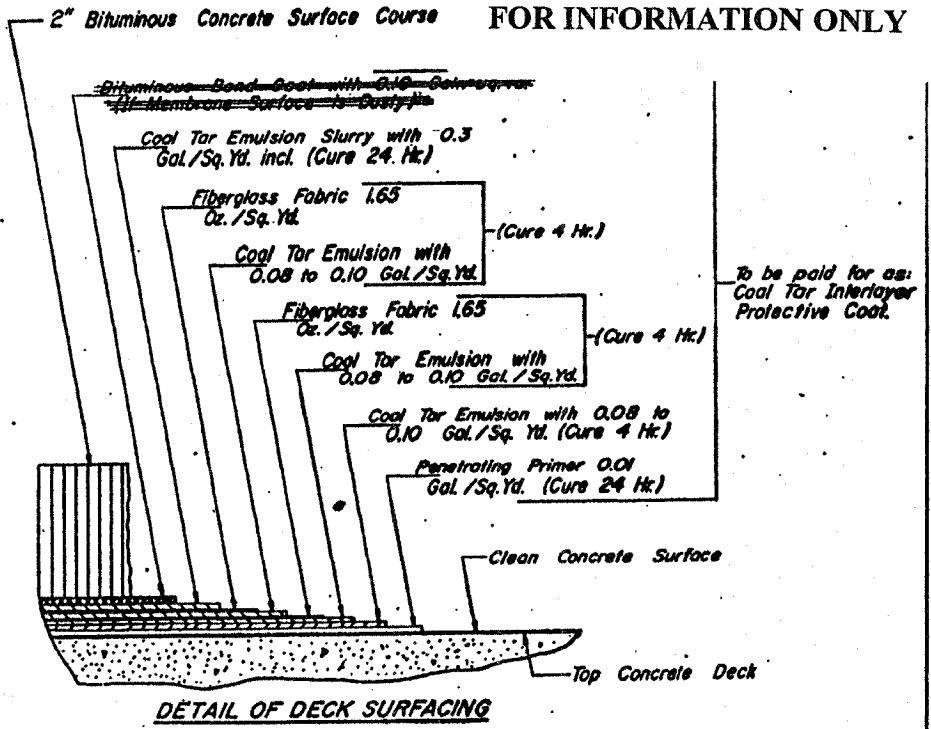
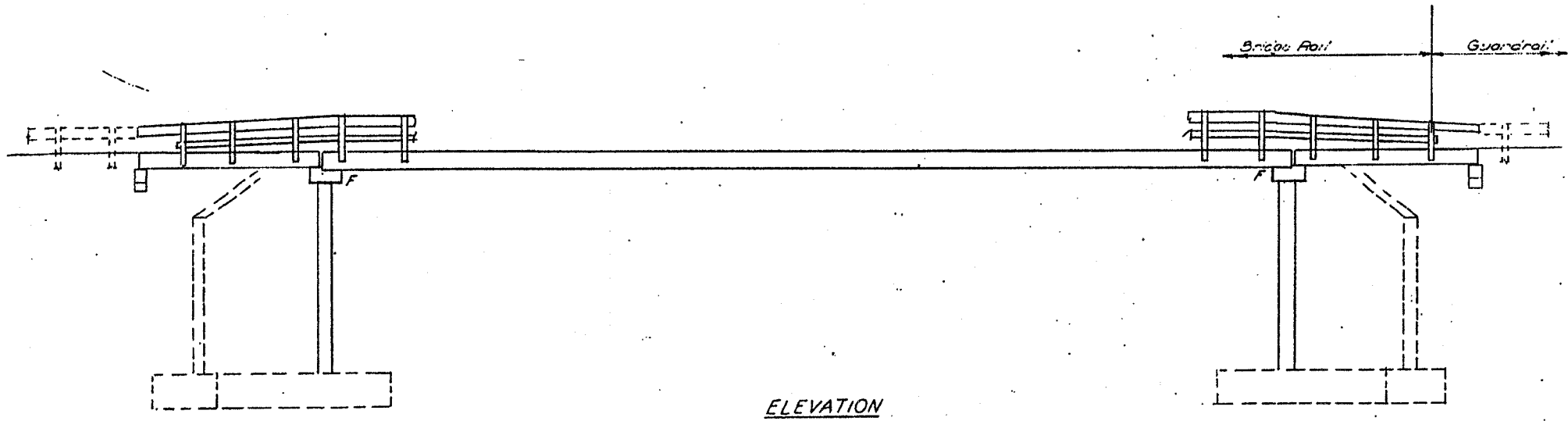
PROFILE	DATE
NO. 100	
BY	
CHECKED	
DATE	



Built as SBI-RT.3 Sec. II B Year Built 1724 Sta. 177+12
 Existing Structure: RC Through Girder, 24'-3" wide, 49'-5" long
 Temporary Bridge required ft. long ft. wide HS 15 loading
 Remove exist. Superstructure, No Salvage

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

NOTE NO.
 3
 P.A.
 FEB. 1970



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 ksi) is permitted.

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

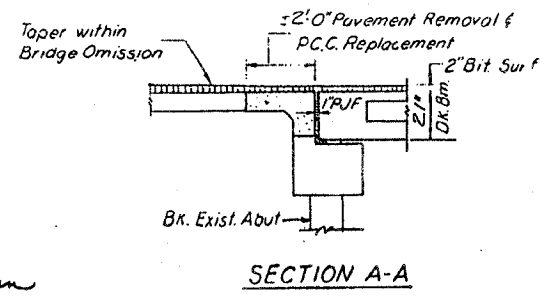
Any excavation shall be incidental to Bridge Contract.

Shoulder transition to wingwall shall be shaped with broken concrete. Coat incidental.

Limits of Cool Tar Interlayer Protective Coat shall be back to back of abutments and out to out of deck.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Portland Cement Concrete Pavement (10")	Sq. Yds.	33		33
Pavement Fabric	Sq. Yds.	33		33
Concrete Removal	Cu. Yds.		14	14
Expansion Bolts (3/4")	Each	48	56	104
Class X Concrete	Cu. Yds.	1.9	23.8	25.7
Precast Concrete Bridge Slab	Sq. Ft.	297		297
Precast Prestressed Concrete Deck Beams (2")	Sq. Ft.	1556		1556
Steel Railing, Type W	Lin. Ft.	163		163
Reinforcement Bars	Lbs.		4,130	4,130
Pavement Removal & P.C.C. Replacement, Type 2 (10")	Sq. Yds.	9		9
Removal of Existing Superstructures	Each	1		1
Cool Tar Interlayer Protective Coat	Sq. Yds.	173		173
Temporary Bridge Complete	Each			1



DESIGN STRESSES

FIELD UNITS

$f_c = 1400$ psi. (super)

$f_c = 1000$ psi. (sub)

$f_s = 20,000$ psi. (reinf)

$V_c = 75$ psi. (footing)

$n = 10$

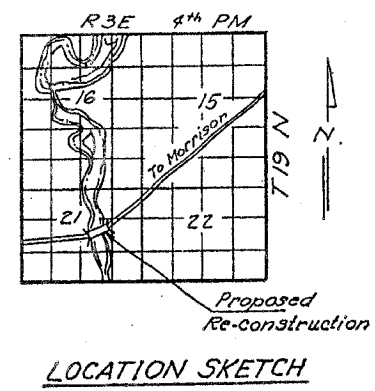
PRECAST PRESTR. UNITS

$f_c = 5000$ psi.

$f_{ci} = 4000$ psi.

$f_s = 248,000$ psi.

$f_{ai} = 173,600$ psi.



DESIGNED: Simon Votaw

CHECKED: James Pence

DRAWN: Simon Votaw

CHECKED: JP

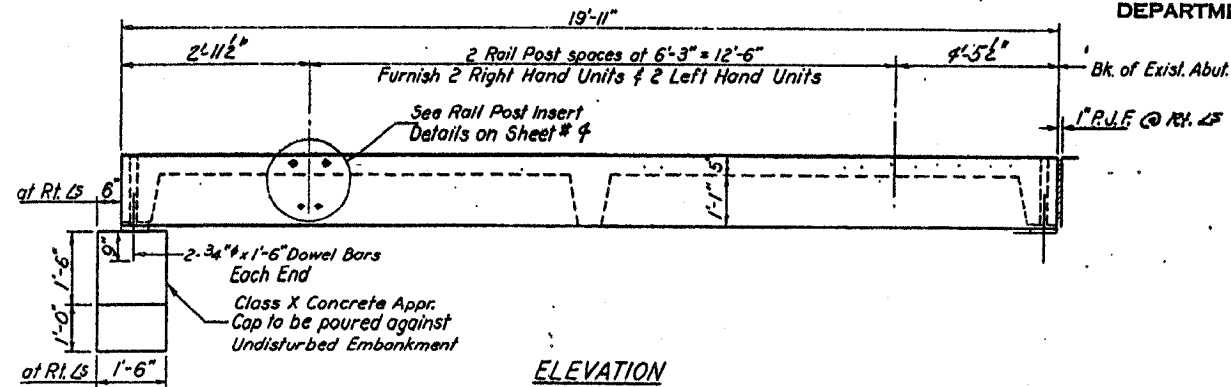
EXAMINED: FEBRUARY 26 1970

PASSED: W.E. Baumann

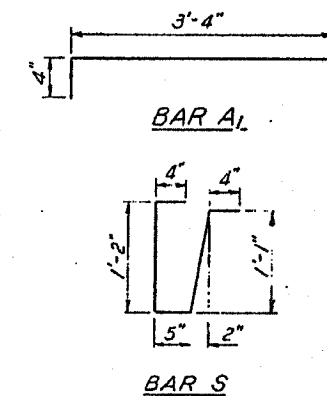
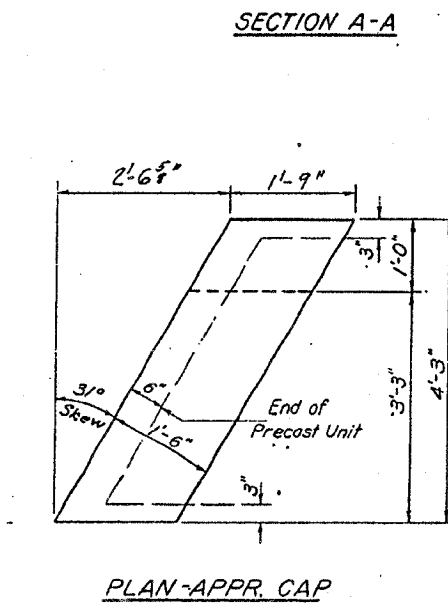
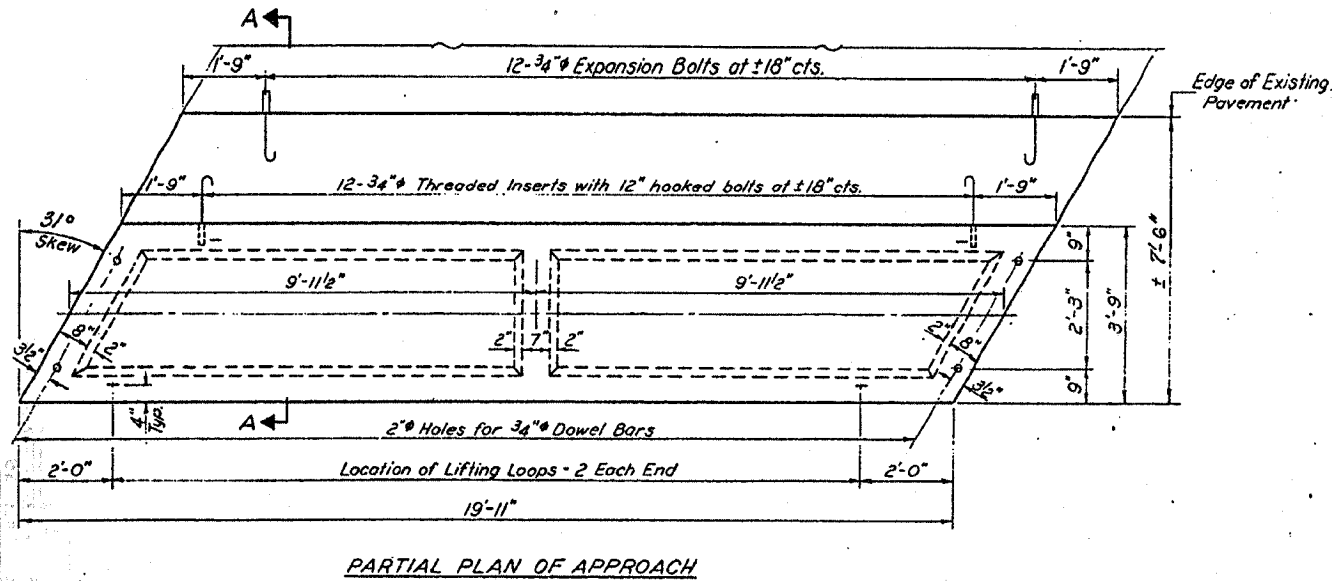
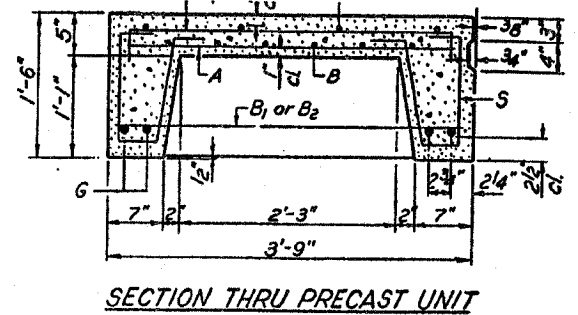
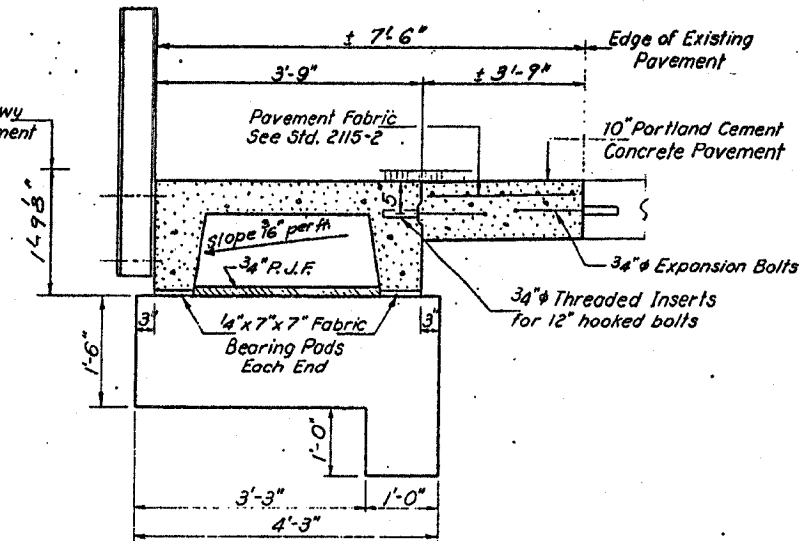
APPROVED: Richard L. Holtemann

GENERAL PLAN & ELEVATION
 S.B.I. RT.3 OVER MEREDOSIA SLOUGH
 S.B.I. RT.3 SEC. II BR
 WHITESIDE COUNTY
 STA. 177+12

SCALE 3/4" = 1'-0"
P.A.
FILE NO.



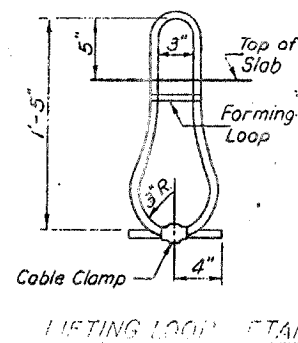
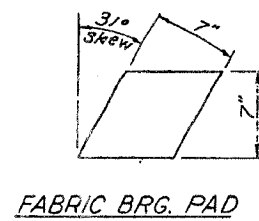
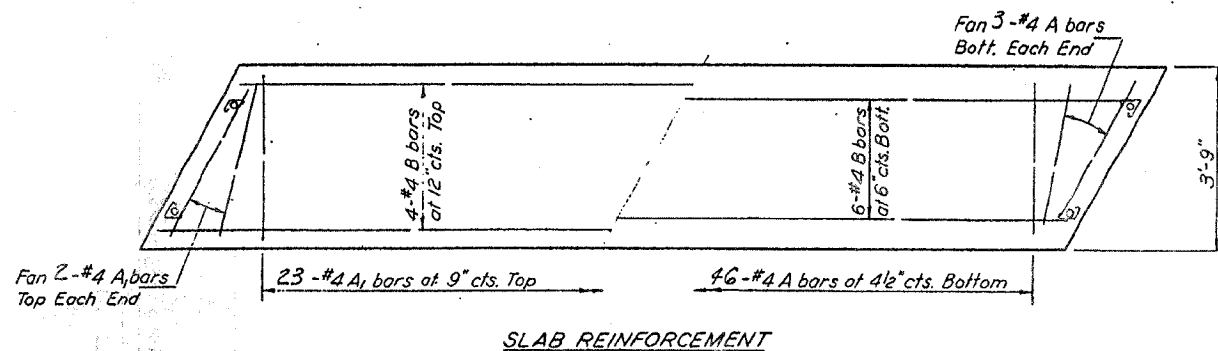
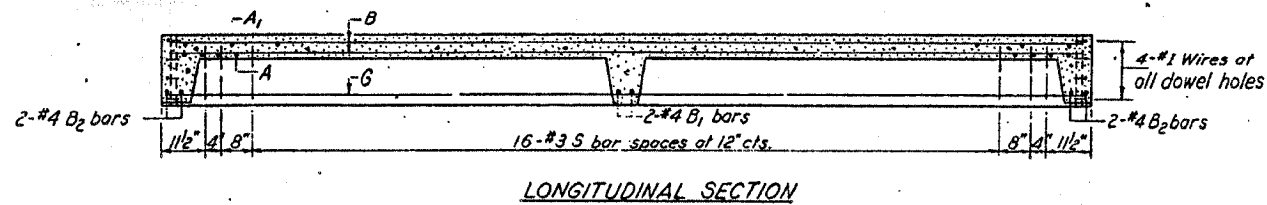
Grade Line Elev. of Rdwy
Top of exist. conc. pavement



BAR LIST - ONE UNIT

Reinforcement to be cast into slab

Bar	No.	Size	Length	Shape
A	52	#4	3'-3"	—
A1	27	#4	4'-0"	—
B	10	#4	19'-6"	—
B1	2	#4	3'-6"	—
B2	4	#4	4'-0"	—
G	4	#10	19'-6"	—
S	42	#3	3'-4"	U



NOTES

Unless otherwise approved by the Engineer, lifting loops shall be 1/2" 6x19 class wire rope with fiber core and shall have a minimum ultimate strength of 18,700 lbs. Loops shall be burned off after slab has been erected. Holes shall be drilled and anchor dowels grouted in place.

Cost of reinforcement and accessories cast into the slab unit, bearing pads, furnishing, drilling for, placing and grouting anchor dowels and 3/4" hooked bolts is included in Unit bid price for "Precast Concrete Bridge Slab."

The Precast Concrete Bridge Slab shall be erected and aligned with the exterior face of the exterior Deck Beam after Deck Beams are in final position.

BILL OF MATERIAL

Item	Unit	Quantity
Precast Concrete Bridge Slab	Sq. Ft.	299
Portland Cement Concrete Pavement (10)	Sq. Yds.	33
Pavement Fabric	Sq. Yds.	33
Expansion Bolts 3/4"	Each	48
Class X Concrete	Cu. Yds.	1.9

STRESSES

f_c = 4,500 psi.
f_c = 1,800 psi.
f_s = 20,000 psi.
n = 8

APPROACH DETAILS
S.B.I.R.T. 3 SEC. II BR

WHITE SIDE COUNTY

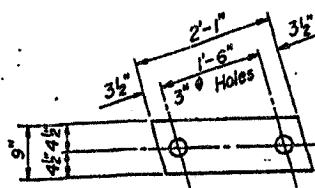
DESIGNED Simon Ustumbal
CHECKED James Pence
DRAWN J.L. Armstrong
EXAMINED
PASSED W.E. Bauman
APPROVED

FEB. 26 1970

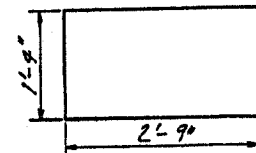
DRG. 11-100

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

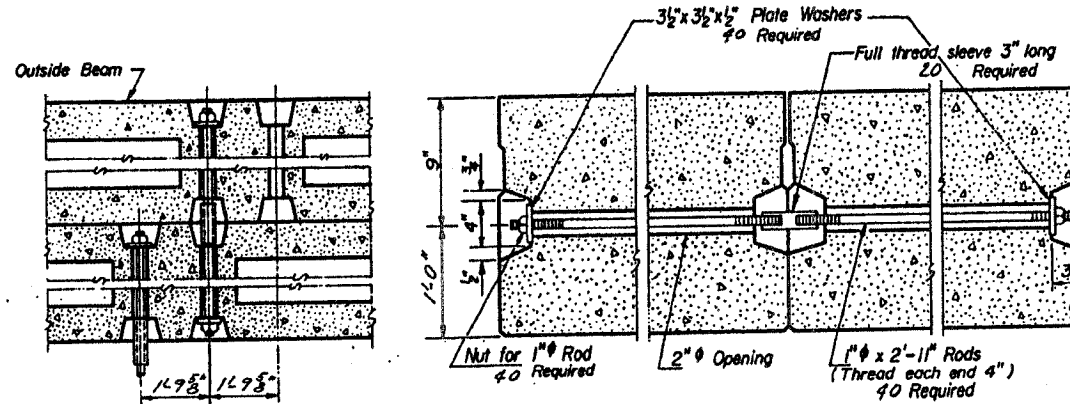
FOR INFORMATION ONLY



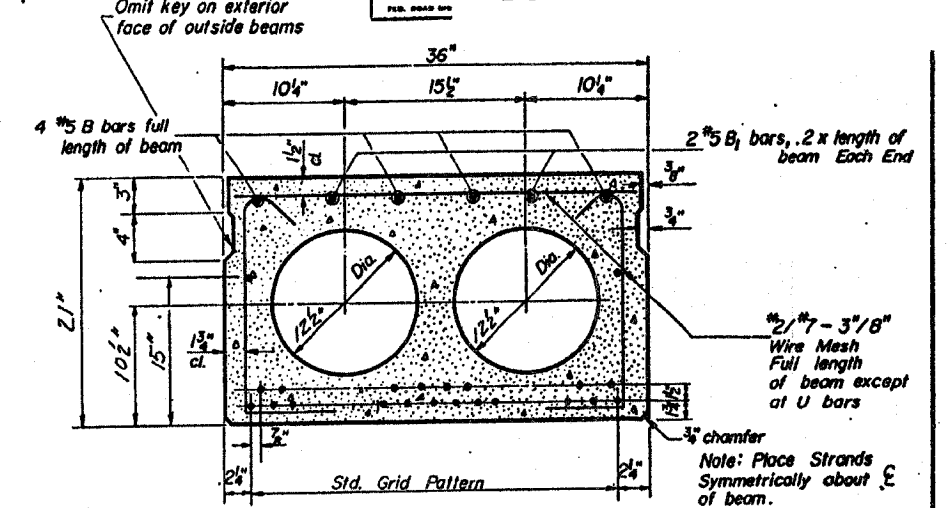
FABRIC BEARING PAD



U BAR

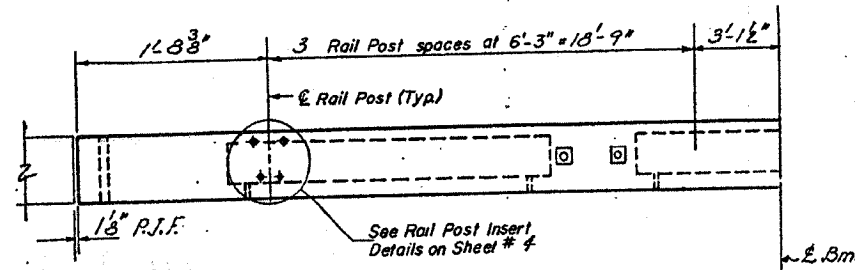


TYPICAL TRANSVERSE TIE ASSEMBLY

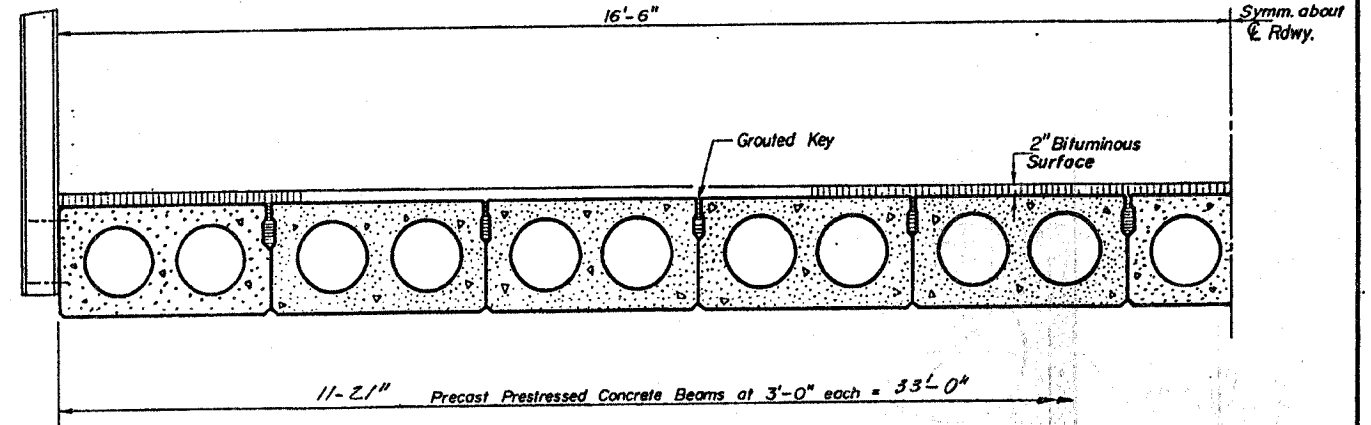


TYPICAL SECTION

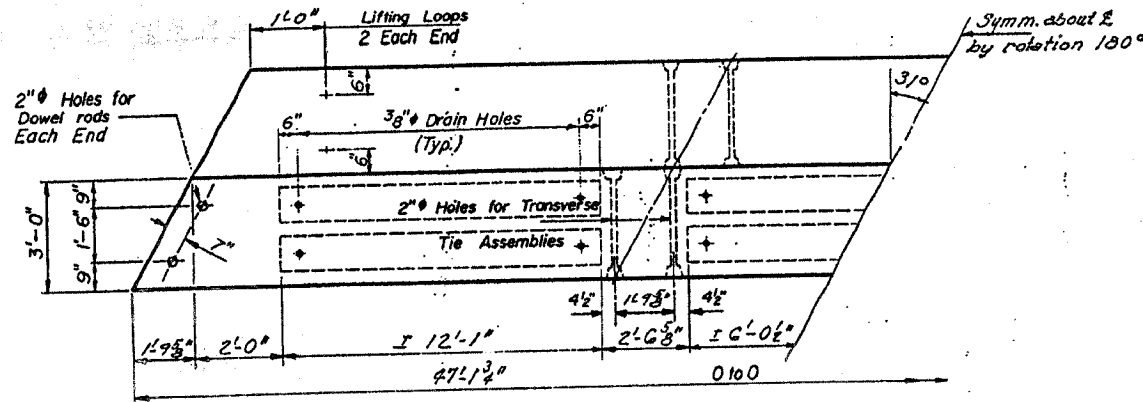
7/16" Strands Each Strand Stressed to 18,900 lbs.
12 Strands 1 3/4" up, 8 Strands 3/4" up, 2 Strands 15" up



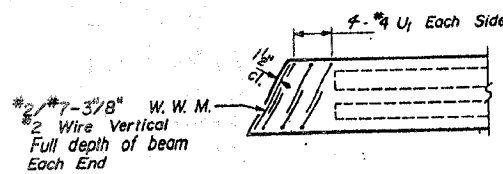
ELEVATION



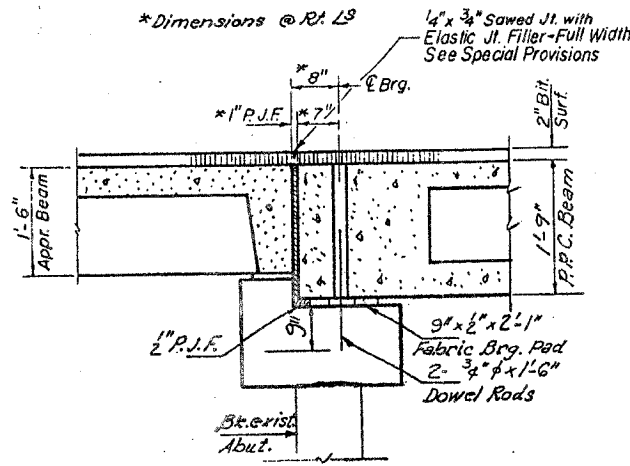
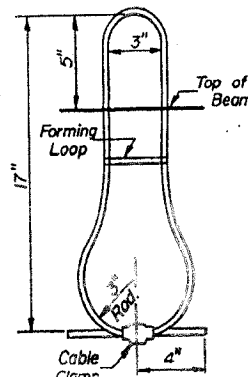
HALF CROSS SECTION



PARTIAL PLAN



END PLAN



GENERAL NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand. The nominal diameter shall be 7/16" and the nominal cross-sectional area shall be 0.109 sq. in. Lifting loops shall be 5/8" diameter, 6x19 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 27,000 lbs. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside beam shall be filled with grout after transverse tie assembly is in place. Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar. After beams have been erected, holes for dowel anchors shall be drilled into sub-structure. Grout dowels at fixed end. An expansion end grout dowels into sub-structure & fill holes in beam with P.A.F.-4. Steel for dowel rods, transverse tie rods, and armor angles shall be S.A.E. 1020, or ASTM A-306 Grade 70-80. After fabrication the transverse tie assemblies (tie rods, nuts, washers and sleeves) shall be hot-dipped galvanized in accordance with A.S.T.M. Designation A153. Cost of reinforcement and accessories cast into the beam, of bearing pods, of armor angles, and of grouting longitudinal shear keys is included in unit price bid for "Precast Prestressed Concrete Deck Beams."

BILL OF MATERIAL

Item	Quantity	Unit	Notes
Precast Prestressed Concrete Deck Beams 2'1"	Sq. Ft.	1556	
Removal of Existing Superstructure	Each	1	

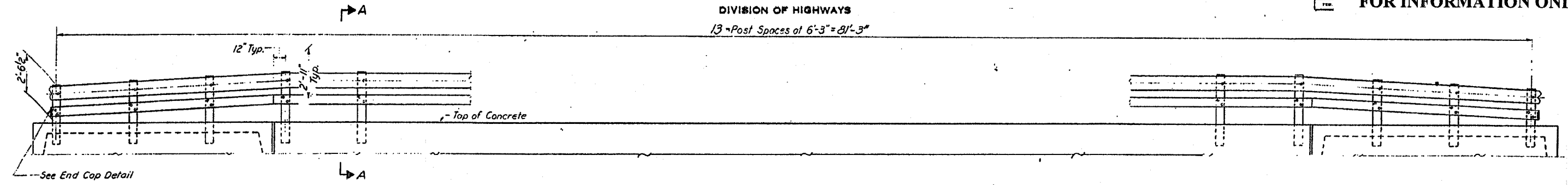
SUPERSTRUCTURE
S.B.I.R.T. 3 SEC. 11 BR
WHITESIDE COUNTY
STA. 977+12

DESIGNED: Simon Ustank
CHECKED: James Ponce
DRAWN: JAMES R. CARMAN
EXAMINED: [Signature]
PASSED: [Signature]
FEB. 26 1970

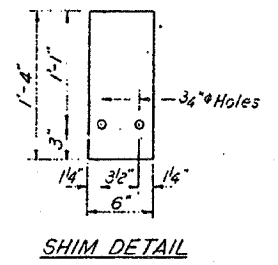
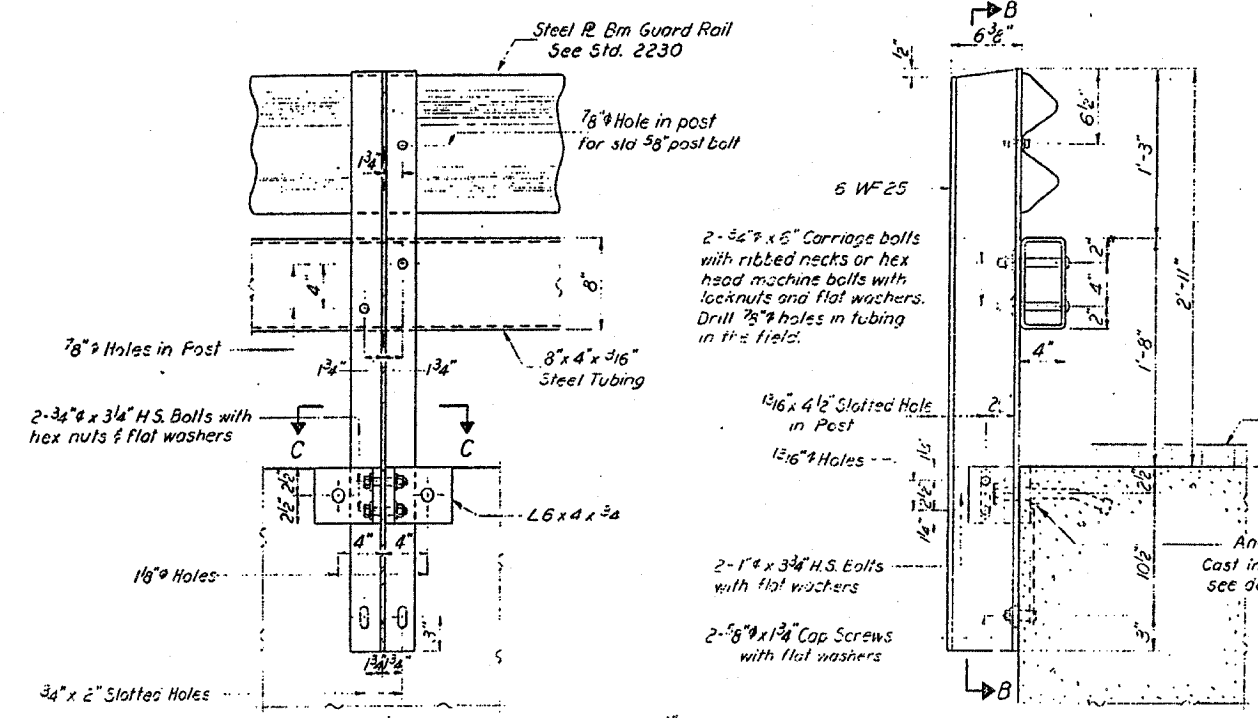
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FOR INFORMATION ONLY

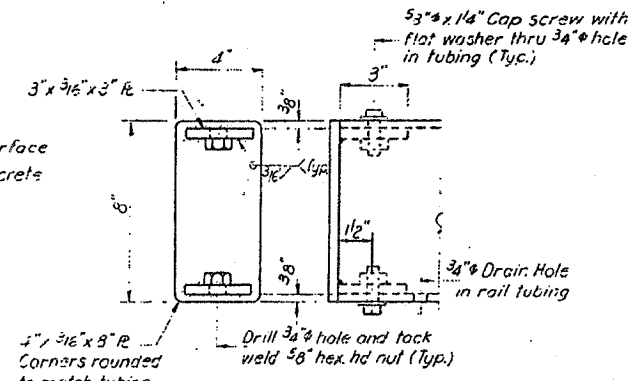
13 Post Spaces of 6'-3" = 81'-3"



ELEVATION
Showing inside face of railing



SHIM DETAIL



END CAP DETAIL
4 Required

NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-501 Hot Formed Welded and Seamless Carbon Steel Structural Tubing.

All other steel shapes and plates shall conform to the requirements of ASTM designation A-441 or A-36.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to ASTM designation A-325.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with ASTM designation A-153.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with ASTM designation A-123 and A-385. Galvanized rail shall not be painted.

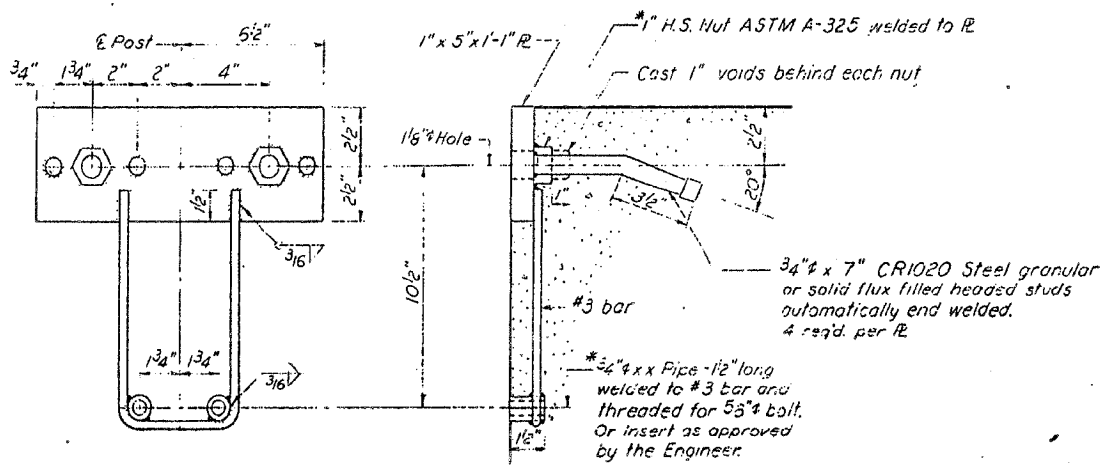
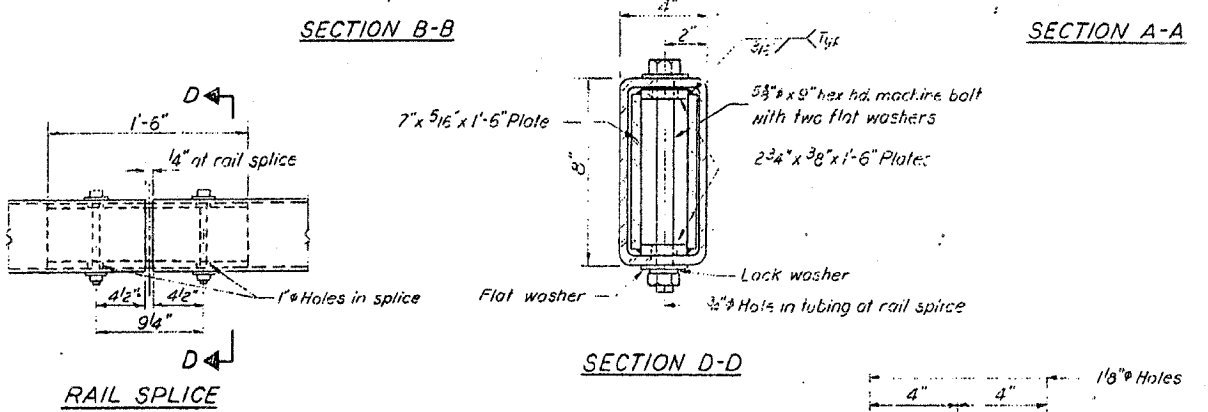
Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for of the contract unit price per linear foot for STEEL RAILING, TYPE W.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 714.08 Type B or place 1/2" fabric bearing pad between the post and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 710.11 of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete beam shall be tightened to a snug fit and given an additional 1/8 turn.

For multi-span bridges, sufficient 1/4" x 6" x 1-1/4" galvanized steel shims shall be provided to align rail between adjacent spans. Cost incidental to Steel Railing.

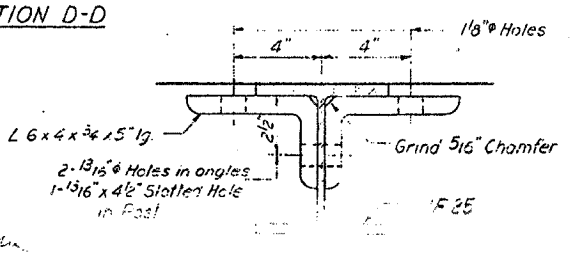


ANCHOR DEVICE

BILL OF MATERIAL

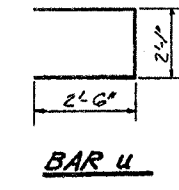
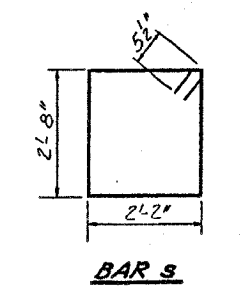
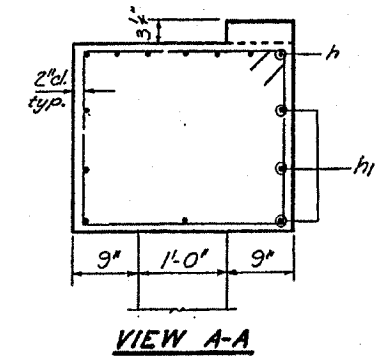
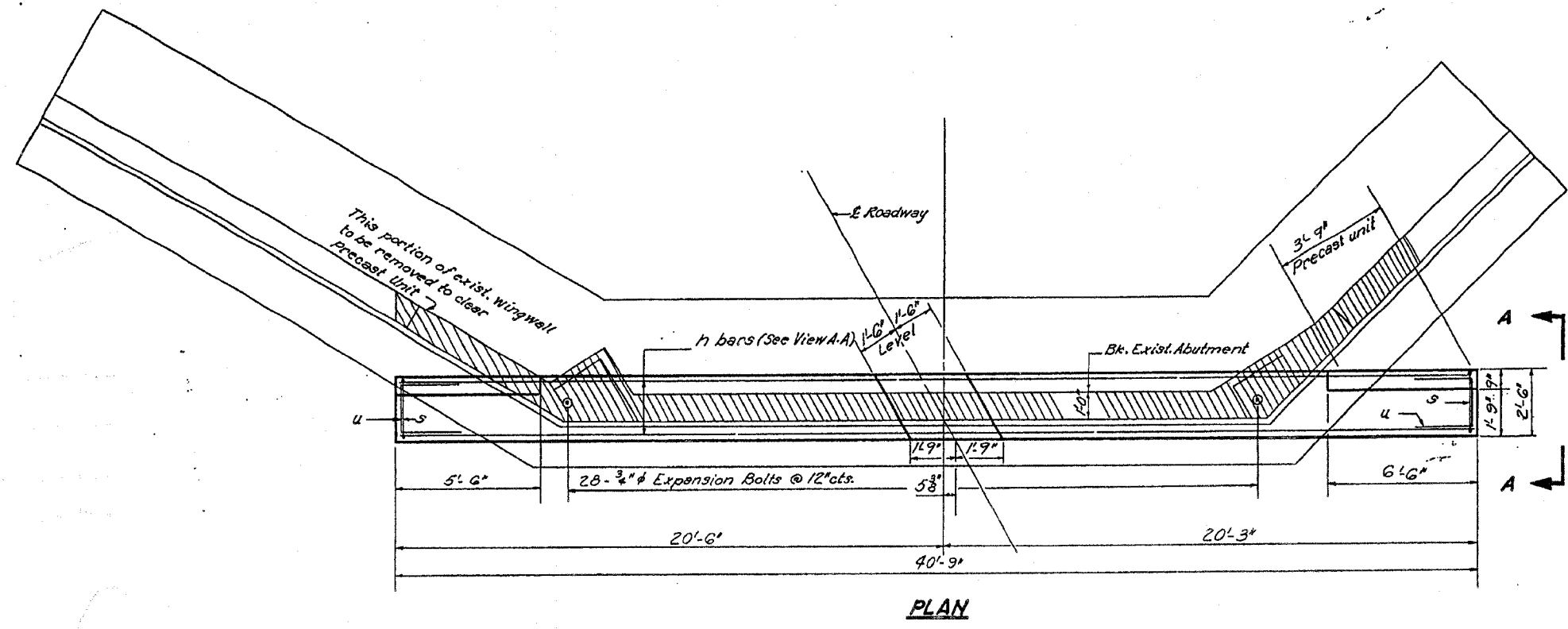
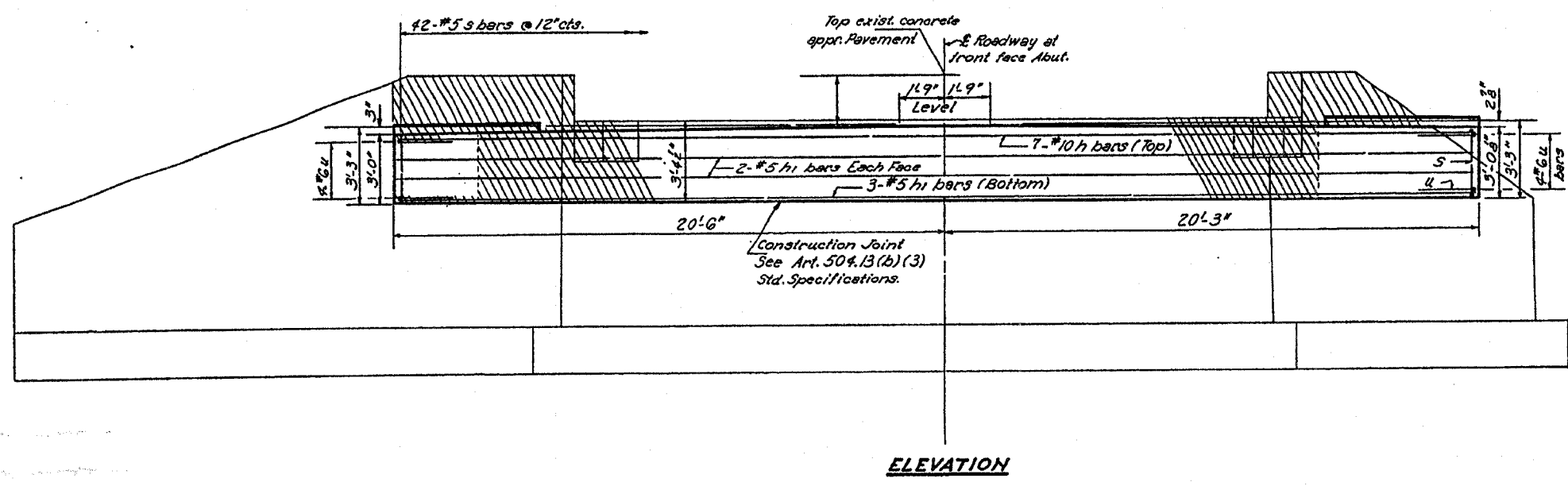
Item	Unit	Quantity
STEEL RAILING, TYPE W	Lin. Ft.	163

DESIGNED *Simon McManis*
CHECKED *James Ponce*
EXAMINED *Feb 24 1970*
PASSED *W. B. ...*



TYPE W
STEEL RAILING
S.B.I.R.T.3 SEC.11-BR
WHITESIDE COUNTY

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



**TWO ABUTMENTS
BILL OF MATERIAL**

Bar No.	Size	Length	Shape
h	#10	90'-6"	—
h1	#5	40'-6"	—
s	#5	10'-7"	□
u	#6	7'-1"	□
Class X Concrete		Cu. Yds.	23.8
Concrete Removal		Cu. Yds.	14
Reinforcement Bars		Lbs.	4,130
Expansion Bolts 3/4"		Each	56

**ABUTMENTS
S.B.I.R.T. 3 SEC. II BR
WHITESIDE COUNTY**

DESIGNED *Simon Heston*
CHECKED *James Pence*
EXAMINED *[Signature]*
PASSED *[Signature]*
FEB. 26 1970

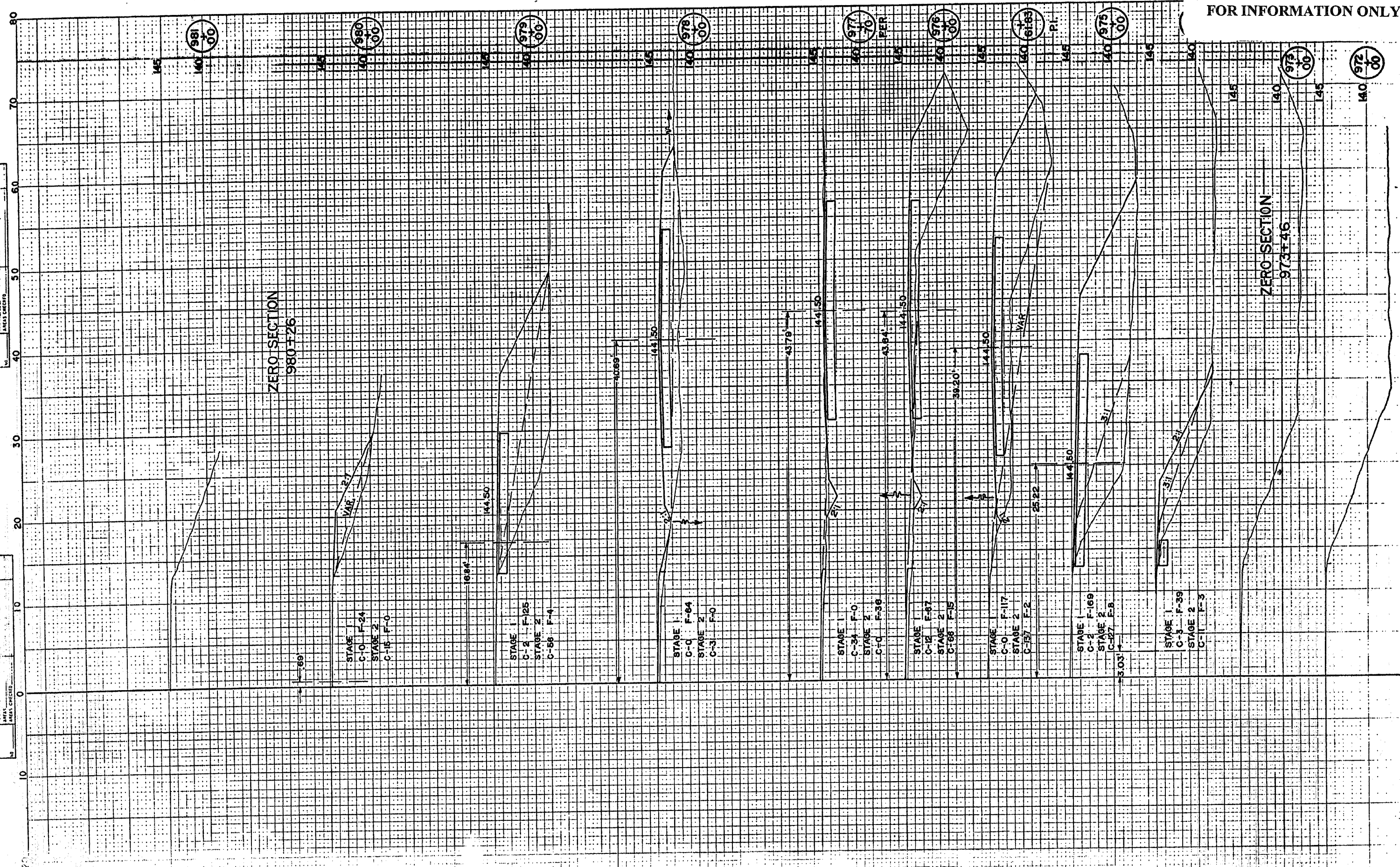
Notes:
Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and bonded into new construction.
Expansion Bolts shall be anchored in sound concrete.
All edges shall have standard 1/4" chamfers except as noted.

281 Rfs 3 2nd 118B Whiteside Co. Dist. 5

FOR INFORMATION ONLY

DATE	BY	REVISION

DATE	BY	REVISION



ZERO SECTION
980+26

ZERO SECTION
973+46

ZERO SECTION
972+00

STAGE 1
C-0 F-24

STAGE 2
C-15 F-0

STAGE 1
C-2 F-25

STAGE 2
C-58 F-4

STAGE 1
C-0 F-84

STAGE 2
C-3 F-0

STAGE 1
C-24 F-0

STAGE 2
C-0 F-36

STAGE 1
C-12 F-87

STAGE 2
C-68 F-15

STAGE 1
C-0 F-117

STAGE 2
C-57 F-2

STAGE 1
C-2 F-169

STAGE 2
C-27 E-8

STAGE 1
C-3 F-39

STAGE 2
C-1 F-3

145
140
981
00

145
140
980
00

145
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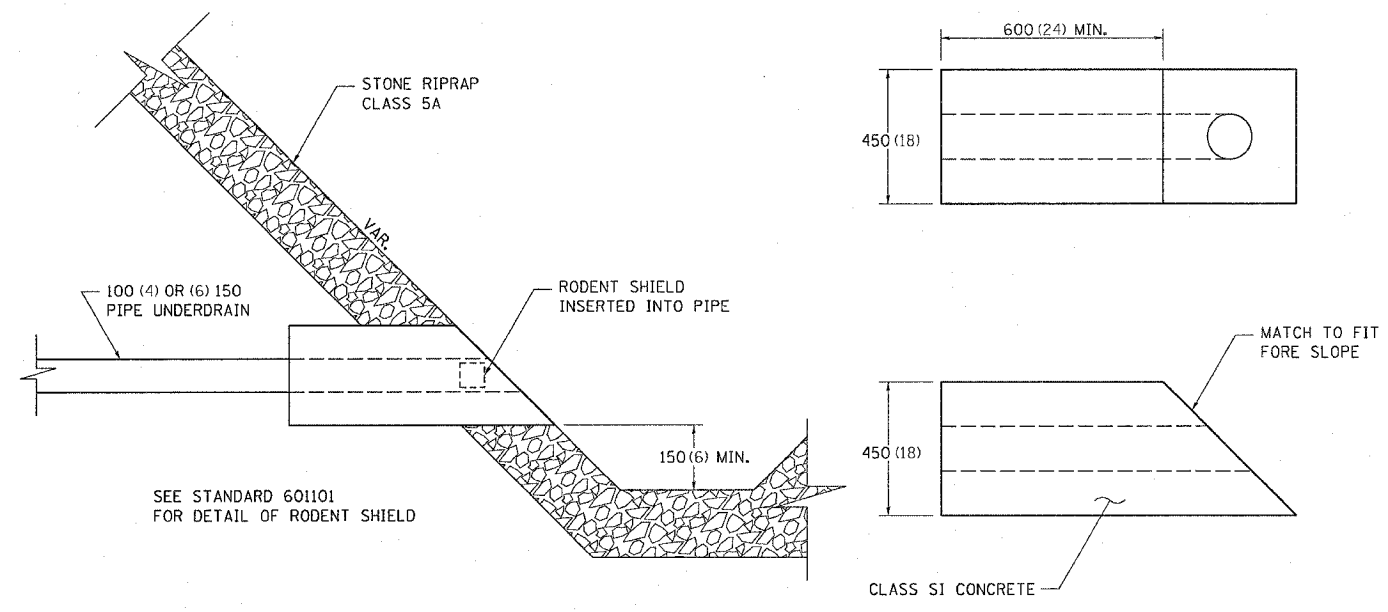
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973
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145
140
972
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

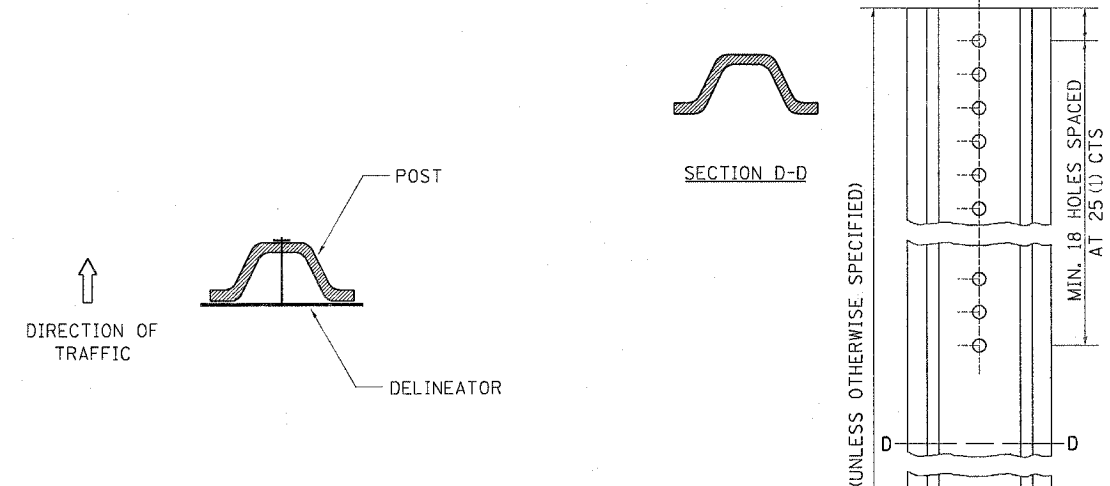
CONCRETE HEADWALLS FOR PIPE DRAINS



CONCRETE HEADWALLS FOR PIPE DRAINS 27.4

REVISED 10-15-04

DELINEATOR AND POST ORIENTATION



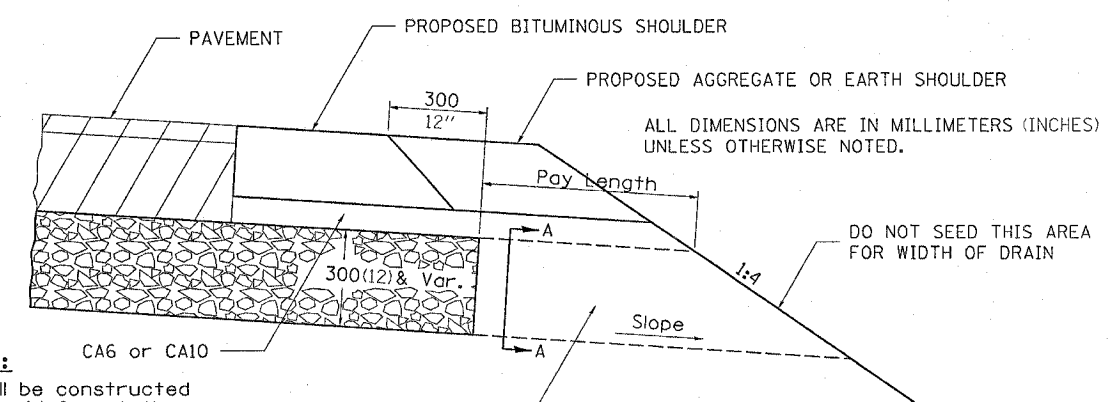
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

DELINEATOR AND POST ORIENTATION 37.4

REVISED 1-31-00

DRAIN FOR AGGREGATE BASE COURSE

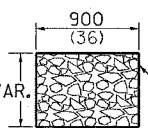


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per m² (SQ. YD.) for DRAIN FOR AGGREGATE BASE COURSE. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in m² (SQ. YD.), the width being 900 (36) by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per m² (SQ. YD.) for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified. The filter fabric to be used shall conform to the filter fabric used for Riprap.

ROCK OUTLET AT ALL LOW POINTS TO BE 900 (36) WIDE AND EXTEND TO FORESLOPE

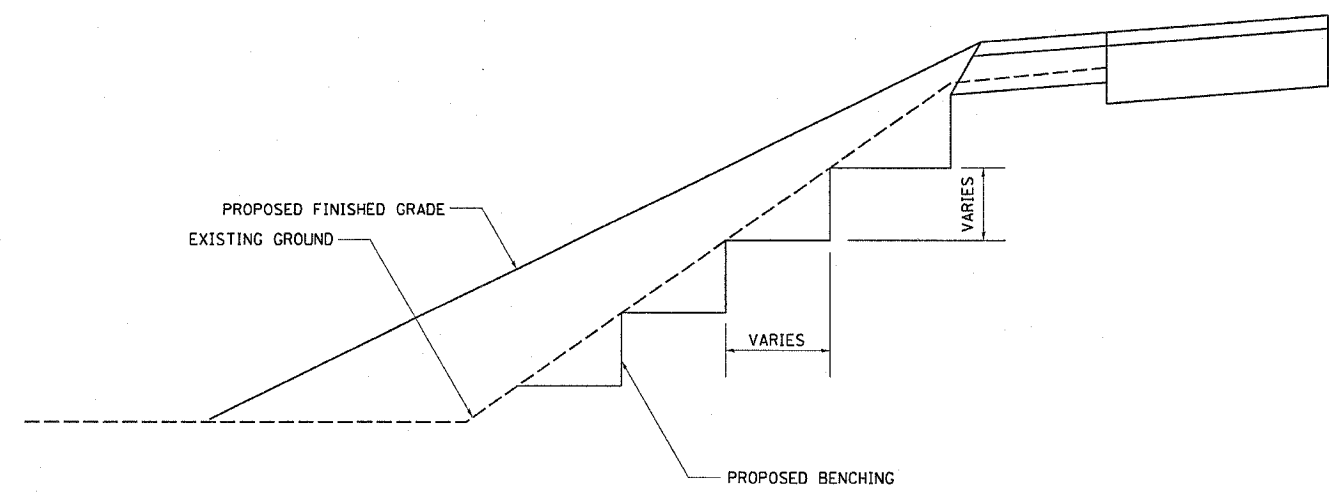


NOTE: Slope same as shoulder with 2% min.

DRAIN FOR AGGREGATE BASE COURSE 96.4

REVISED 6-5-06

TYPICAL BENCHING ON EXISTING EMBANKMENT



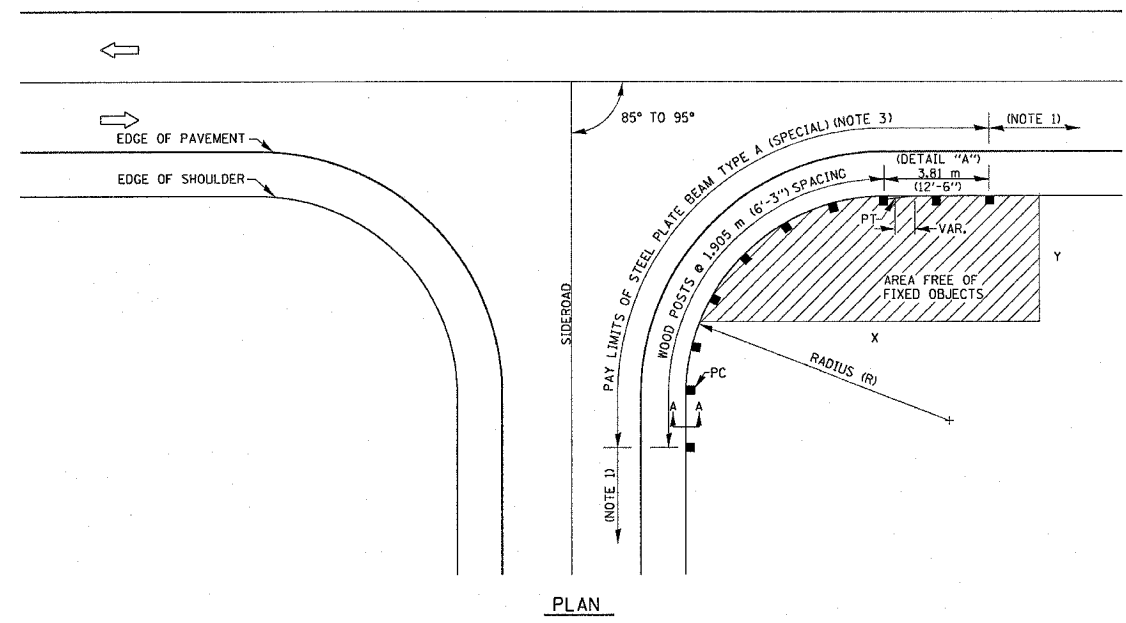
TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

REVISED 2-22-06

PLT DATE = 04/06
FILE NAME = Z09R03SPL
PLT SCALE = NONE
REFERENCE = NONE

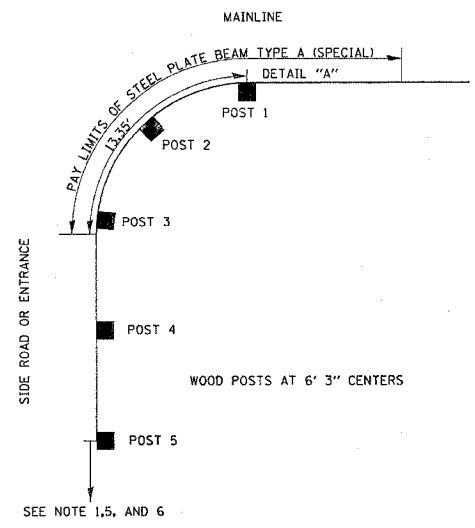
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	33
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)



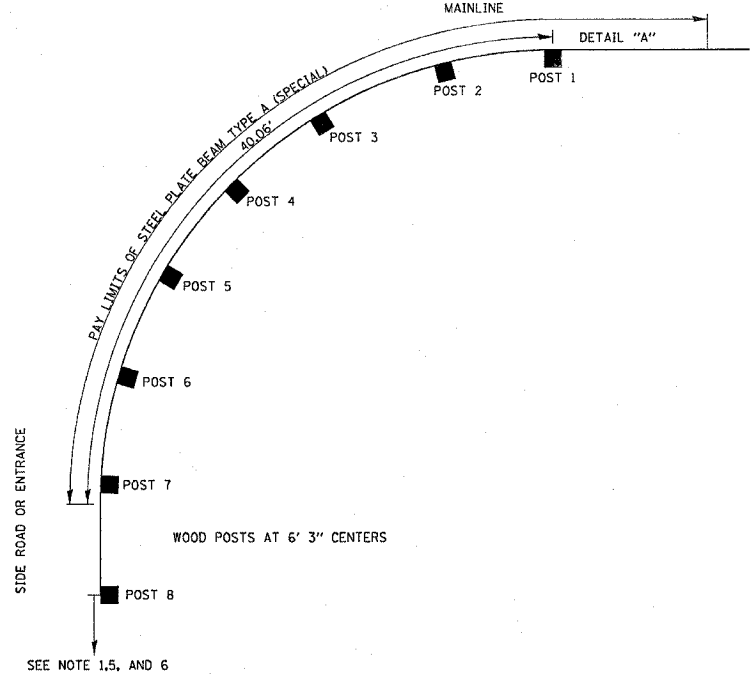
PLAN

POST DETAIL FOR 8' 6" RADIUS

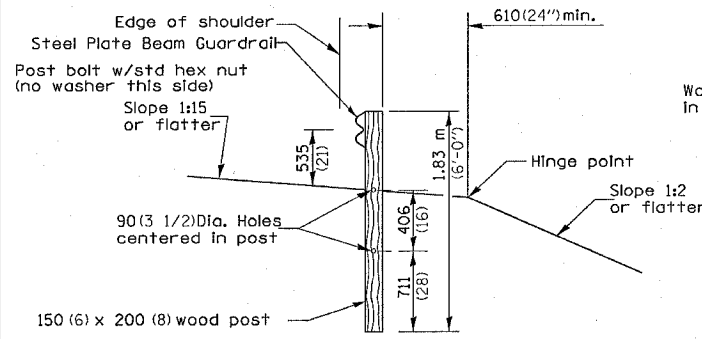


SEE NOTE 1.5, AND 6

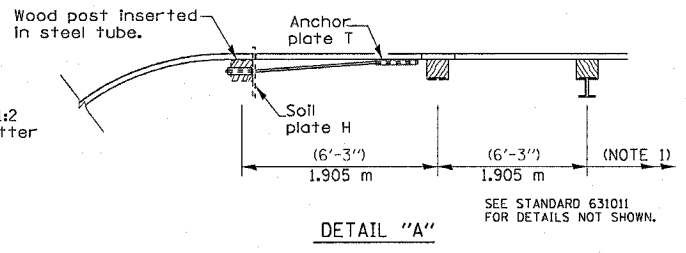
POST DETAIL FOR 25' 6" RADIUS



SEE NOTE 1.5, AND 6



SECTION A-A



DETAIL "A"

SEE STANDARD 631011 FOR DETAILS NOT SHOWN.

NOTES:

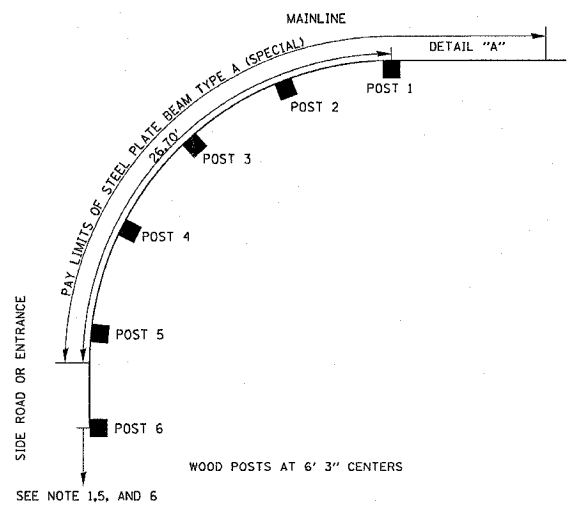
1. STEEL PLATE BEAM GUARDRAIL TYPE A, TYPE B, OR TRAFFIC BARRIER TERMINAL AS SPECIFIED.
2. FOR THE 2.59 m (8'-6") RADIUS, THE RAIL IS NOT BOLTED TO THE POST LOCATED AT THE MIDPOINT OF THE CURVE.
3. STEEL PLATE BEAM GUARDRAIL TYPE A (SPECIAL) MEASURED FOR PAYMENT IN METERS (FEET). THE LENGTH MEASURED WILL BE THE OVERALL LENGTH OF THE SINGLE RAIL ERECTED MEASURED ALONG THE TOP EDGE OF THE RAIL ELEMENTS TO THE LIMITS SHOWN ON THE PLANS.
4. BLOCK OUTS SHALL NOT BE USED WITHIN LIMITS OF THIS PAY ITEM.
5. SIDE ROAD GUARDRAIL MUST END WITH TRAFFIC BARRIER TERMINAL, ON PE, CE, FE USE TRAFFIC BARRIER TERMINAL TYPE 2.
6. ALL GUARDRAIL ON PE, CE, AND FE MUST BE WITHIN THE ROW.

GENERAL NOTES

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

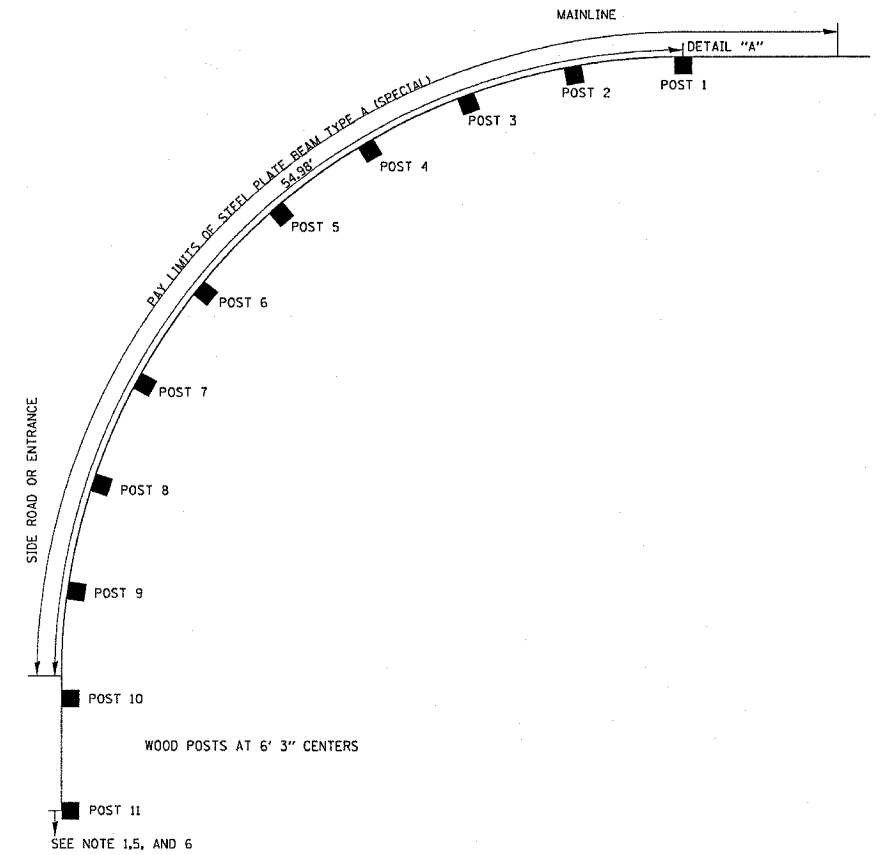
R	NO. OF WOOD POSTS	X	Y
2.59 (8'-6")	5 (NOTE 2)	7.6 m (25')	4.6 (15')
5.18 (17'-0")	6	9.1 m (30')	4.6 (15')
7.77 (25'-6")	8	12.2 m (40')	6.1 (20')
10.67 (35'-0")	11	15.2 m (50')	6.1 (20')

POST DETAIL FOR 17' 0" RADIUS



SEE NOTE 1.5, AND 6

POST DETAIL FOR 35' 0" RADIUS

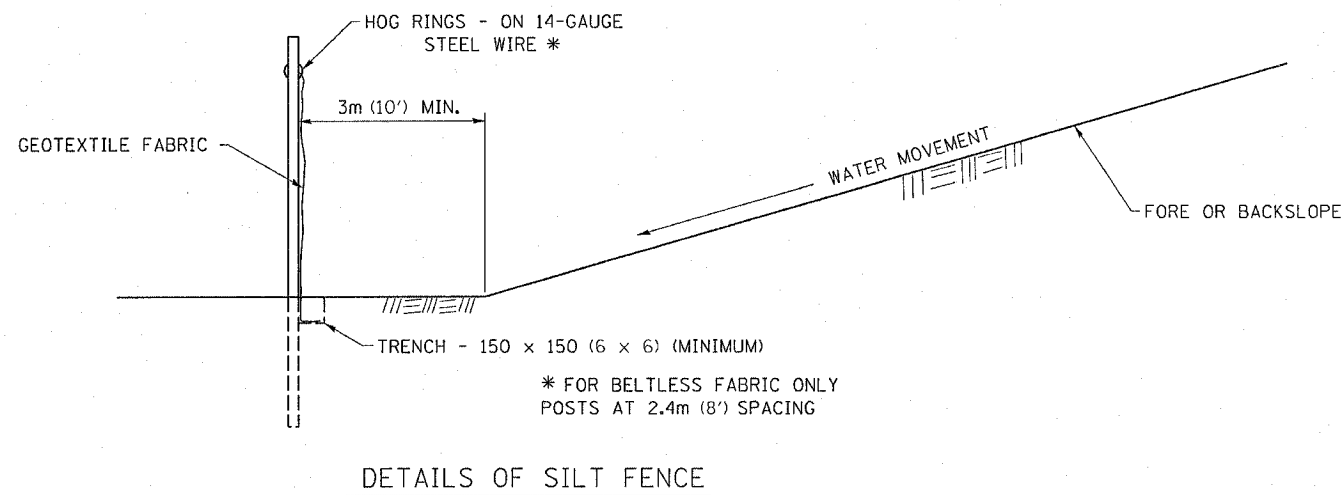
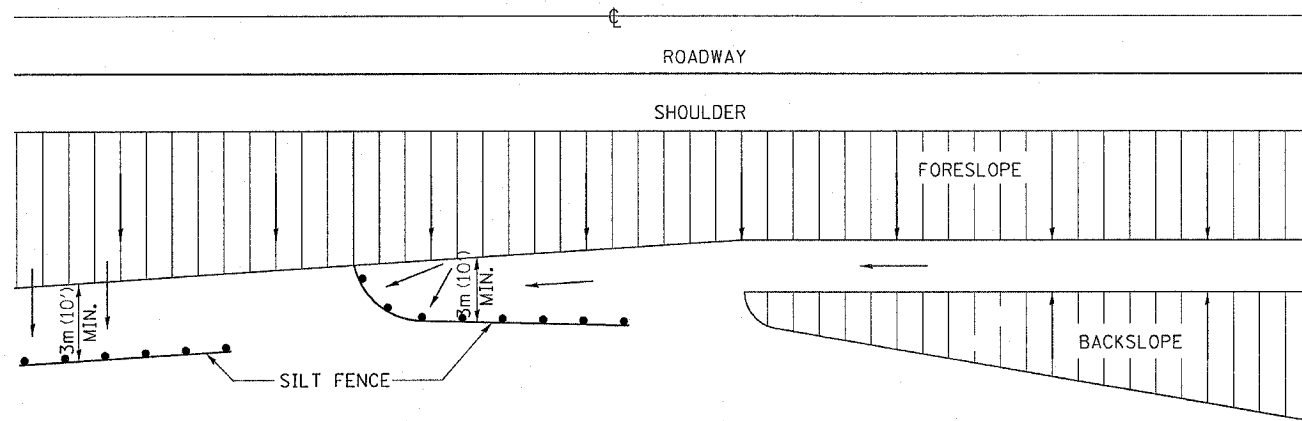


SEE NOTE 1.5, AND 6

PLOT DATE = Mon Aug 14 08:25:48 2006
FILE NAME = s:\projects\2003\11BR\11BR1.dgn
PLOT SCALE = 30.0000 / IN.
REFERENCE = 11BR

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL DETAILS FOR SILT FENCE



DETAILS OF SILT FENCE

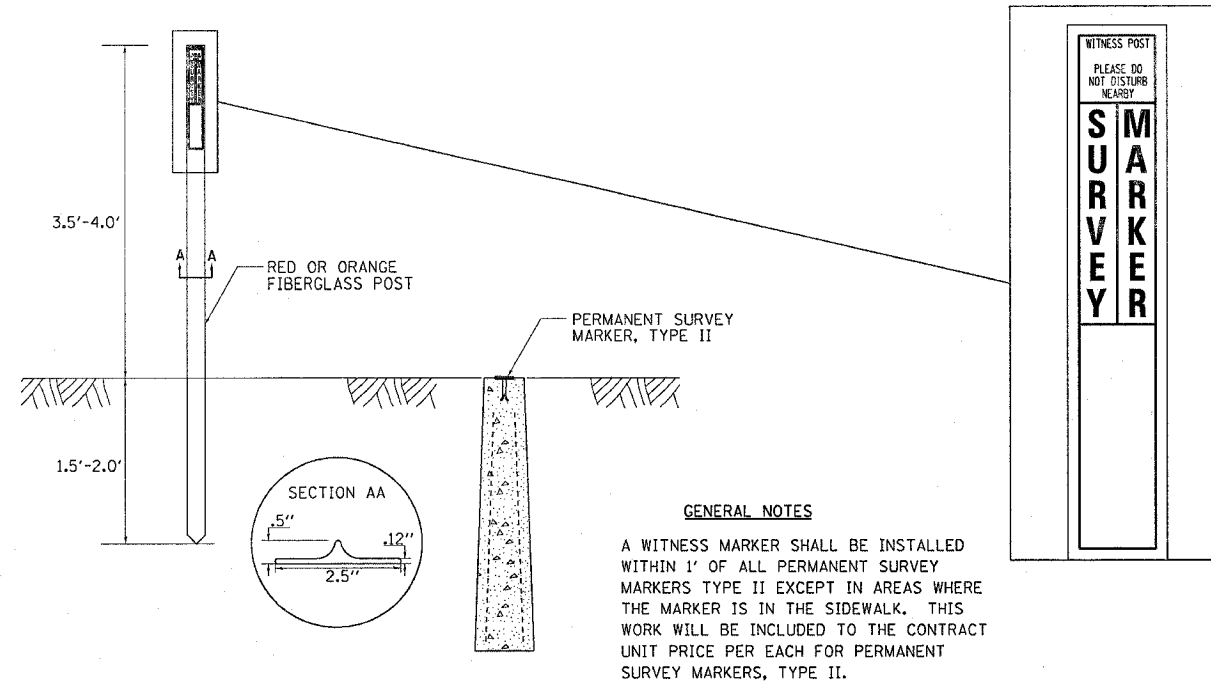
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

EROSION CONTROL DETAILS FOR SILT FENCE 29.2

REVISED 10-22-01

PLOT DATE = 04/05
FILE NAME = 2909035PL
PLOT SCALE = NONE
REFERENCE = NONE

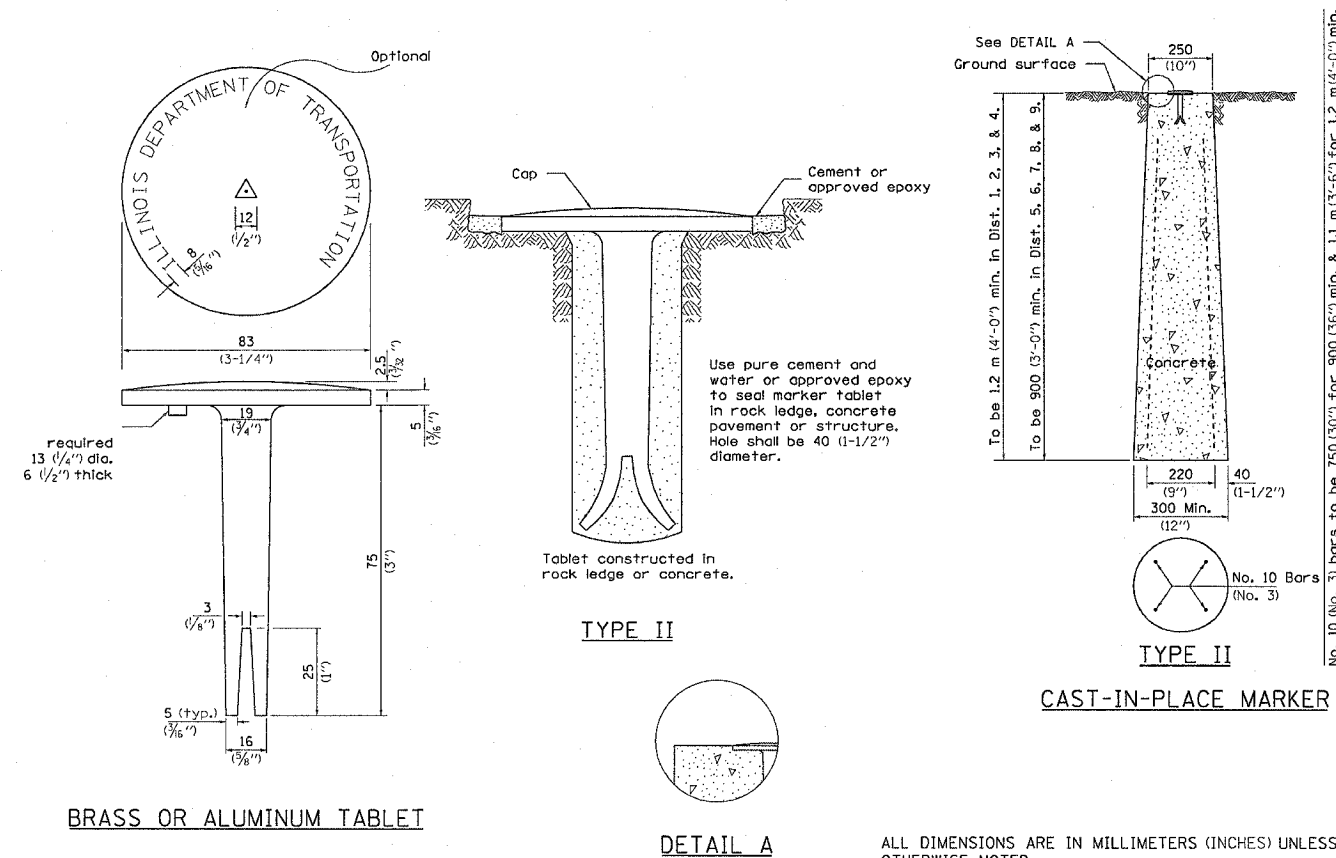
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

PERMANENT SURVEY MARKERS, TYPE II



TYPE II

TYPE II

CAST-IN-PLACE MARKER

BRASS OR ALUMINUM TABLET

DETAIL A

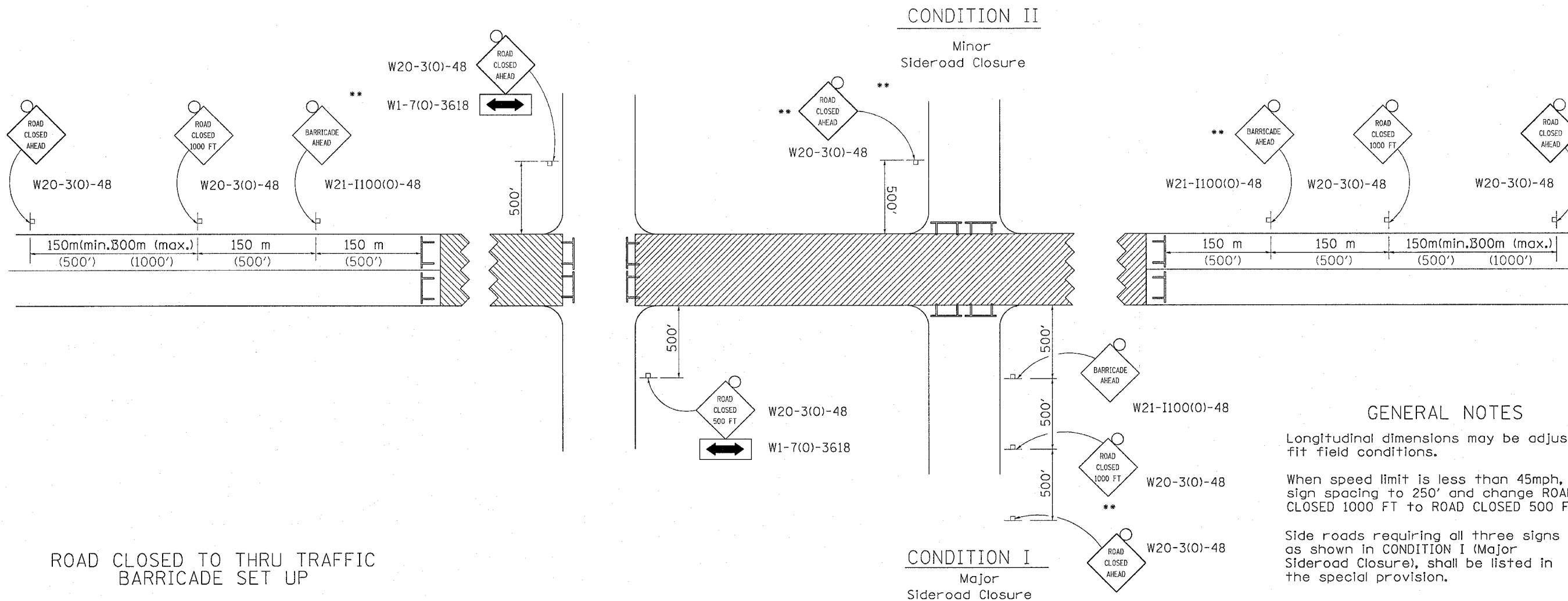
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

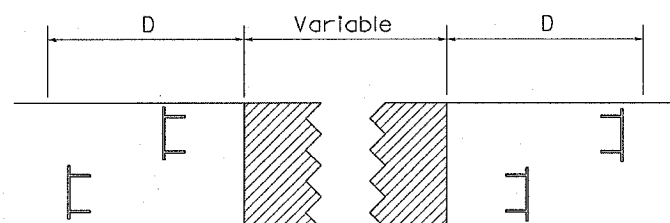
REVISED 6-26-06

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TRAFFIC CONTROL FOR ROAD CLOSURE

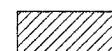




ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 702001. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic.

Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 702001.

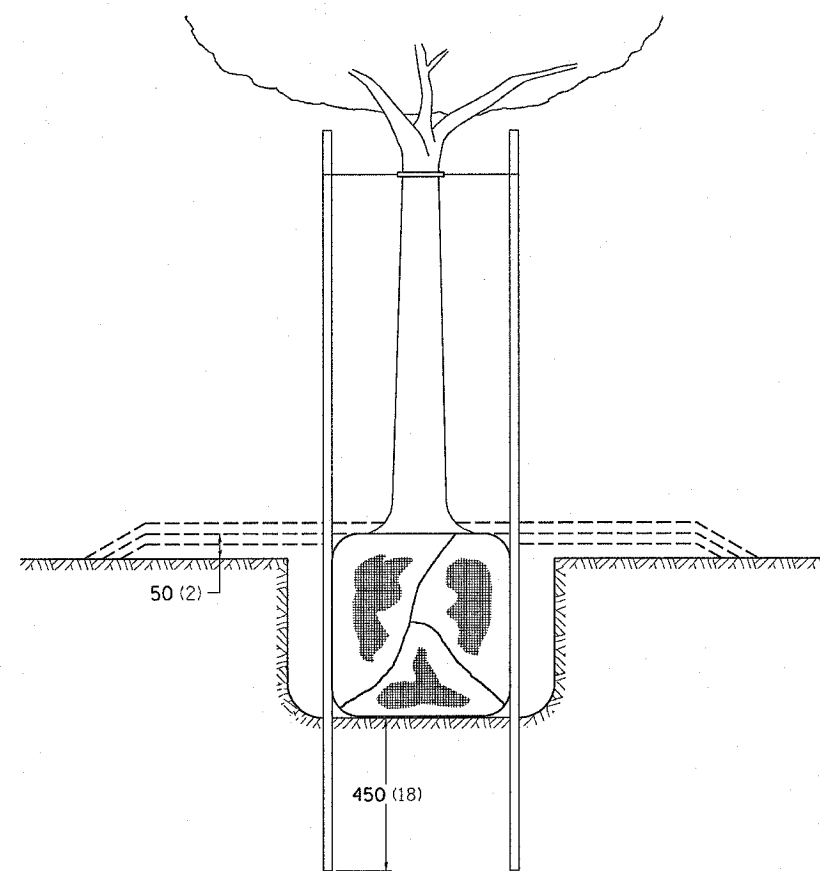
All dimensions are in millimeters (inches) unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

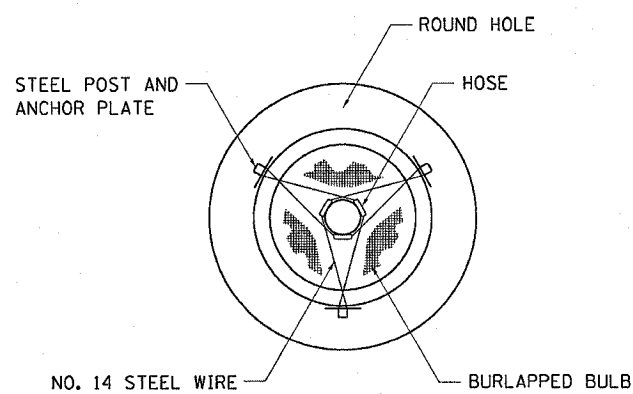
PLOT DATE = 04/05
 PLOT SCALE = NONE
 REFERENCE = NONE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	36
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF PLANTING AND BRACING TREES

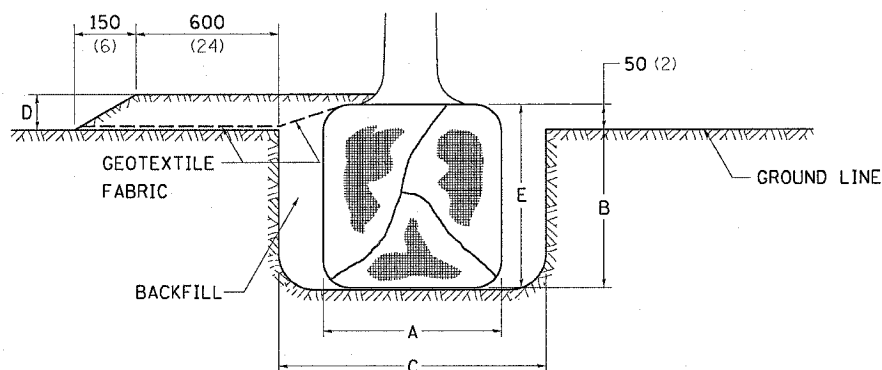


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

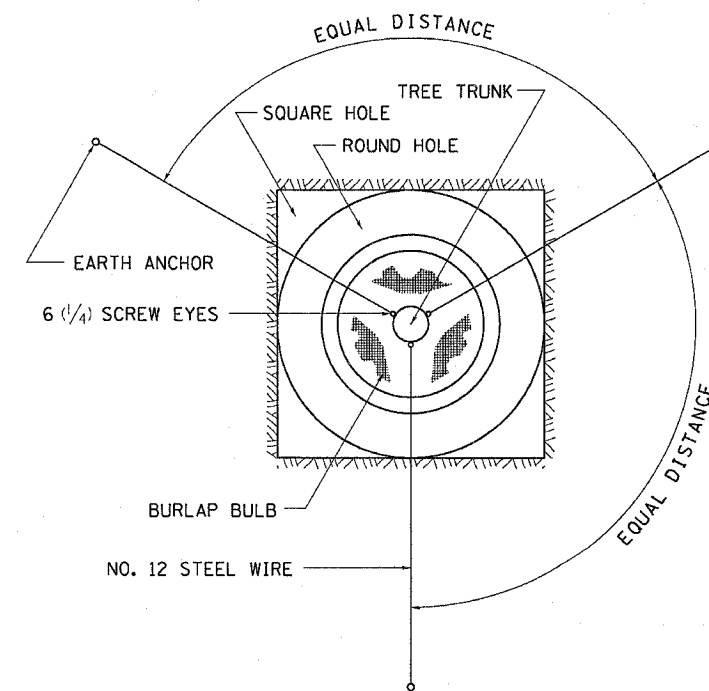


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (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)

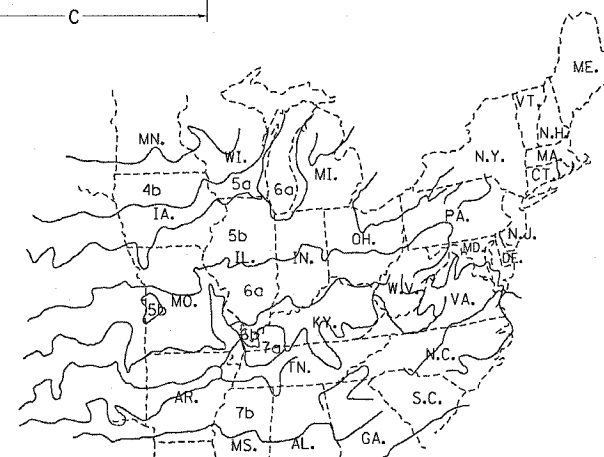
LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	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)



TREES OVER 115 (4 1/2) IN DIAMETER



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



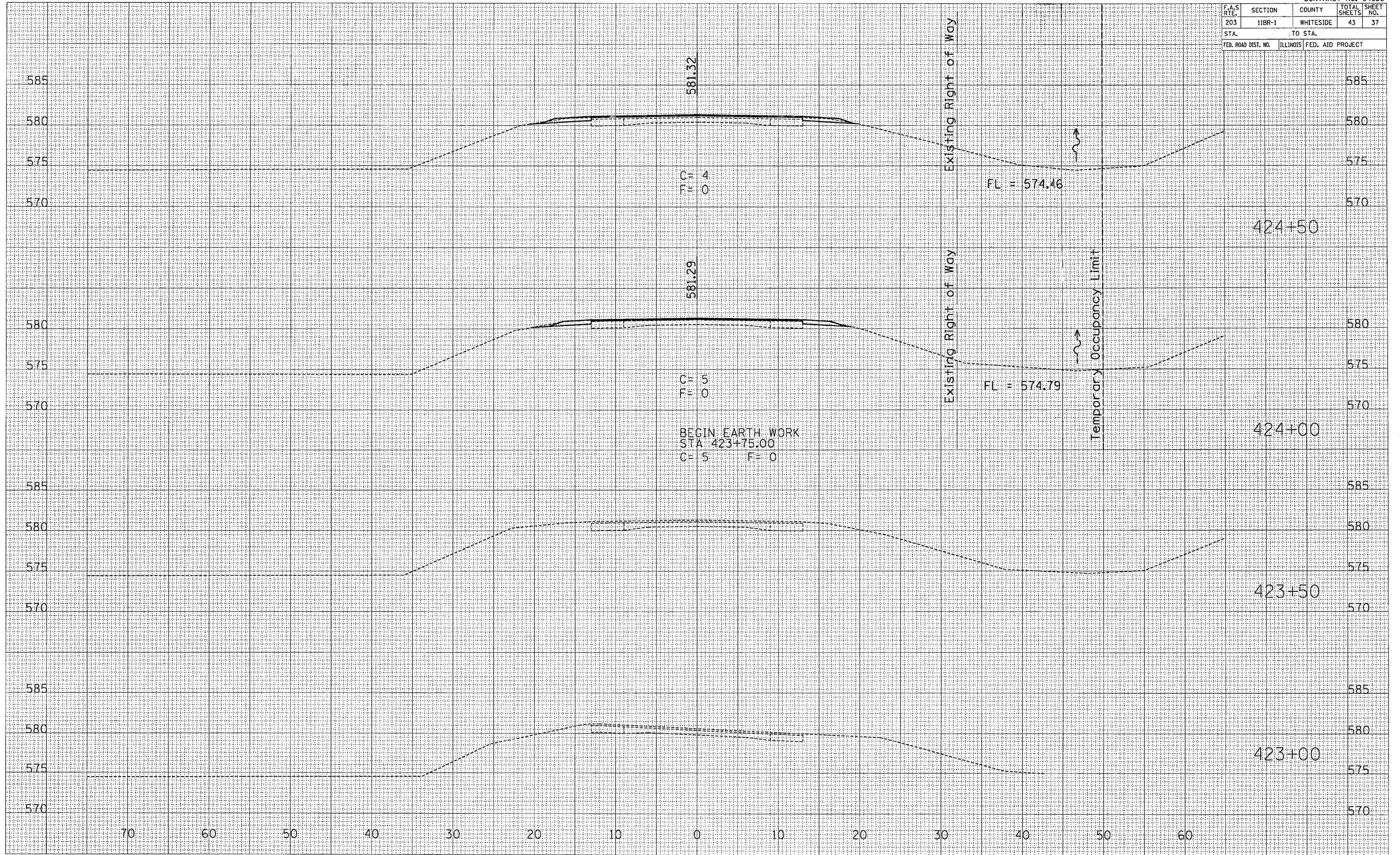
PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814

PLOT DATE # Mon Aug 14 08:24:48 2006
FILE NAME # c:\p\proj\64939\11br\11br36.dgn
PLOT SCALE # 1:1000
REFERENCE # 11BR36

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	37
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY
7/04	CHARLIE
5/04	AKR
2/05	KVP
3/06	MOE

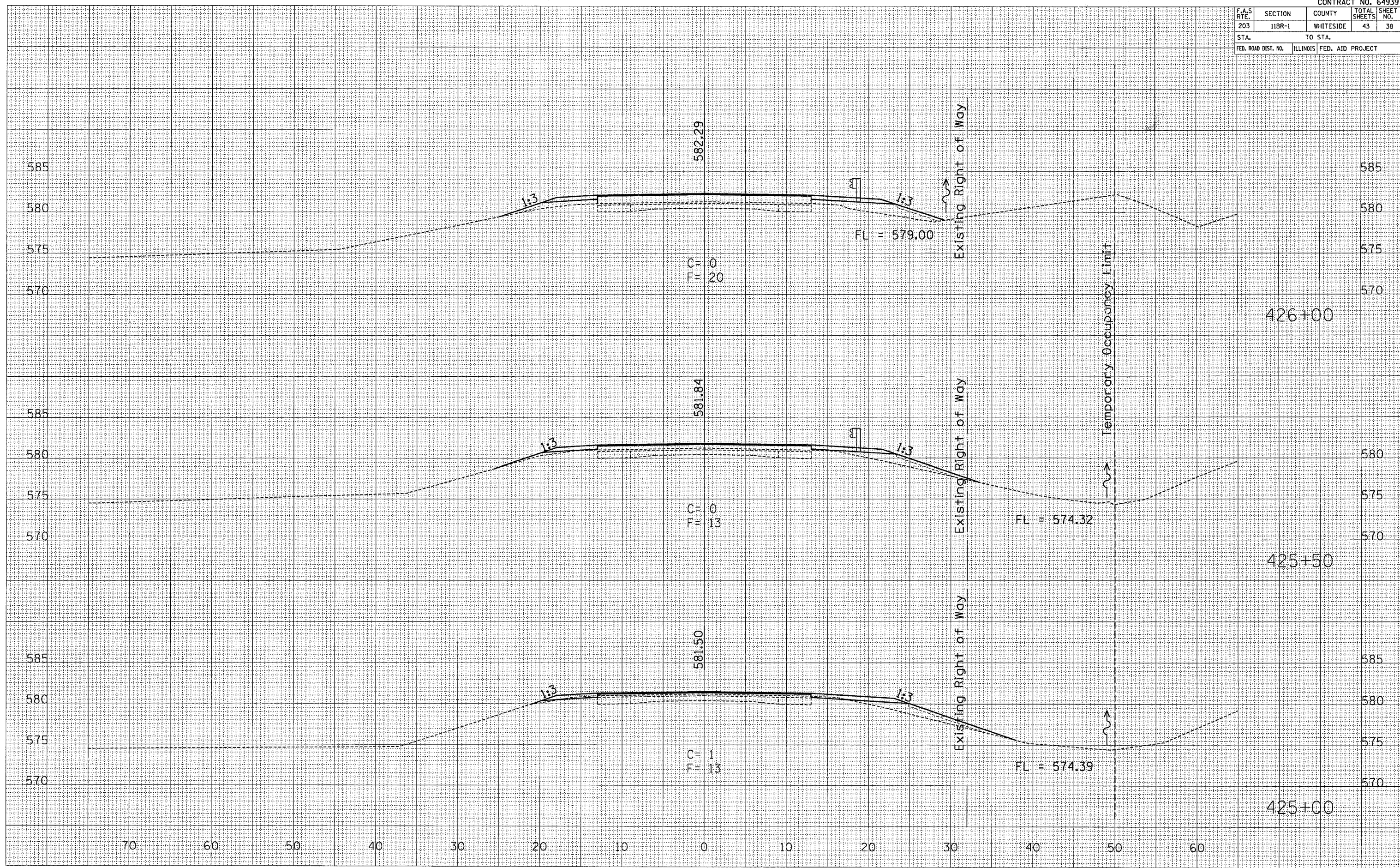
DATE	BY



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
2/04	...
3/04	...
3/05	...
3/05	...
3/05	...

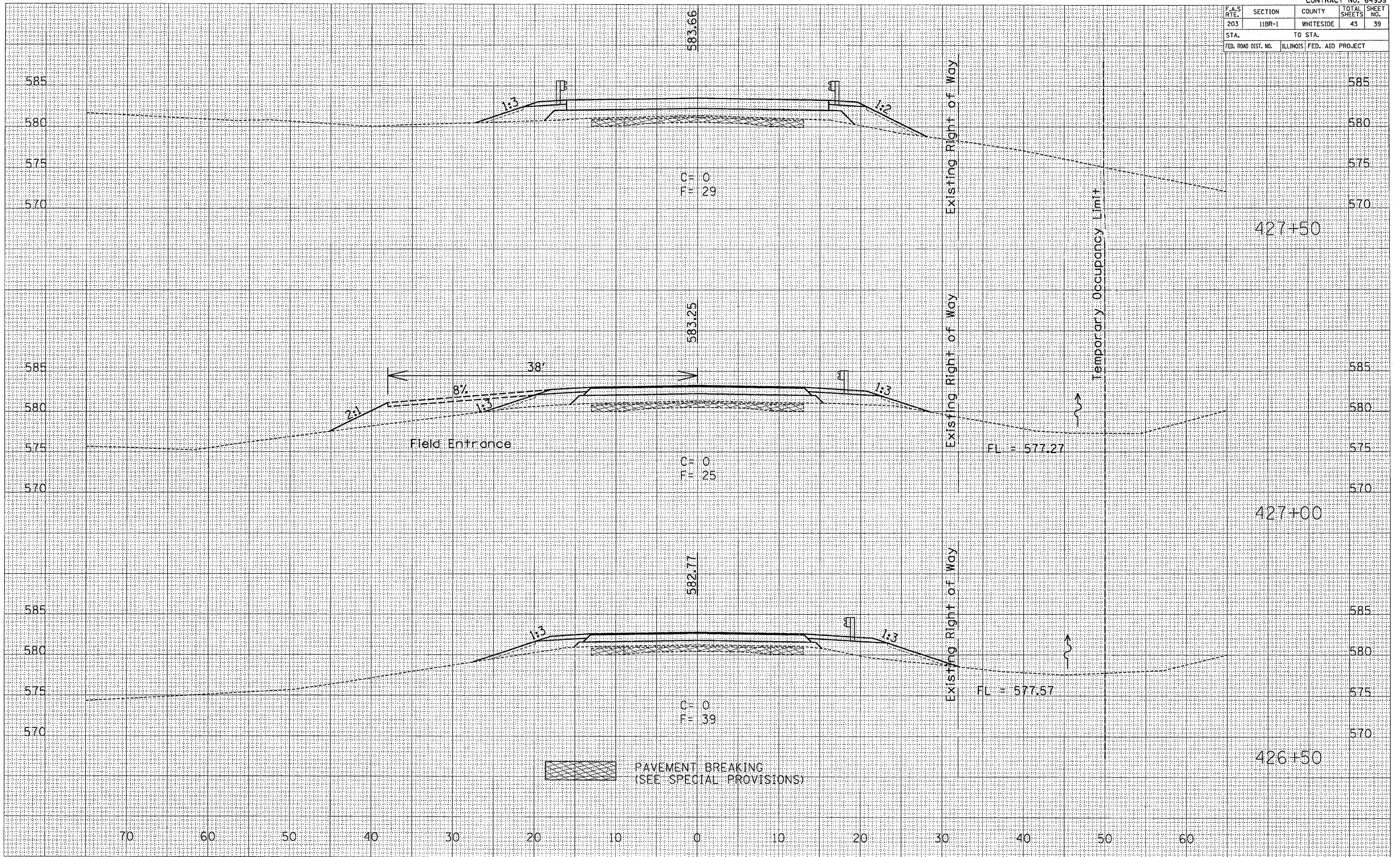
DATE	BY



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	118R-1	WHITESIDE	43	39
STA. TO STA.				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

DATE	BY	DATE	BY
1/24	CHAMIN	1/24	CHAMIN
2/10	LAB	2/10	LAB
2/10	MP	2/10	MP
2/10	MP	2/10	MP

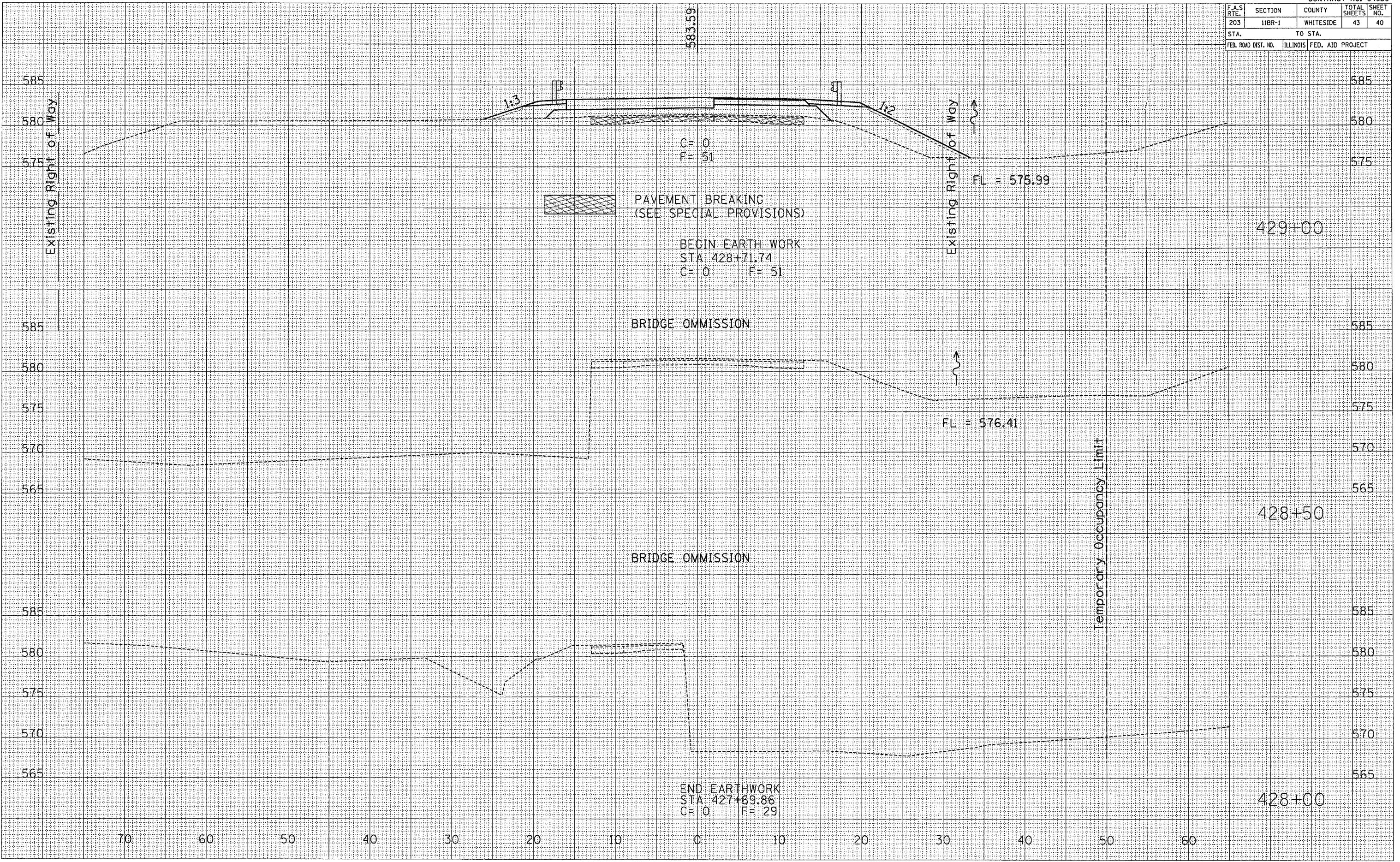
DATE	BY	DATE	BY



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	40
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	DATE	BY
7/24	CHAMLIN	7/24	CHAMLIN
8/14	WIP	8/14	WIP
3/08	KFP	3/08	KFP
3/08	WCE	3/08	WCE

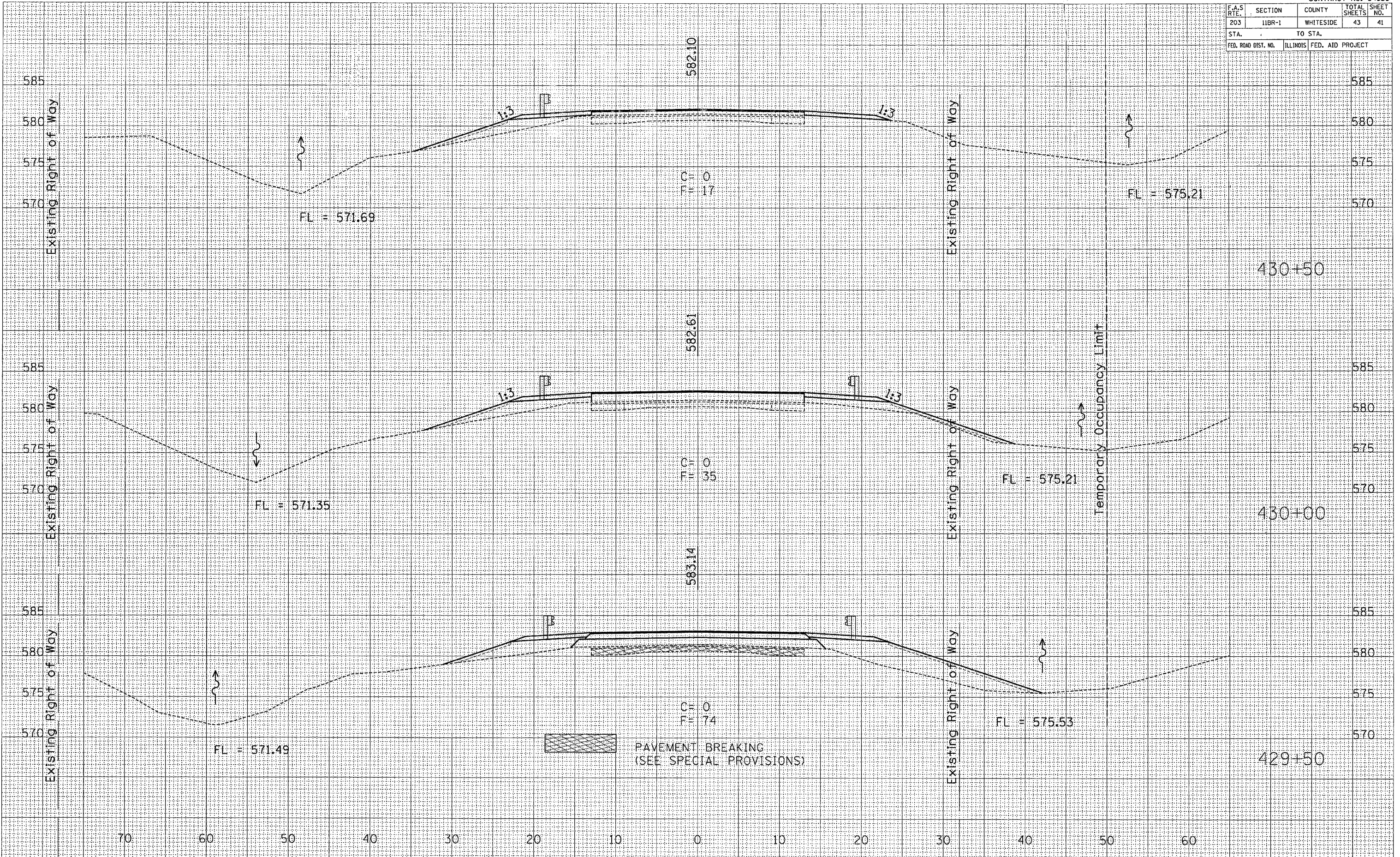
DATE	BY	DATE	BY



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	LIBR-1	WHITESIDE	43	41
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	REVISION
7/04	CHAMIN	FINAL SURVEY
3/04	LAB	PLOTTED
3/04	KIP	NOTE BOOK
3/06	WIE	AREAS CHECKED
3/06		

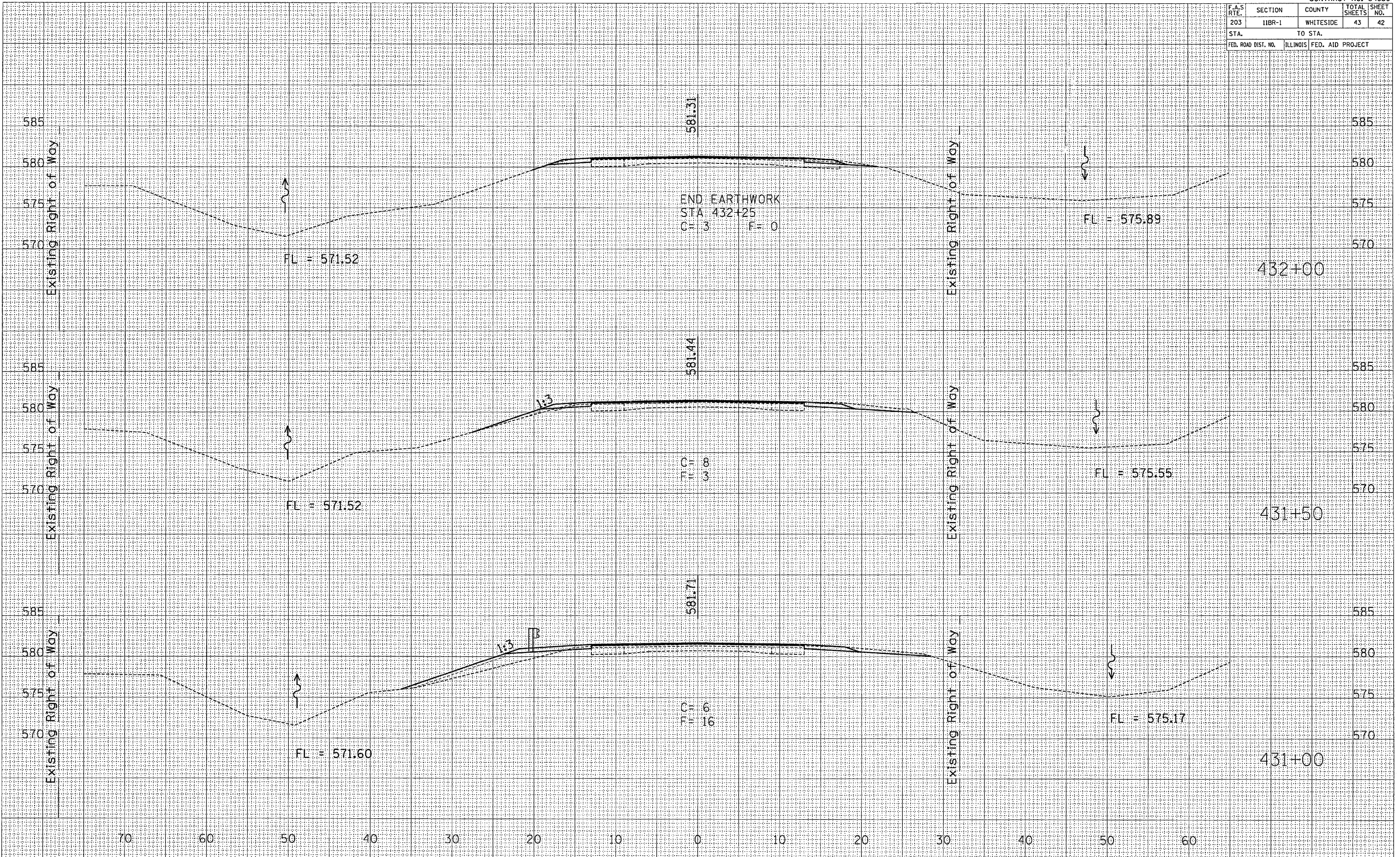
DATE	BY	REVISION



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY
7/04	CHAMLIN
5/04	MARK
3/04	KIP
NO.	AREAS CHECKED

DATE	BY
NO.	AREAS CHECKED



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
203	11BR-1	WHITESIDE	43	43
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY	DATE
1/24	CHAMIN	1/24
2/14	ASB	2/14
2/14	KFP	2/14
2/16	MOE	2/16

DATE	BY	DATE

