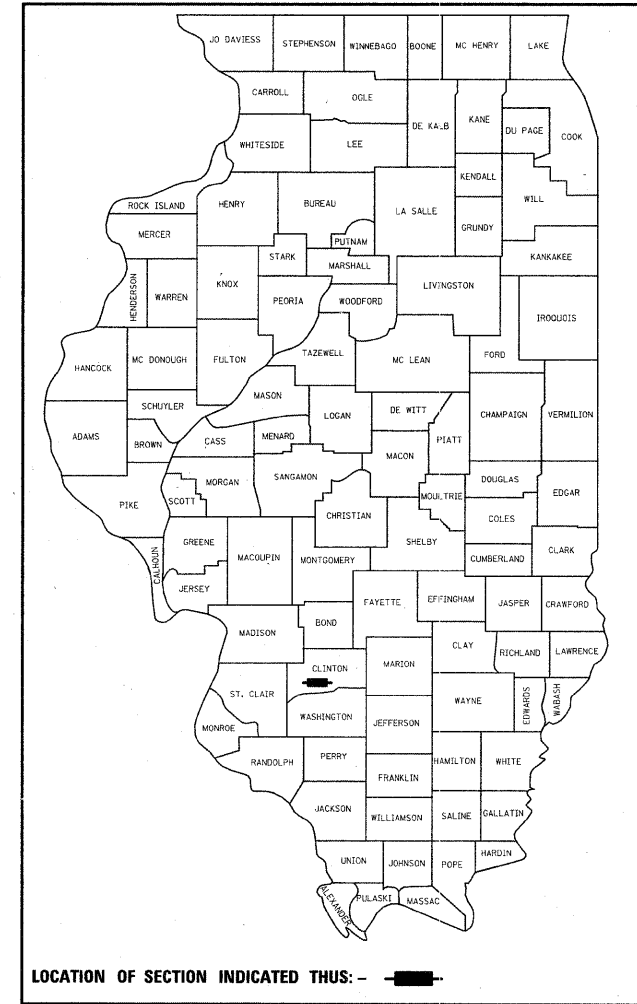


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76976		

* 85-1-84

D-98-005-06



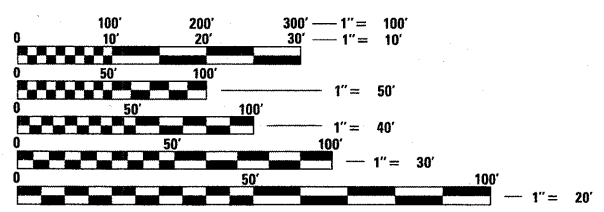
LOCATION OF SECTION INDICATED THUS: - [rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 805 (IL 161)
SECTION 126-BR-1
PROJECT NO: *BRF-0805(070)*
STRUCTURE REPLACEMENT
OVER SUGAR CREEK
CLINTON COUNTY
C-98-002-06

FOR INDEX OF SHEETS, SEE SHEET NO. 2

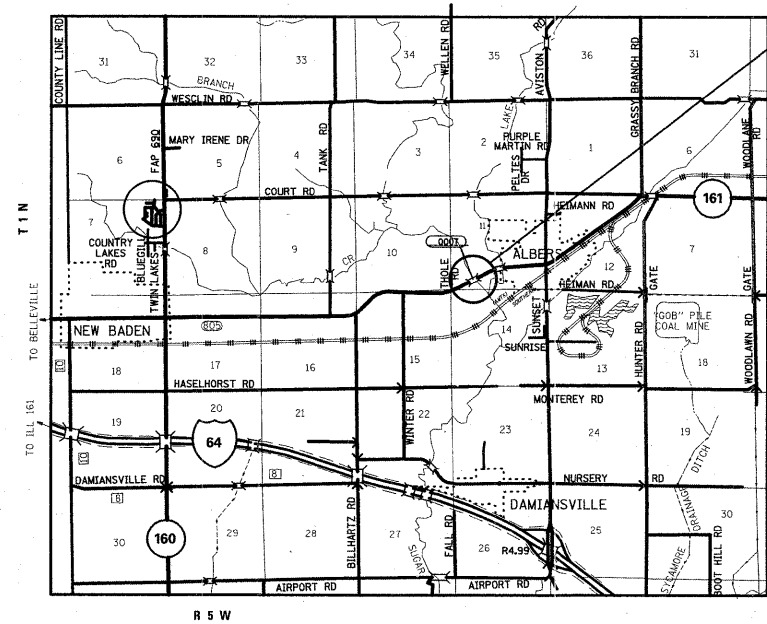


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

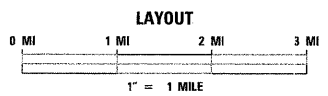
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
PROJECT MANAGER: ART MUEHLFELD (618) 346-3209

CONTRACT NO. 76976



TRAFFIC DATA
ADT: 5800 (2009)
8300 (2029)
SU: 4.2%
MU: 3.2%



5-SPAN PPC DECK BEAM
TO BE REPLACED WITH A
5-SPAN I-BEAM STRUCTURE
OVER SUGAR CREEK
SN 014-0007 (E)
SN 014-0078 (P)
STA 1119+05.00
353'-0" BK TO BK OF ABUTMENTS

RESURFACING:
BEGIN STA 1112+75.00
END STA 1124+75.00

GROSS LENGTH = 787 FT = 0.149 MI
NET LENGTH = 787 FT = 0.149 MI

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Dec 11* 20 *08*

Ma Cami
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 30, 20 09
Charles G. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

January 30, 20 09
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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6. - 7.	SCHEDULE OF QUANTITIES
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*26 NOT USED

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420401-07	BRIDGE APPROACH PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
630001-08	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-04	TRAFFIC CONTROL BARRIER TERMINAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT OF WAY MARKERS
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600m (24'') FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-10	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
704001-05	TEMPORARY CONCRETE BARRIER
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

60101-01

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. THE THICKNESS OF THE HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

4. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING J.U.L.I.E. AND BY NOTIFYING NON-J.U.L.I.E. MEMBERS INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- * VILLAGE OF ALBERS
- * AMERENIP
- * CHARTER COMMUNICATIONS, INC.
- * CLINTON COUNTY ELECTRIC COOPERATIVE
- * MCLEOD USA TELECOMMUNICATIONS, INC.
- * AT&T ILLINOIS
- * VERIZON NORTH, INC.

MEMBERS OF J.U.L.I.E (800) 892-0123 ARE INDICATED BY *. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING, FERTILIZING, AND MULCHING ANY AREAS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION. THIS WORK WILL NOT BE MEASURED FOR PAYMENT. THE SEEDING SHALL BE CLASS 2. THE APPLICATION OF THE SEEDING, FERTILIZER, AND MULCH SHALL BE TO THE SATISFACTION OF THE ENGINEER. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.
6. A QUANTITY OF 1888 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
7. IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

8. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE 48" X 48".

9. NO TRENCHES OR OPEN PITS WILL BE PERMITTED ADJACENT TO A TRAFFIC LANE DURING NON-WORKING HOURS. ALL WIDENING TRENCHES SHALL BE BACKFILLED DURING THE SAME WORKING DAY IT WAS EXCAVATED.

11. THE COST OF GRADING AND SHAPING ALONG THE PROPOSED BASE COURSE SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION".

12. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.

13. RIGHT-OF-WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE (12") INCHES INSIDE THE RIGHT OF WAY BOUNDARY. RIGHT OF WAY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RIGHT OF MARKERS.

14. THE REMOVAL OF THE BRIDGE APPROACH PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT REMOVAL.

COMMITMENTS

NONE

FILE NAME =	USER NAME = gelnh	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS /HIGHWAY STANDARDS GENERAL NOTES /COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\p\dot\gelnh\dms51845\pln00326a.dgn	DRAWN - HG	REVISED - ---	805			126-BR-1	CLINTON	85	2	
PLOT SCALE = 50.0000' / IN.	CHECKED - ---	REVISED - ---	CONTRACT NO. 76976							
PLOT DATE = 12/9/2008	DATE - -----	REVISED - ---	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							
					SCALE: -----	SHEET NO. ___ OF ___ SHEETS		STA.	TO STA.	

Rev.

SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		ROADWAY I000-2A	STRUCTURE X071-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	122	122	
20200100	EARTH EXCAVATION	CU YD	225	225	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	80	80	
20300100	CHANNEL EXCAVATION	CU YD	3440	3440	
20400800	FURNISHED EXCAVATION	CU YD	625	625	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	127		127
25000200	SEEDING, CLASS 2	ACRE	1.75	1.75	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	136	136	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	136	136	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	136	136	
25100105	MULCH, METHOD 1	ACRE	4.75	4.75	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	275	275	
28000300	TEMPORARY DITCH CHECKS	EACH	5	5	
28000400	PERIMETER EROSION BARRIER	FOOT	1082	1082	
28000500	INLET AND PIPE PROTECTION	EACH	4	4	
28100109	STONE RIPRAP, CLASS A5	SQ YD	2821		2821
28200200	FILTER FABRIC	SQ YD	2821		2821
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	43	43	
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	268	268	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.7	0.7	
40600300	AGGREGATE (PRIME COAT)	TON	4	4	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	97	97	
40600990	TEMPORARY RAMP	SQ YD	27	27	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	255	255	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	174	174	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	17	17	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	25	25	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	31	31	
44000100	PAVEMENT REMOVAL	SQ YD	519	519	
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	945	945	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	31	31	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	468	468	
48203005	HOT-MIX ASPHALT SHOULDERS, 2"	SQ YD	184	184	
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	359	359	

SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		ROADWAY I000-2A	STRUCTURE X071-2A
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	185	185	
50200100	STRUCTURE EXCAVATION	CU YD	471		471
50300100	FLOOR DRAINS	EACH	26		26
50300225	CONCRETE STRUCTURES	CU YD	296.9		296.9
50300255	CONCRETE SUPERSTRUCTURE	CU YD	473.1		473.1
50300260	BRIDGE DECK GROOVING	SQ YD	1561		1561
50300280	CONCRETE ENCASEMENT	CU YD	21.8		21.8
50300300	PROTECTIVE COAT	SQ YD	1981		1981
50400105	PRECAST CONCRETE BRIDGE SLAB	SQ FT	2270		2270
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	12010		12010
50500505	STUD SHEAR CONNECTORS	EACH	6552		6552
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	154940		154940
50800515	BAR SPLICERS	EACH	1406		1406
51201610	FURNISHING STEEL PILES HP12X63	FOOT	775		775
51201900	FURNISHING STEEL PILES HP14X89	FOOT	2268		2268
51202305	DRIVING PILES	FOOT	3043		3043
51203610	TEST PILE STEEL HP12X63	EACH	2		2
51203900	TEST PILE STEEL HP14X89	EACH	4		4
51205200	TEMPORARY SHEET PILING	SQ FT	3403		3403
51500100	NAME PLATES	EACH	1		1
52100520	ANCHOR BOLTS, 1"	EACH	72		72
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	1	1	
54213450	END SECTIONS 15"	EACH	7	7	
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	190	190	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	68		68
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	152		152
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	225	225	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	650	650	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	22	22	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9	

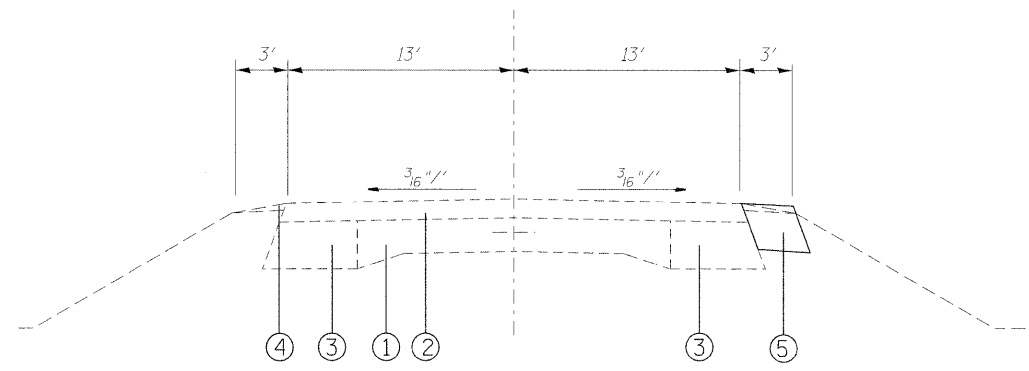
*SPECIALTY ITEMS

FILE NAME =	USER NAME = gelinh	DESIGNED - HG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwwd\gelinh\dms51845\p1n00326a.dgn		DRAWN - HG	REVISED -			805	126-BR-1	CLINTON	85	3	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76976					
PLOT DATE = 12/9/2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			801.FED. 201.STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		ROADWAY	STRUCTURE
				I000-2A	X071-2A
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIP	EACH	6	6	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1248	1248	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3510	3510	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1888	1888	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2530	2530	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1012.5	1012.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	875	875	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	10	10	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	24	24	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2581	2581	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	930	930	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	14	14	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	5		5
* 78200200	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	10		10
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1170	1170	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16	16	
X0321781	MECHANICAL SPLICE	EACH	180		180
X0323830	DRAINAGE SCUPPERS, DS-11	EACH	2		2
X0325213	COMPOSITE BRIDGE APPROACH PAVEMENT	SQ YD	249	249	
X0325445	RIGHT-OF-WAY AND PROPERTY CORNERS	EACH	4	4	
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1		1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1		1
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	253		253
X7200200	WIDE LOAD SIGNING	L SUM	1	1	

SUMMARY OF QUANTITIES			801.FED. 201.STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		ROADWAY	STRUCTURE
				I000-2A	X071-2A
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1	
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
X0326288	PRECAST CONCRETE BOX CULVERT 2' X 1.5'	FOOT	12	12	
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	140	140	

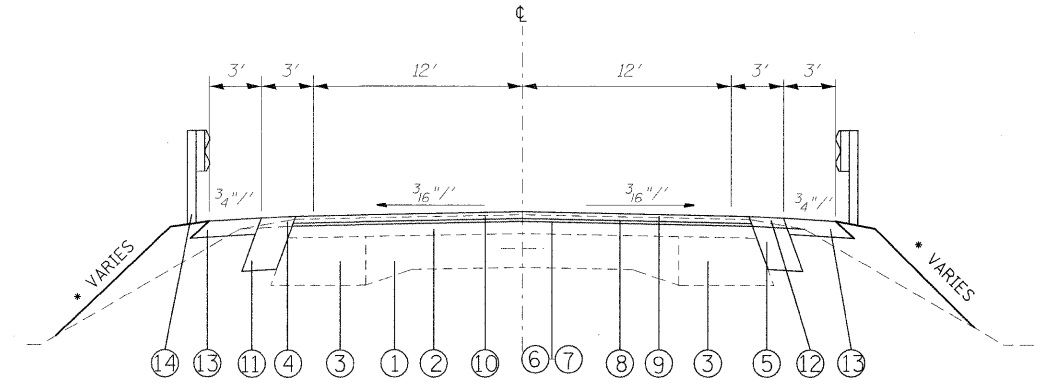
* SPECIALTY ITEMS



PROPOSED TYPICAL SECTION

STA. 1115+00.00 TO STA. 1117+81.50 - RT
 **STA. 1117+81.50 TO STA. 1120+28.90
 STA. 1120+28.90 TO STA. 1125+50.00 - RT

* SEE CROSS SECTION
 ** BRIDGE OMITION



PROPOSED TYPICAL SECTION

STA. 1112+75.00 TO STA. 1116+98.50
 **STA. 1116+98.50 TO STA. 1121+11.50
 STA. 1121+11.50 TO STA. 1124+75.00

LEGEND

- ① EXISTING P.C.C. PAVEMENT 9-6-9
- ② EXISTING BITUMINOUS OVERLAY 6" (±)
- ③ EXISTING BASE COURSE WIDENING 8"
- ④ EXISTING AGGREGATE SHOULDERS
- ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ PROPOSED AGGREGATE (PRIME COAT)
- ⑧ PROPOSED LEVELING BINDER (VARIES 3/4" TO 2 1/2")
- ⑨ PROPOSED HOT-MIX ASPHALT BINDER COURSE (VARIES 2 1/2" TO 9 1/2")
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑪ PROPOSED HOT-MIX ASPHALT SHOULDER, 9"
- ⑫ PROPOSED HOT-MIX ASPHALT SHOULDER, 2"
- ⑬ PROPOSED AGGREGATE SHOULDER, TYPE B 6"
- ⑭ PROPOSED GUARDRAIL

MIXTURE REQUIREMENTS

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

TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%
 PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

RESURFACING SCHEDULE

STATION	RT/LT	HMA BASE COURSE WIDENING 9" (SQ YD)	AGG. PRIME COAT (TON)	BITUMINOUS MATERIAL PRIME COAT (TON)	PCC DRIVEWAY PVMT 6" (SQ YD)	INCIDENTAL HMA SURFACING (TON)	LEVELING BINDER (TON)	HMA BINDER CSE MIX "B" (TON)	HMA SURFACE CSE. MIX "D", N70 (TON)	HMA SHOULDERS 9" (SQ YD)	HMA SHOULDERS 2" (SQ YD)	AGGREGATE SHLD. TYPE B 6" (SQ YD)	AGGREGATE BSE TYPE A 8" (SQ YD)	BRIDGE APPR. PAVEMENT (SQ YD)	BRIDGE APPR. PAVEMENT CONNECTOR (FLEXIBLE) (SQ YD)
1112+75.00 TO 1116+35.42	RT/LT						43.60			139.17					
1112+75.00 TO 1116+92.50	LT														
1112+75.00 TO 1116+92.50	RT/LT		1.67	0.35					93.52			237.83			
1112+75.00 TO 1115+00.00	RT									75.00					
1113+09.75	PE					3.82									
1114+22.76	PE				30.08										
1114+77.66	PE					4.21									
1114+98.40	PE					8.71									
1115+00.00 TO 1117+81.50	RT	93.83													
1116+35.42 TO 1116+92.50	RT/LT							72.45							
1115+00.00 TO 1116+92.50	RT									64.17					
1116+98.50 TO 1117+28.50	RT/LT													120.00	24.33
1120+28.90 TO 1125+50.00	RT	173.70													
1120+81.50 TO 1121+11.50	RT/LT													120.00	24.33
1121+17.50 TO 1125+50.00	LT									144.17					
1121+17.50 TO 1124+75.00	RT/LT		1.43	0.30					80.08			229.60			
1121+17.50 TO 1124+75.00	RT										119.17				
1121+11.50 TO 1124+25.00	RT/LT							182.21							
1124+25.00 TO 1124+75.00	RT/LT						53.02								
1121+97.89	FE												42.32		
TOTAL		267.53	3.10	0.65	30.08	16.74	96.62	254.66	173.60	358.34	183.34	467.43	42.32	240.00	48.67

PAVEMENT MARKING SCHEDULE

STATION	RT/LT	PAVEMENT			BRIDGE			
		THERMOPLASTIC		RAISED REFL. PMT MARKER (EA)	POLYUREA		RAISED REFLECTIVE PAVEMENT MARKER (EA)	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR (EA)
		4" WHITE LINE (FT)	YELLOW SKIP DASH LINE 4" (FT)		4" WHITE LINE (FT)	YELLOW SKIP DASH LINE 4" (FT)		
1112+00.00 TO 1116+98.50	CL		124.63	6				
1112+00.00 TO 1116+98.50	RT/LT	997.00						
1116+98.50 TO 1121+11.50	CL				103.25	5		
1116+98.50 TO 1121+11.50	RT/LT				826.00		10	
1121+11.50 TO 1127+60.00	CL		162.1	8				
1121+11.50 TO 1127+60.00	RT/LT	1297.00						
SUB-TOTAL		2294.00	286.74		826.00	103.25		
TOTAL		2580.74		14	929.25	5	10	

PIPE & BOX CULVERTS SCHEDULE

FROM	OFFSET	TO	OFFSET	RT/LT	USFL	DSFL	PIPE CULVERT		BOX CULVERT	
							CLASS D, TYPE 1	END SECTIONS	2'X1.5'	END SECTIONS
							15 INCH (FT)	15 INCH (EA)	(FT)	(EA)
1112+91.78	28	1113+21.78	28	LT	427.64	427.56	30.0	2		
1114+08.20	28	1114+39.20	28	LT	427.07	426.57	31.0	2		
1114+61.80	28	1115+32.00	32.5	RT	426.29	425.66	72.0	2		
1114+78.00	28	1115+34.30	26.24	LT	425.74		57.0	1		
1115+35.00	25	1115+35.00	37	RT	421.70				12	1
							190.0	7	12	1

TEMPORARY PAVEMENT MARKING SCHEDULE

STATION	RT/LT	EDGE LINES	PAVEMENT MARKING		SHORT TERM PAVEMENT MARKING (SQ FT)	WORK ZONE PVMT MKG REMOVAL (SQ FT)	PAVEMENT MARKING REMOVAL (SQ FT)	RAISED REFL. PAVEMENT MARKER REMOVAL (EA)
			LINE 4" (FT)	LINE 6" (FT)				
1112+00.00 TO 1127+60.00	RT/LT	EDGE LINES			624.0	1040.0		
1115+30.00	RT	STOP BAR						
1115+87.50 TO 1121+50.00		TEMP. BARR.		562.5				
1122+50.00 TO 1125+62.15		TEMP. BARR.		312.5				
1127+60.00	LT	STOP BAR						
1112+00.00 TO 1127+60.00	RT/LT	EDGE LINES	3120.0				1040.0	16
1112+00.00 TO 1127+60.00	CL	SKIP DASH	390.0				130.0	
1112+00.00 TO 1127+60.00	RT/LT	EDGE LINES			624.0	1040.0		
1115+30.00		STOP BAR						
1115+62.50 TO 1125+00.00		TEMP. BARR.		937.5				
1125+00.00 TO 1125+74.66		TEMP. BARR.		75.0				
1127+60.00	LT	STOP BAR						
TOTAL			3510.0	1887.5	1248.0	2080.0	1170.0	16

GUARDRAIL SCHEDULE

STATION	RT/LT	SPBGR (FT)	TBT - T1 (SPECIAL) (EA)	TBT - T6 (EA)	TERMINAL MKR-DIRECT APPLIED (EA)	GUARDRAIL MARKERS TYPE-A (EA)
1115+59.75 TO 1117+28.50	LT	75.00	1	1	1	2
1117+28.50 TO 1120+81.50	LT					
1120+81.50 TO 1121+75.25	LT	0.00	1	1	1	2
1115+47.25 TO 1117+28.50	RT	87.50	1	1	1	2
1117+28.50 TO 1120+81.50	RT					
1120+81.50 TO 1122+37.75	RT	62.50	1	1	1	2
TOTAL		225	4	4	4	8

REMOVAL SCHEDULE

STATION				PVMT REMOVAL (SQ YD)	DRIVEWAY PVMT REMOVAL (SQ YD)	HMA SURFACE REMOVAL VAR. DEPTH (SQ YD)	PIPE CULVERT REMOVAL (FT)	SPBGR (FT)
1112+25.00	TO	1117+81.50	RT					
1112+75.00	TO	1115+74.14	RT/LT			797.71		
1113+09.75		PE	LT				30.00	
1114+22.76		PE	LT		30.08		31.50	
1114+77.66		PE	RT				70.00	
1114+98.40		PE	LT				53.50	
1116+04.24	TO	1117+81.50	RT					177.26
1116+17.72	TO	1117+81.50	LT					163.78
1116+92.50	TO	1117+81.50	RT/LT	260.29				
1120+28.95	TO	1121+17.50	RT/LT	258.70				
1120+28.95	TO	1121+68.60	LT					139.65
1120+28.95	TO	1121+93.50	RT					164.55
1124+20.00	TO	1124+75.00	RT/LT			146.67		
TOTAL				518.98	30.08	944.37	185.00	645.24

TREE REMOVAL SCHEDULE

STATION	OFFSET	RT/LT	6 TO 15 UNITS			OVER 15 UNITS			
1117+32.88	40.1	RT	6						
1117+50.44	40.7	RT	10						
1117+51.10	30.0	LT				27			
1117+57.67	39.5	RT	10						
1117+68.98	42.2	LT					33		
1117+77.25	43.2	RT			14				
1119+36.64	35.9	RT				22			
1119+58.84	42.4	RT						40	
SUB-TOTAL			6	20	14	22	27	33	40
TOTAL			40			122			

EARTHWORK SCHEDULE

LOCATION		EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJTD FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
STA 1112+68.50	TO STA 1117+28.50	190.0	142.5	102.5	40.0
STA 1120+81.50	TO STA 1125+00.00	31.9	23.9	688.7	-664.8
TOTAL		221.9	166.4	791.2	-624.8

EARTHWORK SCHEDULE (WIDENING)

LOCATION		EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJTD FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
STA 1112+75.00	TO STA 1117+81.50	35.2	26.4	0.0	26.4
STA 1120+28.95	TO STA 1125+25.00	44.0	33.0	0.0	33.0
TOTAL		79.2	59.4	0.0	59.4

RIGHT-OF-WAY MARKERS SCHEDULE

LOCATION			ROW MARKERS (EA)
STATION	RT/LT	OFFSET	
1112+86.39	RT	40	1
1113+00.00	RT	55	1
1113+20.61	LT	45	1
1113+50.00	RT	55	1
1113+58.78	RT	53.24	1
1114+00.00	RT	45	1
1114+52.29	LT	45	1
1119+05.00	RT	45	1
1119+05.00	RT	50	1
1120+00.00	RT	50	1
1120+02.88	RT	50.29	1
1120+43.26	LT	45	1
1120+50.00	RT	55	1
1120+68.68	LT	105	1
1122+40.23	LT	105	1
1122+40.23	LT	50	1
1123+00.00	RT	55	1
1123+50.00	RT	50	1
1125+00.00	LT	50	1
1125+00.00	RT	50	1
1125+50.00	LT	40	1
1125+50.00	RT	40	1
TOTAL			22

ROW & PROPERTY CORNERS SCHEDULE

LOCATION			ROW PROPERTY CORNERS (EA)
STATION	RT/LT	OFFSET	
1112+86.39	RT	40	1
1114+52.29	LT	45	1
1115+28.78	RT	45	1
1119+05.00	RT	50	1
TOTAL			4

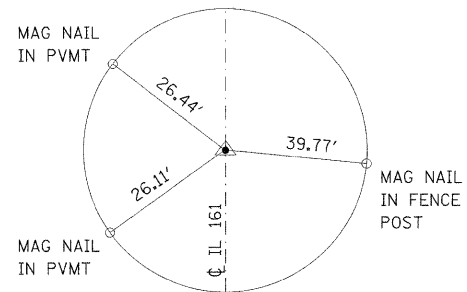
CHANNEL EXCAVATION SCHEDULE

LOCATION		EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJTD FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
STA 1117+28.50	TO STA 1118+65.00	1973.9	1480.4	0.0	1480.4
STA 1119+55.40	TO STA 1120+81.50	1461.8	1096.4	22.5	1073.9
TOTAL		3435.7	2576.8	22.5	2554.3

SEEDING SCHEDULE

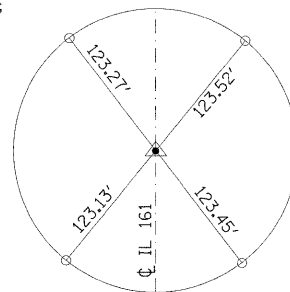
STA	STA	SEEDING CLASS 2 (ACRE)	NITROGEN FERT. NUTR (POUND)	PHOSPHORUS FERT. NUTR (POUND)	POTASSIUM FERT. NUTR (POUND)	MULCH METHOD 1 (ACRE)
1112+61.50	TO 1119+05.00 LT	0.31	27.75	27.75	27.75	0.31
1120+78.88	TO 1125+50.00 LT	0.39	35.03	35.03	35.03	0.39
1112+61.50	TO 1119+05.00 RT	0.41	36.64	36.64	36.64	0.41
1120+78.88	TO 1125+50.00 RT	0.40	35.77	35.77	35.77	0.40
TOTAL		1.51	135.18	135.18	135.18	* 1.51

* NOT A TOTAL QUANTITY (SEE TEMPORARY EROSION CONTROL SCHEDULE ON SHEET 22)

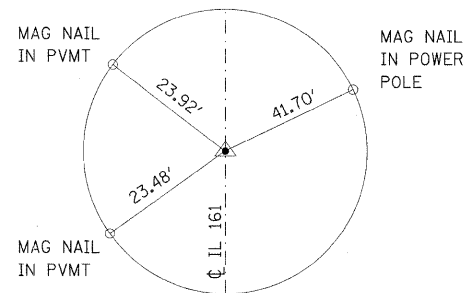
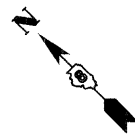


TIE POINT
PT STA 1107+70.70
MAG NAIL (SET)

ALL TIES MAG
NAIL IN EOP



TIE POINT
PT STA 1119+05.00
MAG NAIL (SET)



TIE POINT
PT STA 1130+32.34
MAG NAIL (SET)

BENCHMARKS

BM #1: CHISELED "+" ON TOP FLANGE BOLT NEXT TO THE "O"
IN OPEN OF FIRE HYDRANT AT THE N.E. CORNER OF IL
161 AN P.E. LOCATED WEST OF THE EXISTING STRUCTURE
STA 1115+17.00 39' RT
ELEVATION = 430.71

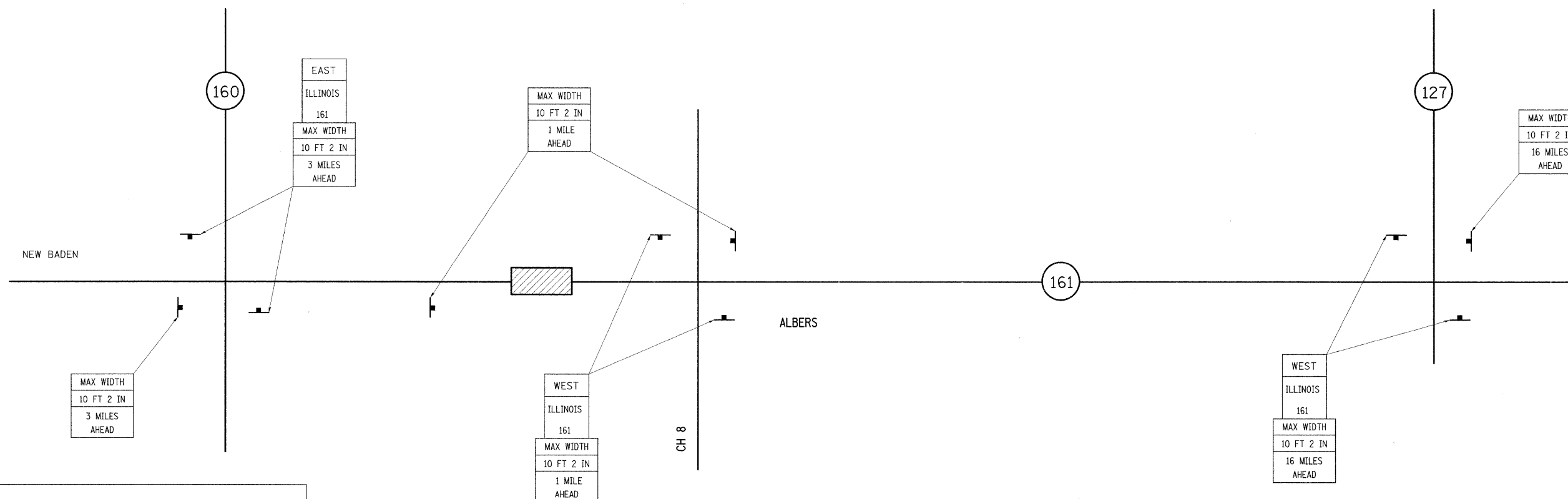
BM #2: CHISELED "+" ON TOP OF WINGWALL AT THE
S.E. CORNER OF THE EXISTING CORNER
STA 1120+29.00, 17' RT
ELEVATION = 426.56

NOTE: ALL TIES PULLED DIRECT

FILE NAME =	USER NAME = gelnh	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE POINTS & BENCHMARKS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwt\dot\gelnh\dms51845\pin0206e.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN - HG	REVISED - ---					805	126-BR-1	CLINTON	85	8	
	PLOT DATE = 12/9/2008	CHECKED - ---	REVISED - ---		SCALE: 1" = 20'			SHEET NO. ___ OF ___ SHEETS		STA.	TO STA.	CONTRACT NO. 76976	
		DATE - -----	REVISED - ---		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT								

NOTES

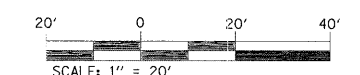
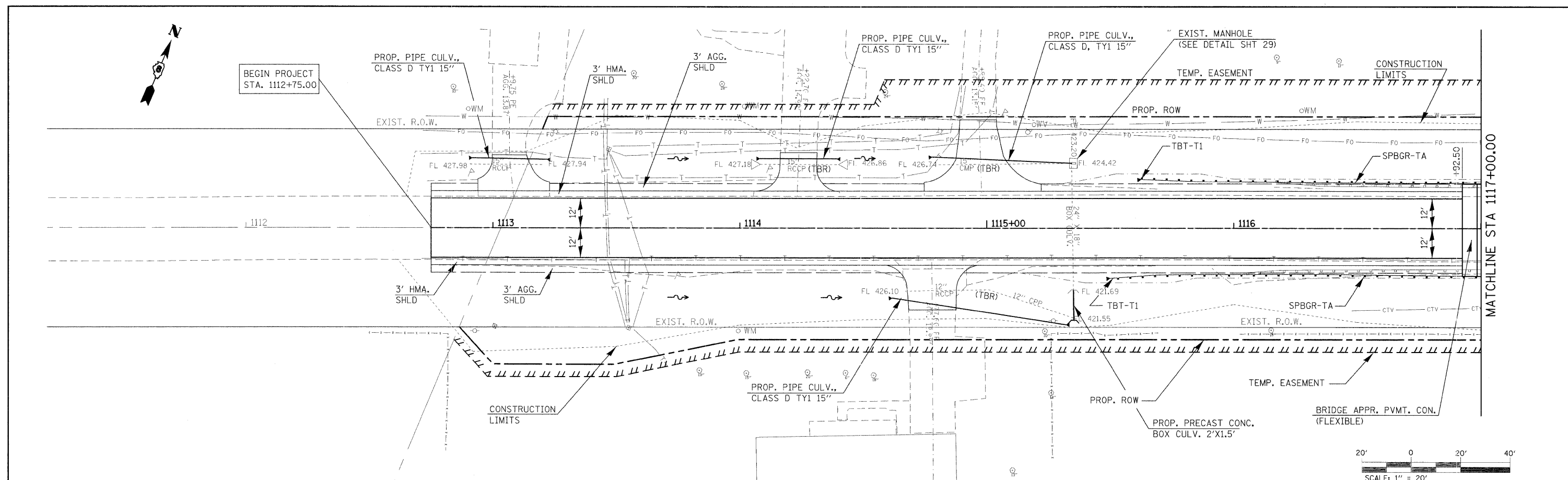
1. ALL SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE RE/RT. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE @ (618) 346-3289.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR WIDE LOAD SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.



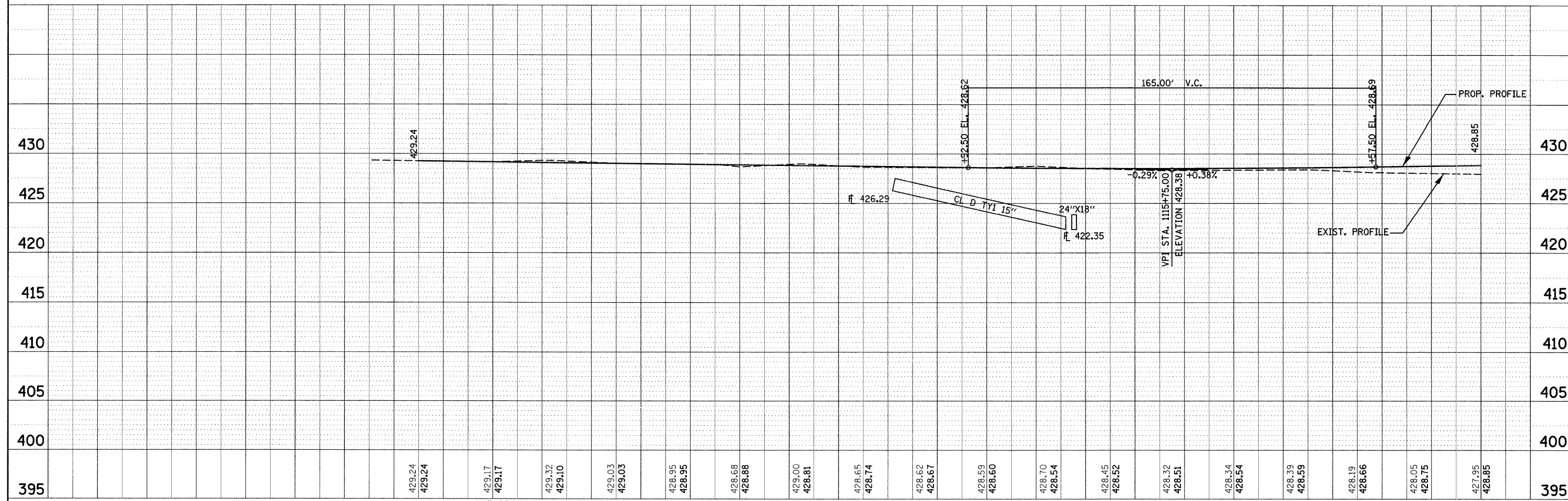
SIGNS REQUIRED			
MAX WIDTH 10 FT 2 IN 1 MILE AHEAD	(4)	EAST	(2)
		WEST	(4)
MAX WIDTH 10 FT 2 IN 3 MILES AHEAD	(3)	ILLINOIS 161	(6)
MAX WIDTH 10 FT 2 IN 16 MILES AHEAD	(3)		



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



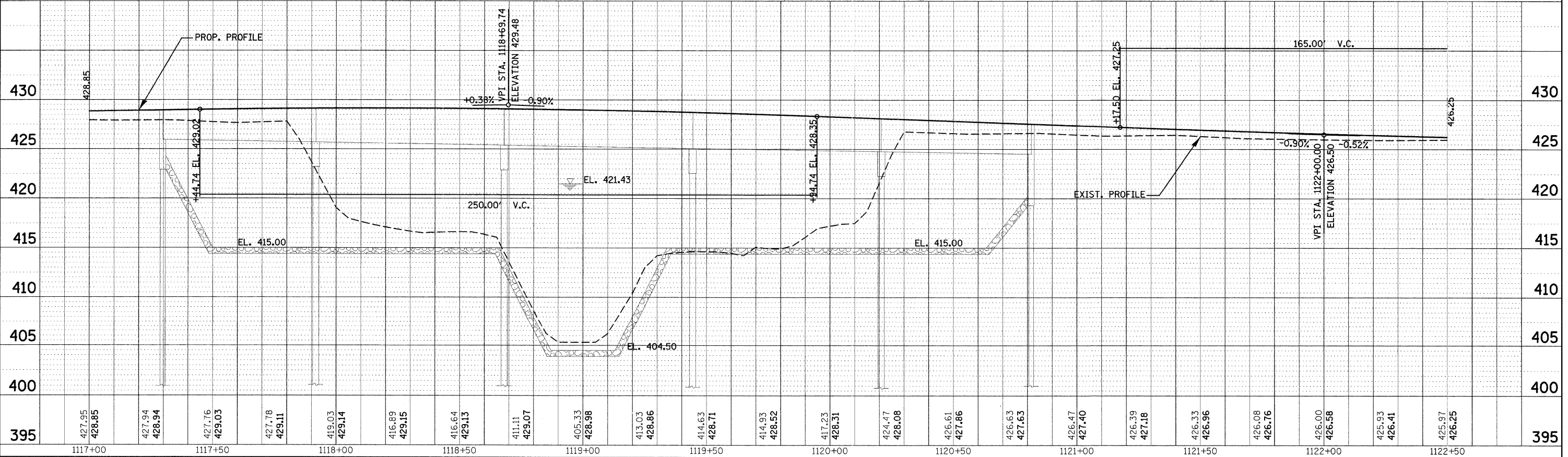
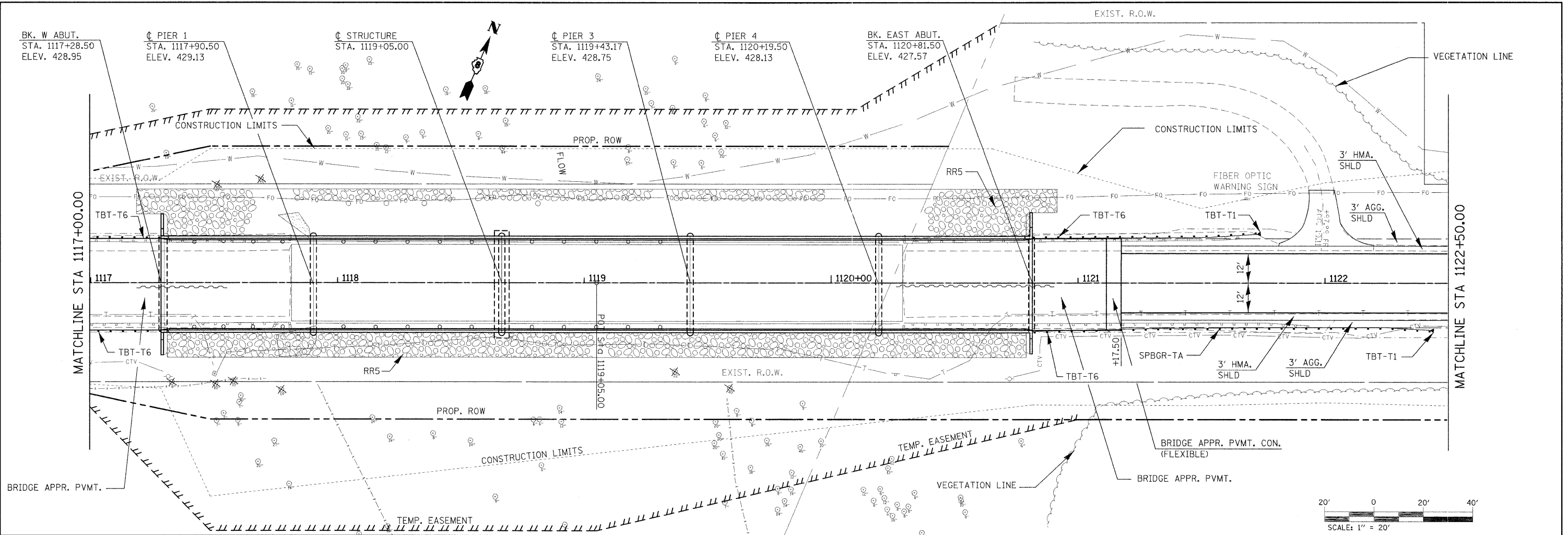
PROFILE SURVEYED BY DATE
 PLOTTED BY
 CHECKED BY
 NOTE BOOK NO.
 STRUCTURE NOTATIONS CHKD



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\pudot\gelinh\dms51845\p1n205.dgn	gelinh	HG	---	CONTRACT NO. 76976		SCALE: 1" = 20" SHEET NO. 85 OF 85 SHEETS STA. 1112+00.00 TO STA. 1117+00.00		805	126-BR-1	CLINTON	85	10
PLOT SCALE = 20.0000' / IN.		HG	---									
PLOT DATE = 12/9/2008		---	---									
		---	---									

DATE	
BY	
APPROVED	
PLANNED	
NOTED	
NO.	

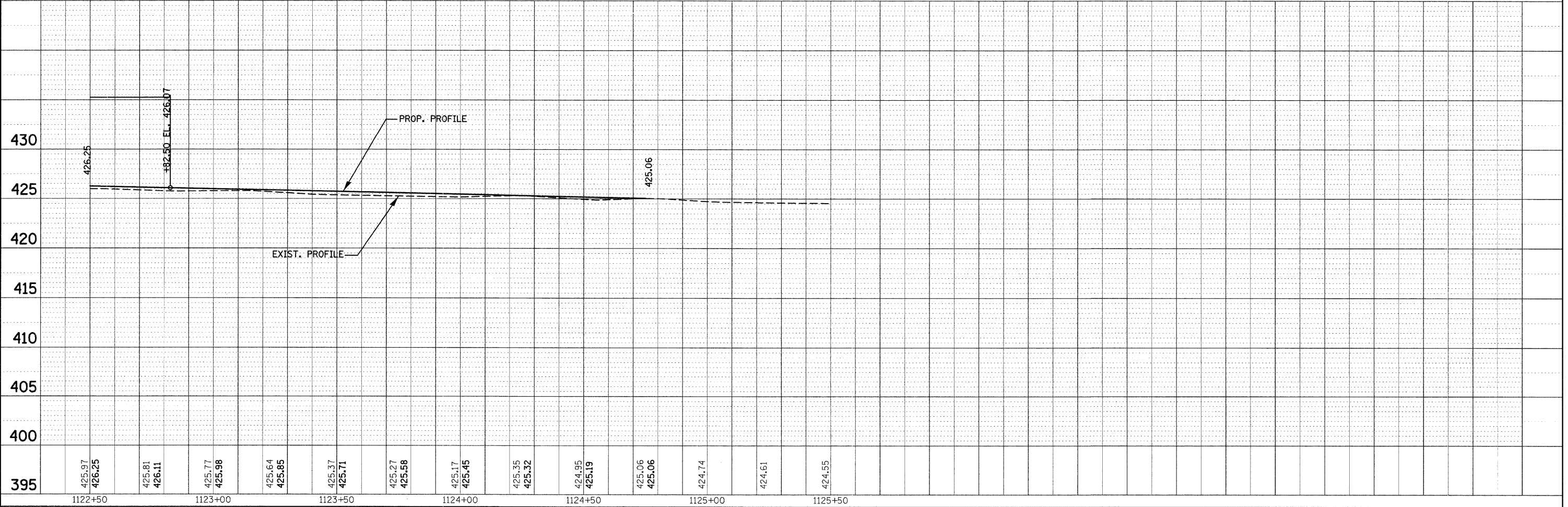
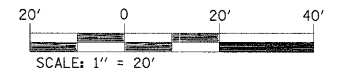
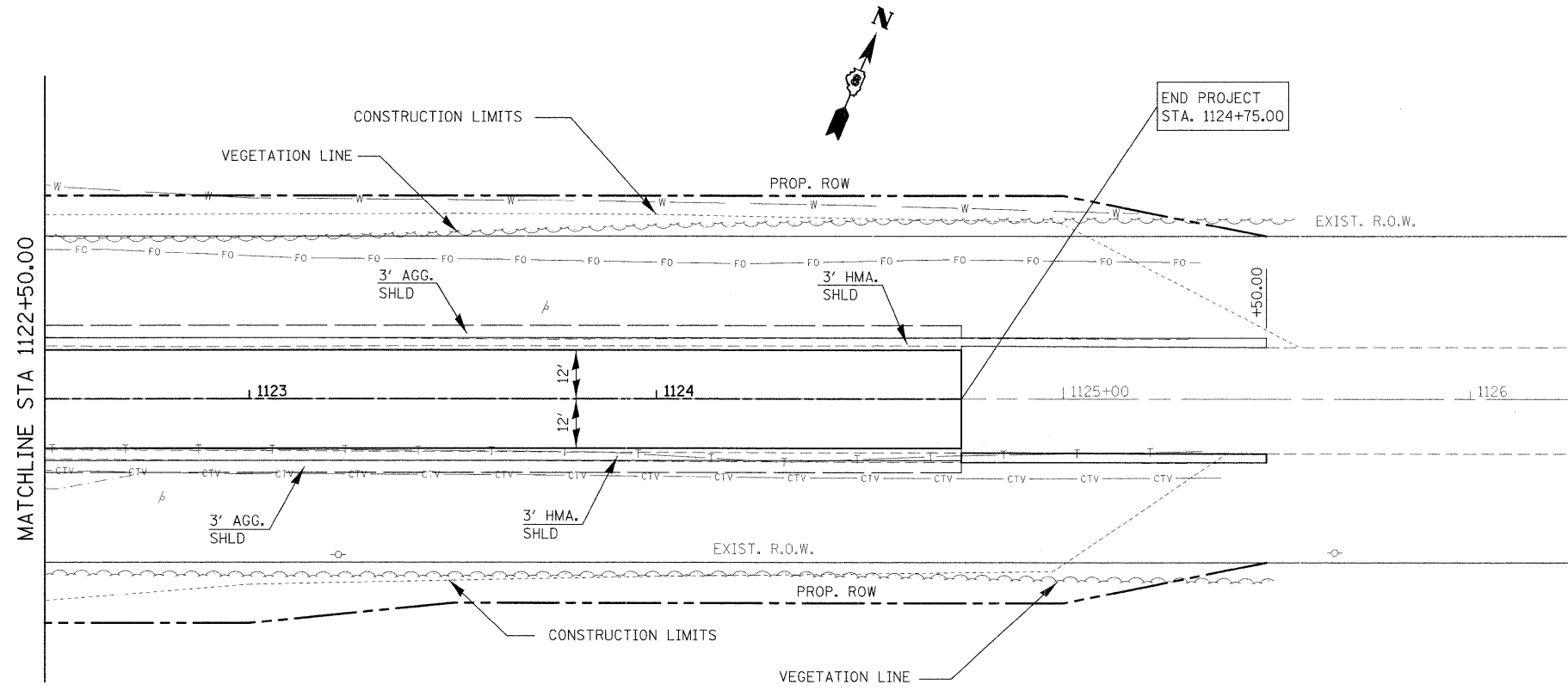
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APPROVED	
PLANNED	
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NO.	



FILE NAME =	USER NAME = getinh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE	F.A.P. R.T.E. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pe_work\p\dot\ge\1\rdms51845\p\ln00509a.dgn		DRAWN -	REVISED -			805	126-BR-1	CLINTON	85	11	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76976					
PLOT DATE = 12/9/2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PLAN
 SURVEYED _____
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 BY _____
 STRUCTURE NOTATIONS CHKD _____

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 PLOTTED _____
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 BY _____
 NOTE BOOK NO. _____
 CHECKED _____
 ALIGNED _____
 PLOTTED _____
 DATE _____
 BY _____
 STRUCTURE NOTATIONS CHKD _____



FILE NAME =	USER NAME = gelnh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
os:\pwork\pwork\gelnh\dms51845\pin0808.dgn		DRAWN -	REVISED -			805	126-BR-1	CLINTON	85	12	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76976					
PLOT DATE = 12/9/2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 1122+50.00 TO STA. 1125+50.00											

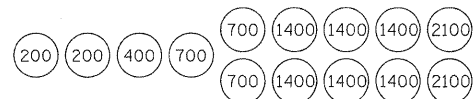
PRE-STAGE I CONSTRUCTION:

- PRE-STAGE I CONSTRUCTION SHALL CONSIST OF THE CONSTRUCTION OF THE 3' PAVEMENT WIDENING ON THE NORTHEAST AND NORTHWEST CORNERS OF THE STRUCTURE. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION, STANDARD 701326.

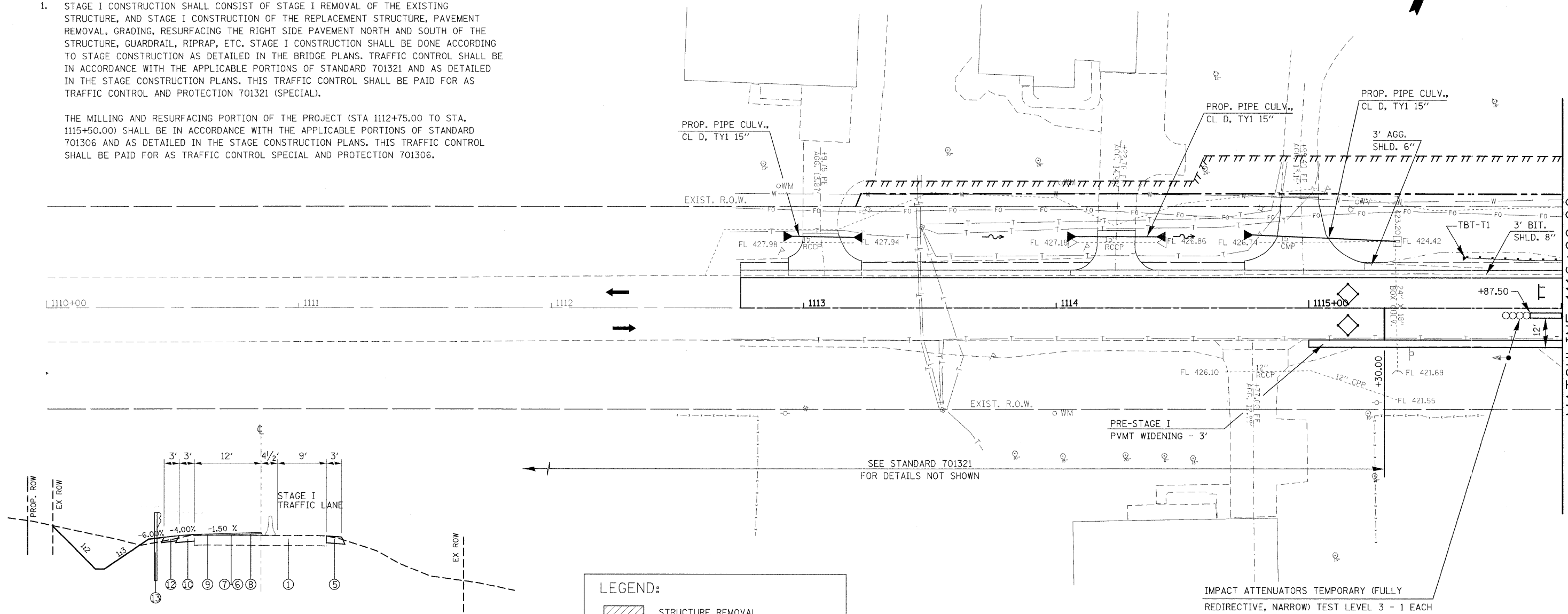
STAGE I CONSTRUCTION:

- STAGE I CONSTRUCTION SHALL CONSIST OF STAGE I REMOVAL OF THE EXISTING STRUCTURE, AND STAGE I CONSTRUCTION OF THE REPLACEMENT STRUCTURE, PAVEMENT REMOVAL, GRADING, RESURFACING THE RIGHT SIDE PAVEMENT NORTH AND SOUTH OF THE STRUCTURE, GUARDRAIL, RIPRAP, ETC. STAGE I CONSTRUCTION SHALL BE DONE ACCORDING TO STAGE CONSTRUCTION AS DETAILED IN THE BRIDGE PLANS. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STANDARD 701321 AND AS DETAILED IN THE STAGE CONSTRUCTION PLANS. THIS TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION 701321 (SPECIAL).

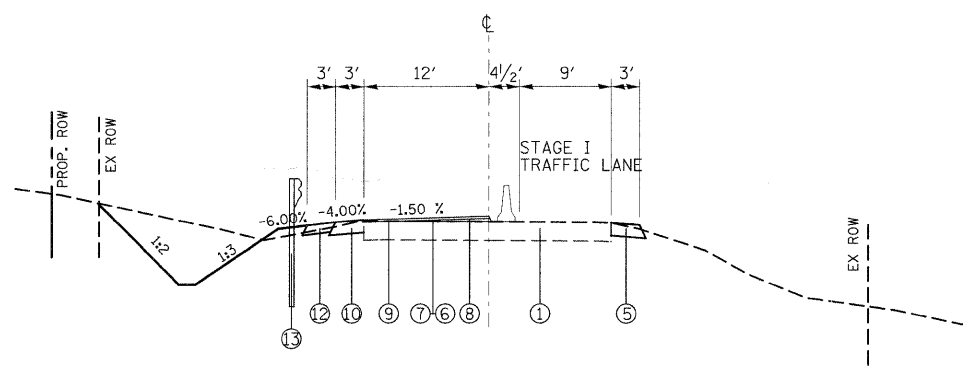
THE MILLING AND RESURFACING PORTION OF THE PROJECT (STA 1112+75.00 TO STA. 1115+50.00) SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STANDARD 701306 AND AS DETAILED IN THE STAGE CONSTRUCTION PLANS. THIS TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL SPECIAL AND PROTECTION 701306.



SAND MODULE IMPACT ATTENUATOR LAYOUT (IF OPTION USED)



MATCHLINE 1116+00.00



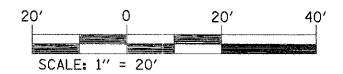
STAGE I TYPICAL SECTION
STA. 1112+25.0 TO STA. 1116+00.0 (NTS)

- LEGEND**
- ① EXISTING PAVEMENT
 - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 9"
 - ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ⑦ PROPOSED AGGREGATE (PRIME COAT)
 - ⑧ PROPOSED HMA BINDER COURSE (VARIES FROM 3/4" TO 9/2")
 - ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
 - ⑩ PROPOSED HMA SHOULDER, 8"
 - ⑫ PROPOSED AGGREGATE SHOULDER, TYPE B 6"
 - ⑬ PROPOSED GUARDRAIL

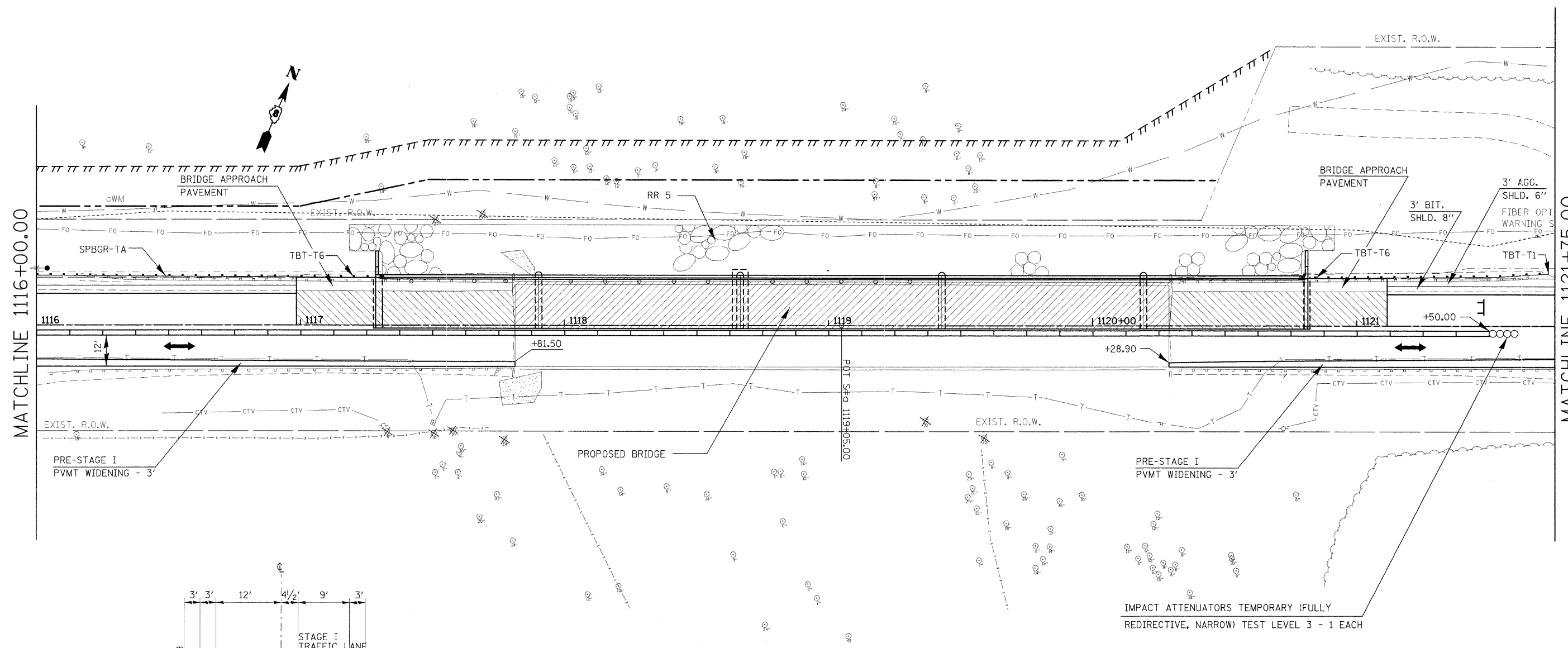
LEGEND:

- STRUCTURE REMOVAL
- PAVEMENT REMOVAL
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- INDUCTION LOOP DETECTOR
- DRUM WITH STEADY BURNING LIGHT
- SIGNALIZED TWO-WAY TRAFFIC LANE
- TEMPORARY BRIDGE TRAFFIC SIGNAL
- TYPE III BARRICADE

- NOTES:**
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE AND FIELD ENTRANCES LOCATED WITHIN THE LIMITS OF THE PROJECT.
 - TRAFFIC CONTROL & PROTECTION, STANDARD 701321 (SPECIAL) INCLUDES BOTH STAGE I & II AND ANY ADDITIONAL SIGNING OR TRAFFIC CONTROL DEVICES SHOWN ON THE STAGE CONSTRUCTION PLANS.
 - ALL ADDITIONAL TRAFFIC SIGNAL HEADS, LOOP DETECTORS AND ASSOCIATED EQUIPMENT REQUIRED TO MAINTAIN ACCESS AT THE FIELD AND DRIVEWAY ENTRANCES SHALL BE INCLUDED IN THE COST OF "TEMPORARY BRIDGE TRAFFIC SIGNALS"
 - THE COST OF "BARRICADES, TYPE III" SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)".
 - ALL SIDEROADS AND ENTRANCES WITHIN TRAFFIC CONTROL SHALL HAVE "NO RIGHT TURN ON RED" AND "STOP HERE ON RED" SIGNS. THE COST SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)".
 - THE LENGTH OF THE TEMPORARY CONCRETE BARRIER FOR STAGE I CONSTRUCTION IS 875 FT.

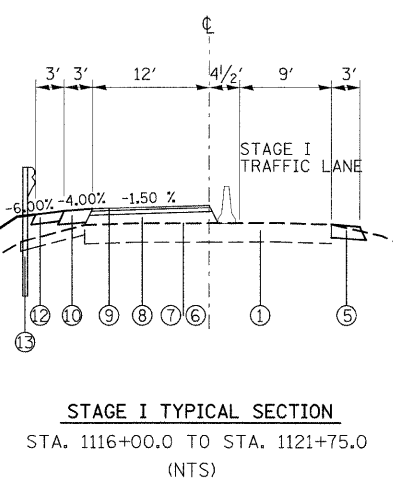


FILE NAME = c:\pw\work\pwidot\gelinh\dms51845\Stage	USER NAME = gelinh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE I CONSTRUCTION AND TRAFFIC CONTROL		F.A.P. R.T.E. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 13
	PLOT SCALE = 28.0000' / IN.	DRAWN -	REVISED -				SCALE: 1" = 20'		SHEET NO. ___ OF ___ SHEETS		STA. 1110+00.00 TO STA. 1116+00.00
PLOT DATE = 12/9/2008	CHECKED -	REVISED -	REVISED -			FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					



MATCHLINE 1116+00.00

MATCHLINE 1121+75.00



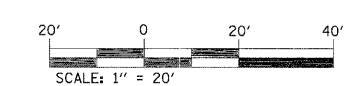
STAGE I TYPICAL SECTION
STA. 1116+00.0 TO STA. 1121+75.0
(NTS)

LEGEND

- ① EXISTING PAVEMENT
- ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 9"
- ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ PROPOSED AGGREGATE (PRIME COAT)
- ⑧ PROPOSED HMA BINDER COURSE (VARIES FROM 3/4" TO 9/2")
- ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑩ PROPOSED HMA SHOULDER, 8"
- ⑫ PROPOSED AGGREGATE SHOULDER, TYPE B 6"
- ⑬ PROPOSED GUARDRAIL










LEGEND:

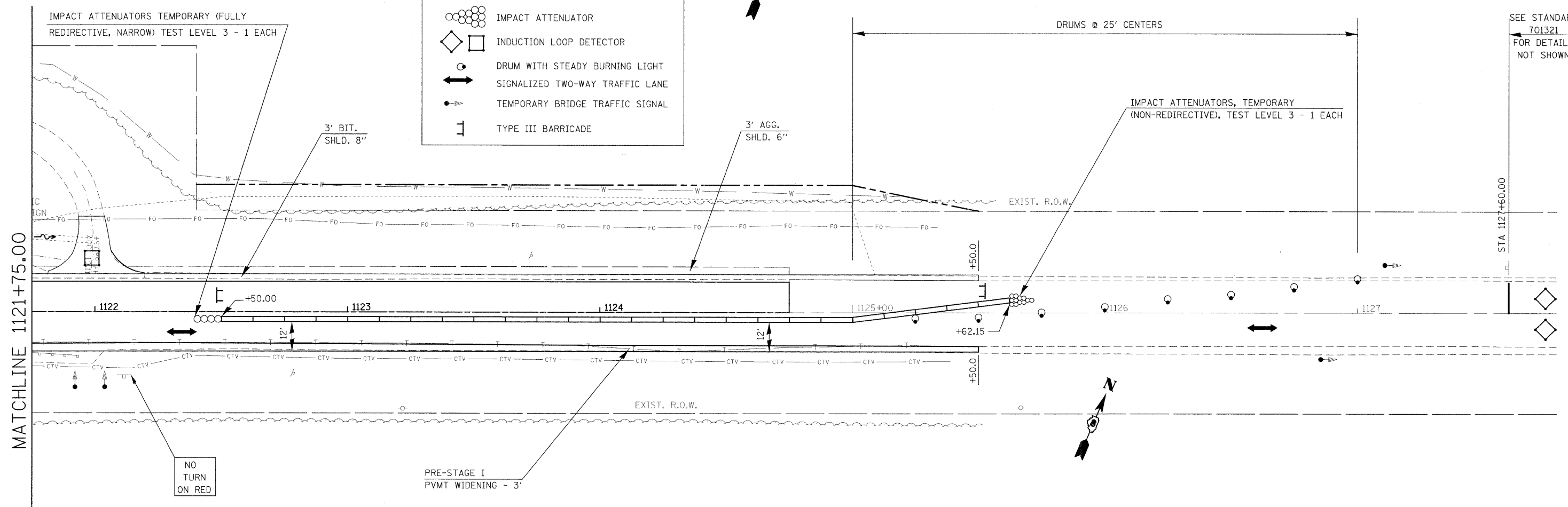
- STRUCTURE REMOVAL
- PAVEMENT REMOVAL
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- INDUCTION LOOP DETECTOR
- DRUM WITH STEADY BURNING LIGHT
- SIGNALIZED TWO-WAY TRAFFIC LANE
- TEMPORARY BRIDGE TRAFFIC SIGNAL
- TYPE III BARRICADE



FILE NAME =	USER NAME = gelinh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE I CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 14		
cr:\pw_work\pwidot\gelinh\dms51845\Stage	and Pvmf Mkgdgn	DRAWN -	REVISED -			SCALE: 1" = 20"	SHEET NO. ___ OF ___ SHEETS	CONTRACT NO. 76976				
		CHECKED -	REVISED -			STA. 1116+00.00 TO STA. 1121+75.00						
		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

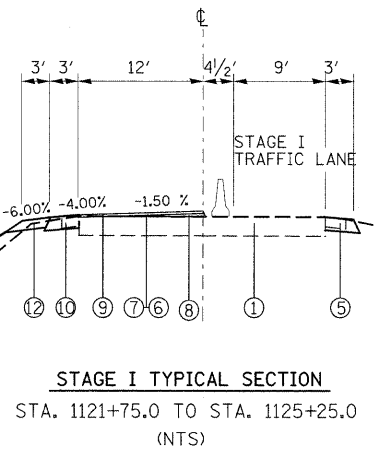
LEGEND:

-  STRUCTURE REMOVAL
-  PAVEMENT REMOVAL
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR
-  INDUCTION LOOP DETECTOR
-  DRUM WITH STEADY BURNING LIGHT
-  SIGNALIZED TWO-WAY TRAFFIC LANE
-  TEMPORARY BRIDGE TRAFFIC SIGNAL
-  TYPE III BARRICADE

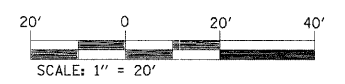


NO TURN ON RED

PRE-STAGE I PAVT WIDENING - 3'



- LEGEND**
- ① EXISTING PAVEMENT
 - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 9"
 - ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ⑦ PROPOSED AGGREGATE (PRIME COAT)
 - ⑧ PROPOSED HMA BINDER COURSE (VARIES FROM 3/4" TO 9/2")
 - ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
 - ⑩ PROPOSED HMA SHOULDER, 8"
 - ⑫ PROPOSED AGGREGATE SHOULDER, TYPE B 6"
 - ⑬ PROPOSED GUARDRAIL

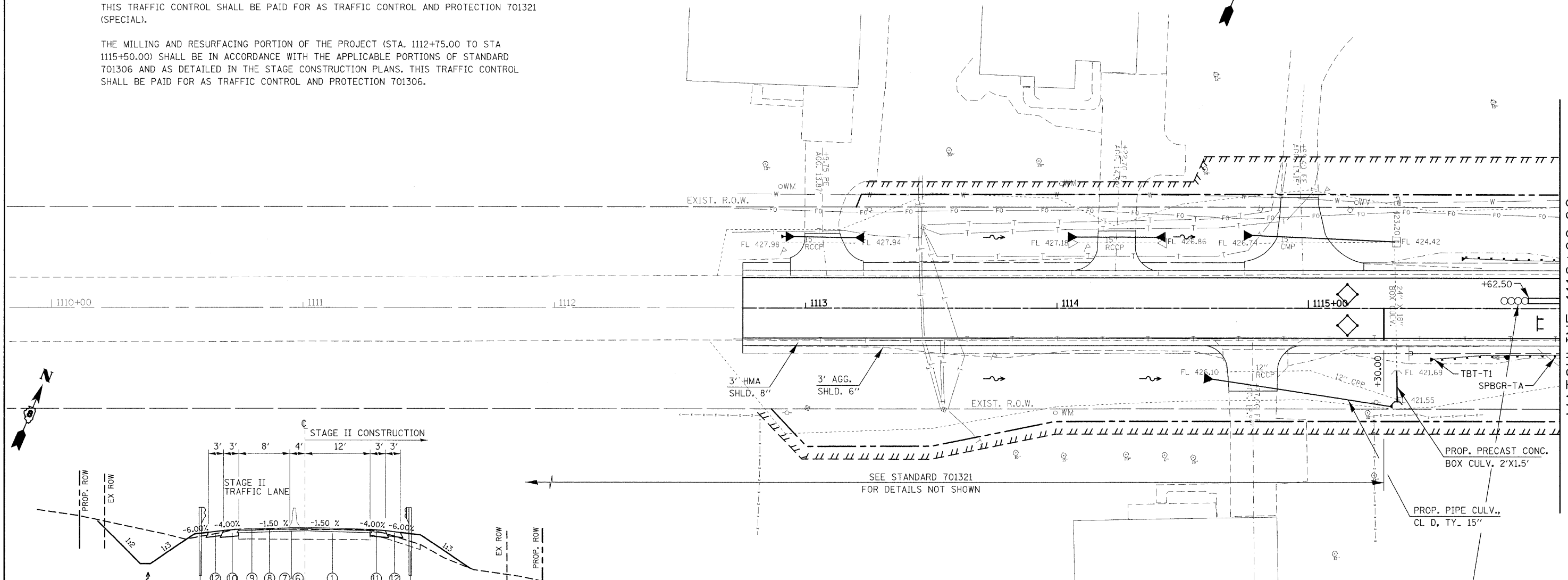
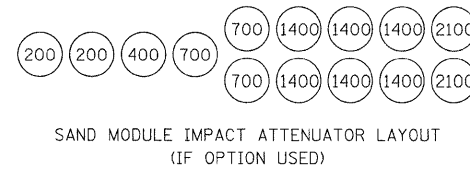


FILE NAME = c:\pwwork\pwt\dot\gelinh\dms51845\Stage	USER NAME = gelinh and Pwmt Mkg.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE I CONSTRUCTION AND TRAFFIC CONTROL			F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 15
PLOT SCALE = 20.0000' / IN.					SCALE: 1" = 20"	SHEET NO. ___ OF ___ SHEETS	STA. 1121+75.00 TO STA. 1127+00.00	CONTRACT NO. 76976				
PLOT DATE = 12/9/2008					DATE	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

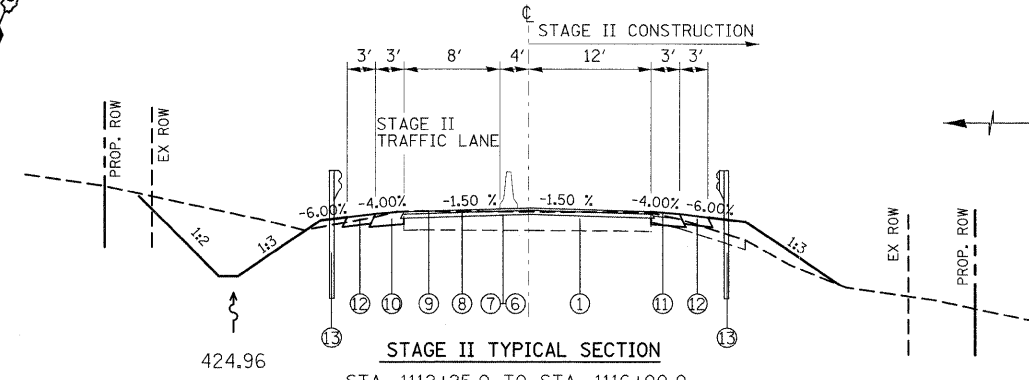
STAGE II CONSTRUCTION:

1. STAGE II CONSTRUCTION SHALL CONSIST OF STAGE II REMOVAL OF THE EXISTING STRUCTURE, AND STAGE II CONSTRUCTION OF THE REPLACEMENT STRUCTURE, REMOVE PRE-STAGE I PAVEMENT WIDENING, PAVEMENT REMOVAL, GRADING, RESURFACING THE LEFT SIDE PAVEMENT EAST AND WEST OF THE STRUCTURE, GUARDRAIL, RIPRAP, ETC. STAGE II CONSTRUCTION SHALL BE DONE ACCORDING TO STAGE CONSTRUCTION AS DETAILED IN THE BRIDGE PLANS. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STANDARD 701321 AND AS DETAILED IN THE STAGE CONSTRUCTION PLANS. THIS TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION 701321 (SPECIAL).

THE MILLING AND RESURFACING PORTION OF THE PROJECT (STA. 1112+75.00 TO STA. 1115+50.00) SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STANDARD 701306 AND AS DETAILED IN THE STAGE CONSTRUCTION PLANS. THIS TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION 701306.



MATCHLINE 1116+00.00



STAGE II TYPICAL SECTION
STA. 1112+25.0 TO STA. 1116+00.0 (NTS)

- LEGEND**
- ① EXISTING PAVEMENT
 - ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 9"
 - ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ⑦ PROPOSED AGGREGATE (PRIME COAT)
 - ⑧ PROPOSED HMA BINDER COURSE (VARIES FROM 3/4" TO 9/2")
 - ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
 - ⑩ PROPOSED HMA SHOULDER, 8" (SEE NOTE)
 - ⑪ PROPOSED HMA SHOULDER, 2" (SEE NOTE)
 - ⑫ PROPOSED AGGREGATE SHOULDER, TYPE B 6"
 - ⑬ PROPOSED GUARDRAIL

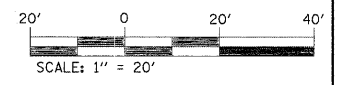
LEGEND:

- STRUCTURE REMOVAL
- PAVEMENT REMOVAL
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- INDUCTION LOOP DETECTOR
- DRUM WITH STEADY BURNING LIGHT
- SIGNALIZED TWO-WAY TRAFFIC LANE
- TEMPORARY BRIDGE TRAFFIC SIGNAL
- TYPE III BARRICADE

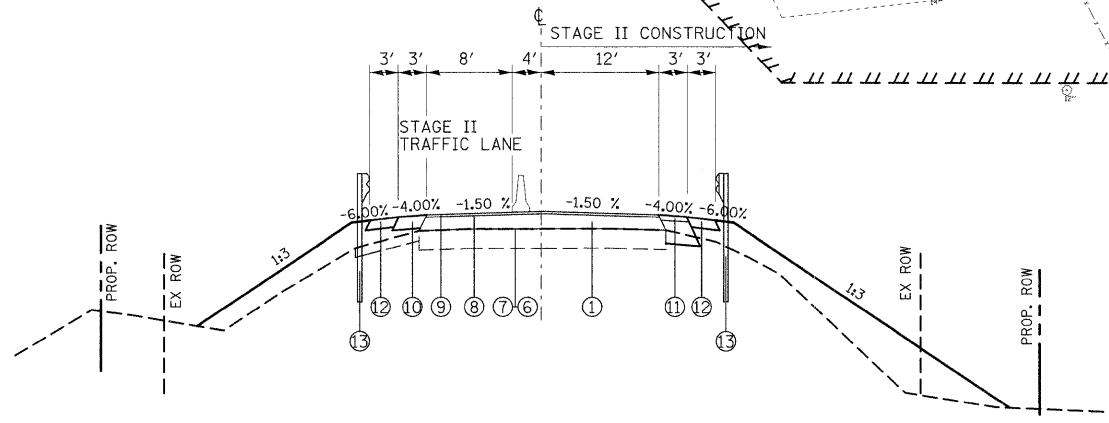
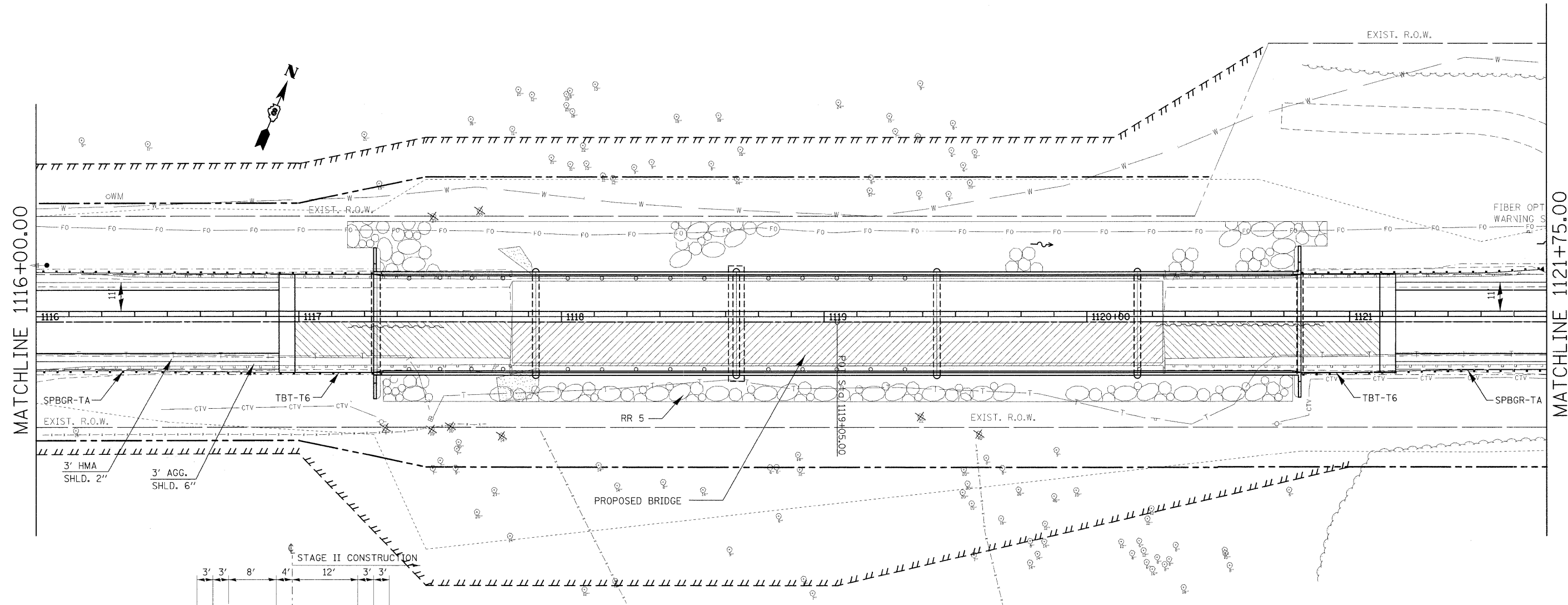
NOTE:
PROPOSED HMA SHOULDER, 8" RUNS FROM STA 1112+25.0 TO STA 1115+00.0 RT
PROPOSED HMA SHOULDER, 2" RUNS FROM STA 1115+00.0 TO STA 1124+75.0 RT

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE AND FIELD ENTRANCES LOCATED WITHIN THE LIMITS OF THE PROJECT.
2. TRAFFIC CONTROL & PROTECTION, STANDARD 701321 (SPECIAL) INCLUDES BOTH STAGE I & II AND ANY ADDITIONAL SIGNING OR TRAFFIC CONTROL DEVICES SHOWN ON THE STAGE CONSTRUCTION PLANS.
3. ALL ADDITIONAL TRAFFIC SIGNAL HEADS, LOOP DETECTORS AND ASSOCIATED EQUIPMENT REQUIRED TO MAINTAIN ACCESS AT THE FIELD AND DRIVEWAY ENTRANCES SHALL BE INCLUDED IN THE COST OF "TEMPORARY BRIDGE TRAFFIC SIGNALS"
4. THE COST OF "BARRICADES, TYPE III" SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)".
5. ALL SIDEROADS AND ENTRANCES WITHIN TRAFFIC CONTROL SHALL HAVE "NO RIGHT TURN ON RED" AND "STOP HERE ON RED" SIGNS. THE COST SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)".
7. THE LENGTH OF THE TEMPORARY CONCRETE BARRIER FOR STAGE II CONSTRUCTION IS 1,012.5 FT.



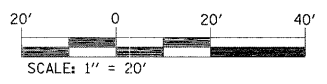
FILE NAME =	USER NAME = gelinh	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE II CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
or:\pw\work\pwidot\gelinh\dms51845\Stage	and Pwmt Mkg.dgn	DRAWN - ---	REVISED - ---			805	126-BR-1	CLINTON	85	16	
PLOT SCALE = 20.0000' / IN.	CHECKED - ---	REVISED - ---	SCALE: 1" = 20"			SHEET NO. ___ OF ___ SHEETS		STA. 1110+00.00 TO STA. 1116+00.00		CONTRACT NO. 76976	
PLOT DATE = 12/9/2008	DATE - ---	REVISED - ---	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT								



STAGE II TYPICAL SECTION
 STA. 1116+00.0 TO STA. 1121+75.0
 (NTS)

- LEGEND**
- ① EXISTING PAVEMENT
 - ② PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 9"
 - ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ④ PROPOSED AGGREGATE (PRIME COAT)
 - ⑤ PROPOSED HMA BINDER COURSE (VARIES FROM 3/4" TO 9 1/2")
 - ⑥ PROPOSED HMA SURFACE COURSE, 1 1/2"
 - ⑦ PROPOSED HMA SHOULDER, 8"
 - ⑧ PROPOSED HMA SHOULDER, 2"
 - ⑨ PROPOSED AGGREGATE SHOULDER, TYPE B 6"
 - ⑩ PROPOSED GUARDRAIL

- LEGEND:**
- STRUCTURE REMOVAL
 - PAVEMENT REMOVAL
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATOR
 - INDUCTION LOOP DETECTOR
 - DRUM WITH STEADY BURNING LIGHT
 - SIGNALIZED TWO-WAY TRAFFIC LANE
 - TEMPORARY BRIDGE TRAFFIC SIGNAL
 - TYPE III BARRICADE



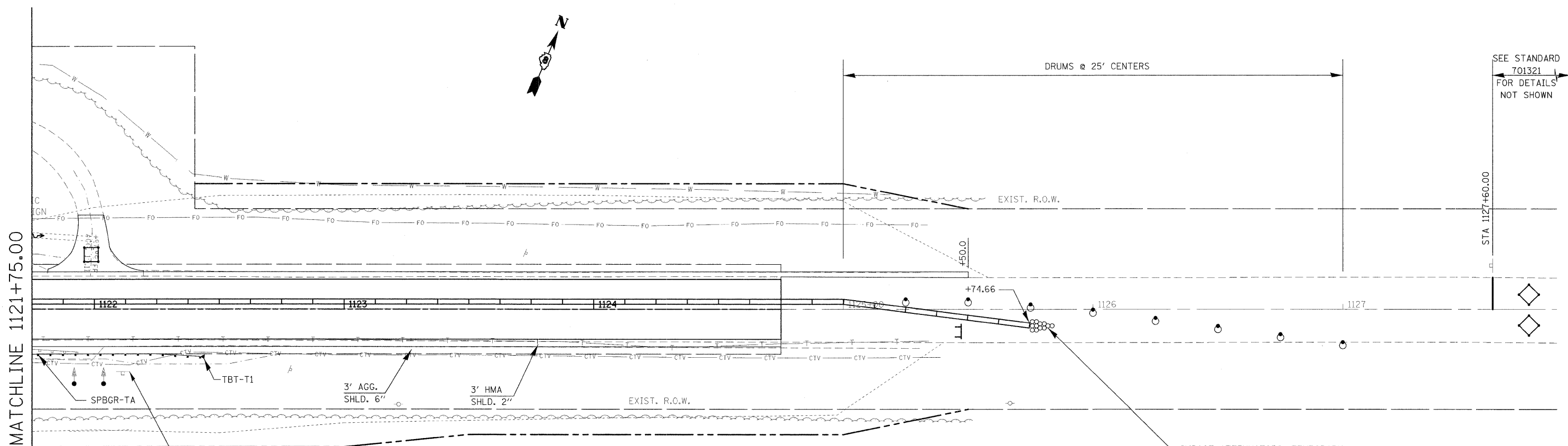
FILE NAME = c:\pwork\pwidot\gelinh\dms51845\Stage	USER NAME = gelinh and Pwmt Mkg.dgn	DESIGNED - DRAWN -	REVISED - REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 12/9/2008	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE II CONSTRUCTION
 AND TRAFFIC CONTROL**

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. 1116+00.00 TO STA. 1121+75.00

F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 17
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76976				



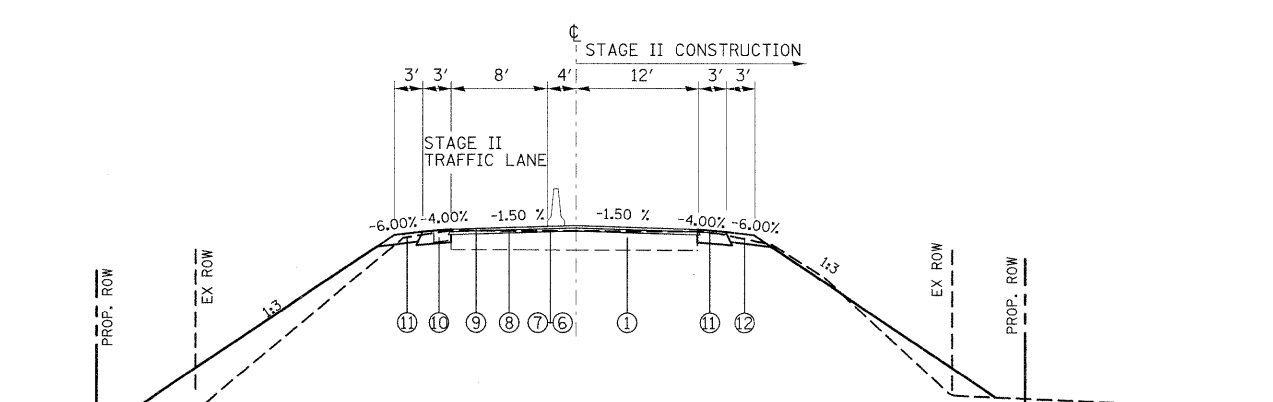
MATCHLINE 1121+75.00

SEE STANDARD
701321
FOR DETAILS
NOT SHOWN

STA 1127+60.00

NO
TURN
ON RED

IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3 - 1 EACH



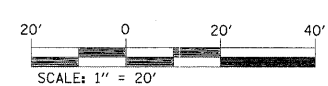
STAGE II TYPICAL SECTION
STA. 1121+75.0 TO STA. 1125+25.0
(NTS)

LEGEND

- ① EXISTING PAVEMENT
- ⑤ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 9"
- ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ PROPOSED AGGREGATE (PRIME COAT)
- ⑧ PROPOSED HMA BINDER COURSE (VARIES FROM 3/4" TO 9 1/2")
- ⑨ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑩ PROPOSED HMA SHOULDER, 8"
- ⑪ PROPOSED HMA SHOULDER, 2"
- ⑫ PROPOSED AGGREGATE SHOULDER, TYPE B 6"

LEGEND:

- STRUCTURE REMOVAL
- PAVEMENT REMOVAL
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- INDUCTION LOOP DETECTOR
- DRUM WITH STEADY BURNING LIGHT
- SIGNALIZED TWO-WAY TRAFFIC LANE
- TEMPORARY BRIDGE TRAFFIC SIGNAL
- TYPE III BARRICADE



FILE NAME = c:\pw_work\pwidot\gelinh\dms51845\Stage	USER NAME = gelinh and Pwnt Mkg.dgn	DESIGNED - --- DRAWN - ---	REVISED - --- REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGE II CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 18
PLOT SCALE = 20.0000' / IN. PLOT DATE = 12/9/2008		CHECKED - --- DATE - ---	REVISED - --- REVISED - ---	SCALE: 1" = 20" SHEET NO. ___ OF ___ SHEETS STA. 1121+75.00 TO STA. 1128+00.00		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT CONTRACT NO. 76976				

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ON MAY 30, 2003 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THIS PLAN HAS ALSO BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES PERMIT NUMBER ILR40 FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS IF CHECKED BELOW.

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

- ILR10
- ILR40 PERMIT NO. 0493

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

MARY C. LAMIE
PRINT NAME
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER
TITLE

IL DEPT. OF TRANSPORTATION

Mary C. Lamie
SIGNATURE
12-11-08
DATE

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT IS LOCATED ON IL 161 OVER SUGAR CREEK 4 MILES EAST OF NEW BADEN

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

CONSTRUCTION WILL INCLUDE THE REMOVAL AND REPLACEMENT OF THE IL RTE 161 STRUCTURE OVER SUGAR CREEK, SCOUR MITIGATION, PAVING, GRADING, CULVERT, LANDSCAPING, AND ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROPOSED STRUCTURE AND ROADWAY AS SHOWN IN THE PLANS.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

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

SUGAR CREEK (SN 014-0007)

PRE-STAGE 1: CONSTRUCTION OF THE 3' TEMPORARY PAVEMENT WIDENING ON THE NORTHEAST AND NORTHWEST CORNERS OF THE STRUCTURE.

STAGE 1: BEGIN STAGE 1 REMOVAL OF THE EXISTING STRUCTURE, AND STAGE 1 CONSTRUCTION OF THE REPLACEMENT STRUCTURE, EROSION CONTROL, GRADING, PAVING THE RIGHT SIDE PAVEMENT EAST AND WEST OF THE STRUCTURE, CONSTRUCTION OF PROPOSED HMA AND AGGREGATE SHOULDERS, GUARDRAIL, RIPRAP, ETC.

STAGE 2: BEGIN STAGE 2 REMOVAL OF THE EXISTING STRUCTURE AND STAGE 2 CONSTRUCTION OF THE REPLACEMENT STRUCTURE, REMOVE TEMPORARY WIDENING, GRADING, PAVING THE LEFT SIDE PAVEMENT EAST AND WEST OF THE STRUCTURE, CONSTRUCTION OF THE PROPOSED HMA AND AGGREGATE SHOULDERS, GUARDRAIL, RIPRAP, ETC.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 2.50 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 1.50 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: C= 0.50

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIVITY:

BLACKOAR SILT LOAM (3603) - A POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL HAS A LOW SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY ERODIBLE AREAS ASSOCIATED WITH THIS PROJECT:

THERE IS ONLY ONE TYPE OF SOIL WITHIN THE PROJECT LIMITS, BLACKOAR SILT LOAM (3603).

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR ERODIBLE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

THE NATURE AND PURPOSE OF LAND DISTURBING ACTIVITIES ON THIS PROJECT IS TO REMOVE AND REPLACE THE IL ROUTE 161 BRIDGE OVER SUGAR CREEK (PROPOSED STRUCTURE NO. 014-0078, EXISTING STRUCTURE 014-0007). PROPOSED RIGHT-OF-WAY WILL BE REQUIRED TO ACCOMMODATE RECONSTRUCTION OF THE BRIDGE AND THE ROADWAY APPROACHES. THERE ARE NO SCHEDULED NEIGHBORING ACTIVITIES THAT WILL AFFECT THE SOIL EROSION AND SEDIMENT CONTROL PLANS AND NO OFF-SITE LAND DISTURBING ACTIVITIES.

BLACKOAR SILT LOAM (3603) HAS ERODIBLE CHARACTERISTICS. GRADING ON BOTH SIDES OF THE STRUCTURE, SLOPE STEEPNESS IS 1:3 AND LENGTH VARY FROM 8.5' TO 35.5'.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AREAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

SUGAR CREEK (SN 014-0007)

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- SOIL SEDIMENT
- CONCRETE
- CONCRETE TRUCK WASTE
- CONCRETE CURING COMPOUNDS
- SOLID WASTE DEBRIS
- PAINTS
- SOLVENTS
- FERTILIZERS / PESTICIDES
- PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL / FLUIDS)
- ANTIFREEZE / COOLANTS
- WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____

II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH WILL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE, AND ARE A PART OF, THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(g) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.

g. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- PRESERVATION OF MATURE VEGETATION
- VEGETATED BUFFER STRIPS
- PROTECTION OF TREES
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY TURF (SEEDING, CLASS 7)
- TEMPORARY MULCHING
- PERMANENT SEEDING
- EROSION CONTROL BLANKET / MULCHING
- SODDING
- GEOTEXTILES
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED

1. TEMPORARY EROSION CONTROL SEEDING - THIS ITEM WILL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREAS.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

2. PERMANENT SEEDING - SEEDING, CLASS 2 WILL BE INSTALLED PER IDOT SPECIFICATIONS.

3. EROSION CONTROL BLANKETS/MULCHING - EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES AND IN HIGH VELOCITY AREAS (I.E. DITCHES) THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MULCH, METHOD 1 WILL BE APPLIED IN RELATIVELY FLAT AREAS TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE BY THE METHOD SPECIFIED IN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW SEED TO GERMINATE PROPERLY. MULCH, METHOD 2 WILL BE USED ON RELATIVELY FLAT AREAS.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT(CHECK ALL THAT APPLY)

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- STORM DRAIN INLET PROTECTION
- SEDIMENT TRAP
- TEMPORARY PIPE SLOPE DRAIN
- TEMPORARY SEDIMENT BASIN
- TEMPORARY STREAM CROSSING
- STABILIZED CONSTRUCTION EXITS
- TURF REINFORCEMENT MATS
- PERMANENT CHECK DAMS
- PERMANENT SEDIMENT BASIN
- AGGREGATE DITCH
- PAVED DITCH
- ROCK OUTLET PROTECTION
- RIPRAP
- GABIONS
- SLOPE MATTRESS
- RETAINING WALLS
- SLOPE WALLS
- CONCRETE REVETMENT MATS
- LEVEL SPREADERS
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____
- OTHER (SPECIFY) _____

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE BANKS OF PLUM CREEK IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

CONSTRUCT AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

2. STORM DRAIN INLET PROTECTION - INLET AND PIPE PROTECTION WILL BE PROVIDED FOR CULVERTS AND WILL BE CLEANED ON A REGULAR BASIS.

3. TEMPORARY DITCH CHECKS - DITCH CHECKS WILL BE PLACED IN SWALES WHERE RUNOFF VELOCITY IS HIGH. ALL STRUCTURAL PRACTICES ARE SHOWN IN DETAIL ON THE EROSION CONTROL PLANS.

TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FT. FALL/RISE IN DITCH GRADE.

TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3- REMOVE AT END OF CONSTRUCTION.

STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCE WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE (IF SPECIFIED), ENVIROBERM, TRIANGULAR SILT DIKES, GEORIDGE AND ROLLED EXCELSIOR.

4. RIPRAP - THE BRIDGE OPENING WILL BE PROTECTED WITH RR-5 RIPRAP FROM ABUTMENT TO ABUTMENT TO PREVENT EROSION AND SCOURING.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

FILE NAME =	USER NAME = gelnh	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		STORM WATER POLLUTION PREVENTION PLAN				F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 19					
et:\pw\work\NPWIDOT\GELIN\dm51849\pl-000006.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN - HG	REVISED - ---							SCALE: 1" = 20"		SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/10/2008	DATE -	CHECKED - ---	REVISED - ---							CONTRACT NO. 76976									

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.

b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

THE PHASE I LOCATION DRAINAGE STUDY, PERFORMED BY STUDIES AND PLANS HAS DETERMINED THAT NO STORM WATER DETENTION IS REQUIRED FOR THIS PROJECT.

4. OTHER CONTROLS:

a. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- PERIMETER EROSION BARRIER

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOL, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL".

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN.

1. SEEDING - ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS.

2. PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE FENCING IS IN JEOPARDY AND ANY FENCING KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY. THE COST OF THIS MAINTENANCE SHALL BE ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

3. DITCH CHECKS - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE DITCH CHECK IS IN JEOPARDY. ANY DITCH CHECKS WHICH FAIL WILL BE REPAIRED OR REPLACED IMMEDIATELY. THE COST OF THIS MAINTENANCE SHALL BE ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THESE PRACTICES. ALL MAINTENANCE OF EROSION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY IDOT AFTER FINAL INSPECTION. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE, FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENCE OF NON-COMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (SHE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:






1. CONTAINMENT
2. SPILL PREVENTION AND CONTROL
3. USE OF DRIP PANS AND ABSORBENTS
4. AUTOMATIC SHUT-OFF NOZZLES
5. TOPPING OFF RESTRICTIONS
6. LEAK INSPECTION AND REPAIR

F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

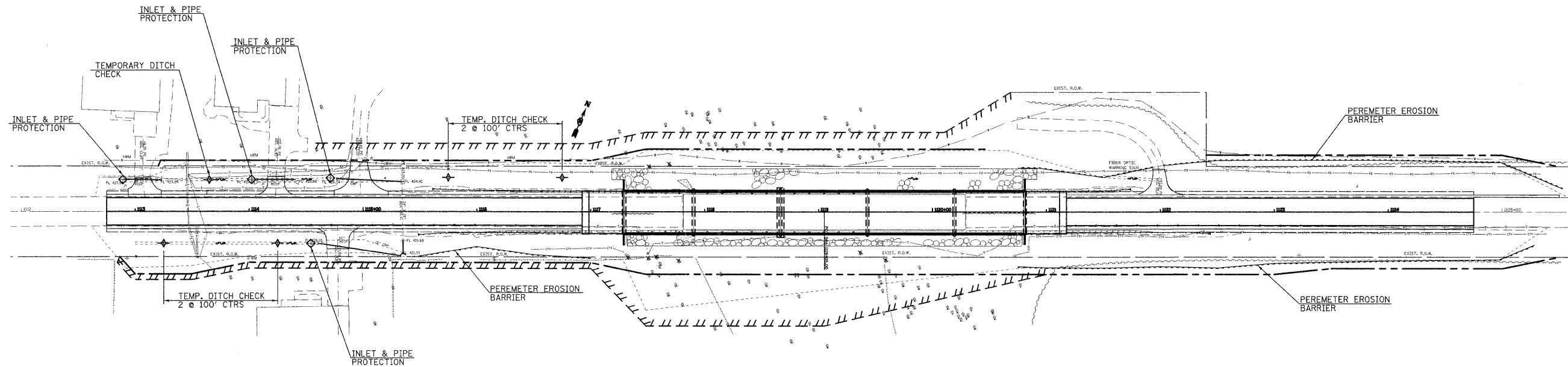
VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

LEGEND

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

FILE NAME = e:\pwwork\NPWIDOT\GELINH\dms51845\p1n00	USER NAME = gelinh 0eas.dgn	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 20	
PLOT SCALE = 50.0000' / 1"	CHECKED - ---	REVISED - ---	SCALE: 1" = 20'			SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT		CONTRACT NO. 76976	
PLOT DATE = 12/18/2008	DATE - -----	REVISED - ---									



TEMPORARY EROSION CONTROL SCHEDULE

LOCATION	RT/LT	TEMPORARY EROSION CONTROL SEEDING (POUND)	MULCH METHOD 1 (ACRE)	PERIMETER EROSION BARRIER (FOOT)	TEMP. DITCH CHECK (EACH)	INLET & PIPE PROTECTION (EACH)
1112+61.50 TO 1125+60.00	LT	125.56	1.40			
1112+61.50 TO 1125+60.00	RT	144.82	1.61			
1113+09.75	PE LT					1
1113+25.00	RT				1	
1113+65.00	LT				1	
1114+22.76	PE LT					1
1114+25.00	RT				1	
1114+77.66	PE RT					1
1114+98.40	PE LT					1
1115+50.00 TO 1117+00.00	RT			151.5		
1115+75.00	LT				1	
1116+75.00	LT				1	
1120+75.00 TO 1121+93.16	LT			119.5		
1120+75.00 TO 1125+28.00	RT			456.0		
1122+03.00 TO 1125+52.75	LT			355.0		
TOTAL		270.38	*3.01	1082.0	5	4

NOTE: QUANTITIES FOR TEMP. EROSION CONTROL SEEDING AND MULCH METHOD 1 ARE FOR STAGE 1 & 2.

*NOT A TOTAL QUANTITY (SEE SEEDING SCHEDULE ON SHEET 8)

PART OF THE S 12 OF THE SW 14 SECTION 11, T1N, R5W, OF THE 3RD PM, CLINTON COUNTY, ILLINOIS

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 1/24/2008.

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

POINT NO.	STATION	OFFSET	NORTH	EAST
1	1122+56.00	15.17' RT	683,223.2084	451,489.5275
2	1114+58.00	22.95' LT	683,047.5148	450,979.3788
3	1114+53.47	20.19' RT	682,987.6030	450,714.9851
4	1107+10.70		682,653.9588	450,115.8421
5	1129+05.00		683,095.0399	451,159.1784
6	1120+32.34		683,547.3894	452,196.1117

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PREVIOUSLY DEDICATED		REMAINING ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY					
			ACRES	SQ. FT.		PERMANENT TO TEMPORARY	EASEMENT PURPOSE							
8821021	LEONARD L. ROLVES & LINDA M. ROLVES (SEE SHEET 2)							11-10-11-302-034 & 11-10-11-302-005						
8821022	RYAN J. KALVER & SARAH L. KALVER (SEE SHEET 2)							11-10-11-301-009						
8821023	ROBERT D. ROLVES & CAROL ROLVES (SEE SHEET 2)							11-10-11-302-002						
8821024	DOROTHY MUSENBROCK AS TRUSTEE UNDER TRUST AGREEMENT DATED AUGUST 29, 1996 KNOWN AS DOROTHY MUSENBROCK FAMILY LAND TRUST TITLE COM. NO. 18-2507CT-245.0	31.066	0.415	6,157	N/A	N/A	0.143	6,157	50,8647	0.2265	9,568	SHAPING & GRADING	11-10-11-302-027	

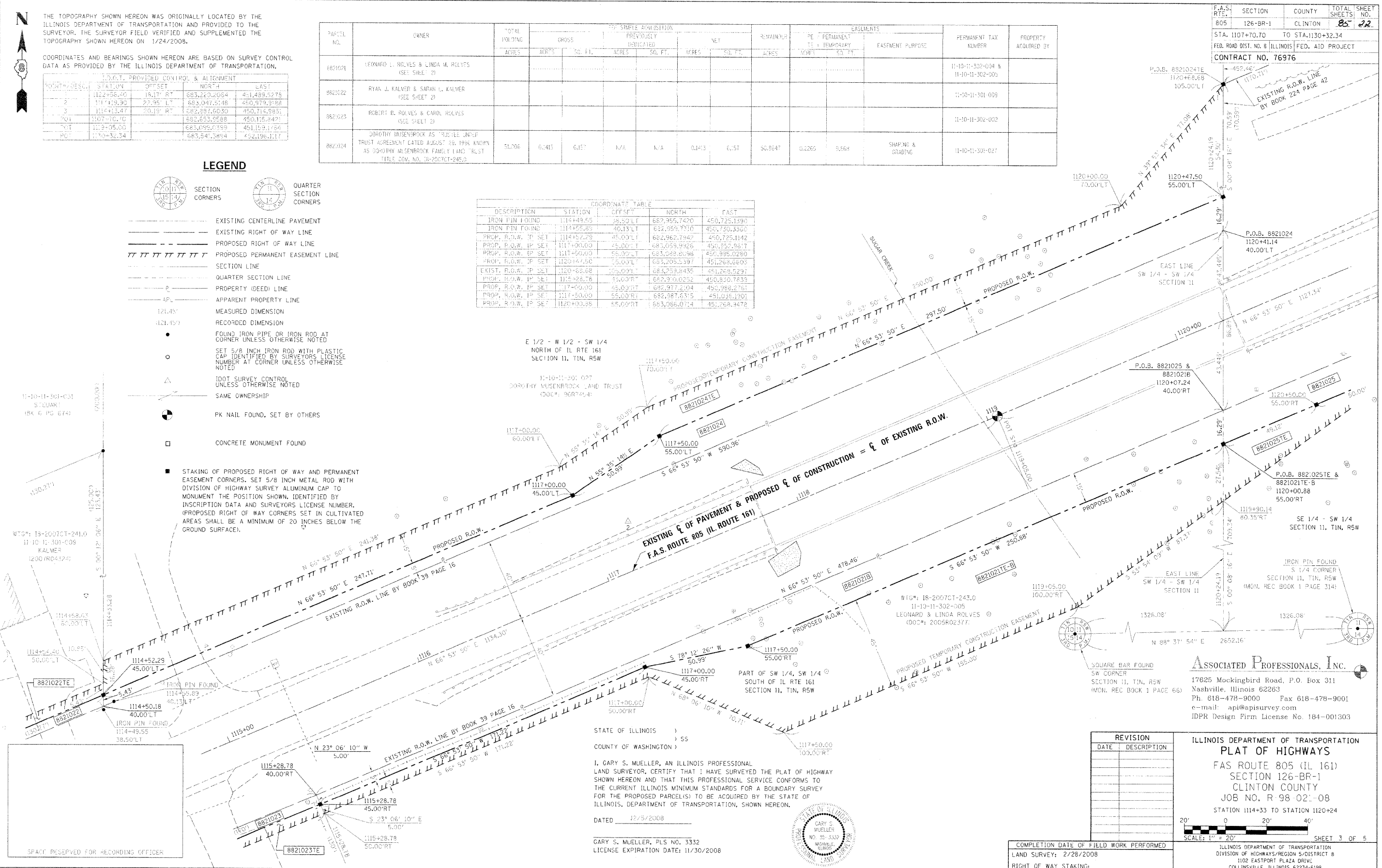
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	22

STA. 1107+70.70 TO STA. 1130+32.34
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT
CONTRACT NO. 76976

- LEGEND**
- EXISTING CENTERLINE PAVEMENT
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED PERMANENT EASEMENT LINE
 - SECTION LINE
 - QUARTER SECTION LINE
 - PROPERTY (DEED) LINE
 - APPEARANT PROPERTY LINE
 - MEASURED DIMENSION
 - RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
 - SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
 - IDOT SURVEY CONTROL UNLESS OTHERWISE NOTED
 - SAME OWNERSHIP
 - PK NAIL FOUND, SET BY OTHERS
 - CONCRETE MONUMENT FOUND
 - STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

COORDINATE TABLE

DESCRIPTION	STATION	OFFSET	NORTH	EAST
IRON PIN FOUND	1114+49.55	38.50' LT	682,955.7420	450,725.1390
IRON PIN FOUND	1114+55.89	40.13' LT	682,959.7710	450,730.3300
PROP. R.O.W. TP SET	1114+52.29	45.00' LT	682,962.7947	450,725.1142
PROP. R.O.W. TP SET	1117+00.00	45.00' LT	683,059.9926	450,952.9817
PROP. R.O.W. TP SET	1117+50.00	55.00' LT	683,088.8096	450,995.0280
PROP. R.O.W. TP SET	1120+14.50	55.00' LT	683,205.2397	451,268.6603
EXIST. R.O.W. TP SET	1120+08.68	105.00' LT	683,259.8435	451,268.6297
PROP. R.O.W. TP SET	1115+28.78	15.00' RT	682,910.0232	450,830.7839
PROP. R.O.W. TP SET	1117+00.00	45.00' RT	682,977.2304	450,988.2781
PROP. R.O.W. TP SET	1117+50.00	55.00' RT	682,987.6315	451,036.1201
PROP. R.O.W. TP SET	1120+03.88	55.00' RT	683,086.0714	451,268.9478



STATE OF ILLINOIS)
COUNTY OF WASHINGTON) SS

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

DATED 12/5/2008

GARY S. MUELLER, PLS NO. 3332
LICENSE EXPIRATION DATE: 11/30/2008

ASSOCIATED PROFESSIONALS, INC.
17625 Mockingbird Road, P.O. Box 311
Nashville, Illinois 62263
Ph. 618-478-9000 Fax 618-478-9001
e-mail: api@apisurvey.com
IDPR Design Firm License No. 184-001303

REVISION

DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 805 (IL 161)
SECTION 126-BR-1
CLINTON COUNTY
JOB NO. R-98-021-08
STATION 1114+33 TO STATION 1120+24

SCALE: 1" = 20'

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 2/28/2008
RIGHT OF WAY STAKING:

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

05/26/08-shr3-rcwplan.dgn 12/11/2008 11:00:15 AM

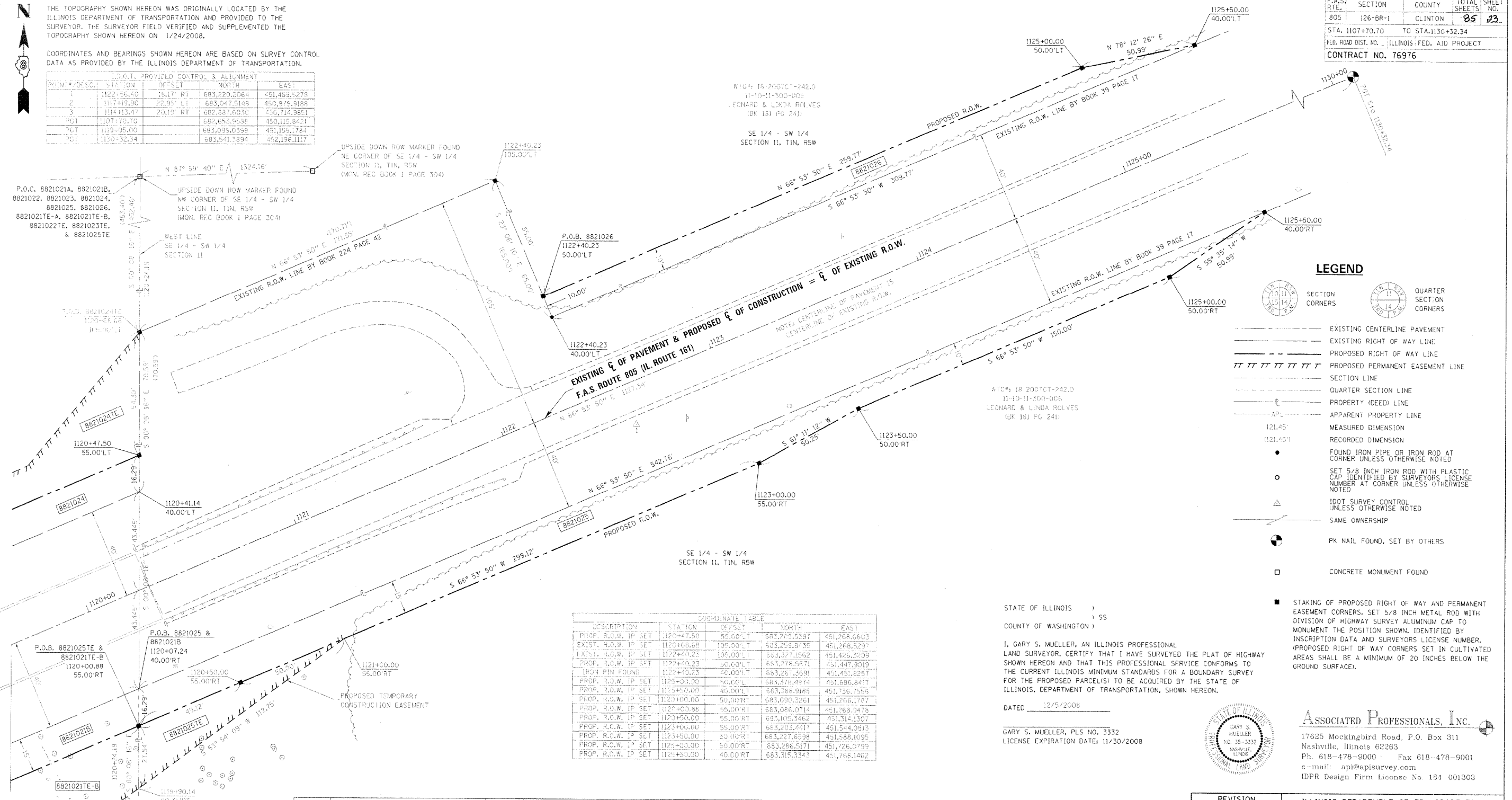
PART OF THE S 1/2 OF THE SW 1/4 OF SECTION 11, T1N, R5W, OF THE 3RD PM, CLINTON COUNTY, ILLINOIS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	25	23
STA. 1107+70.70		TO STA. 1130+32.34		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76976				

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR, THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 1/24/2008.

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

POINT #	STATION	OFFSET	NORTH	EAST
1	1122+186.40	25.17' RT	683,229.2064	451,483.5278
2	1117+19.96	22.95' LT	683,047.6148	450,979.9188
3	1114+13.17	20.19' RT	682,887.6030	450,714.9551
PC1	1107+70.70		682,653.9588	450,115.8421
PT	1119+05.00		683,095.0395	451,109.1784
PI	1150+32.34		683,541.3894	452,196.1117



- LEGEND**
- EXISTING CENTERLINE PAVEMENT
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED PERMANENT EASEMENT LINE
 - SECTION LINE
 - QUARTER SECTION LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - MEASURED DIMENSION
 - RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
 - SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
 - JDOT SURVEY CONTROL UNLESS OTHERWISE NOTED
 - SAME OWNERSHIP
 - PK NAIL FOUND, SET BY OTHERS
 - CONCRETE MONUMENT FOUND
 - STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

COORDINATE TABLE

DESCRIPTION	STATION	OFFSET	NORTH	EAST
PROP. R.O.W. IP SET	1120+47.50	55.00' LT	683,205.5397	451,268.6603
EXIST. R.O.W. IP SET	1120+68.88	105.00' LT	683,259.8735	451,268.5293
EXIST. R.O.W. IP SET	1122+40.23	105.00' LT	683,327.1562	451,426.3209
PROP. R.O.W. IP SET	1122+40.23	50.00' LT	683,378.5671	451,447.8019
IRON PIN FOUND	1122+40.23	40.00' LT	683,267.5691	451,451.8257
PROP. R.O.W. IP SET	1125+00.00	50.00' LT	683,378.4974	451,696.8417
PROP. R.O.W. IP SET	1125+00.00	40.00' LT	683,368.9185	451,736.7556
PROP. R.O.W. IP SET	1120+100.00	50.00' RT	683,090.3261	451,266.1707
PROP. R.O.W. IP SET	1120+07.24	55.00' RT	683,086.0714	451,768.9476
PROP. R.O.W. IP SET	1120+50.00	55.00' RT	683,105.3462	451,314.1307
PROP. R.O.W. IP SET	1123+00.00	55.00' RT	683,203.4417	451,544.0813
PROP. R.O.W. IP SET	1123+50.00	50.00' RT	683,227.6598	451,588.1095
PROP. R.O.W. IP SET	1125+00.00	50.00' RT	683,286.5171	451,726.0799
PROP. R.O.W. IP SET	1125+30.00	40.00' RT	683,316.3343	451,766.1462

STATE OF ILLINOIS)
COUNTY OF WASHINGTON) SS

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

DATED 12/5/2008

GARY S. MUELLER, PLS NO. 3332
LICENSE EXPIRATION DATE: 11/30/2008



ASSOCIATED PROFESSIONALS, INC.
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Nashville, Illinois 62263
Ph. 618-478-9000 Fax 618-478-9001
e-mail: api@apisurveyor.com
IDPR Design Firm License No. 184 001303

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY		
			GROSS ACRES	PREVIOUSLY DEDICATED ACRES	NET ACRES	RESIDUAL ACRES		PERMANENT ACRES	TEMPORARY ACRES				
8821021	LEONARD L. ROLVES & LINDA M. ROLVES (SEE SHEET 2)									11-10-11-302-004 & 11-10-11-302-005			
8821024	DOROTHY MUSENBROCK AS TRUSTEE OF DOROTHY MUSENBROCK FAMILY LAND TRUST (SEE SHEET 3)									11-10-11-301-027			
8821025	LEONARD L. ROLVES & LINDA M. ROLVES, HUSBAND & WIFE, AS JOINT TENANTS 18-2007CT-242.0	1.827	0.1564	6,814	N/A	N/A	0.1564	6,814	7.6706	0.0288	1,256	11-10-11-300-006	SHAPING & GRADING
8821026	LEONARD L. ROLVES & LINDA M. ROLVES, HUSBAND & WIFE, AS JOINT TENANTS 18-2007CT-242.0	20.111	0.0654	2,847	N/A	N/A	0.0654	2,847	30.0456			11-10-11-300-005	

REVISION

DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 805 (IL 161)
SECTION 126-BR-1
CLINTON COUNTY
JOB NO. R-98-021-08
STATION 1120+24.19 TO STATION 1125+50
SCALE: 1" = 20'
SHEET 4 OF 5
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINGSVILLE, ILLINOIS 62234-6198
SHEET 1 IS A COVER SHEET

ROUTE IL 161 CONSTRUCTION SECTION 126-BR-1 CLINTON COUNTY
JOB # R-98-021-08
PART OF SECTION 11, T. 1N., R. 5 W. OF THE 3RD P.M.

PART OF THE SW 14 OF SECTION 11, T1N, R5W, OF THE 3RD PM, CLINTON COUNTY, ILLINOIS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	84
STA. 1107+70.70 TO STA. 1130+32.34				
FED. ROAD DIST. NO. 8 (ILLINOIS) FED. AID PROJECT				
CONTRACT NO. 76976				

LEGEND

- SECTION CORNERS
- QUARTER SECTION CORNERS
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
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- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
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- IODT SURVEY CONTROL UNLESS OTHERWISE NOTED
- SAME OWNERSHIP
- PK NAIL FOUND, SET BY OTHERS
- CONCRETE MONUMENT FOUND
- STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS, SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

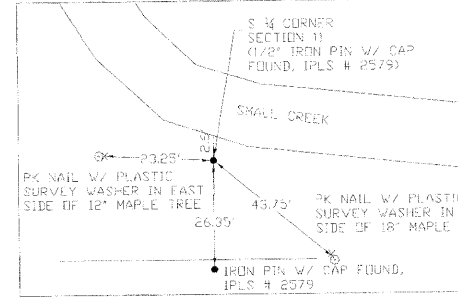
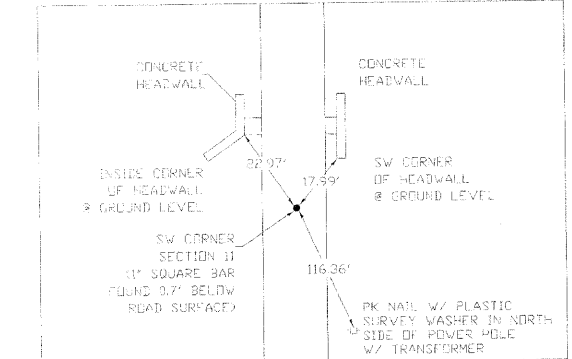
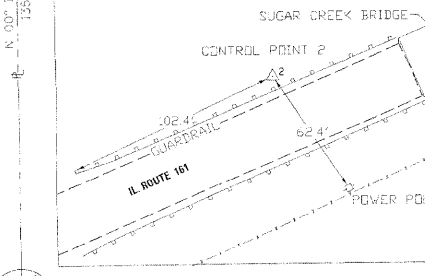
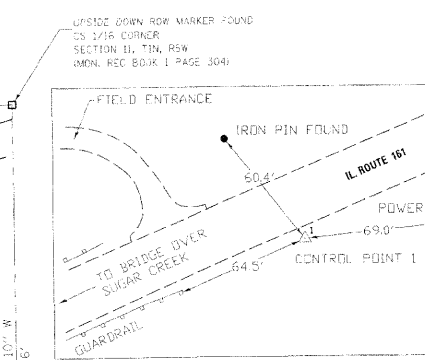
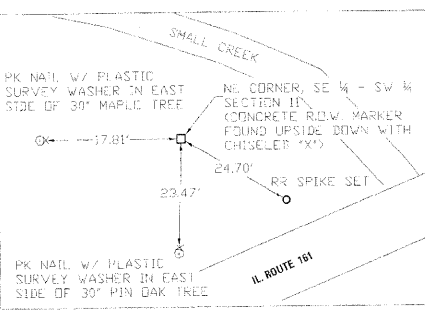
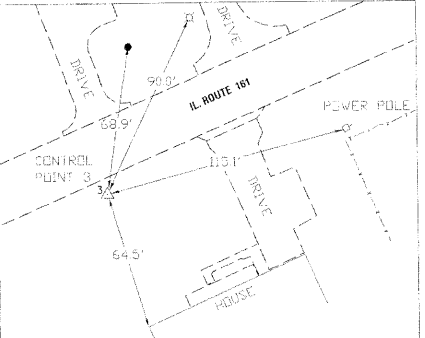
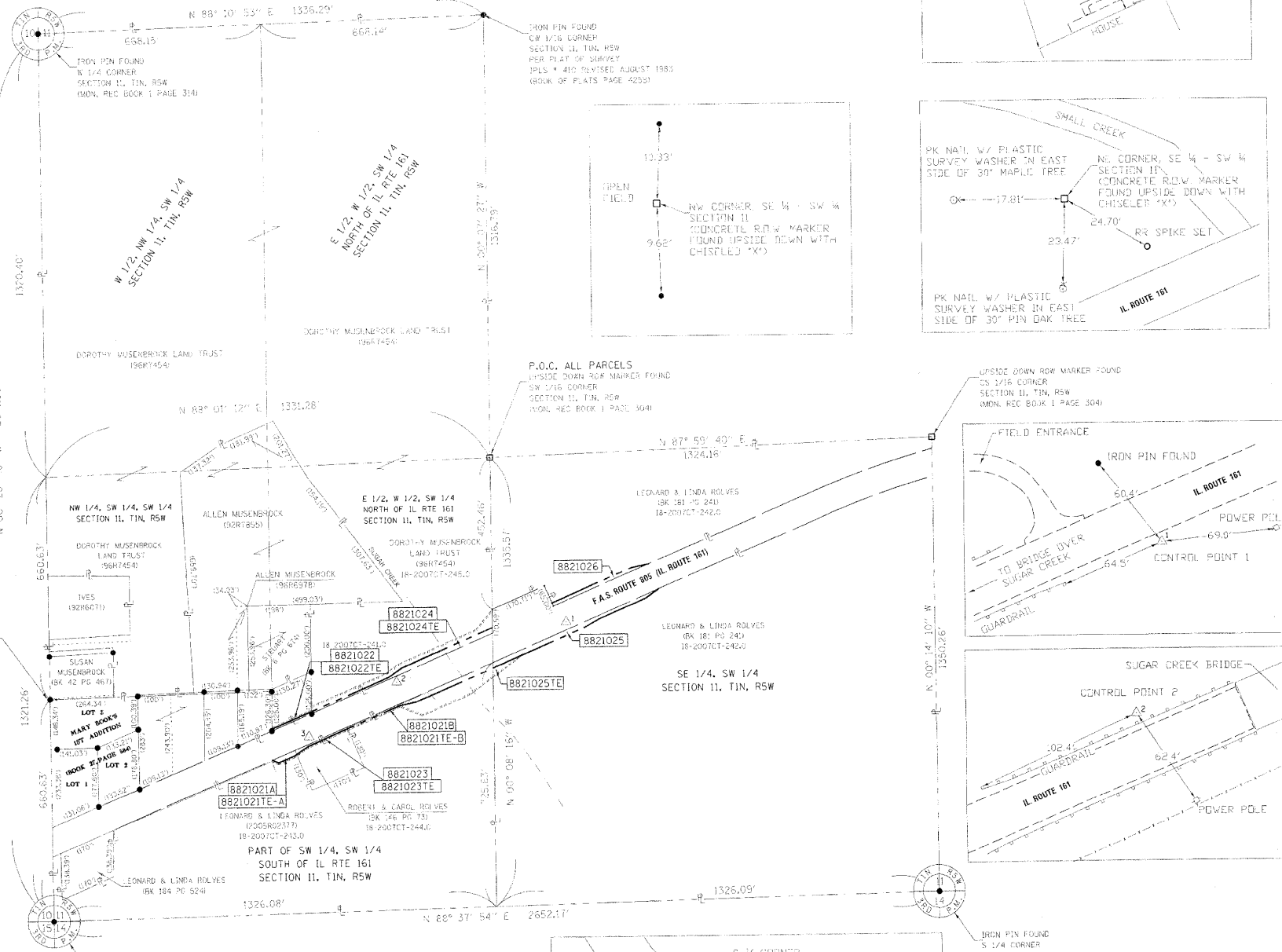
COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

POINT	STATION	OFFSET	NORTH	EAST
1	112456.40	14.1' RT	683,220.2064	451,483.5276
2	111745.00	22.89' LT	683,047.5148	450,879.9188
3	110453.47	20.19' RT	682,887.6030	450,714.9551
POB	1107+70.70		682,653.9588	450,110.8421
POI	1109+05.00		683,099.0399	451,159.1784
POE	113012.34		683,541.3694	452,196.1111

DESCRIPTION	STATION	OFFSET	COORDINATE TABLE	
			NORTH	EAST
PROP. R.O.W. TP SET	1123+50.00	50.00' RT	683,227.6598	451,588.1095
PROP. R.O.W. TP SET	1125+00.00	50.00' RT	683,266.5171	451,726.0799
PROP. R.O.W. TP SET	1125+50.00	40.00' RT	683,215.3343	451,768.1467
PROP. R.O.W. TP SET	1115+28.76	45.00' RT	682,910.0252	450,930.7839
PROP. R.O.W. TP SET	1114+58.76	53.24' RT	682,835.7306	450,877.1526
PROP. R.O.W. TP SET	1120+00.88	50.28' RT	683,051.7896	451,268.9355
PROP. R.O.W. TP SET	1114+52.29	45.00' LT	682,962.7942	450,775.1142
PROP. R.O.W. TP SET	1122+40.23	40.00' LT	683,267.6691	451,451.8297
PROP. R.O.W. TP SET	1113+19.40	40.00' LT	682,905.6585	450,693.9217
EXIST. C.O.W. TP SET	1120+00.00	105.00' LT	683,259.8435	451,268.5297
EXIST. C.O.W. TP SET	1122+40.23	105.00' LT	683,227.1562	451,226.3209
PROP. R.O.W. TP SET	1120+50.00	55.00' RT	683,105.3462	451,314.1307
PROP. R.O.W. TP SET	1123+00.00	55.00' RT	683,203.4417	451,544.0812

TOTAL HOLDING SKETCH

DESCRIPTION	STATION	OFFSET	NORTH	EAST
SQUARE BAR FOUND	1112+07.20	70.00' LT	682,000.0628	450,501.7228
1/4" IRON CORNER			682,912.3259	450,204.1771
MARY BOOK'S ADD. SQUARE BAR FOUND			682,325.0750	449,944.9500
SW CORN. SECT. II			684,966.6840	449,928.9660
1/4" W 1/4 CORNER			682,683.7910	450,982.9850
SW CORNER LOT 2				
MARY BOOK'S ADD. IRON PIN FOUND	1114+58.89	43.13' LT	682,959.7310	450,730.3360
IRON PIN FOUND			682,408.4030	452,596.3590
SW CORN. SECT. II CONCL. IRON FOUND			687,712.3060	451,267.9410
SW 1/16 CORN. SECT. II CONCL. IRON FOUND			683,758.6480	452,590.7940
SW 1/16 CORN. SECT. II CONCL. IRON FOUND				
IRON PIN FOUND	1113+68.04	147.57' LT	683,023.2945	450,605.5310
IRON PIN FOUND	1114+80.31	228.03' LT	683,024.4270	450,403.1330
IRON PIN FOUND	1122+73.89	132.03' LT	683,028.0890	450,507.3470
IRON PIN FOUND	109137.51	229.88' LT	683,078.9180	450,203.2450
1/4" W CORNER LOT 2 MARY BOOK'S ADD. IRON PIN FOUND	1114+40.55	38.30' LT	682,995.7420	450,729.1390
IRON PIN FOUND	1114+98.21	153.70' LT	683,080.7300	450,774.0290
1/4" W CORNER LOT 2 MARY BOOK'S ADD. IRON PIN FOUND	1109+192.02	296.20' LT	683,011.2690	450,203.2490
1/4" W CORNER LOT 2 MARY BOOK'S ADD. IRON PIN FOUND			683,005.6370	449,841.0660
IRON PIN FOUND			683,006.2350	449,959.0990
IRON PIN FOUND			685,029.0690	451,264.5580
PROP. R.O.W. TP SET	1125+50.00	40.00' LT	683,398.9185	451,736.7556
PROP. R.O.W. TP SET	1125+00.00	50.00' LT	683,378.4974	451,686.8417
PROP. R.O.W. TP SET	1122+40.23	50.00' LT	683,276.5671	451,447.9019
PROP. R.O.W. TP SET	1120+147.50	45.00' LT	683,205.5397	451,268.6603
PROP. R.O.W. TP SET	1117+50.00	55.00' LT	683,088.2098	450,955.0280
PROP. R.O.W. TP SET	1117+00.00	45.00' LT	683,059.9926	450,952.9617
PROP. R.O.W. TP SET	1113+20.61	45.00' LT	682,911.1201	450,693.9565
PROP. R.O.W. TP SET	1112+46.39	40.00' RT	682,819.5130	450,605.8675
PROP. R.O.W. TP SET	1113+00.00	55.00' RT	682,811.0595	450,624.2791
PROP. R.O.W. TP SET	1113+50.00	55.00' RT	682,830.6786	450,670.2692
PROP. R.O.W. TP SET	1114+00.00	45.00' RT	682,899.4958	450,712.3355
PROP. R.O.W. TP SET	1117+00.00	45.00' RT	682,877.2104	450,888.2761
PROP. R.O.W. TP SET	1117+50.00	55.00' RT	682,967.6315	451,038.1901
PROP. R.O.W. TP SET	1120+00.88	55.00' RT	683,086.0714	451,268.9478



SPACE RESERVED FOR RECORDING OFFICER

REVISION	DATE	DESCRIPTION

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAS ROUTE 805 (IL 161)
 SECTION 126-BR-1
 CLINTON COUNTY
 JOB NO. R-98-C21-08
 STATION 1107+70.70 TO STATION 1130+32.34

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 2-28-2008
 RIGHT OF WAY STAKING:

SCALE: 1" = 200'

SHEET 5 OF 5

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198
 SHEET 1 IS A COVER SHEET

06769V-045-cwoplmi.dgn 12/11/2008 11:05:51 AM

PART OF THE S 12 OF THE SW 14 OF SECTION 11, T1N, R5W, OF THE 3RD PM, CLINTON COUNTY, ILLINOIS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
605	126-BR-1	CLINTON	85	25
STA. 1107+70.70 TO STA. 1130+32.34				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76976				

THE TOPOGRAPHY SHOWN HEREON WAS ORIGINALLY LOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND PROVIDED TO THE SURVEYOR. THE SURVEYOR FIELD VERIFIED AND SUPPLEMENTED THE TOPOGRAPHY SHOWN HEREON ON 1/24/2008.

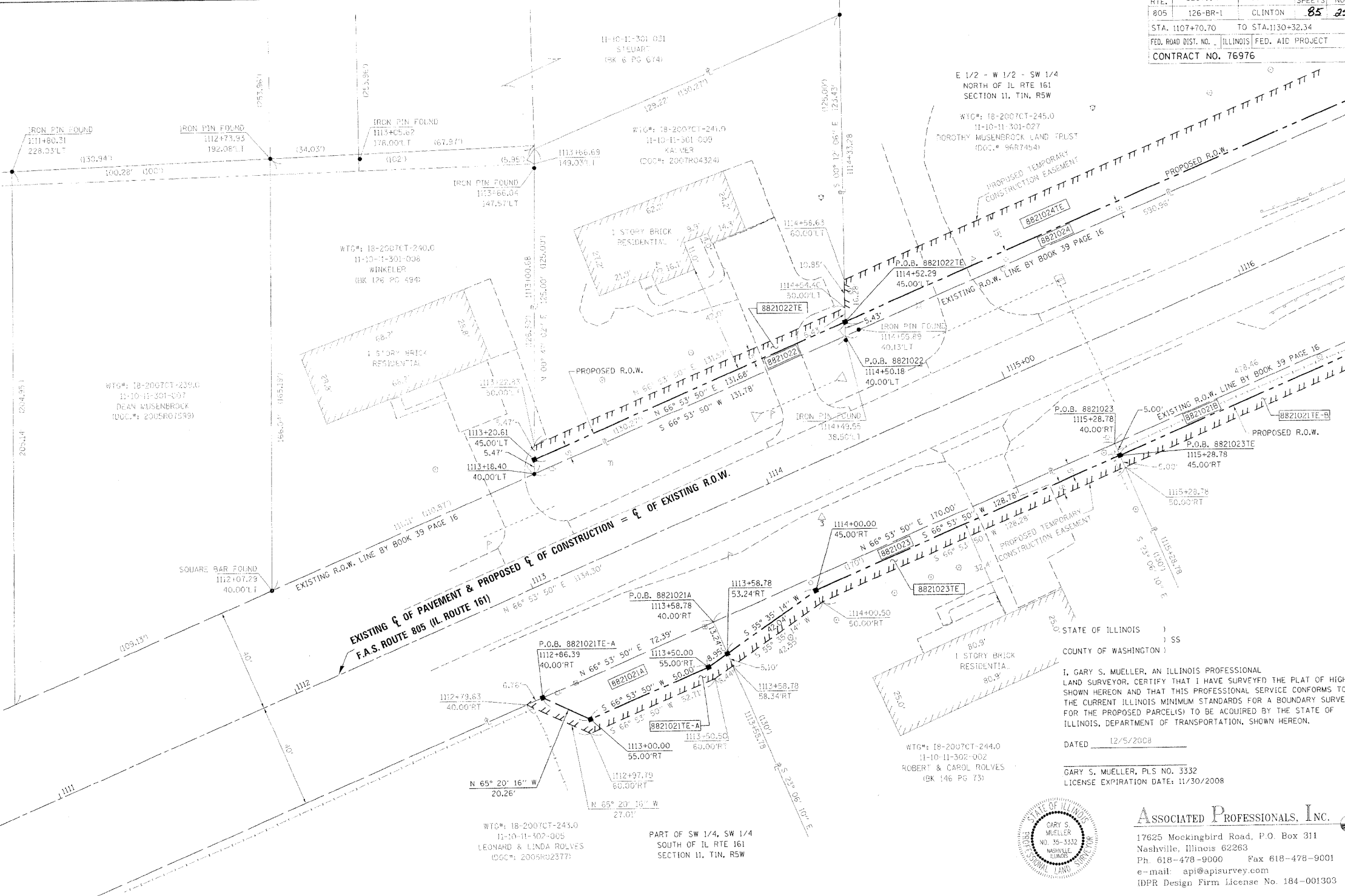
COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

POINT # / DESC.	STATION	OFFSET		COORDINATE	
		NORTH	EAST	NORTH	EAST
1	112+456.40	28.17' RT	683,270.2064	451,489.5278	
2	117+439.30	22.95' LT	683,047.5748	450,279.2188	
3	114+413.47	20.19' RT	682,331.6030	450,174.9931	
4	107+470.70		682,853.9588	450,115.8421	
5	119+405.00		683,098.0399	451,129.1781	
6	1130+32.34		683,541.3894	452,196.1117	

DESCRIPTION	STATION	OFFSET	NORTH	EAST
SQUARE BAR FOUND	1112+07.29	40.00' LT	682,862.0608	450,601.7228
IRON PIN FOUND	1113+16.40	40.00' LT	682,905.4583	450,603.9217
IRON PIN FOUND	1114+43.53	38.50' LT	682,958.7420	450,725.1390
IRON PIN FOUND	1114+55.89	40.13' LT	682,959.7310	450,730.3360
PROP. R.O.W. TP SET	1114+52.23	45.00' LT	682,911.1291	450,603.3965
PROP. R.O.W. TP SET	1112+452.23	45.00' LT	682,962.7942	450,725.1142
PROP. R.O.W. TP SET	1112+450.35	40.00' LT	682,819.5132	450,605.8675
PROP. R.O.W. TP SET	1113+400.00	35.00' RT	682,811.2595	450,624.2791
PROP. R.O.W. TP SET	1113+50.00	35.00' RT	682,330.8785	450,670.2692
PROP. R.O.W. TP SET	1113+58.78	33.24' RT	682,335.1366	450,677.6576
PROP. R.O.W. TP SET	1114+00.00	45.00' RT	682,859.4958	450,712.3354
PROP. R.O.W. TP SET	1115+28.78	45.00' RT	682,910.0262	450,870.7839

LEGEND

- QUARTER SECTION CORNERS
- SECTION CORNERS
- EXISTING CENTERLINE PAVEMENT
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYOR'S LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- DOT SURVEY CONTROL UNLESS OTHERWISE NOTED
- SAME OWNERSHIP
- PK NAIL FOUND, SET BY OTHERS
- CONCRETE MONUMENT FOUND
- STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS, SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).



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

DATED 12/5/2008
 GARY S. MUELLER, PLS NO. 3332
 LICENSE EXPIRATION DATE: 11/30/2008



ASSOCIATED PROFESSIONALS, INC.
 17625 Mockingbird Road, P.O. Box 311
 Nashville, Illinois 62263
 Ph 618-478-9000 Fax 618-478-9001
 e-mail: api@apisurvey.com
 IDPR Design Firm License No. 184-001303

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION PREVIOUSLY DECATED				REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS		NET			PE - PERMANENT	TE - TEMPORARY			
			ACRES	SQ. FT.	ACRES	SQ. FT.		ACRES	SQ. FT.			ACRES
8821021	LEONARD L. ROLVES & LINDA M. ROLVES, HUSBAND & WIFE, AS JOINT TENANTS TITLE COM. NO. 18-2007CT-242.0	12.964	A 0.0224 B 0.1186	A 976 B 5,166	N/A N/A	A 0.0224 B 0.1186	A 976 B 5,166	12.8070	TE-A 0.0098 TE-B 0.2803	TE-A 418 TE-B 12,217	SHAPING & GRADING	11-10-11-302-004 & 11-10-11-302-005
8821022	RYAN J. KALMER & SARAH L. KALMER, HUSBAND & WIFE, AS JOINT TENANTS TITLE COM. NO. 18-2007CT-241.0	0.342	0.0151	661	N/A	0.0151	661	0.3269	0.0151	668	ENTRANCE, SHAPING & GRADING	11-10-11-301-009
8821023	ROBERT B. ROLVES & CAROL ROLVES, HUSBAND & WIFE, IN JOINT TENANCY TITLE COM. NO. 18-2007CT-244.0	0.507	0.0234	1,019	N/A	0.0234	1,019	0.4836	0.0196	854	ENTRANCE, SHAPING & GRADING	11-10-11-302-002

REVISION	
DATE	DESCRIPTION

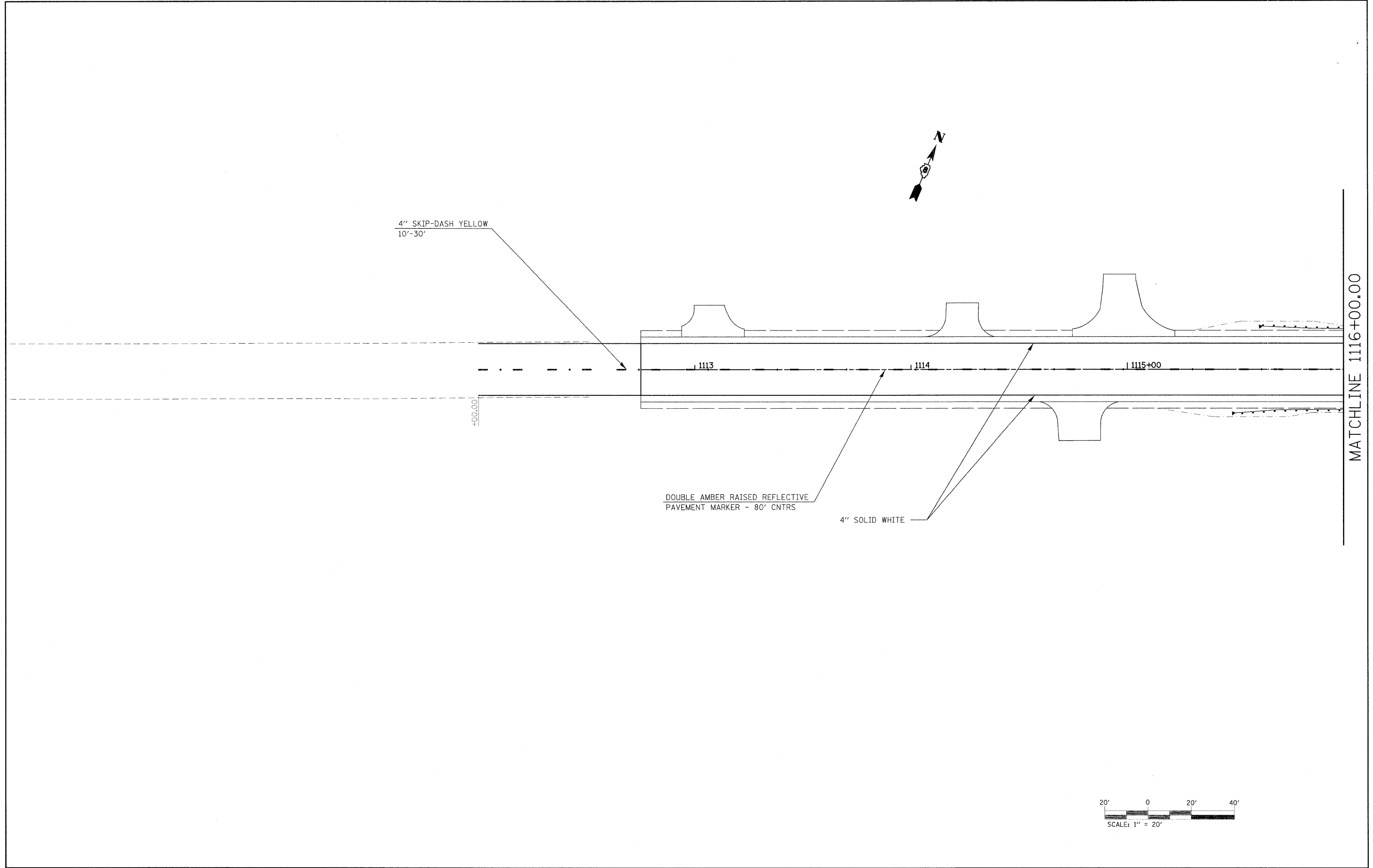
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAS ROUTE 805 (IL 161)
 SECTION 126-BR-1
 CLINTON COUNTY
 JOB NO. R-98-021-08
 STATION 1107+70 TO STATION 1115+28

SCALE: 1" = 20'

COMPLETION DATE OF FIELD WORK PERFORMED: 2/28/2008
 LAND SURVEY: 2/28/2008
 RIGHT OF WAY STAKING:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT B
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198
 SHEET 1 IS A COVER SHEET

PLAT DATE = 12-8-08
 FILE NAME = 88-095W01
 PLOT SCALE = 1"=20'
 USER NAME = JAU



FILE NAME =
 c:\pw_work\p\midot\gelinh\dms51845\Stage

USER NAME = gelinh
 and Pmnt Mkg.dgn
 PLOT SCALE = 20.0000 ' / IN.
 PLOT DATE = 12/9/2008

DESIGNED - ___
 DRAWN - ___
 CHECKED - ___
 DATE - _____

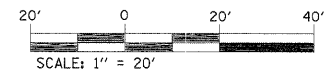
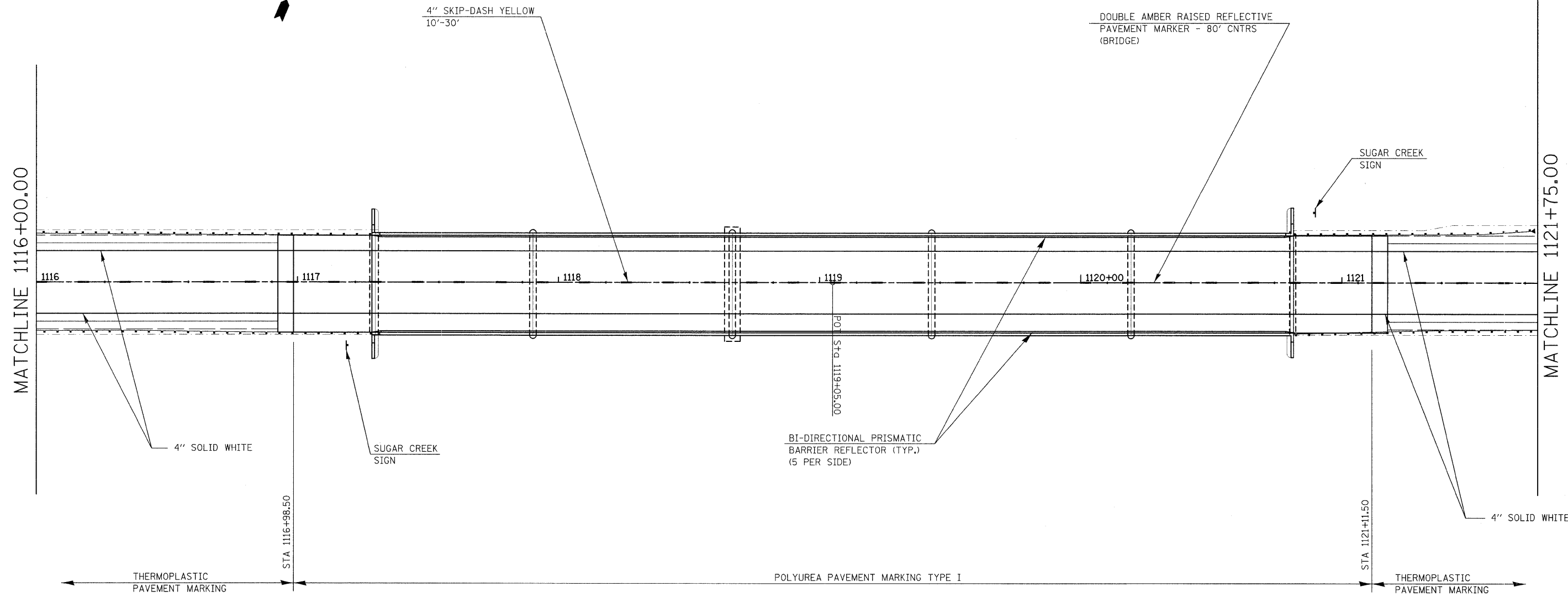
REVISED - ___
 REVISED - ___
 REVISED - ___
 REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
 DETAILS**

SCALE: 1" = 20" SHEET NO. ___ OF ___ SHEETS STA. 1110+00.00 TO STA. 1116+00.00

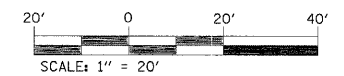
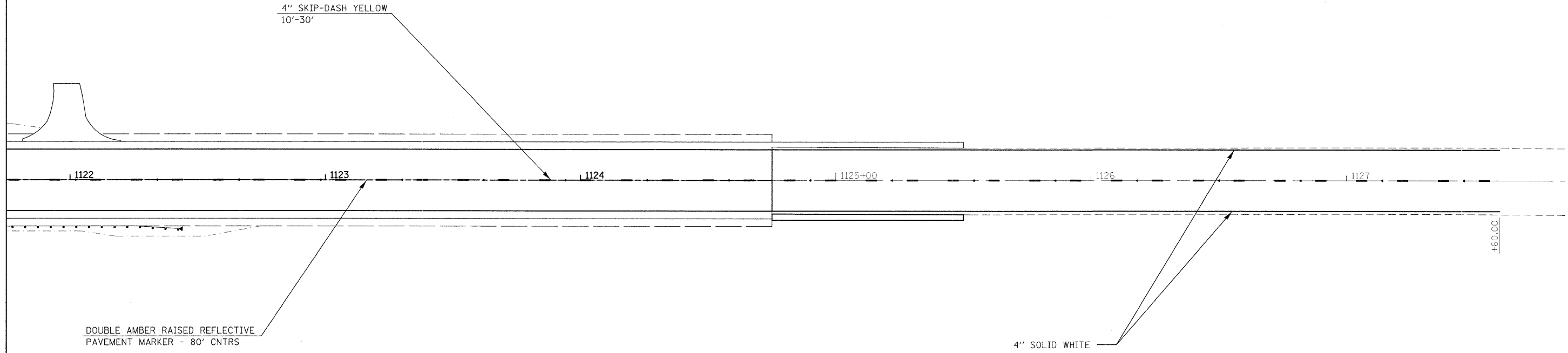
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	27
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



FILE NAME = c:\pw_work\pwt\dms51845\Stage	USER NAME = gelnh	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS		F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 28
	PLOT SCALE = 20.0000' / IN.	CHECKED - ---	REVISED - ---				CONTRACT NO. 76976				
	PLOT DATE = 12/9/2008	DATE - ---	REVISED - ---		SCALE: 1" = 20"	SHEET NO. ___ OF ___ SHEETS	STA. 1116+00.00 TO STA. 1121+75.00	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			



MATCHLINE 1121+75.00



FILE NAME = or:\pw_work\pwidot\gelinh\dms51845\Stage	USER NAME = gelinh end Pmnt.Mkg.dgn	DESIGNED - ___ DRAWN - ___	REVISED - ___ REVISED - ___
	PLOT SCALE = 20.0000' / IN. PLOT DATE = 12/9/2008	CHECKED - ___ DATE - ___	REVISED - ___ REVISED - ___

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVMENT MARKING DETAILS		
SCALE: 1" = 20'	SHEET NO. ___ OF ___ SHEETS	STA. 1121+75.00 TO STA. 1128+00.00

F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 29
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTES

**Contractor is to verify beam length prior to ordering material. Other sections meeting the section modulus requirements shown may be allowed subject to approval by the Bureau of Bridges and Structures. Maximum Girder depth = 33". No additional payment will be allowed if the contractor chooses a heavier steel section than the one specified in the plans

* \varnothing Transverse tie \varnothing 's (3 per span). Place additional shims at midpoints between tie \varnothing 's. Securely weld shims to top flange of support beam. Minimum shim size is 6" x flange width.

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

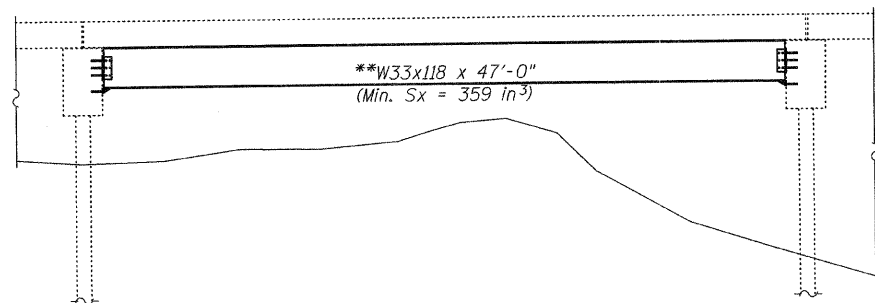
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

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

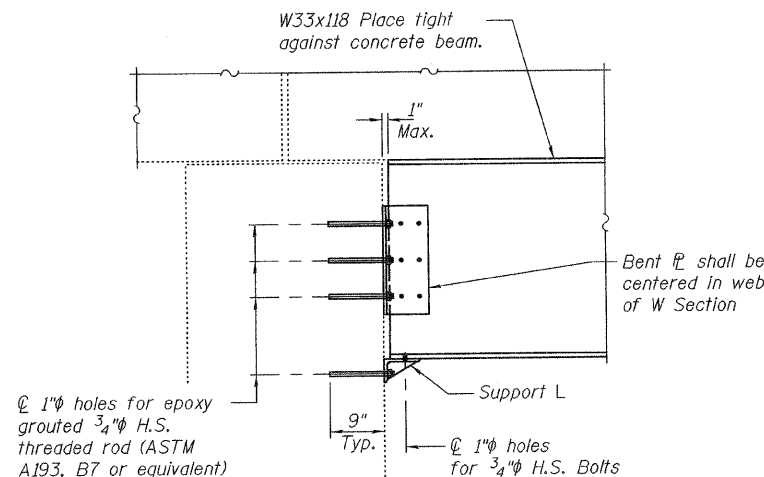
See Section 584 of the Standard Specifications for Epoxy Grouting of Threaded Rods; Minimum embedment 9".

If the contractor's procedure for placement of beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams.

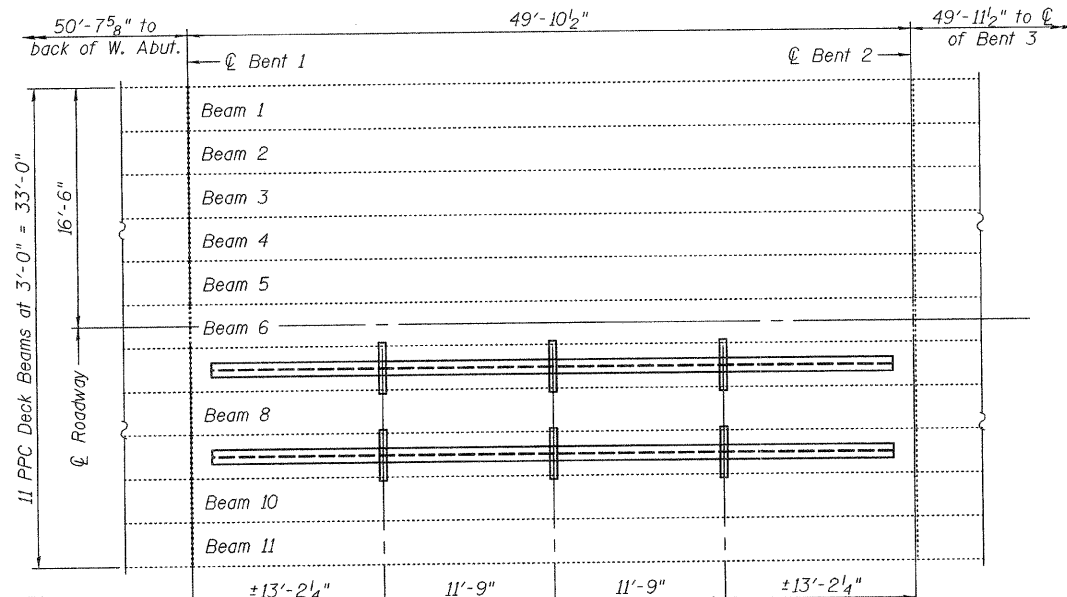
The cost of epoxy grouting threaded rods on the pier cap, abutments and beams shall be included with Furnishing and Erecting Structural Steel.



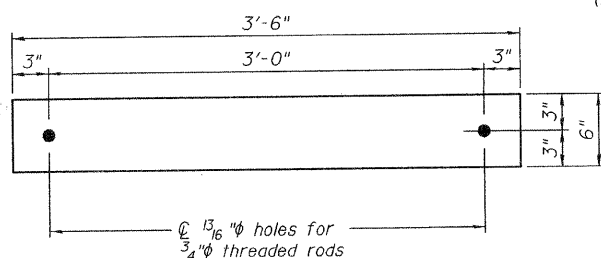
ELEVATION



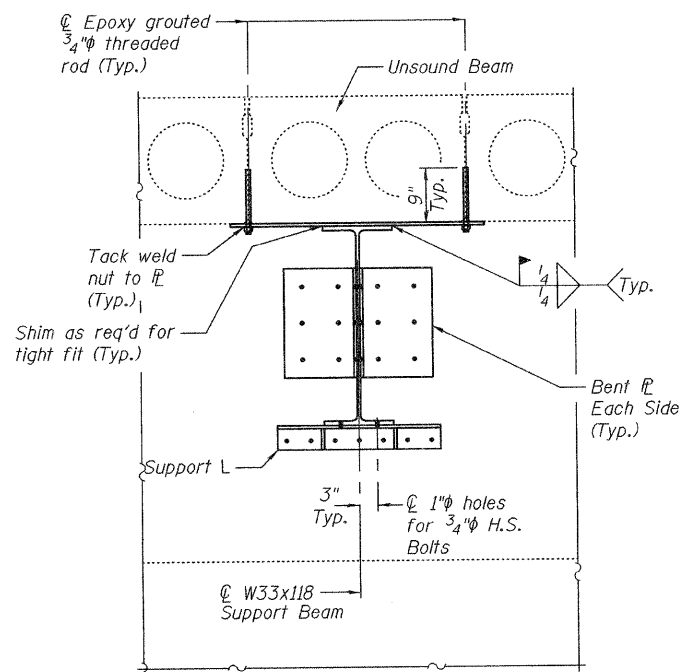
TYPICAL SECTION AT ABUTMENT



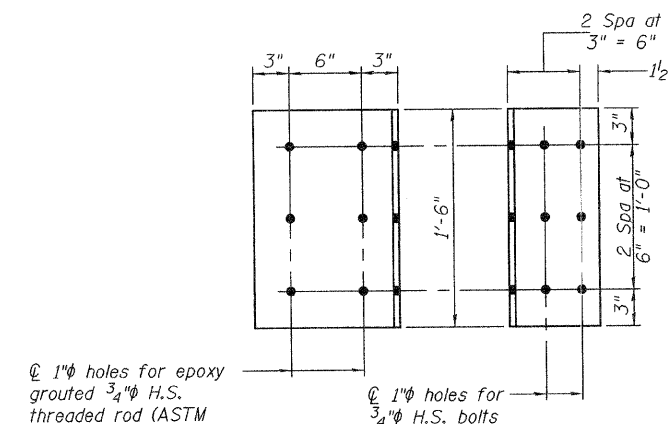
PARTIAL PLAN (Span 2)



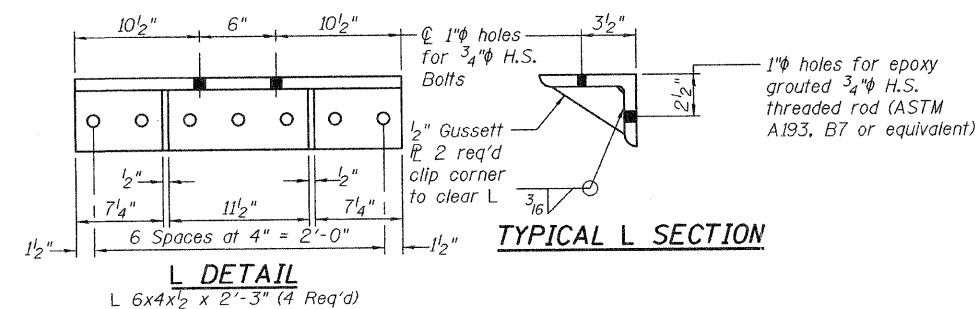
TRANSVERSE TIE \varnothing 'S
 \varnothing 1/2" x 3'-6" x 6" (6 Req'd)



TYPICAL ELEVATION AT ABUTMENT



TYPICAL BENT \varnothing DETAIL
 \varnothing 1/2" x 1'-6" x 1'-7 1/2" (8 Req'd)



TYPICAL L SECTION

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	12,010

STAGE I TRAFFIC
SUPPORT DETAILS
SN 014-0007

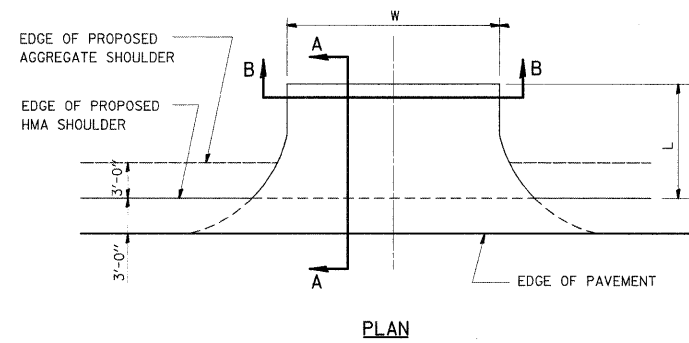
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	805	126 BR & 126 BR-I	Clinton	85	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76976					



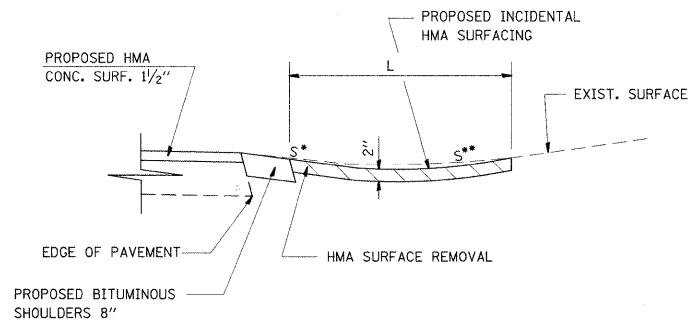
Expires: November 30, 2010

DESIGNED	Victor H. Veliz	January 26, 2009
CHECKED	[Signature]	EXAMINED [Signature]
DRAWN	[Signature]	PASSED [Signature]
CHECKED	VHV	

DETAIL OF HMA ENTRANCES

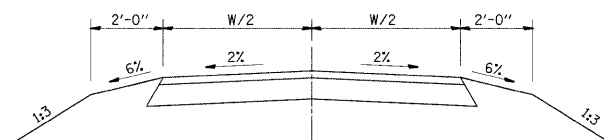


PLAN



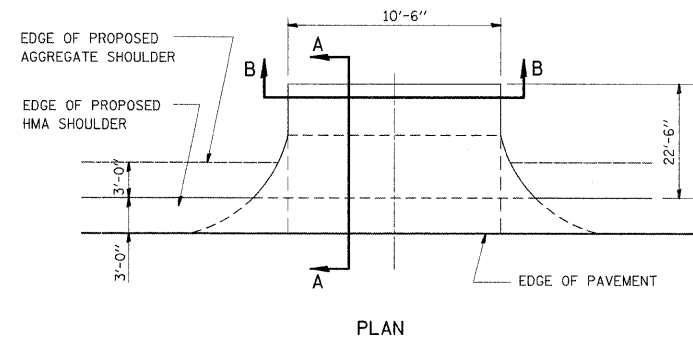
P.E. @ STA. 1113+13.87 LT L=14.5' S*=4% S**=16.5% W=14'
P.E. @ STA. 1114+77.66 RT L=14.95' S*=4% S**=6% W=19.5'
P.E. @ STA. 1114+98.40 LT L=28.75' S*=4% S**=8% W=14.5'

SECTION A-A WITH NEGATIVE GRADE

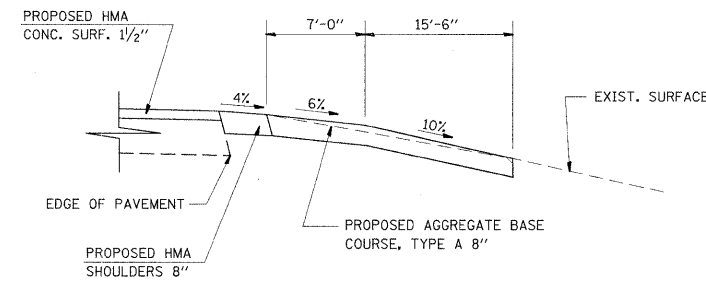


SECTION B-B

DETAIL OF FIELD ENTRANCE

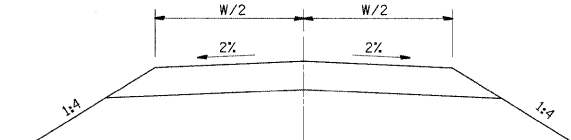


PLAN



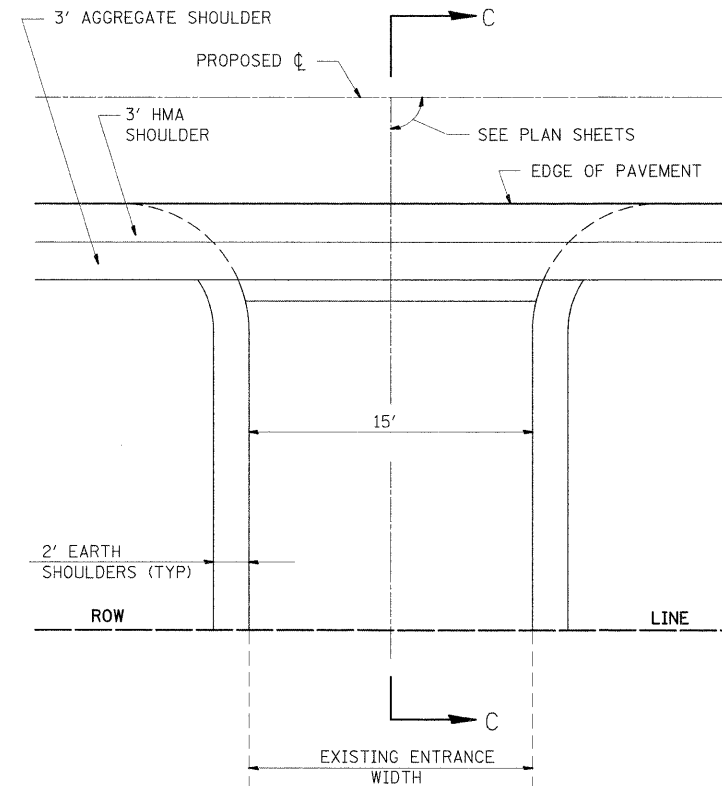
F.E. @ STA. 1121+97.99 LT

SECTION A-A WITH NEGATIVE GRADE



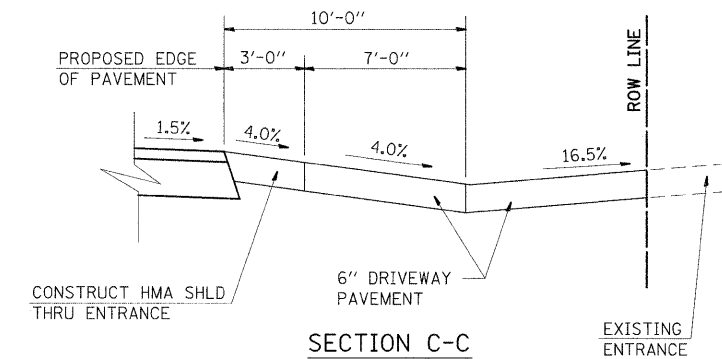
SECTION B-B

DETAIL OF PCC ENTRANCE



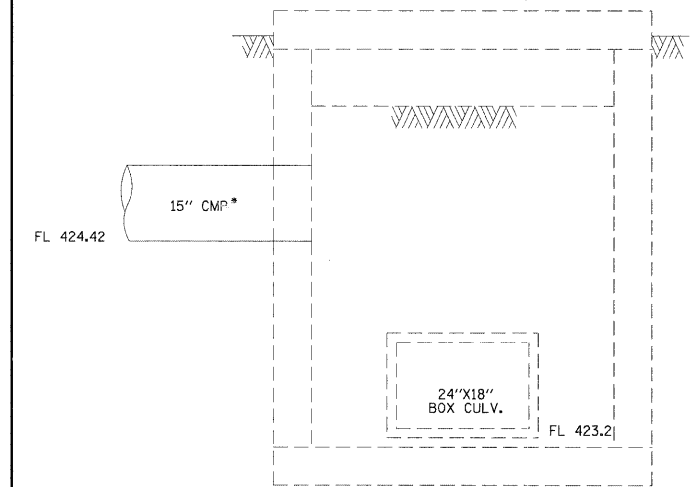
CE DETAIL C

P.E. @ STA 1114+22.76 LT



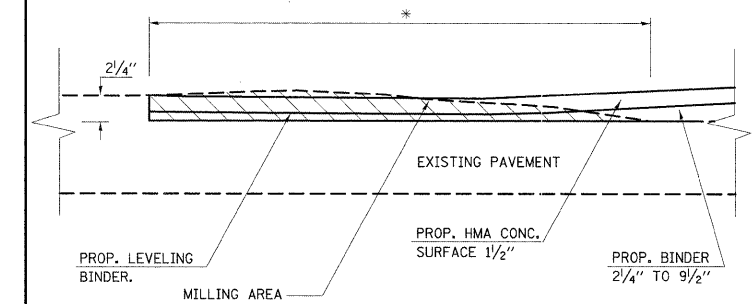
SECTION C-C

EXISTING MANHOLE DETAIL



* REMOVE EXISTING 15" CMP AND CONNECT PROPOSED 15" CMP AT THE SAME FLOW LINE ELEVATION

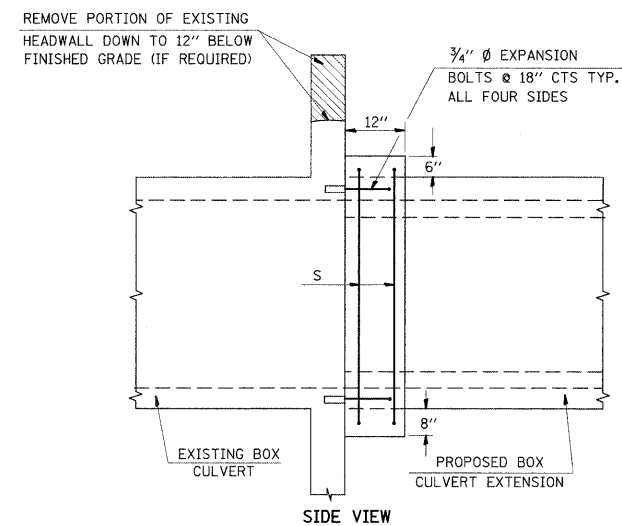
HMA SURFACE REMOVAL DETAIL



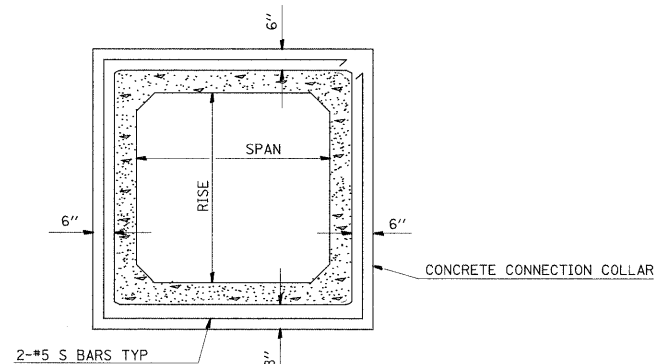
* BEGINNING STA. 1112+75.00 TO STA. 1115+74.14
ENDING STA. 1124+20.00 TO STA. 1124+75.00

DRAWING NOT TO SCALE

DETAIL OF BOX CULVERT EXTENSION



SIDE VIEW



END VIEW

SPAN X RISE	CL SI CONCRETE CU YD (EST)
2' X 1.5'	0.26

THE CONCRETE COLLAR AS DETAIL AND REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALL AS MAY BE REQUIRED ARE INCIDENTAL TO PRECAST CONCRETE BOX CULVERT 2' X 1.5'. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

GENERAL NOTES

1. THE CONNECTION COLLAR SHALL BE CLASS X CONCRETE THROUGHOUT.
2. UNSUITABLE MATERIAL SHALL BE DISPOSED OF AS PER THE STANDARD SPECIFICATIONS.
3. EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELDS AND 3/4" DIAMETER HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.
4. INSTALLATION OF THE CULVERT EXTENSION SHALL INCLUDE CONCRETE REMOVAL AS NECESSARY, CONCRETE CONNECTION COLLARS, FITTING, 3/4" EXPANSION BOLTS, REINFORCEMENT BARS, AND ALL OTHER MATERIAL REQUIRED TO COMPLETE THIS WORK. COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR CULVERT AS SPECIFIED.

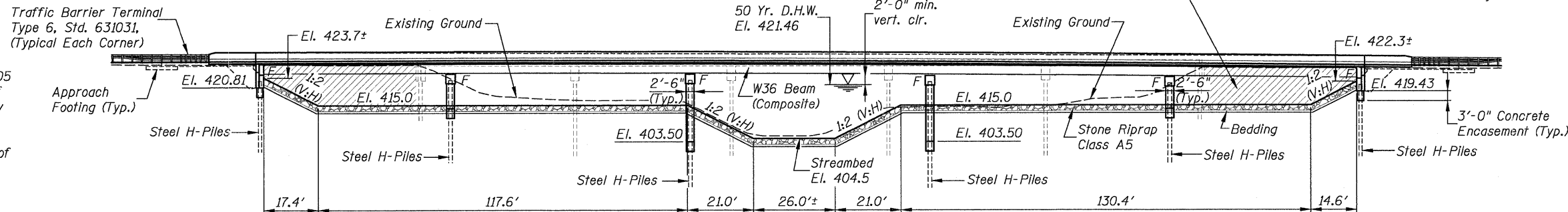
0140078.76976.01.BFEL.DGN DEC. 8, 2008

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHMARK: Chiseled "4" on Top of Wingwall at the S.E. Corner of the Existing Structure Sta. 1120+29, 17' Rt. El. 426.56

EXISTING STRUCTURE S.N. 014-0007
Built in 1934 under SBI Rte. 161 (Section 126-B), the structure was reconstructed in 1973 under FAP Rte. 805 (Section 126BR). The structure consists of 5 spans of 21" P.P.C. deck beams with a bituminous concrete overlay on spill-thru pile bent concrete abutments and concrete piers, all with concrete piles.
The existing structure measures 251'-0" back to back of abutments and 33'-0" out to out of deck.
Existing structure to be removed and replaced.
The road shall be kept open to one lane of traffic at all times by utilizing stage construction.

SALVAGE: NO SALVAGE



ELEVATION

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (Feet)	W. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	E. Abut.
	417.81	399.3	398.1	400.1	399.2	416.43

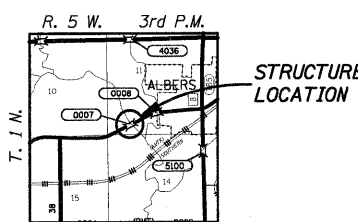
WATERWAY INFORMATION TABLE

		Drainage Area = 147 Sq. Miles				Low Grade El. 424.43 Ft. • Station 1129+17					
Flood	Freq. (Yr)	S.N. *	Q		Opening		Natural H.W.E. (Ft)	Created Head		H.W.E.	
			Exst. (CFS)	Prop. (CFS)	Exst. (Sq Ft)	Prop. (Sq Ft)		Exst. (Ft)	Prop. (Ft)	Exst. (Ft)	Prop. (Ft)
Design	50	014-0007	10,543	11,207	1,667	2,438	421.46	1.77	1.46	423.23	422.92
		014-0008	4,915	4,251	622	622					
		Total	15,458	15,458	2,289	3,060					
Base	100	014-0007	13,113	13,681	1,878	2,732	422.35	1.80	1.47	424.15	423.82
		014-0008	5,489	4,921	690	690					
		Total	18,602	18,602	2,568	3,422					
Overtopping Existing	125	014-0007	13,822	--	1,942	--	422.62	1.81	--	424.43	--
		014-0008	5,678	--	711	--					
		Total	19,500	--	2,653	--					
Overtopping Proposed	170	014-0007	--	15,570	--	2,936	422.96	--	1.47	--	424.43
		014-0008	--	5,230	--	737					
		Total	--	20,800	--	3,673					
Scour	10	014-0007	5,951	6,255	1,193	1,759	419.37	1.81	1.57	421.18	420.94
		014-0008	3,697	3,393	478	478					
		Total	9,648	9,648	1,671	2,237					

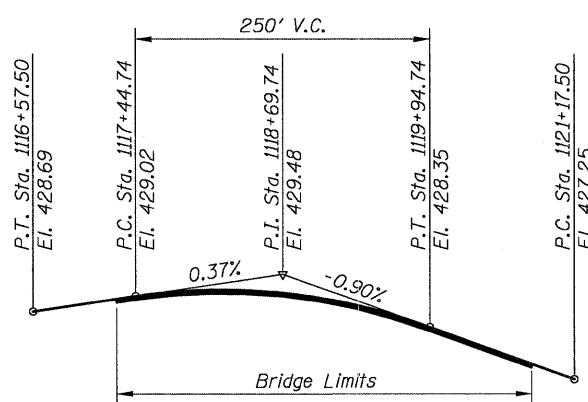
* Existing S.N. 014-0007 carries Il. Rte. 161 over Sugar Creek.
Existing S.N. 014-0008 carries Il. Rte. 161 over Lake Branch Creek.

INDEX OF SHEETS

1. General Plan & Elevation
2. General Data
3. Stage Construction Details
4. Temporary Concrete Barrier for Stage Construction
- 5-8. Top of Slab Elevations
9. Top of West Approach Pavement Elevations
10. Top of East Approach Pavement Elevations
11. Superstructure
12. Superstructure Details
- 13-14. Composite Bridge Approach Slab Details
15. Integral Abutment Diaphragm Details
16. Drainage Scupper, DS-11
17. Structural Steel
18. Steel Details
19. Bearing Details
20. West Abutment
21. East Abutment
22. Pier 1
23. Pier 2
24. Pier 3
25. Pier 4
26. Bar Splicer Assembly Details
27. HP Pile Details
- 28-34. Soil Boring Logs



LOCATION SKETCH



PROFILE GRADE
along I.R. Rte. 161

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications with 2008 Interims

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (M270 Grade 36)
 $f_y = 50,000$ psi (M270 Grade 50)

LOADING HL-93

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.262g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.610g
Soil Site Class = D

STATION 1119+05
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RT. 805 SEC. 126-BR-1
LOADING HL93
STRUCTURE NO. 014-0078

NAME PLATE

See Std. 515001

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

Bradley G. Hummert Date: 12/9/08
Bradley G. Hummert
Licensed Structural Engineer
in Carlyle, Illinois
No. 081-005428 Expires 11/30/2010

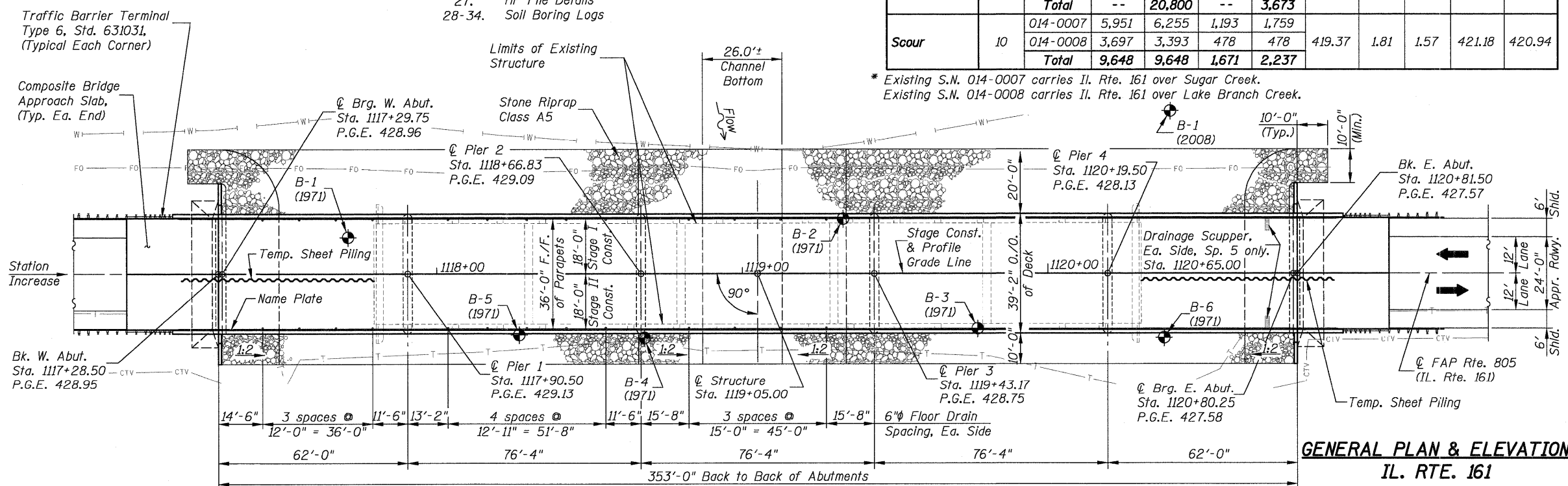


APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TSO)
ENGINEER OF BRIDGES AND STRUCTURES



PLAN



GENERAL PLAN & ELEVATION

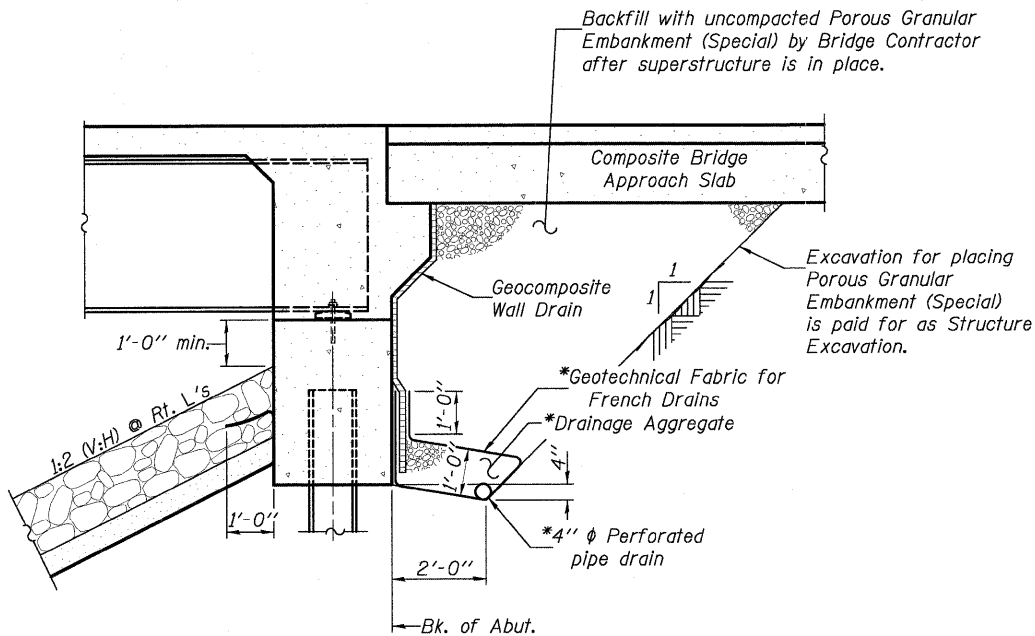
**IL. RTE. 161
OVER SUGAR CREEK
STATION 1119+05**

SHEET NO. 1 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 32
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

H.M. & G. NO. 6020.131

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

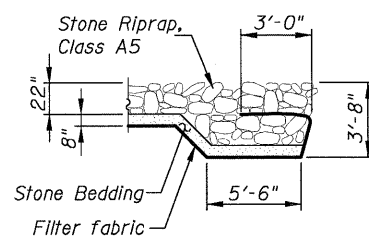


SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



STONE RIPRAP FLANK DETAIL

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	127		127
Stone Riprap, Class A5	Sq. Yd.	2,821		2,821
Filter Fabric	Sq. Yd.	2,821		2,821
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.	471		471
Floor Drains	Each	26		26
Concrete Structures	Cu. Yd.	296.9		296.9
Concrete Superstructure	Cu. Yd.	473.1		473.1
Bridge Deck Grooving	Sq. Yd.	1,561		1,561
Concrete Encasement	Cu. Yd.	21.8		21.8
* Protective Coat	Sq. Yd.	1,981		1,981
Precast Concrete Bridge Slab	Sq. Ft.	2,270		2,270
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	6,552		6,552
** Reinforcement Bars, Epoxy Coated	Pound	121,760	33,180	154,940
** Bar Splacers (E)	Each	1,234	172	1,406
Furnishing Steel Piles HP 12x63	Foot		775	775
Furnishing Steel Piles HP 14x89	Foot		2,268	2,268
Driving Piles	Foot		3,043	3,043
Test Pile Steel HP 12x63	Each		2	2
Test Pile Steel HP 14x89	Each		4	4
Temporary Sheet Piling	Sq. Ft.		3,403	3,403
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		72	72
Geocomposite Wall Drain	Sq. Yd.		68	68
Pipe Underdrains for Structures 4"	Foot		152	152
Asbestos Bearing Pad Removal	Each	140		140
Mechanical Splice	Each		180	180
Drainage Scuppers, DS-11	Each	2		2
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Concrete Wearing Surface, 5"	Sq. Yd.	253		253

* Quantity includes top of concrete surface of bridge deck and approach slab end to end and the top and the inside vertical faces of the parapets.

** Bridge Approach Slab and Footing Reinforcement and Bar Splicer quantities are included in Superstructure quantities.

- The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure. If the Contractor's procedures for existing beam removal involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.
- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4 in. ϕ , holes 15/16 in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 31,510 lbs. (M270, Grade 36)
311,680 lbs. (M270, Grade 50)
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- In lieu of the hammer selection criteria and use of the FHWA Modified Gates formula specified in Section 512 of the Standard Specifications, the Contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.
- Slipforming of the parapets is not allowed.

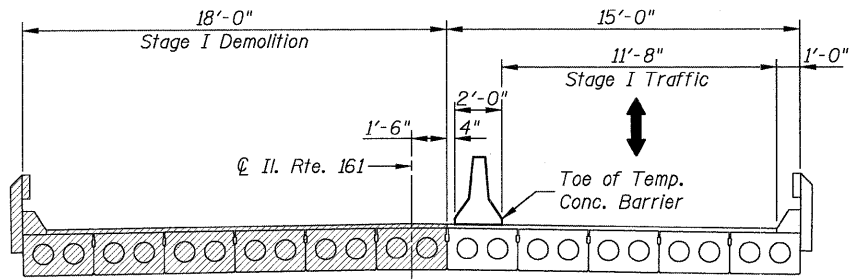
GENERAL DATA

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	35	33
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

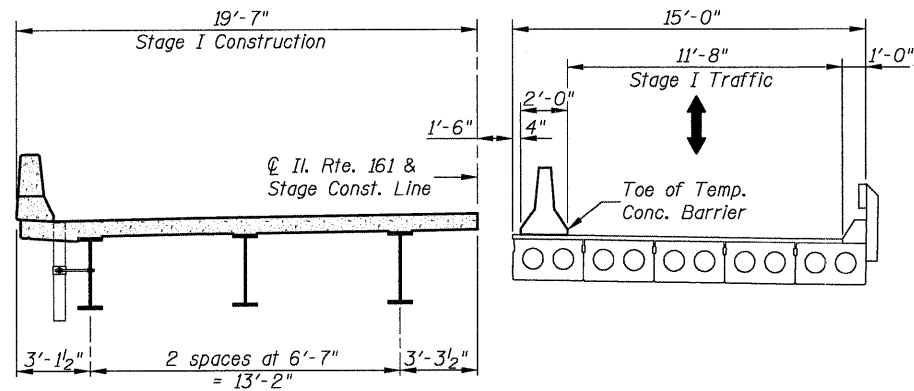
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

0140078_76976_03_STAG.DGN DEC. 8, 2008

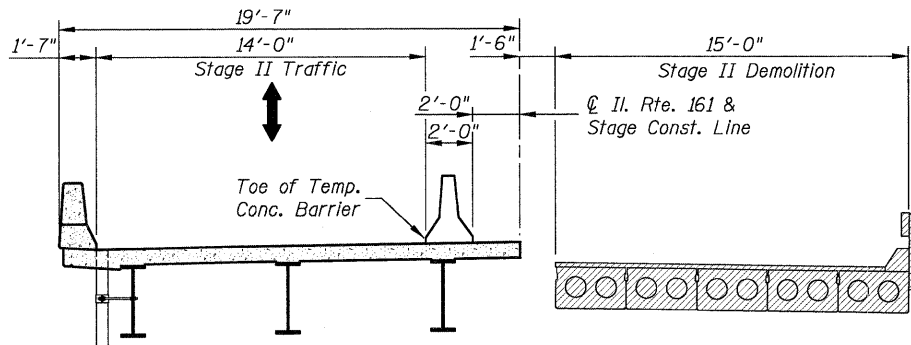
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



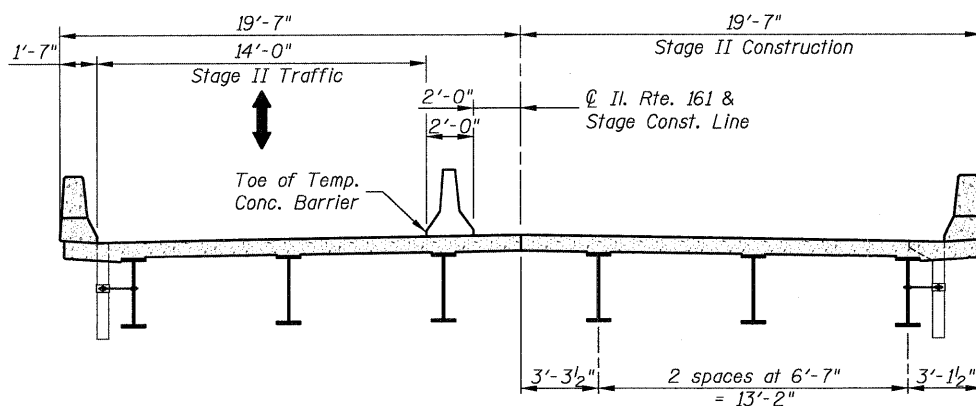
STAGE I DEMOLITION
(Looking East)



STAGE I CONSTRUCTION
(Looking East)

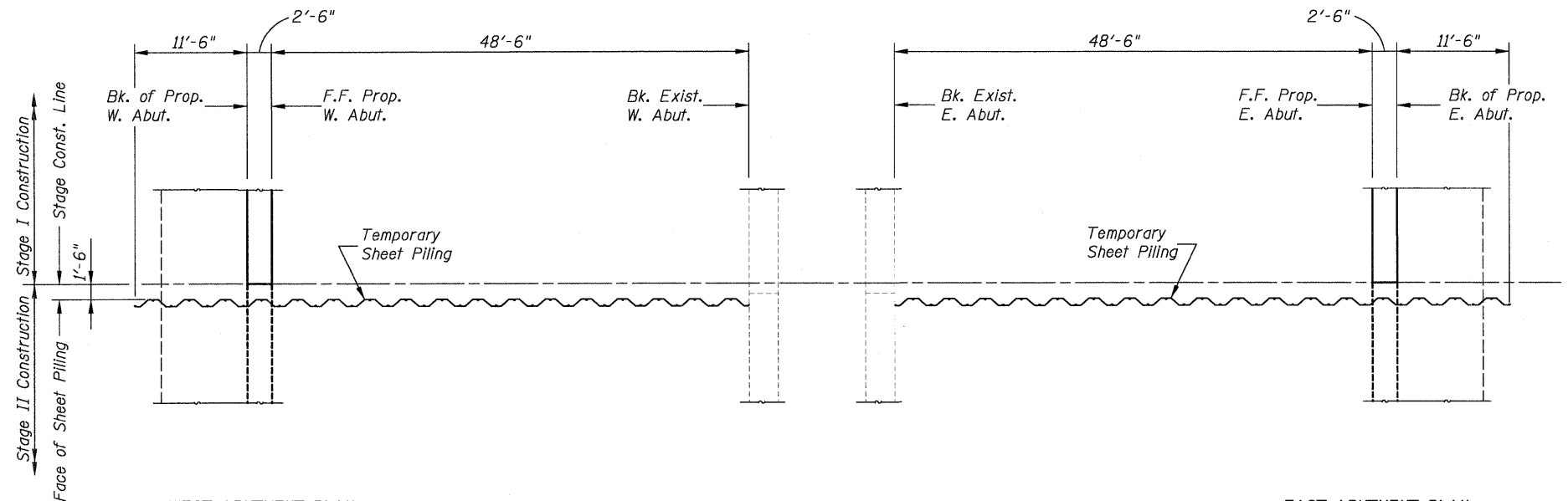


STAGE II DEMOLITION
(Looking East)



STAGE II CONSTRUCTION
(Looking East)

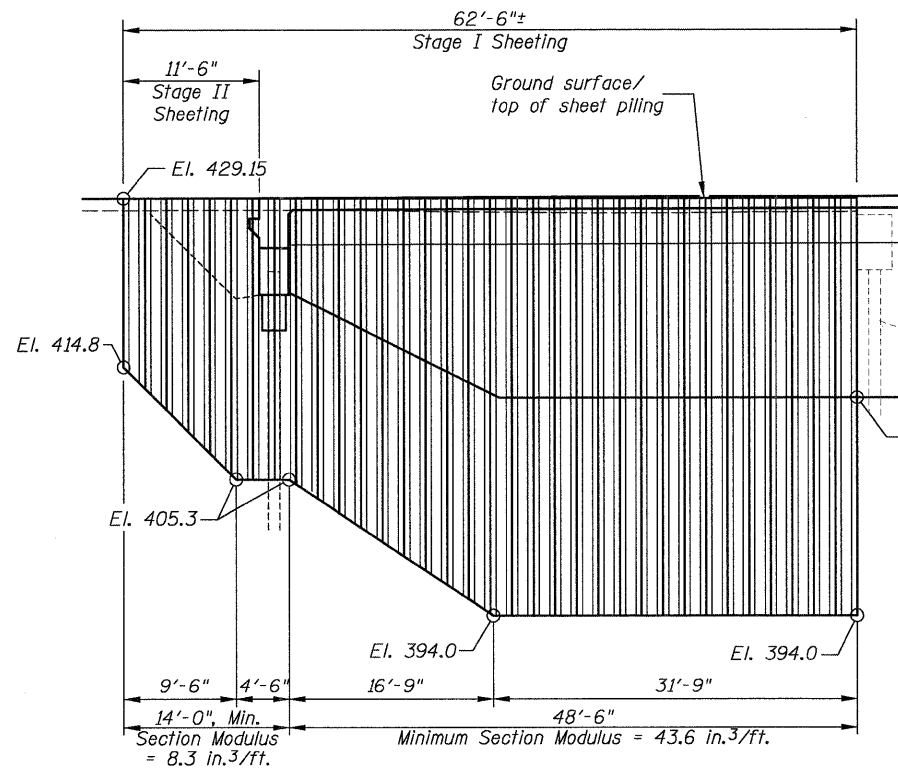
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.



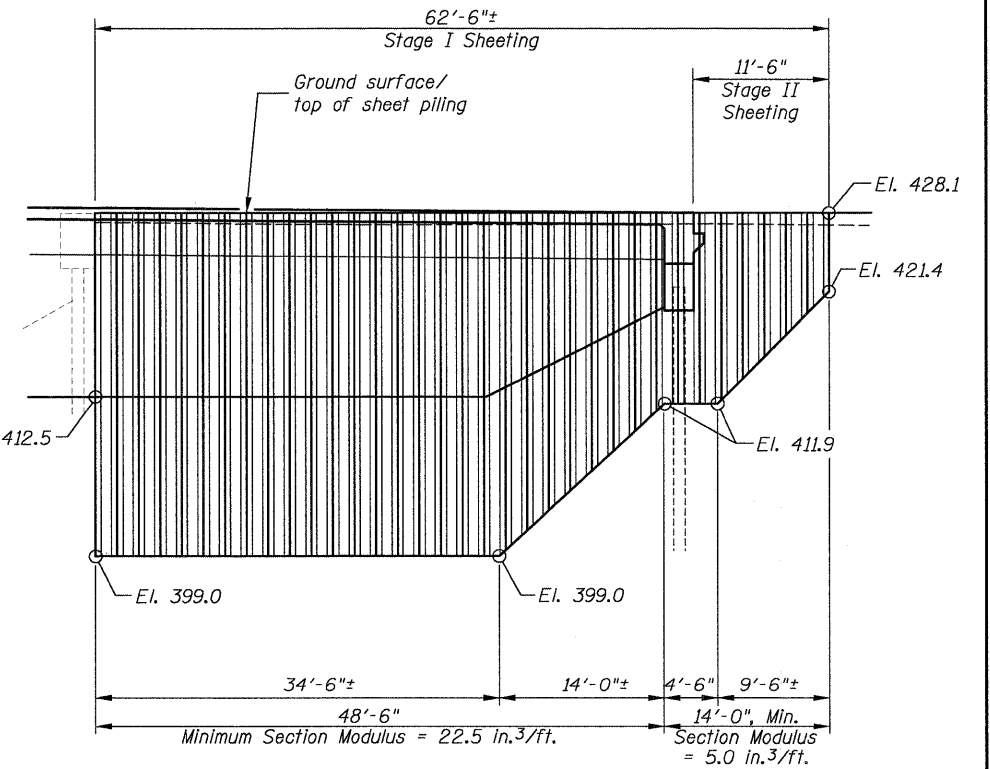
WEST ABUTMENT PLAN

EAST ABUTMENT PLAN

TEMPORARY SHEET PILING PLAN



WEST ABUTMENT ELEVATION



EAST ABUTMENT ELEVATION

TEMPORARY SHEET PILING ELEVATION

NOTES

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal, including plan details and calculations, will be required for review and acceptance by the Engineer.

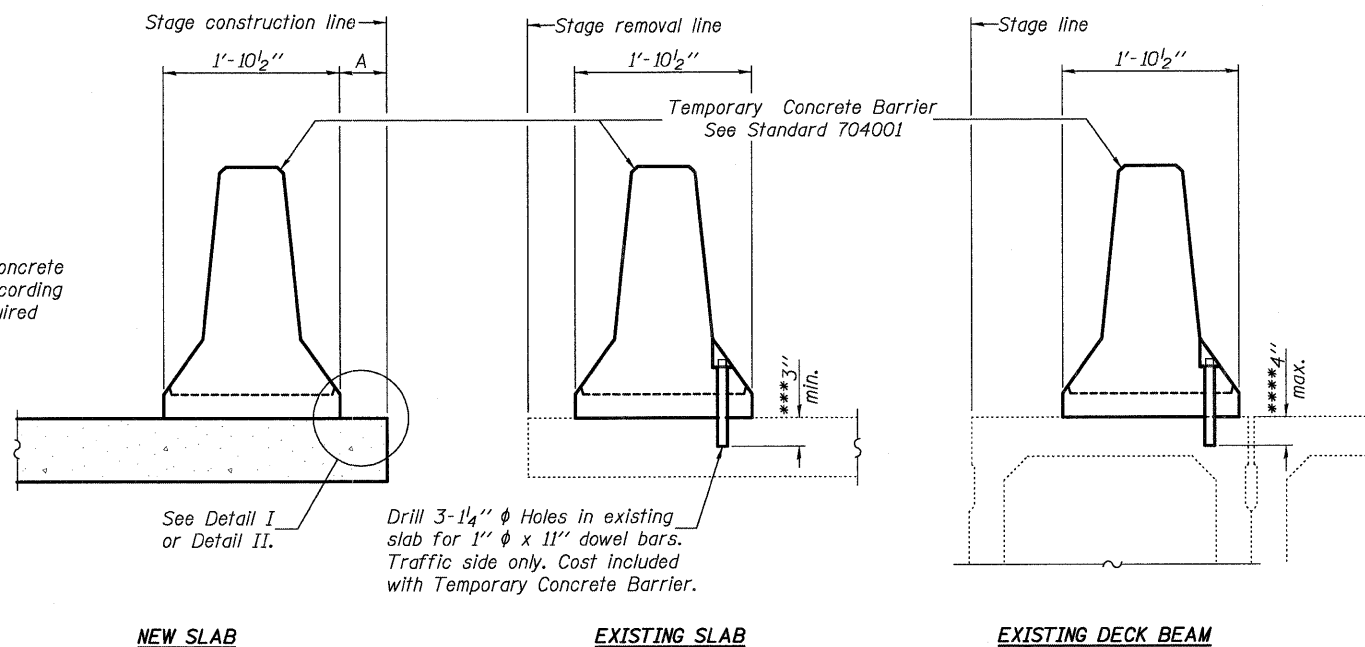
STAGE CONSTRUCTION DETAILS

SHEET NO. 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	34
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

H.M. & G. NO. 6020.131

0140078_76976_04_TMPB.DGN SEPT. 16, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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

NEW SLAB

EXISTING SLAB

EXISTING DECK BEAM

Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ x 11" dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

See Detail I or Detail II.

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

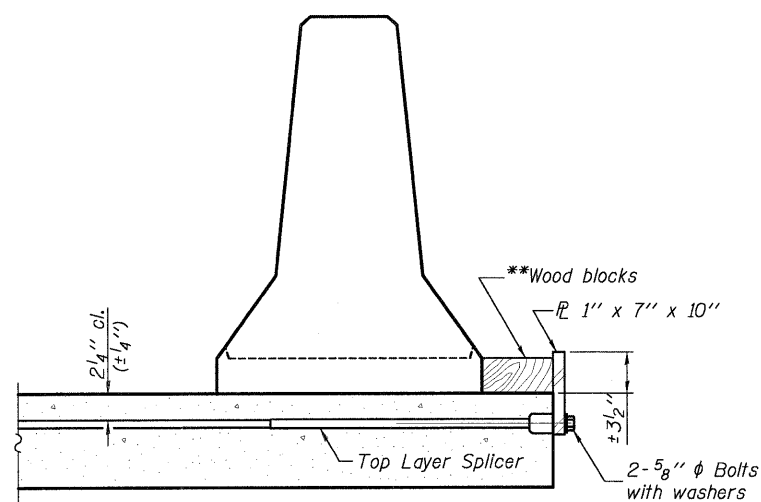
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

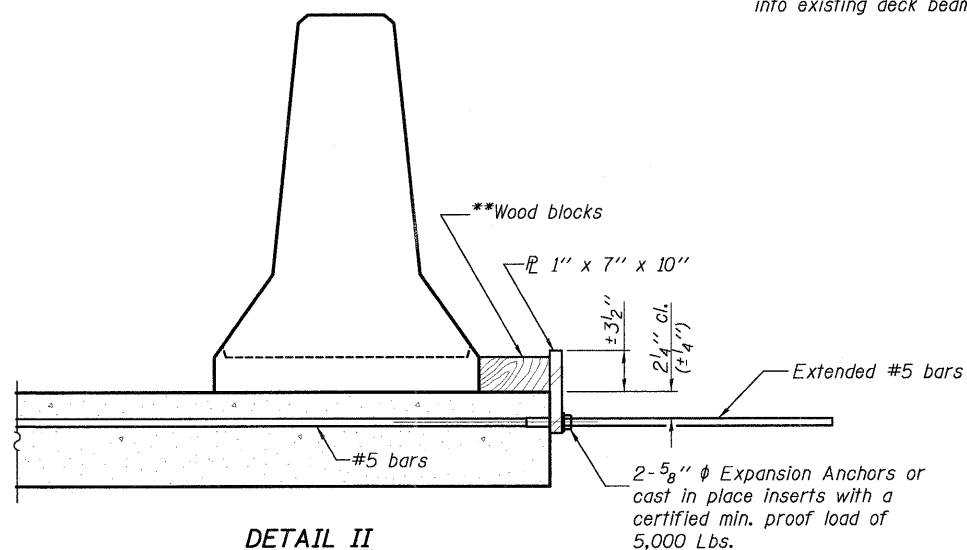
SECTIONS THRU SLAB OR DECK BEAM

***Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

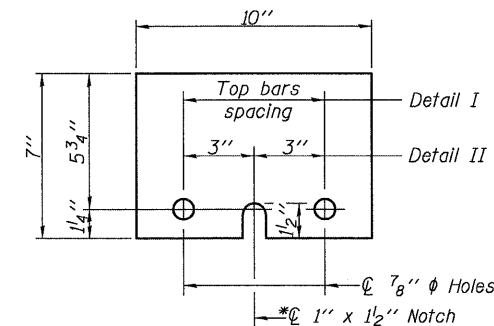
***If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



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

*Required only with Detail II

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

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

R-27 5-16-08

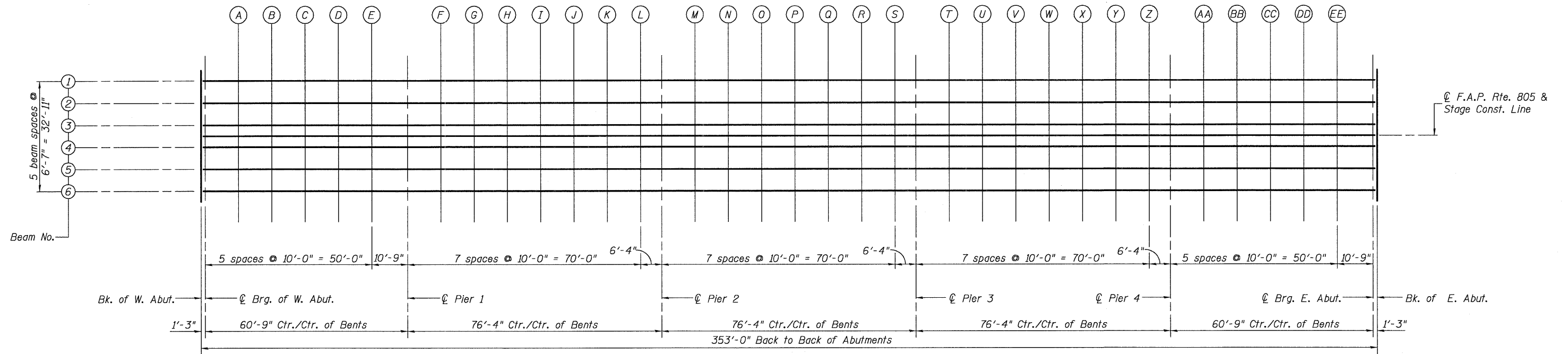
**TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION**

SHEET NO. 4	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	35
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

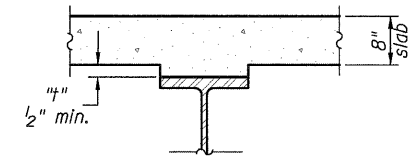
H.M. & G. NO. 6020.131

0140078.76976.05.TSPL.DGN DEC. 5, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

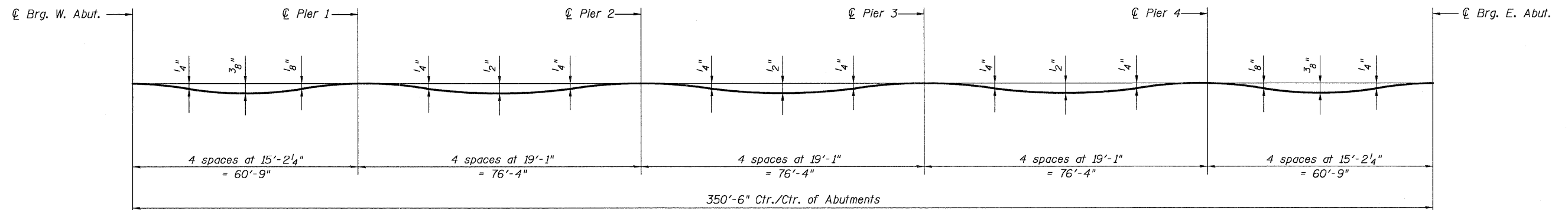


PLAN



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheets 6 thru 8, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete slab only, exclusive of beam weight.)

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 shown on sheets 6 thru 8.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

TOP OF SLAB ELEVATIONS

SHEET NO. 5 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 36
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

014007B.76976.06.TSEL.DGN SEPT. 4, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM #1				
Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	1117+28.50	-16.46	428.67	428.67
⊕ Brg. W. Abut.	1117+29.75	-16.46	428.68	428.68
A	1117+39.75	-16.46	428.71	428.73
B	1117+49.75	-16.46	428.75	428.78
C	1117+59.75	-16.46	428.78	428.81
D	1117+69.75	-16.46	428.81	428.83
E	1117+79.75	-16.46	428.83	428.84
⊕ Brg. Pier 1	1117+90.50	-16.46	428.85	428.85
F	1118+00.50	-16.46	428.86	428.87
G	1118+10.50	-16.46	428.87	428.89
H	1118+20.50	-16.46	428.87	428.91
I	1118+30.50	-16.46	428.87	428.90
J	1118+40.50	-16.46	428.86	428.89
K	1118+50.50	-16.46	428.84	428.86
L	1118+60.50	-16.46	428.82	428.83
⊕ Brg. Pier 2	1118+66.83	-16.46	428.81	428.81
M	1118+76.83	-16.46	428.78	428.79
N	1118+86.83	-16.46	428.75	428.77
O	1118+96.83	-16.46	428.71	428.74
P	1119+06.83	-16.46	428.67	428.70
Q	1119+16.83	-16.46	428.62	428.65
R	1119+26.83	-16.46	428.57	428.58
S	1119+36.83	-16.46	428.51	428.51
⊕ Brg. Pier 3	1119+43.17	-16.46	428.47	428.47
T	1119+53.17	-16.46	428.40	428.41
U	1119+63.17	-16.46	428.33	428.35
V	1119+73.17	-16.46	428.25	428.29
W	1119+83.17	-16.46	428.17	428.21
X	1119+93.17	-16.46	428.09	428.12
Y	1120+03.17	-16.46	428.00	428.01
Z	1120+13.17	-16.46	427.91	427.91
⊕ Brg. Pier 4	1120+19.50	-16.46	427.85	427.85
AA	1120+29.50	-16.46	427.76	427.77
BB	1120+39.50	-16.46	427.67	427.69
CC	1120+49.50	-16.46	427.58	427.61
DD	1120+59.50	-16.46	427.49	427.52
EE	1120+69.50	-16.46	427.40	427.42
⊕ Brg. E. Abut.	1120+80.25	-16.46	427.30	427.30
Bk. E. Abut.	1120+81.50	-16.46	427.29	427.29

BEAM #2				
Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	1117+28.50	-9.88	428.80	428.80
⊕ Brg. W. Abut.	1117+29.75	-9.88	428.80	428.80
A	1117+39.75	-9.88	428.84	428.86
B	1117+49.75	-9.88	428.88	428.91
C	1117+59.75	-9.88	428.91	428.94
D	1117+69.75	-9.88	428.94	428.96
E	1117+79.75	-9.88	428.96	428.97
⊕ Brg. Pier 1	1117+90.50	-9.88	428.98	428.98
F	1118+00.50	-9.88	428.99	429.00
G	1118+10.50	-9.88	428.99	429.02
H	1118+20.50	-9.88	429.00	429.03
I	1118+30.50	-9.88	428.99	429.03
J	1118+40.50	-9.88	428.98	429.01
K	1118+50.50	-9.88	428.97	428.99
L	1118+60.50	-9.88	428.95	428.95
⊕ Brg. Pier 2	1118+66.83	-9.88	428.93	428.93
M	1118+76.83	-9.88	428.91	428.92
N	1118+86.83	-9.88	428.87	428.90
O	1118+96.83	-9.88	428.84	428.87
P	1119+06.83	-9.88	428.79	428.83
Q	1119+16.83	-9.88	428.75	428.78
R	1119+26.83	-9.88	428.69	428.71
S	1119+36.83	-9.88	428.63	428.64
⊕ Brg. Pier 3	1119+43.17	-9.88	428.60	428.60
T	1119+53.17	-9.88	428.53	428.54
U	1119+63.17	-9.88	428.46	428.48
V	1119+73.17	-9.88	428.38	428.42
W	1119+83.17	-9.88	428.30	428.34
X	1119+93.17	-9.88	428.21	428.24
Y	1120+03.17	-9.88	428.12	428.14
Z	1120+13.17	-9.88	428.03	428.04
⊕ Brg. Pier 4	1120+19.50	-9.88	427.97	427.97
AA	1120+29.50	-9.88	427.88	427.89
BB	1120+39.50	-9.88	427.79	427.81
CC	1120+49.50	-9.88	427.70	427.73
DD	1120+59.50	-9.88	427.61	427.64
EE	1120+69.50	-9.88	427.52	427.54
⊕ Brg. E. Abut.	1120+80.25	-9.88	427.43	427.43
Bk. E. Abut.	1120+81.50	-9.88	427.41	427.41

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

Notes:
1. Elevations are at Top of Concrete.
2. See Sheet 5 for elevation locations.

TOP OF SLAB ELEVATIONS

SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	37
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020131

040076_76976_07_TSEL_RT_16L.DGN SEPT. 12, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM #3

☉ ROADWAY, P.G. & STAGE CONSTRUCTION LINE

BEAM #4

BEAM #3					☉ ROADWAY, P.G. & STAGE CONSTRUCTION LINE					BEAM #4				
Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection	Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection	Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	1117+28.50	-3.29	428.90	428.90	Bk. W. Abut.	1117+28.50	0.00	428.95	428.95	Bk. W. Abut.	1117+28.50	3.29	428.90	428.90
☉ Brg. W. Abut.	1117+29.75	-3.29	428.91	428.91	☉ Brg. W. Abut.	1117+29.75	0.00	428.96	428.96	☉ Brg. W. Abut.	1117+29.75	3.29	428.91	428.91
A	1117+39.75	-3.29	428.94	428.96	A	1117+39.75	0.00	428.99	429.01	A	1117+39.75	3.29	428.94	428.96
B	1117+49.75	-3.29	428.98	429.01	B	1117+49.75	0.00	429.03	429.06	B	1117+49.75	3.29	428.98	429.01
C	1117+59.75	-3.29	429.01	429.04	C	1117+59.75	0.00	429.06	429.09	C	1117+59.75	3.29	429.01	429.04
D	1117+69.75	-3.29	429.04	429.06	D	1117+69.75	0.00	429.09	429.11	D	1117+69.75	3.29	429.04	429.06
E	1117+79.75	-3.29	429.06	429.07	E	1117+79.75	0.00	429.11	429.12	E	1117+79.75	3.29	429.06	429.07
☉ Brg. Pier 1	1117+90.50	-3.29	429.08	429.08	☉ Brg. Pier 1	1117+90.50	0.00	429.13	429.13	☉ Brg. Pier 1	1117+90.50	3.29	429.08	429.08
F	1118+00.50	-3.29	429.09	429.10	F	1118+00.50	0.00	429.14	429.15	F	1118+00.50	3.29	429.09	429.10
G	1118+10.50	-3.29	429.10	429.12	G	1118+10.50	0.00	429.15	429.17	G	1118+10.50	3.29	429.10	429.12
H	1118+20.50	-3.29	429.10	429.13	H	1118+20.50	0.00	429.15	429.19	H	1118+20.50	3.29	429.10	429.13
I	1118+30.50	-3.29	429.09	429.13	I	1118+30.50	0.00	429.15	429.18	I	1118+30.50	3.29	429.09	429.13
J	1118+40.50	-3.29	429.09	429.12	J	1118+40.50	0.00	429.14	429.17	J	1118+40.50	3.29	429.09	429.12
K	1118+50.50	-3.29	429.07	429.09	K	1118+50.50	0.00	429.12	429.14	K	1118+50.50	3.29	429.07	429.09
L	1118+60.50	-3.29	429.05	429.06	L	1118+60.50	0.00	429.10	429.11	L	1118+60.50	3.29	429.05	429.06
☉ Brg. Pier 2	1118+66.83	-3.29	429.04	429.04	☉ Brg. Pier 2	1118+66.83	0.00	429.09	429.09	☉ Brg. Pier 2	1118+66.83	3.29	429.04	429.04
M	1118+76.83	-3.29	429.01	429.02	M	1118+76.83	0.00	429.06	429.07	M	1118+76.83	3.29	429.01	429.02
N	1118+86.83	-3.29	428.98	429.00	N	1118+86.83	0.00	429.03	429.05	N	1118+86.83	3.29	428.98	429.00
O	1118+96.83	-3.29	428.94	428.97	O	1118+96.83	0.00	428.99	429.02	O	1118+96.83	3.29	428.94	428.97
P	1119+06.83	-3.29	428.90	428.93	P	1119+06.83	0.00	428.95	428.99	P	1119+06.83	3.29	428.90	428.93
Q	1119+16.83	-3.29	428.85	428.88	Q	1119+16.83	0.00	428.90	428.93	Q	1119+16.83	3.29	428.85	428.88
R	1119+26.83	-3.29	428.80	428.81	R	1119+26.83	0.00	428.85	428.86	R	1119+26.83	3.29	428.80	428.81
S	1119+36.83	-3.29	428.74	428.74	S	1119+36.83	0.00	428.79	428.79	S	1119+36.83	3.29	428.74	428.74
☉ Brg. Pier 3	1119+43.17	-3.29	428.70	428.70	☉ Brg. Pier 3	1119+43.17	0.00	428.75	428.75	☉ Brg. Pier 3	1119+43.17	3.29	428.70	428.70
T	1119+53.17	-3.29	428.63	428.64	T	1119+53.17	0.00	428.68	428.69	T	1119+53.17	3.29	428.63	428.64
U	1119+63.17	-3.29	428.56	428.58	U	1119+63.17	0.00	428.61	428.63	U	1119+63.17	3.29	428.56	428.58
V	1119+73.17	-3.29	428.48	428.52	V	1119+73.17	0.00	428.53	428.57	V	1119+73.17	3.29	428.48	428.52
W	1119+83.17	-3.29	428.40	428.44	W	1119+83.17	0.00	428.45	428.49	W	1119+83.17	3.29	428.40	428.44
X	1119+93.17	-3.29	428.31	428.35	X	1119+93.17	0.00	428.37	428.40	X	1119+93.17	3.29	428.31	428.35
Y	1120+03.17	-3.29	428.22	428.24	Y	1120+03.17	0.00	428.28	428.29	Y	1120+03.17	3.29	428.22	428.24
Z	1120+13.17	-3.29	428.13	428.14	Z	1120+13.17	0.00	428.19	428.19	Z	1120+13.17	3.29	428.13	428.14
☉ Brg. Pier 4	1120+19.50	-3.29	428.08	428.08	☉ Brg. Pier 4	1120+19.50	0.00	428.13	428.13	☉ Brg. Pier 4	1120+19.50	3.29	428.08	428.08
AA	1120+29.50	-3.29	427.99	427.99	AA	1120+29.50	0.00	428.04	428.05	AA	1120+29.50	3.29	427.99	427.99
BB	1120+39.50	-3.29	427.90	427.92	BB	1120+39.50	0.00	427.95	427.97	BB	1120+39.50	3.29	427.90	427.92
CC	1120+49.50	-3.29	427.81	427.84	CC	1120+49.50	0.00	427.86	427.89	CC	1120+49.50	3.29	427.81	427.84
DD	1120+59.50	-3.29	427.72	427.75	DD	1120+59.50	0.00	427.77	427.80	DD	1120+59.50	3.29	427.72	427.75
EE	1120+69.50	-3.29	427.63	427.65	EE	1120+69.50	0.00	427.68	427.70	EE	1120+69.50	3.29	427.63	427.65
☉ Brg. E. Abut.	1120+80.25	-3.29	427.53	427.53	☉ Brg. E. Abut.	1120+80.25	0.00	427.58	427.58	☉ Brg. E. Abut.	1120+80.25	3.29	427.53	427.53
Bk. E. Abut.	1120+81.50	-3.29	427.52	427.52	Bk. E. Abut.	1120+81.50	0.00	427.57	427.57	Bk. E. Abut.	1120+81.50	3.29	427.52	427.52

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

Notes:
1. Elevations are at Top of Concrete.
2. See Sheet 5 for elevation locations.

TOP OF SLAB ELEVATIONS

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	38
34 SHEETS		S.N. 014-0078		CONTRACT NO. 76976	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.131

0140078_76976_08_TSEL.DGN SEPT. 4, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM #5

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	1117+28.50	9.88	428.80	428.80
⊕ Brg. W. Abut.	1117+29.75	9.88	428.80	428.80
A	1117+39.75	9.88	428.84	428.86
B	1117+49.75	9.88	428.88	428.91
C	1117+59.75	9.88	428.91	428.94
D	1117+69.75	9.88	428.94	428.96
E	1117+79.75	9.88	428.96	428.97
⊕ Brg. Pier 1	1117+90.50	9.88	428.98	428.98
F	1118+00.50	9.88	428.99	429.00
G	1118+10.50	9.88	428.99	429.02
H	1118+20.50	9.88	429.00	429.03
I	1118+30.50	9.88	428.99	429.03
J	1118+40.50	9.88	428.98	429.01
K	1118+50.50	9.88	428.97	428.99
L	1118+60.50	9.88	428.95	428.95
⊕ Brg. Pier 2	1118+66.83	9.88	428.93	428.93
M	1118+76.83	9.88	428.91	428.92
N	1118+86.83	9.88	428.87	428.90
O	1118+96.83	9.88	428.84	428.87
P	1119+06.83	9.88	428.79	428.83
Q	1119+16.83	9.88	428.75	428.78
R	1119+26.83	9.88	428.69	428.71
S	1119+36.83	9.88	428.63	428.64
⊕ Brg. Pier 3	1119+43.17	9.88	428.60	428.60
T	1119+53.17	9.88	428.53	428.54
U	1119+63.17	9.88	428.46	428.48
V	1119+73.17	9.88	428.38	428.42
W	1119+83.17	9.88	428.30	428.34
X	1119+93.17	9.88	428.21	428.24
Y	1120+03.17	9.88	428.12	428.14
Z	1120+13.17	9.88	428.03	428.04
⊕ Brg. Pier 4	1120+19.50	9.88	427.97	427.97
AA	1120+29.50	9.88	427.88	427.89
BB	1120+39.50	9.88	427.79	427.81
CC	1120+49.50	9.88	427.70	427.73
DD	1120+59.50	9.88	427.61	427.64
EE	1120+69.50	9.88	427.52	427.54
⊕ Brg. E. Abut.	1120+80.25	9.88	427.43	427.43
Bk. E. Abut.	1120+81.50	9.88	427.41	427.41

BEAM #6

Location	Station	Offset from Ctrline	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	1117+28.50	16.46	428.67	428.67
⊕ Brg. W. Abut.	1117+29.75	16.46	428.68	428.68
A	1117+39.75	16.46	428.71	428.73
B	1117+49.75	16.46	428.75	428.78
C	1117+59.75	16.46	428.78	428.81
D	1117+69.75	16.46	428.81	428.83
E	1117+79.75	16.46	428.83	428.84
⊕ Brg. Pier 1	1117+90.50	16.46	428.85	428.85
F	1118+00.50	16.46	428.86	428.87
G	1118+10.50	16.46	428.87	428.89
H	1118+20.50	16.46	428.87	428.91
I	1118+30.50	16.46	428.87	428.90
J	1118+40.50	16.46	428.86	428.89
K	1118+50.50	16.46	428.84	428.86
L	1118+60.50	16.46	428.82	428.83
⊕ Brg. Pier 2	1118+66.83	16.46	428.81	428.81
M	1118+76.83	16.46	428.78	428.79
N	1118+86.83	16.46	428.75	428.77
O	1118+96.83	16.46	428.71	428.74
P	1119+06.83	16.46	428.67	428.70
Q	1119+16.83	16.46	428.62	428.65
R	1119+26.83	16.46	428.57	428.58
S	1119+36.83	16.46	428.51	428.51
⊕ Brg. Pier 3	1119+43.17	16.46	428.47	428.47
T	1119+53.17	16.46	428.40	428.41
U	1119+63.17	16.46	428.33	428.35
V	1119+73.17	16.46	428.25	428.29
W	1119+83.17	16.46	428.17	428.21
X	1119+93.17	16.46	428.09	428.12
Y	1120+03.17	16.46	428.00	428.01
Z	1120+13.17	16.46	427.91	427.91
⊕ Brg. Pier 4	1120+19.50	16.46	427.85	427.85
AA	1120+29.50	16.46	427.76	427.77
BB	1120+39.50	16.46	427.67	427.69
CC	1120+49.50	16.46	427.58	427.61
DD	1120+59.50	16.46	427.49	427.52
EE	1120+69.50	16.46	427.40	427.42
⊕ Brg. E. Abut.	1120+80.25	16.46	427.30	427.30
Bk. E. Abut.	1120+81.50	16.46	427.29	427.29

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

Notes:
1. Elevations are at Top of Concrete.
2. See Sheet 5 for elevation locations.

TOP OF SLAB ELEVATIONS

SHEET NO. 8	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	39
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.131

0140078_76976_03_WAPP.DGN DEC. 8, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH APPROACH CURB LINE

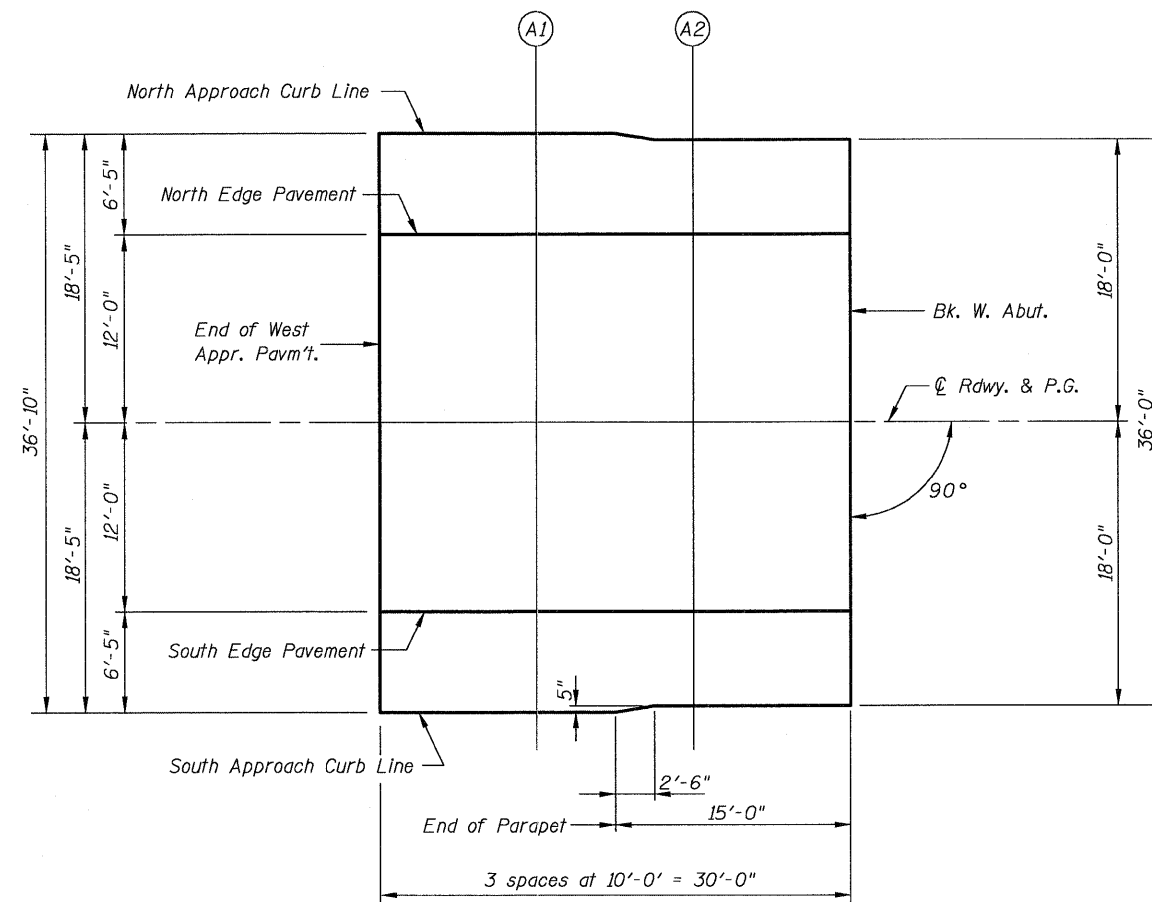
Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	1116+98.50	-18.42	428.52
A1	1117+08.50	-18.42	428.56
A2	1117+18.50	-18.00	428.60
Bk. W. Abut.	1117+28.50	-18.00	428.64

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	1116+98.50	-12.00	428.65
A1	1117+08.50	-12.00	428.69
A2	1117+18.50	-12.00	428.73
Bk. W. Abut.	1117+28.50	-12.00	428.77

☉ ROADWAY & PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	1116+98.50	0.00	428.84
A1	1117+08.50	0.00	428.88
A2	1117+18.50	0.00	428.92
Bk. W. Abut.	1117+28.50	0.00	428.95



WEST APPROACH PLAN



DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	1116+98.50	12.00	428.65
A1	1117+08.50	12.00	428.69
A2	1117+18.50	12.00	428.73
Bk. W. Abut.	1117+28.50	12.00	428.77

SOUTH APPROACH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Pav't	1116+98.50	18.42	428.52
A1	1117+08.50	18.42	428.56
A2	1117+18.50	18.00	428.60
Bk. W. Abut.	1117+28.50	18.00	428.64

**TOP OF WEST APPROACH
PAVEMENT ELEVATIONS**

SHEET NO. 9	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	40
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

040078_76976_ID.EAPP.DGN DEC. 8, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH APPROACH CURB LINE

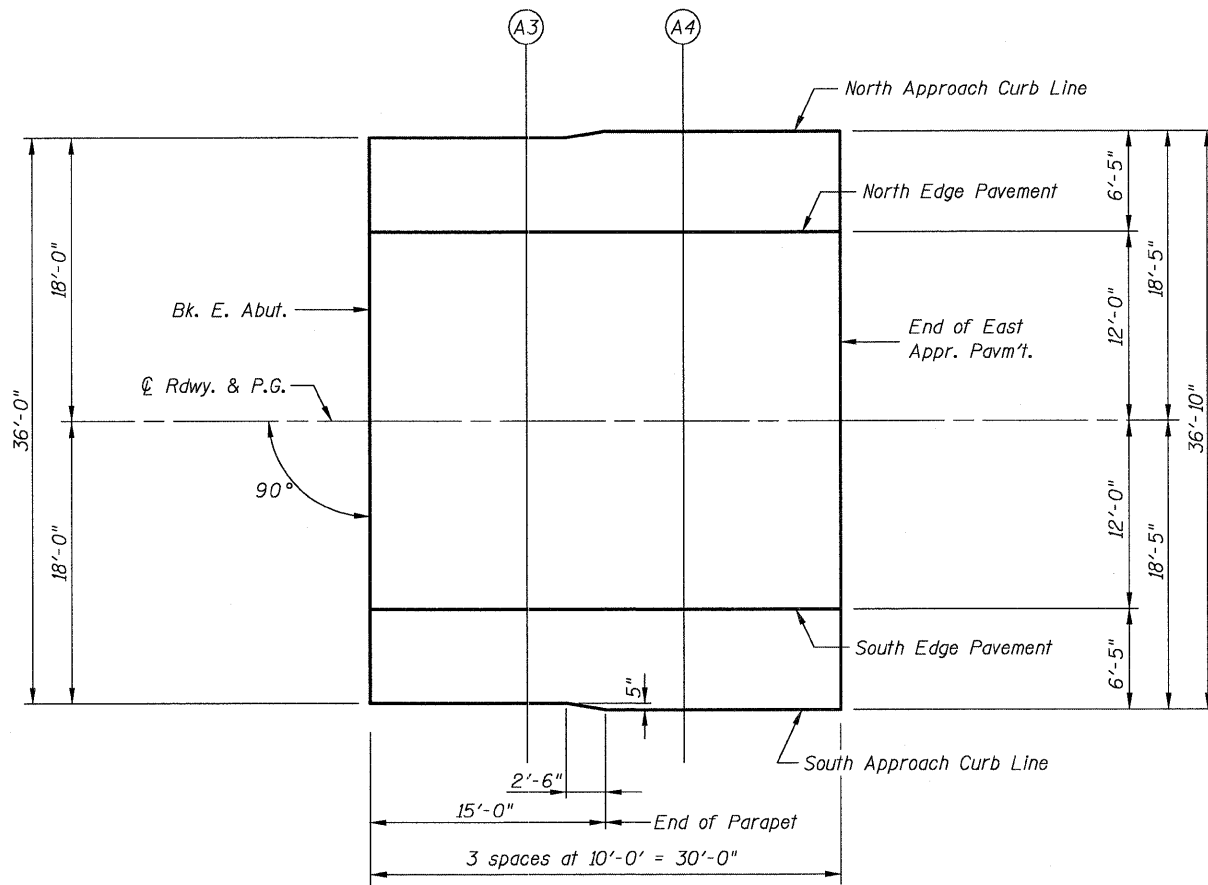
Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	1120+81.50	-18.00	427.26
A3	1120+91.50	-18.00	427.17
A4	1121+01.50	-18.42	427.07
End E. Appr. Pav't	1121+11.50	-18.42	426.98

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	1120+81.50	-12.00	427.38
A3	1120+91.50	-12.00	427.29
A4	1121+01.50	-12.00	427.20
End E. Appr. Pav't	1121+11.50	-12.00	427.11

☉ ROADWAY & PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	1120+81.50	0.00	427.57
A3	1120+91.50	0.00	427.48
A4	1121+01.50	0.00	427.39
End E. Appr. Pav't	1121+11.50	0.00	427.30



EAST APPROACH PLAN



SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	1120+81.50	12.00	427.38
A3	1120+91.50	12.00	427.29
A4	1121+01.50	12.00	427.20
End E. Appr. Pav't	1121+11.50	12.00	427.11

SOUTH APPROACH CURB LINE

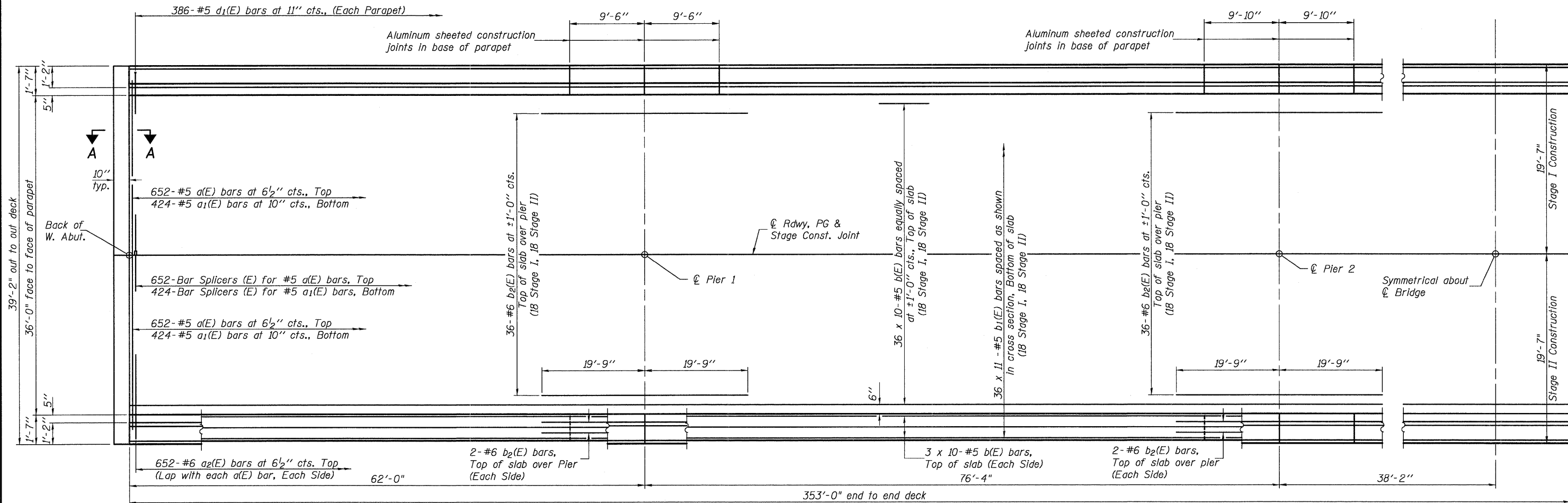
Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	1120+81.50	18.00	427.26
A3	1120+91.50	18.00	427.17
A4	1121+01.50	18.42	427.07
End E. Appr. Pav't	1121+11.50	18.42	426.98

**TOP OF EAST APPROACH
PAVEMENT ELEVATIONS**

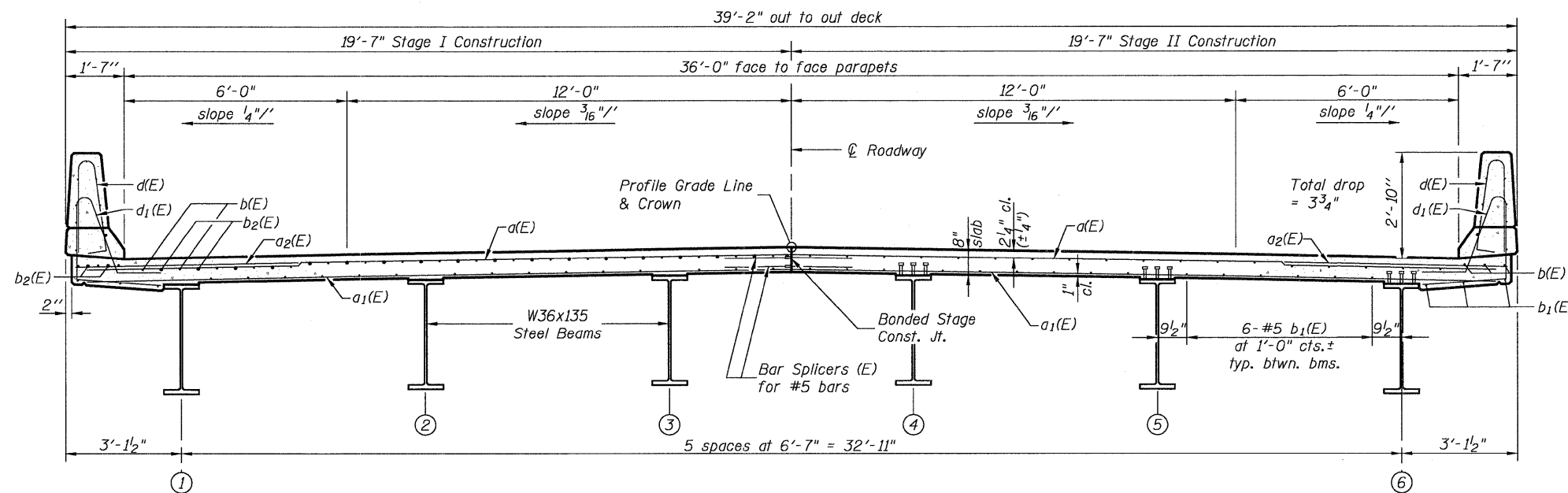
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 10	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	41
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PARTIAL PLAN



Notes:
See Sheet 12 of 34 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 12 of 34 for parapet reinforcement.
Section A-A shown on Sheet 15 of 34.
See Sheet 12 of 34 for scupper reinforcement.

MIN. BAR LAP
#5 bar = 2'-2"

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.
SI-2-0	
5-16-08	

NEAR PIER

CROSS SECTION
(Looking East)

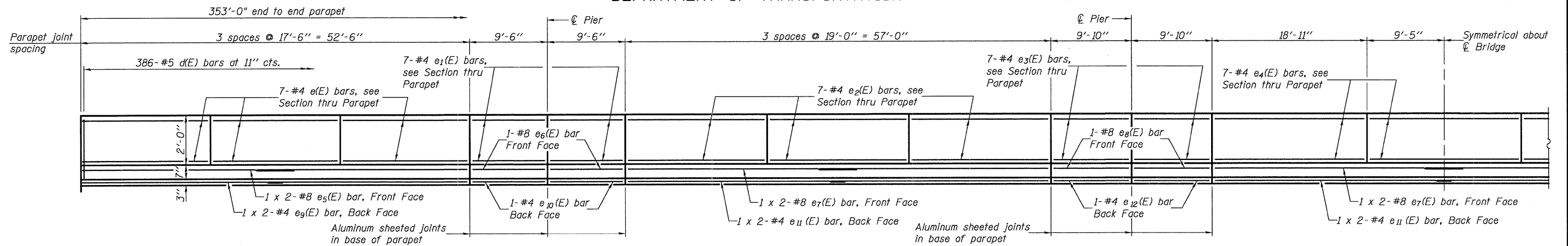
NEAR MIDSPAN

SUPERSTRUCTURE

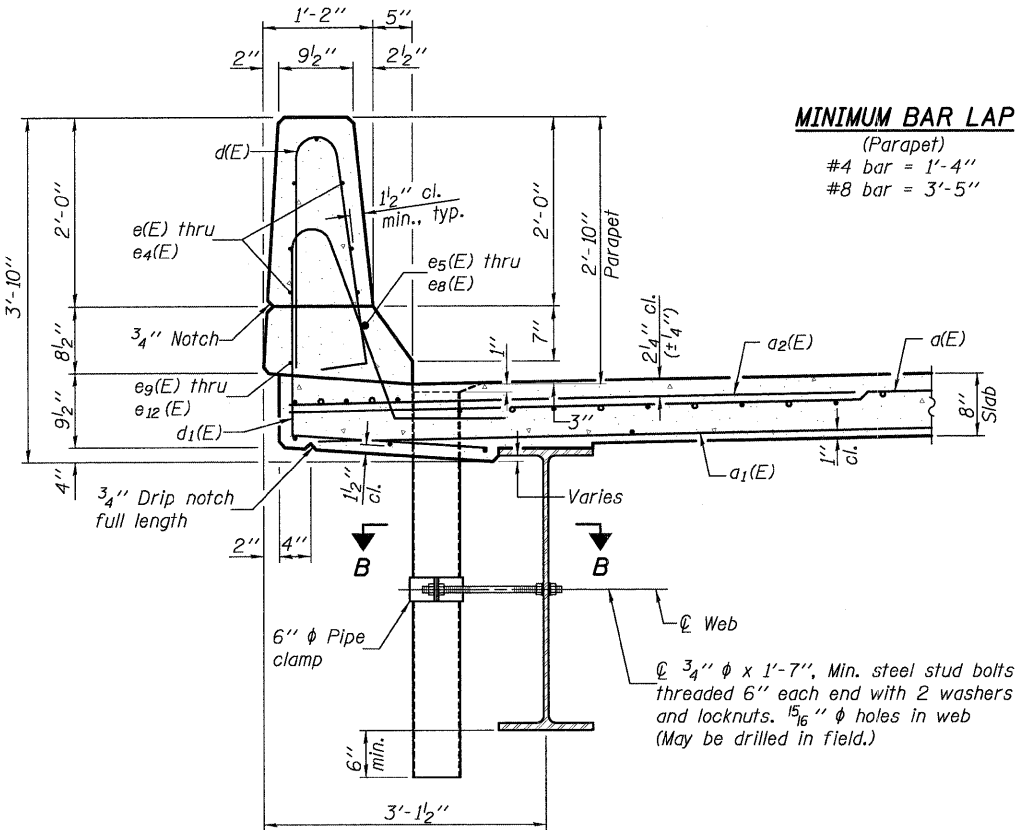
SHEET NO. 11 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 42
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

0140078.76976.12.SSD1.DGN NOV. 21, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



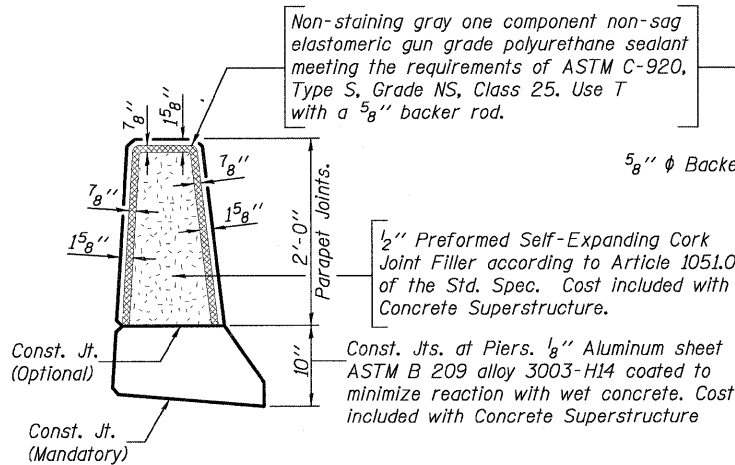
INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET

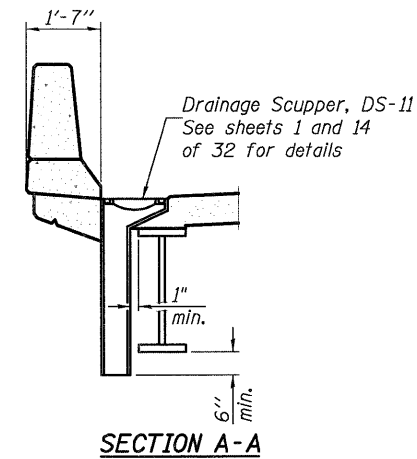
MINIMUM BAR LAP

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

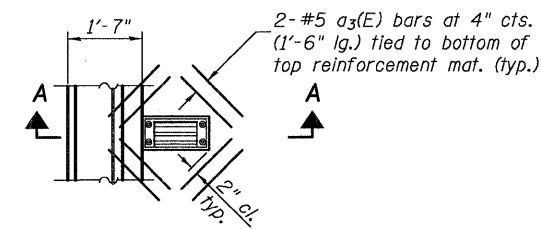


PARAPET JOINT DETAILS

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Society of Protective Coatings Spec. SSPC-SP1 prior to painting.
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
Drains shall be located clear of all diaphragms.



SECTION A-A



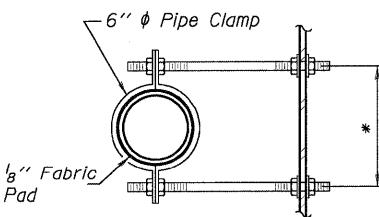
SCUPPER PLAN

Note:
Cut longitudinal reinforcement to clear drainage scuppers.

**SUPERSTRUCTURE
BILL OF MATERIAL**

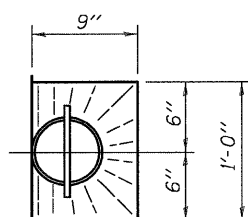
Bar	No.	Size	Length	Shape
d(E)	1,304	#5	19'-1"	—
a1(E)	848	#5	18'-6"	—
a2(E)	1,304	#6	6'-0"	—
a3(E)	16	#5	1'-6"	—
b(E)	420	#5	37'-3"	—
b1(E)	396	#5	34'-1"	—
b2(E)	160	#6	39'-6"	—
d(E)	772	#5	5'-7"	—
d1(E)	772	#5	7'-10"	—
e(E)	84	#4	17'-3"	—
e1(E)	56	#4	9'-3"	—
e2(E)	84	#4	18'-9"	—
e3(E)	56	#4	9'-7"	—
e4(E)	42	#4	18'-7"	—
e5(E)	8	#8	27'-10"	—
e6(E)	8	#8	9'-3"	—
e7(E)	12	#8	30'-1"	—
e8(E)	8	#8	9'-7"	—
e9(E)	8	#4	26'-10"	—
e10(E)	8	#4	9'-3"	—
e11(E)	12	#4	29'-0"	—
e12(E)	8	#4	9'-7"	—
m(E)	8	#6	18'-5"	—
m1(E)	12	#6	19'-3"	—
m2(E)	24	#6	8'-2"	—
m3(E)	8	#6	6'-3"	—
m4(E)	8	#6	2'-10"	—
s(E)	84	#5	6'-11"	—
s1(E)	72	#4	10'-0"	—
Reinforcement Bars, Epoxy Coated	Pound		112,530	
Concrete Superstructure	Cu. Yds.		466.4	
Bar Splicers (E)	Each		1,092	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

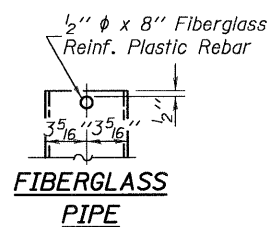


SECTION B-B

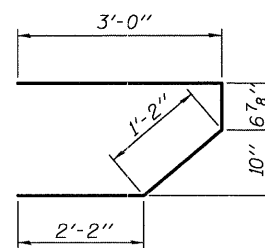
*Dimension as required by Pipe Clamp



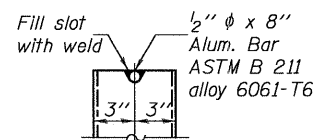
TOP PLAN



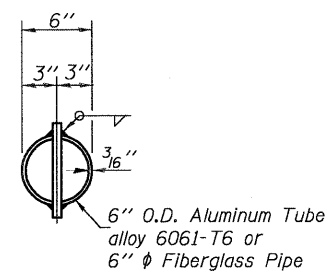
FIBERGLASS PIPE



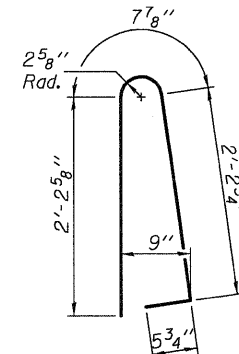
BAR s(E)



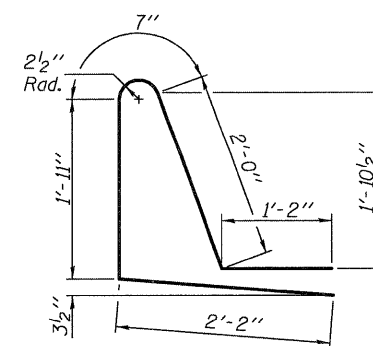
ALUMINUM TUBE



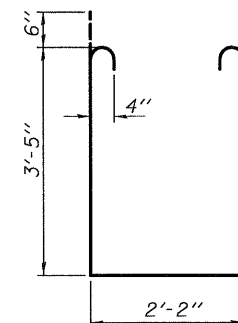
**TOP PLAN
(Showing Aluminum Tube)**



BAR d(E)



BAR d1(E)



BAR s1(E)

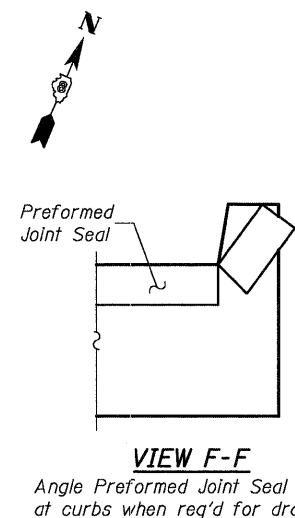
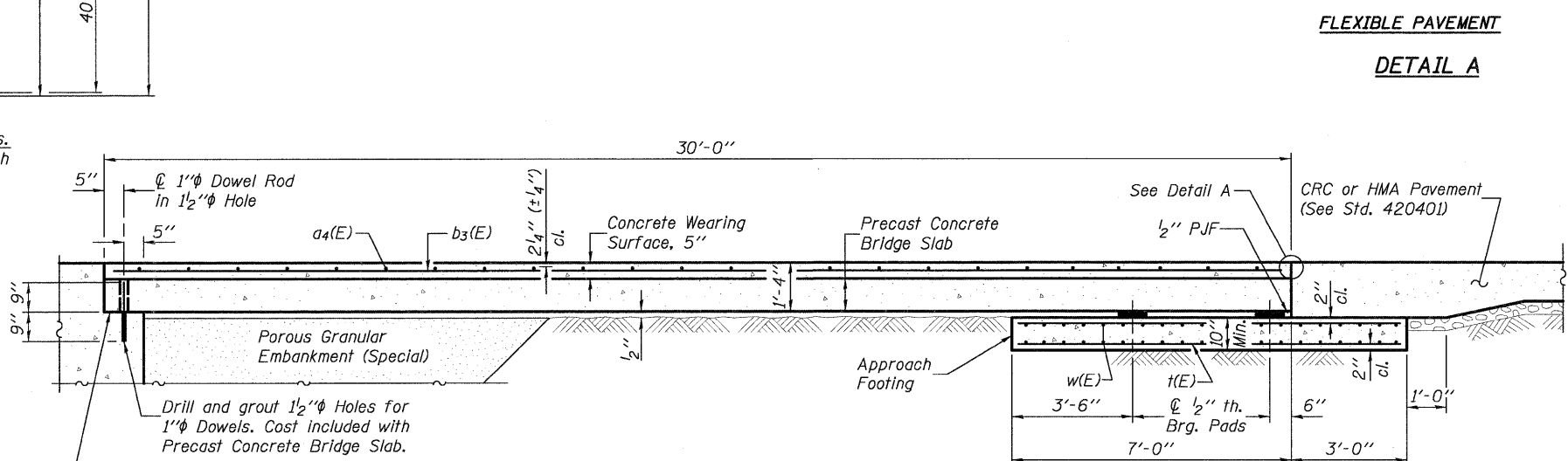
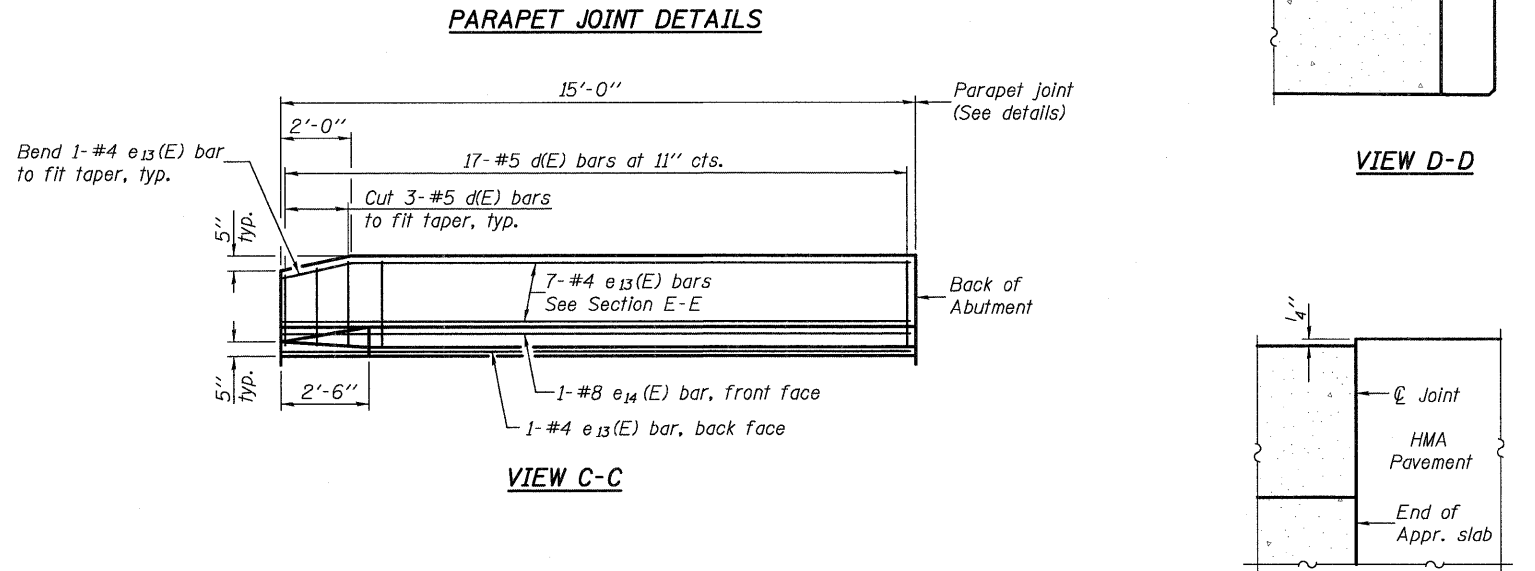
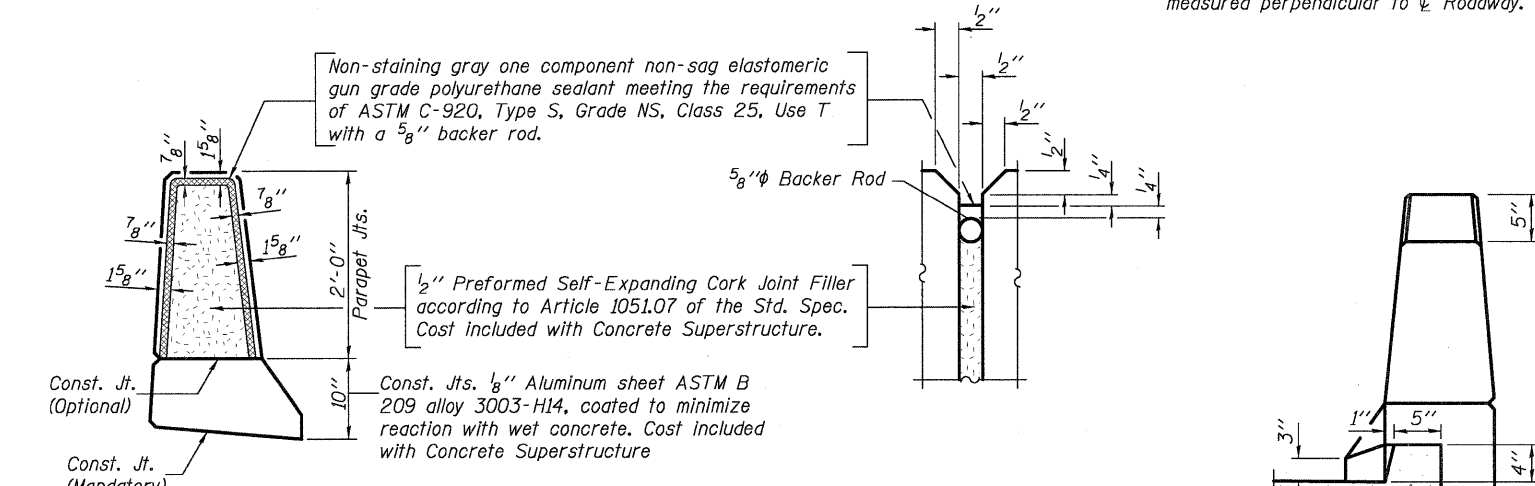
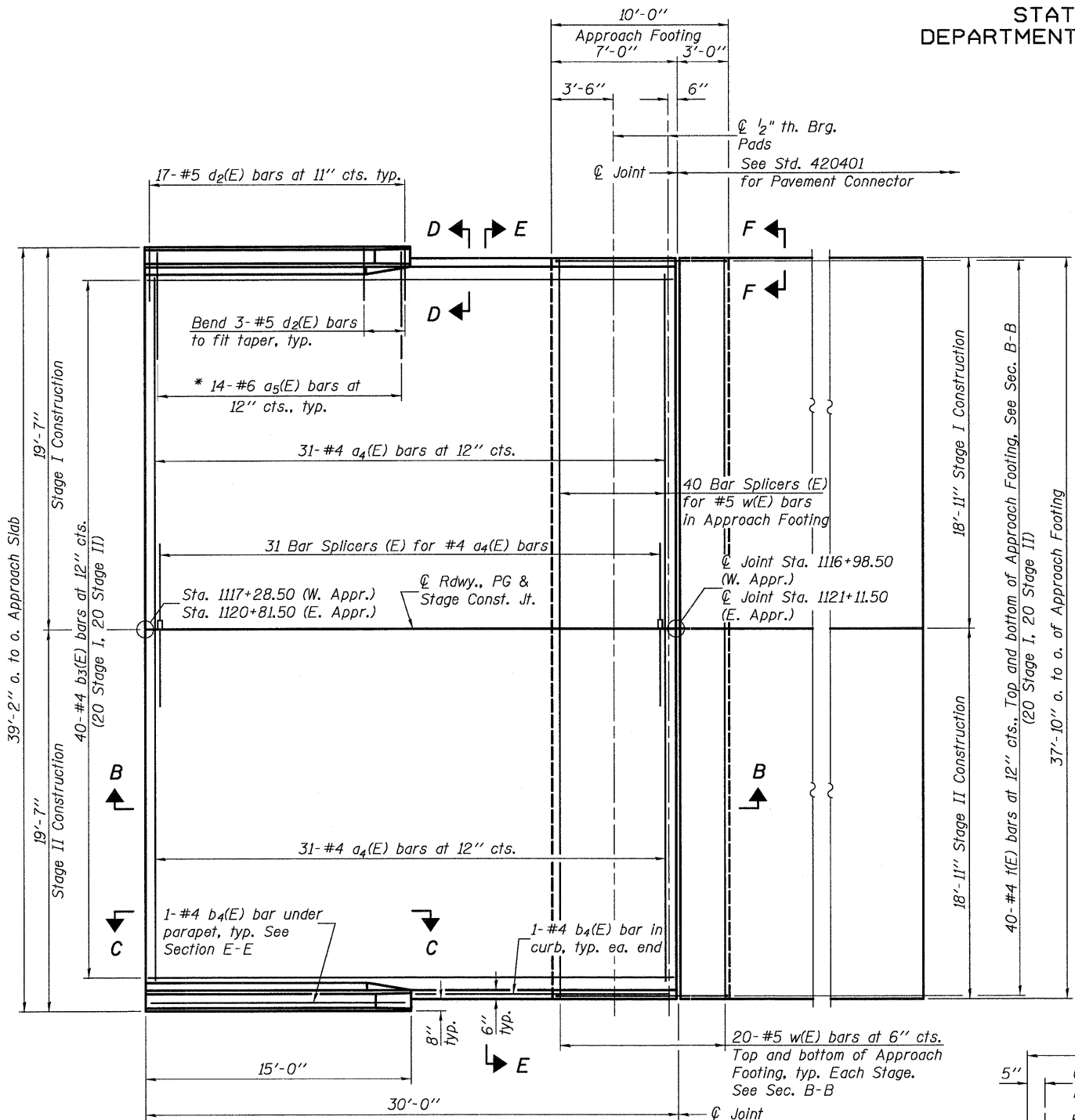
SUPERSTRUCTURE DETAILS

SHEET NO. 12	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	25	43
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

0140078_76976_13_AFDI.DGN DEC. 8, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
a₄(E), a₅(E), and w(E) bar spacings measured perpendicular to ϕ Roadway.



Note:
The Approach Footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

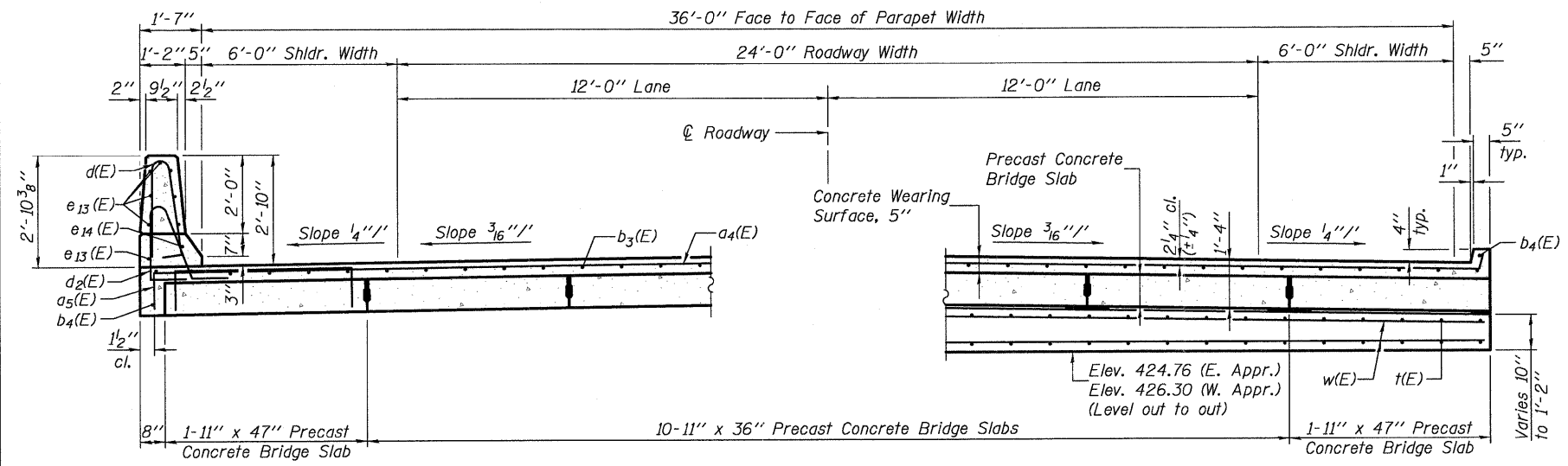
(Sheet 1 of 2)
COMPOSITE BRIDGE APPROACH SLAB DETAILS

SHEET NO. 13	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	44
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

H.M. & G. NO. 6020.131

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
Cast-in-place substitution of Precast Concrete Bridge Slab is not allowed. Parapet concrete shall be paid for as Concrete Superstructure.
Parapet and wearing surface reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
Approach Footing Concrete shall be paid for as Concrete Structures.
The top surface of Precast Concrete Bridge Slabs shall be roughened to a depth of 1/4" according to the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products".
Precast Concrete Bridge Slabs shall be erected per Article 504.06 of the Standard Specifications.
After Precast Concrete Bridge Slab has been erected, holes shall be drilled into corbel and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of Precast Slab and allowed to cure fully prior to grouting the longitudinal shear keys.
Two 3/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Concrete Bridge Slab. A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling. Compressive strength of precast concrete, f'c, shall be 6,000 psi.
For additional parapet details, see sheet 13 of 34.
Any concrete poured monolithically with the wearing surface, such as curbs, will not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

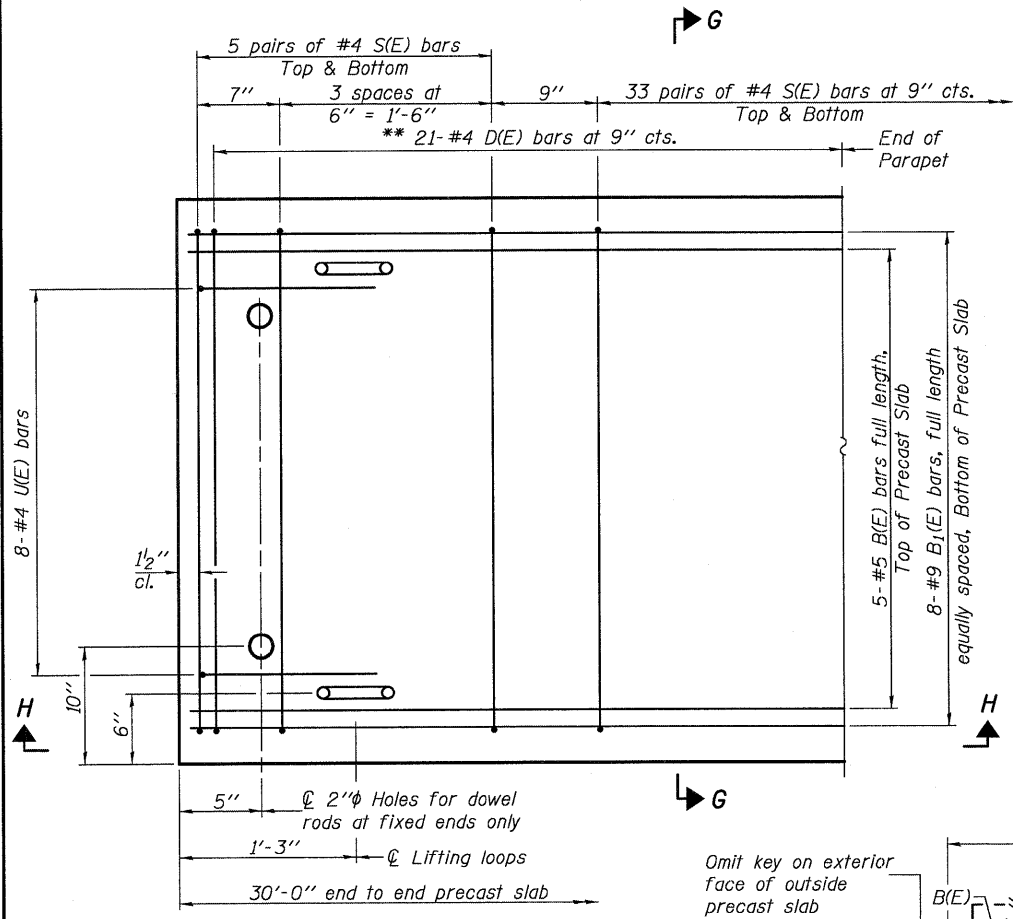


NEAR ABUTMENT

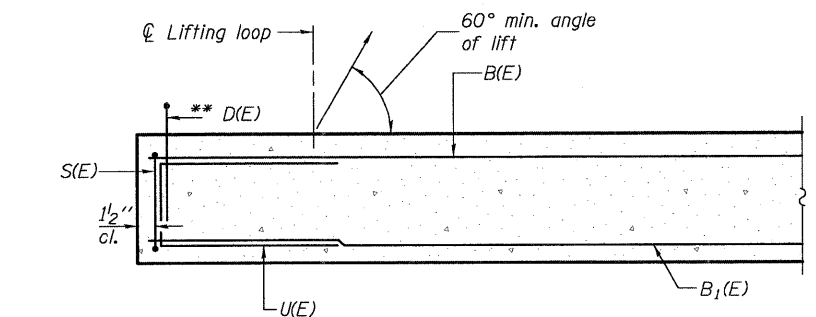
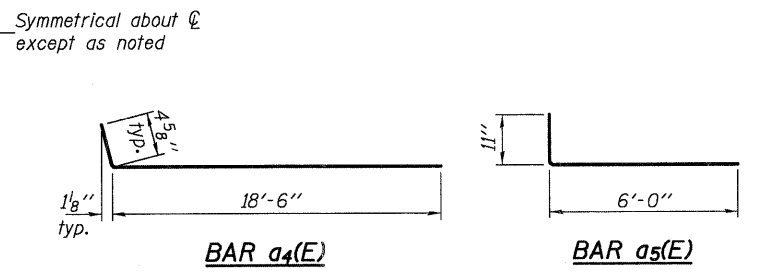
AT APPROACH FOOTING

SECTION E-E

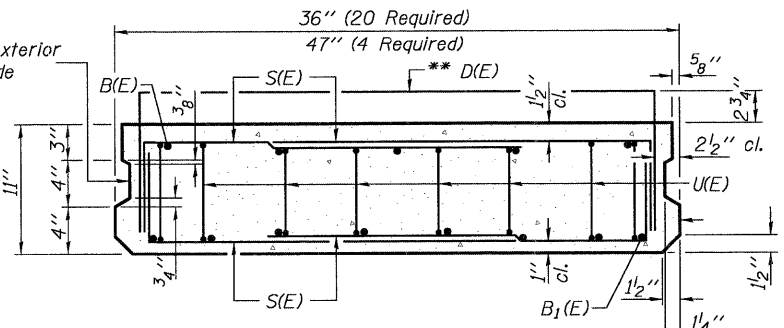
(See Plan for Dimensions not Shown)



PRECAST CONCRETE BRIDGE SLAB PLAN

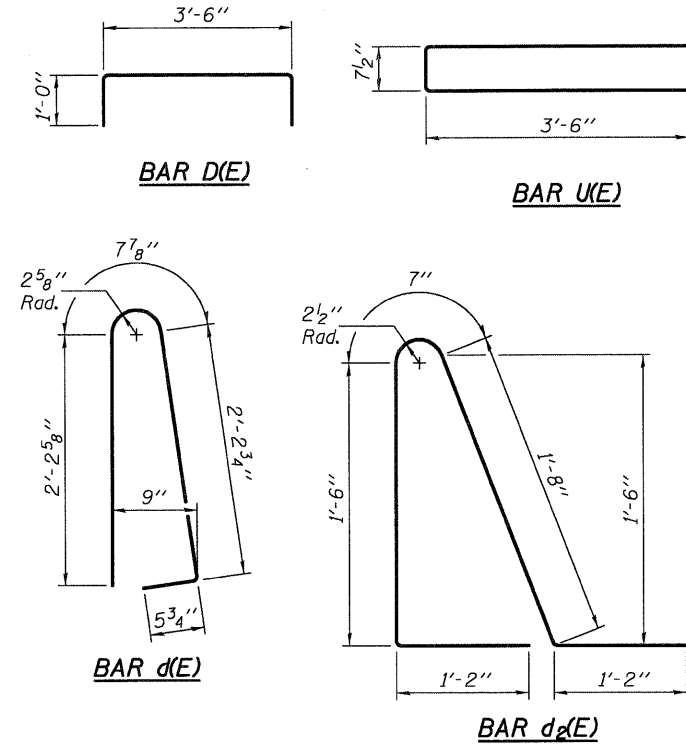


SECTION H-H



SECTION G-G

(Showing Dimensions & Reinforcement)



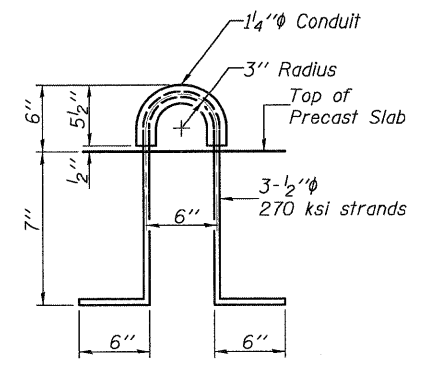
BAR D(E)

BAR U(E)

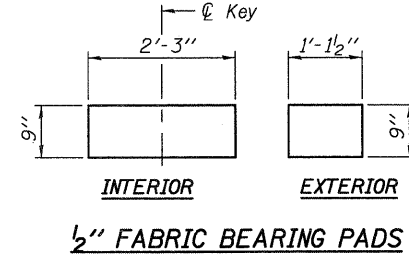
BAR d(E)

BAR d2(E)

BAR S(E)



LIFTING LOOP DETAIL



1/2" FABRIC BEARING PADS

* BAR LIST
(ONE PRECAST CONCRETE BRIDGE SLAB)

Bar	No.	Size	Length	Shape
B(E)	5	#5	29'-8"	—
B1(E)	8	#9	29'-8"	—
** D(E)	21	#4	5'-6"	⌊
S(E)	172	#4	3'-5"	⌊
U(E)	16	#4	7'-8"	⌊

* For Information Only
** Exterior Precast Slab Only

BILL OF MATERIAL
(TWO APPROACHES)

Bar	No.	Size	Length	Shape
a4(E)	124	#4	18'-11"	⌊
a5(E)	56	#6	6'-11"	⌊
b3(E)	80	#4	29'-8"	—
b4(E)	8	#4	14'-8"	—
d(E)	68	#5	5'-7"	⌊
d2(E)	68	#5	6'-1"	⌊
e13(E)	32	#4	14'-8"	—
e14(E)	4	#8	14'-8"	—
t(E)	160	#4	9'-8"	—
w(E)	160	#5	18'-6"	—
Concrete Superstructure			Cu. Yd.	6.7
Concrete Structures			Cu. Yd.	28.0
Reinforcement Bars, Epoxy Coated			Pound	9,230
Precast Concrete Bridge Slab			Sq. Ft.	2,270
Concrete Wearing Surface, 5"			Sq. Yd.	253
Bar Splicers (E)			Each	142
Structure Excavation			Cu. Yd.	44

(Sheet 2 of 2)
COMPOSITE BRIDGE APPROACH SLAB DETAILS

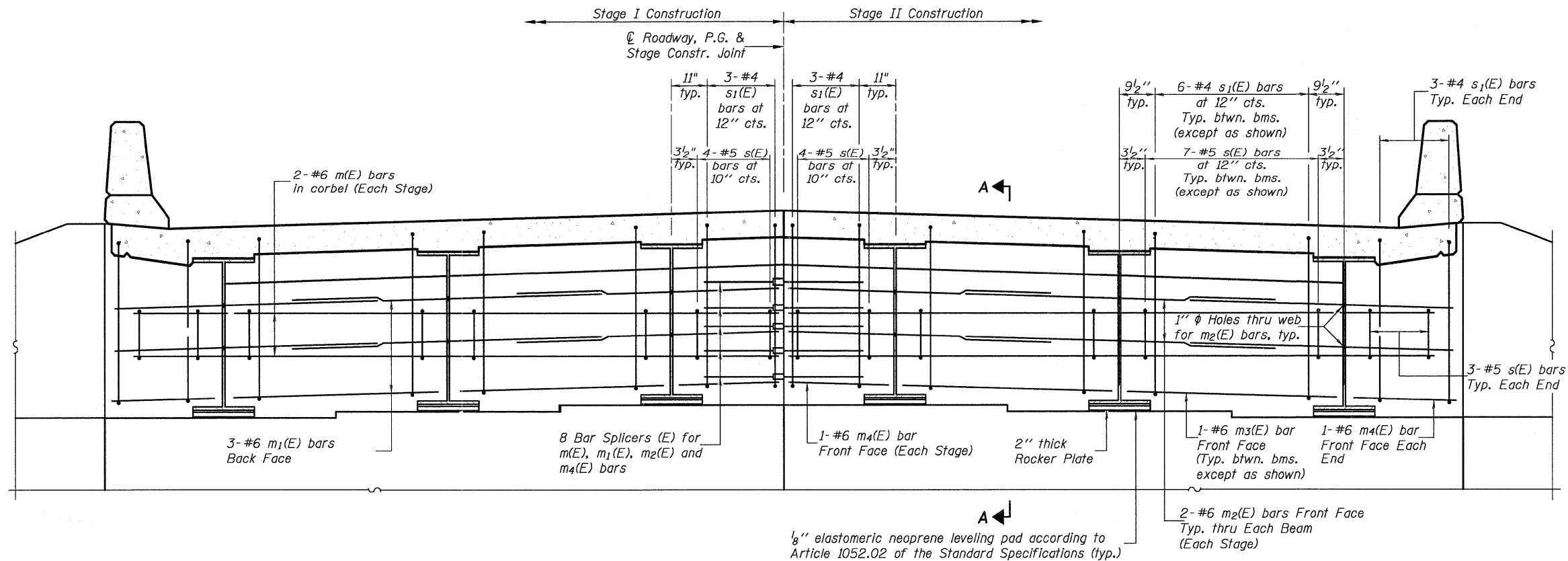
SHEET NO. 14 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 8.5	SHEET NO. 45
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

0140078.76976.14.APDT.DGN DEC. 8, 2008

H.M. & C. NO. 6020.131

04/0078.76976_15.DIAP.DGN NOV. 21, 2008

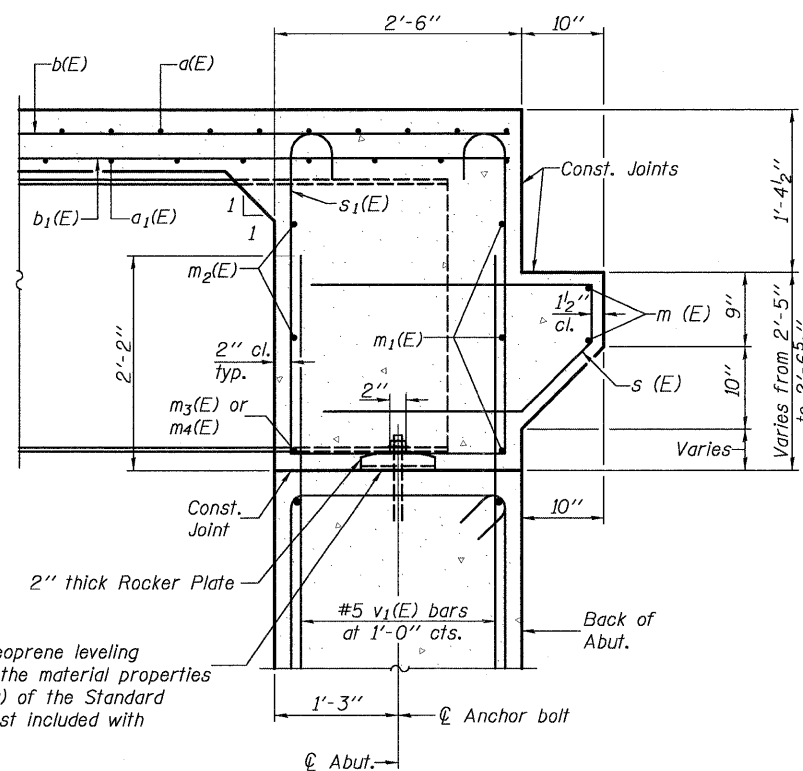
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DIAPHRAGM ELEVATION AT EAST ABUTMENT
(Looking East)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 12 of 34.
Concrete in diaphragm is included with Concrete Superstructure on sheet 12 of 34.
For details of bars s(E) & s1(E) see sheet 12 of 34.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP
#6 bar = 2'-7"



SECTION A-A

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

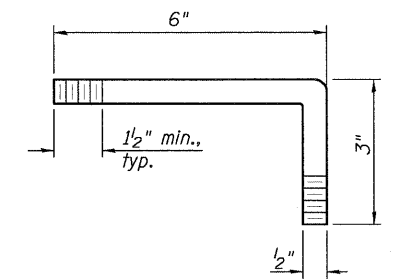
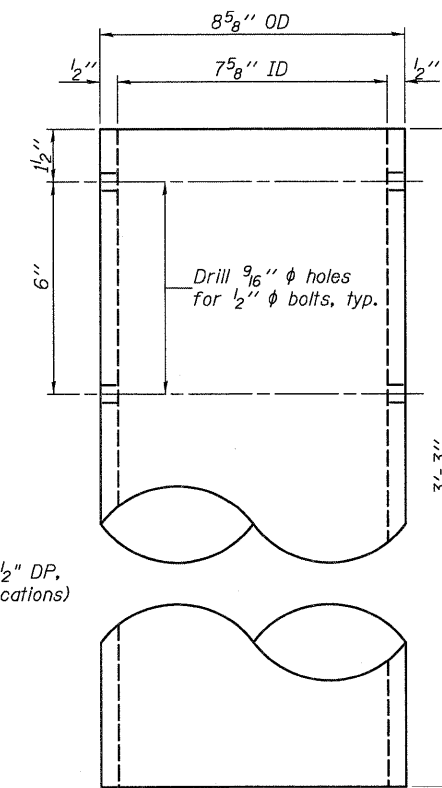
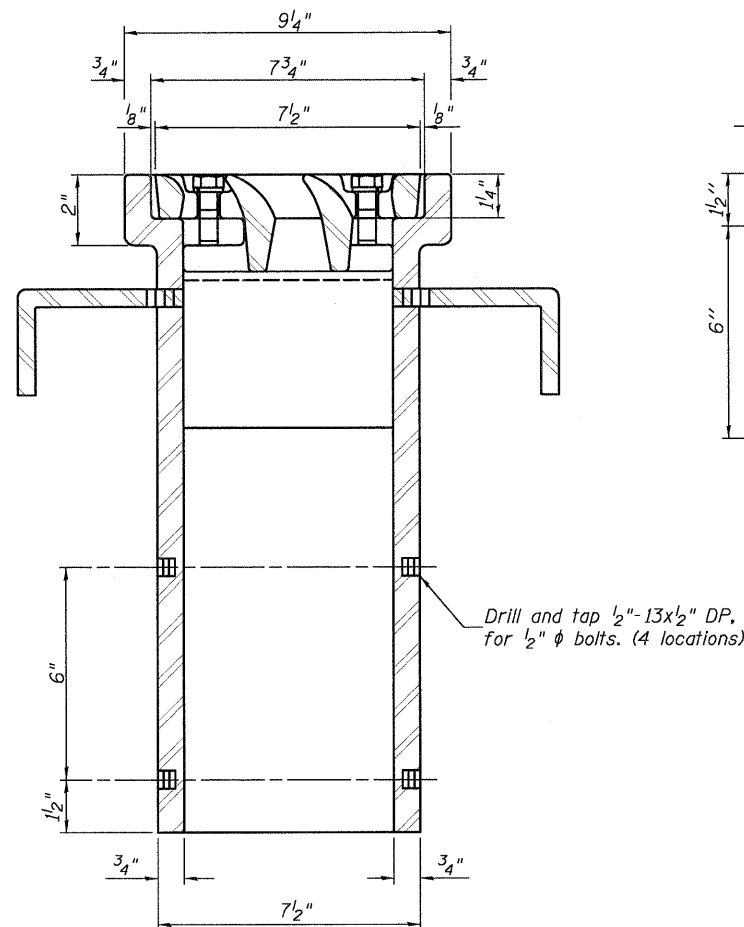
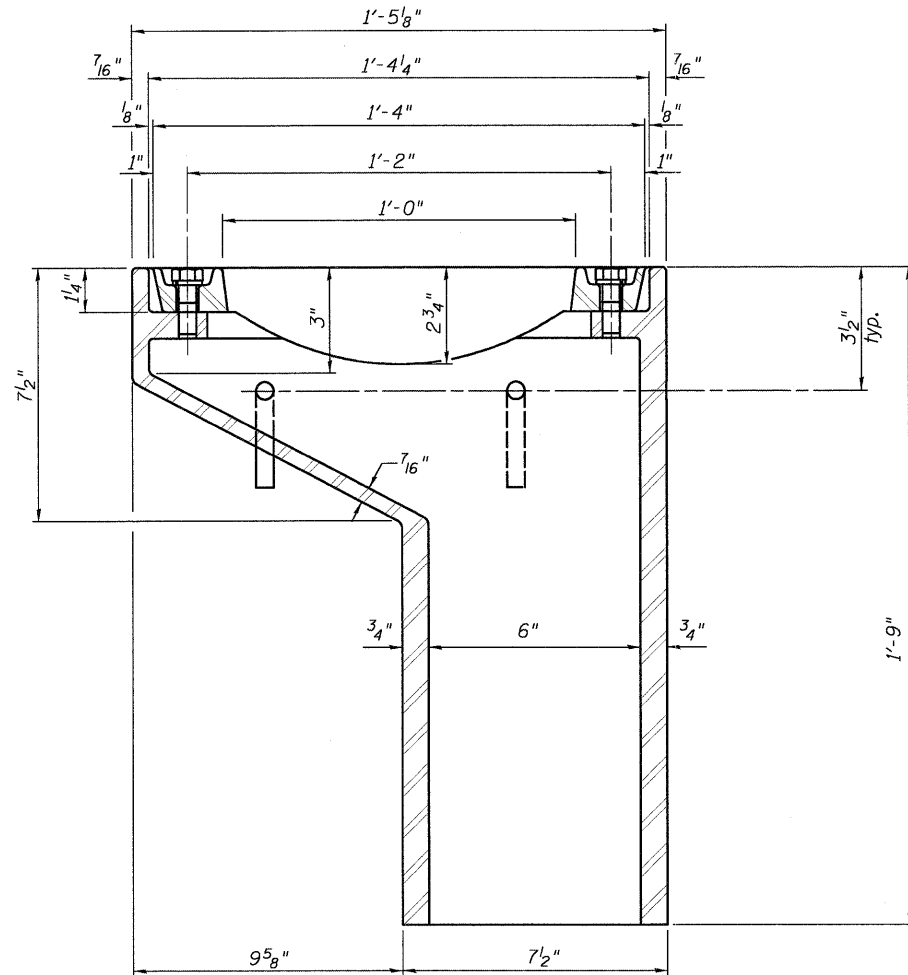
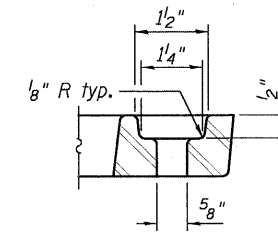
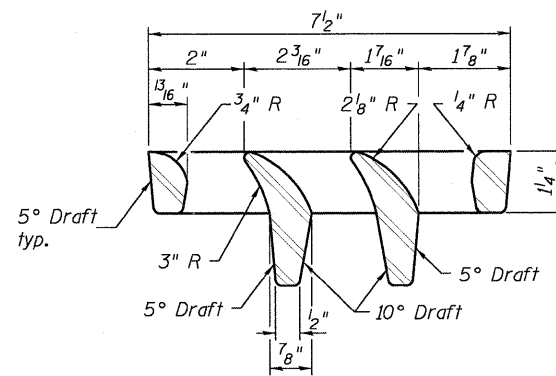
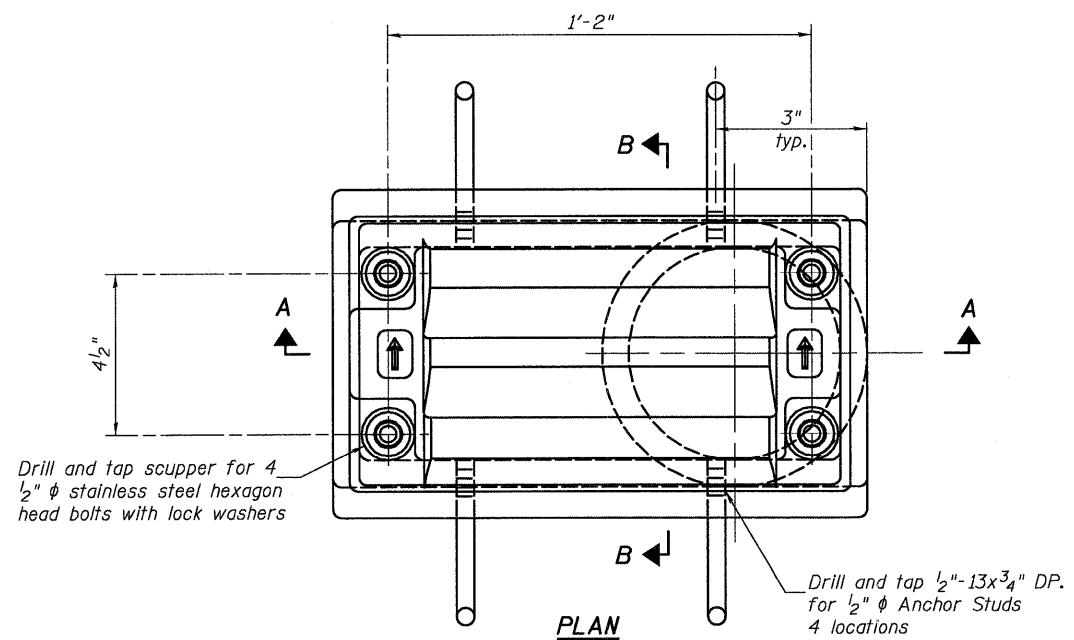
INTEGRAL ABUTMENT DIAPHRAGM DETAILS

SHEET NO. 15	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	46
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.131

0140078-76976-16-SCPR.DGN NOV. 21, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Notes:
All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.
Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.
Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.
Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M11.
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.
Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	2

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

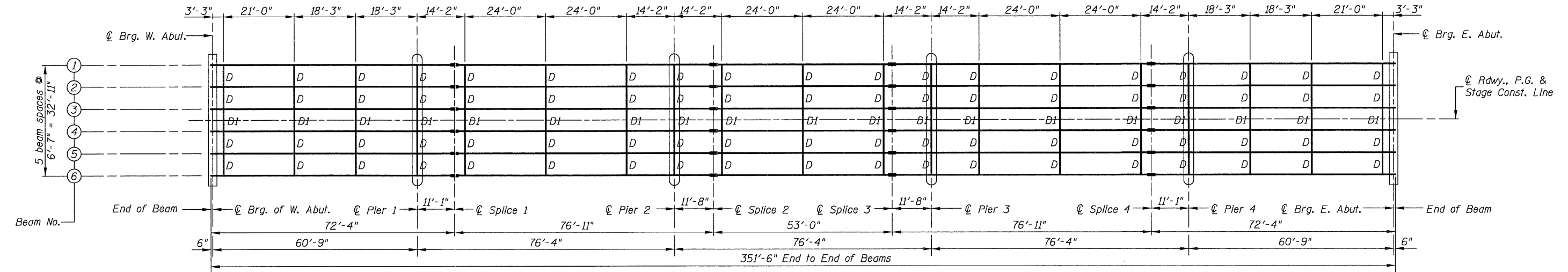
DS-11 11-1-06

DRAINAGE SCUPPER, DS-11

SHEET NO. 16	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	47
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

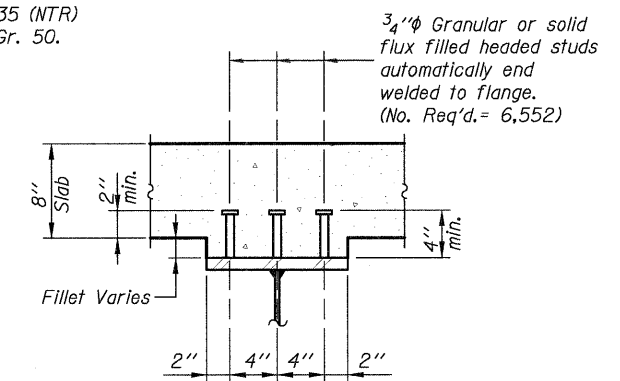
0140078_76976-IT_FRPL_DGN NOV. 21, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

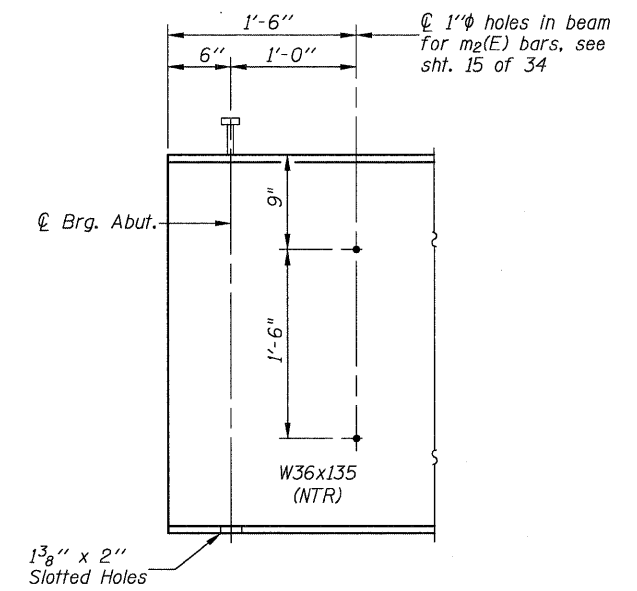


FRAMING PLAN

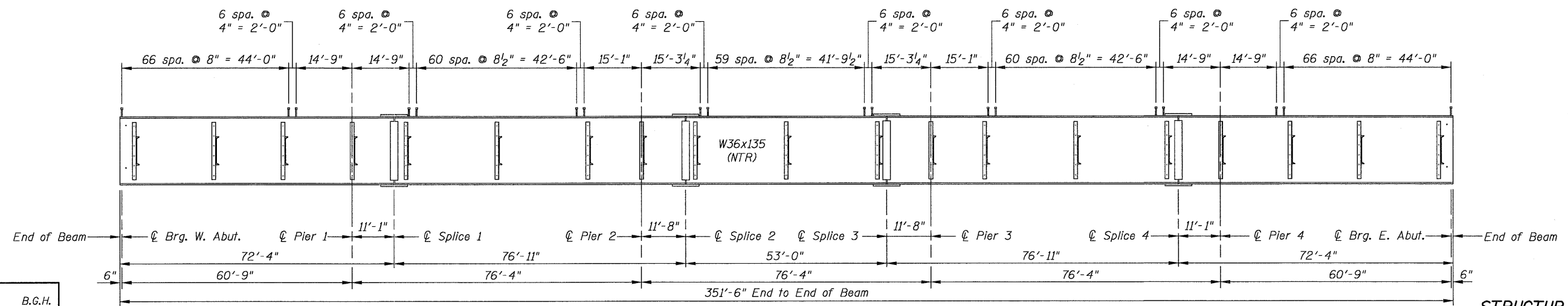
All beams are W36x135 (NTR) and AASHTO M270, Gr. 50.



SECTION A-A



TYP. END OF BEAM ELEVATION



BEAM ELEVATION

Note:
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 17 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 48
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

STRUCTURAL STEEL

H.M. & G. NO. 6020.131

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

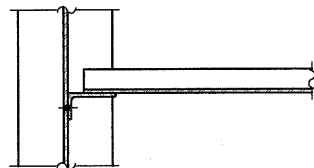
Notes:

Two hardened washers required for each set of oversized holes.

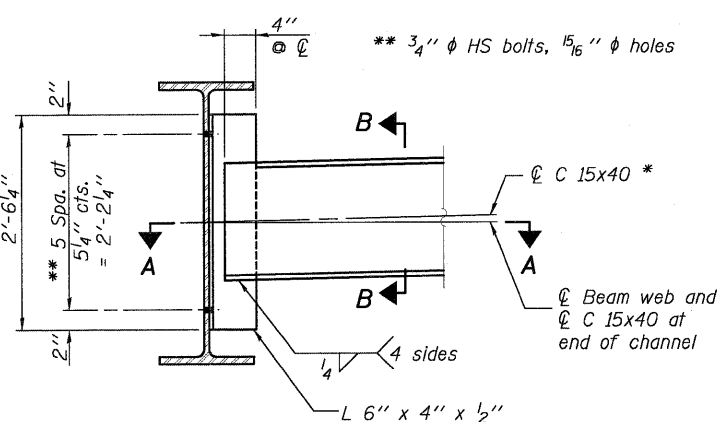
All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

All diaphragms and connecting angles shall conform to the requirements of AASHTO M270, Grade 36. Splice plates shall conform to the requirements of AASHTO M270, Grade 50.

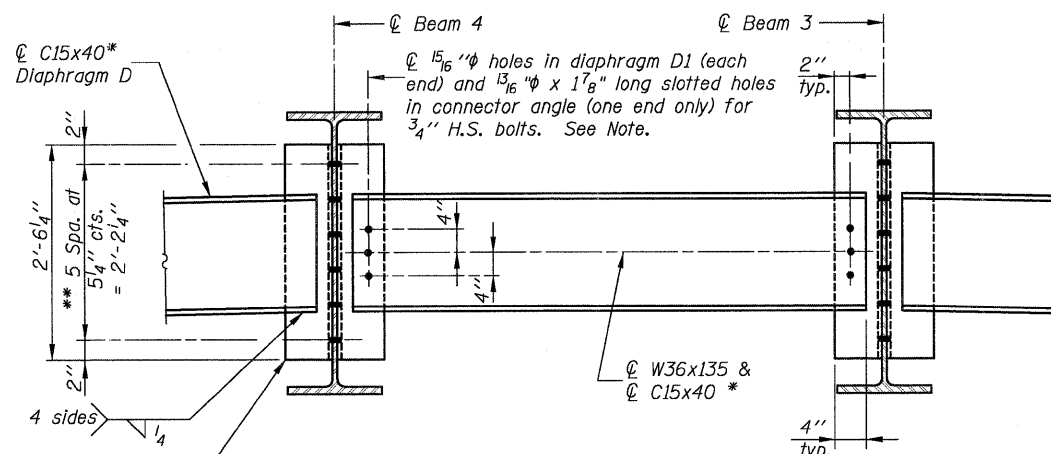
Bolts in slots shall be finger tight until the second stage pour is complete. Position slots so bolts start at one end with no concrete load and finish near the opposite end under deck load allowing maximum displacement without laterally stressing main members. All holes shall have appropriate hardened or plate washers.



SECTION A-A

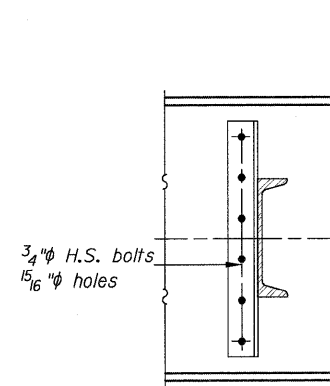


DIAPHRAGM D
(76 Required)

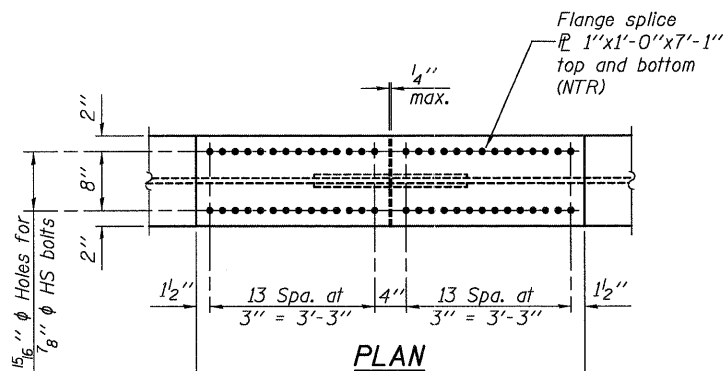


DIAPHRAGM D1
(19 Required)

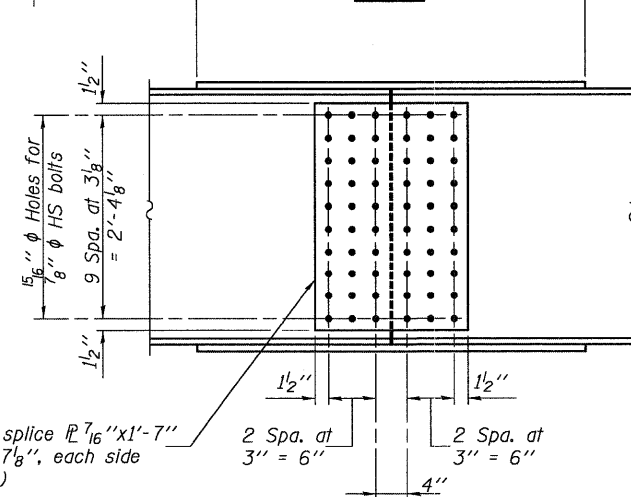
* Alternate channel C 15x50 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no additional cost to the Department.



SECTION B-B



PLAN



ELEVATION

SPLICE DETAIL
(24 Required)

Note:

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

TOP OF BEAM ELEVATIONS

(For Fabrication Only)

Beam No.	W. Abut.	Pier 1	Splice 1	Pier 2	Splice 2	Splice 3	Pier 3	Splice 4	Pier 4	E. Abut.
1	427.958	428.053	428.070	427.997	427.984	427.748	427.658	427.157	427.068	426.581
2	428.084	428.179	428.196	428.123	428.110	427.874	427.784	427.283	427.194	426.707
3	428.187	428.282	428.299	428.226	428.213	427.977	427.887	427.386	427.297	426.810
4	428.187	428.282	428.299	428.226	428.213	427.977	427.887	427.386	427.297	426.810
5	428.084	428.179	428.196	428.123	428.110	427.874	427.784	427.283	427.194	426.707
6	427.958	428.053	428.070	427.997	427.984	427.748	427.658	427.157	427.068	426.581

INTERIOR GIRDER MOMENT TABLE

	0.4 Sp. 1 or 0.6 Sp. 5	Pier 1 or Pier 4	0.5 Sp. 2 or 0.5 Sp. 4	Pier 2 or Pier 3	0.5 Sp. 3
I_s	(in ⁴) 7,800	7,800	7,800	7,800	7,800
$I_c(n)$	(in ⁴) 20,200	---	20,200	---	20,200
$I_c(3n)$	(in ⁴) 14,907	---	14,907	---	14,907
S_s	(in ³) 439	439	439	439	439
$S_c(n)$	(in ³) 638	---	638	---	638
$S_c(3n)$	(in ³) 577	---	577	---	577
DC1	(k/ft) 0.83	0.83	0.83	0.83	0.83
M_{DC1}	(k) 210	394	205	405	200
DC2	(k/ft) 0.15	0.15	0.15	0.15	0.15
M_{DC2}	(k) 42	60	47	64	45
DW	(k/ft) 0.30	0.30	0.30	0.30	0.30
M_{DW}	(k) 85	120	94	128	90
$M_k + IM$	(k) 714	523	827	590	833
M_u (Strength I)	(k) 1,692	1,663	1,903	1,811	1,899
$\phi_f M_n, \phi_f M_{nc}$	(k) 3,335	1,829	3,335	1,829	3,335
f_s DC1	(ksi) 5.7	10.8	5.6	11.1	5.5
f_s DC2	(ksi) 0.9	1.6	1.0	1.7	0.9
f_s DW	(ksi) 1.8	3.3	2.0	3.5	1.9
f_s (1.3(I+IM))	(ksi) 17.5	18.6	20.2	21.0	20.4
f_s (Service II)	(ksi) 25.9	34.3	28.8	37.3	28.7
V_f	(k) 23.5	---	20.8	---	20.7

**INTERIOR GIRDER REACTION TABLE
HL93**

	W. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	E. Abut.
R_{DC1}	(k) 18.7	63.2	63.5	63.5	63.2	18.7
R_{DC2}	(k) 3.6	11.2	11.5	11.5	11.2	3.6
R_{DW}	(k) 7.1	22.4	23.0	23.0	22.4	7.1
$R_k + IM$	(k) 78.0	121.0	124.1	124.1	121.0	78.0
R_{Total}	(k) 107.4	217.8	222.1	222.1	217.8	107.4

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in⁴ and in³).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads (in⁴ and in³).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in⁴ and in³).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

$M_k + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_k + IM$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

$\phi_f M_{nc}$: Compact non-composite negative moment capacity computed according to Article A6.1.1 (kip-ft.).

f_s (Service II): Sum of stresses as computed from the moments below (ksi).
 $M_{DC1} + M_{DC2} + M_{DW} + 1.3 M_k + IM$

f_s (Total) (Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_k + IM$

V_f : Maximum factored shear range in composite portion of span computed according to Article 6.10.10.

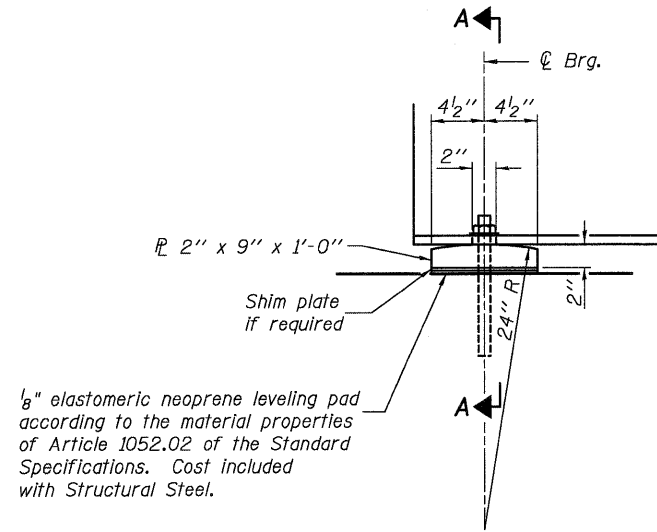
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

STEEL DETAILS

SHEET NO. 18	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	49
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

0140078.76976.19.BRGS.DGN NOV. 21, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION AT ABUTMENT

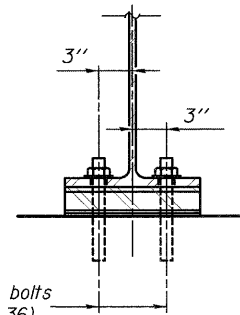
FIXED BEARING AT ABUTMENTS

1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02 of the Standard Specifications. Cost included with Structural Steel.

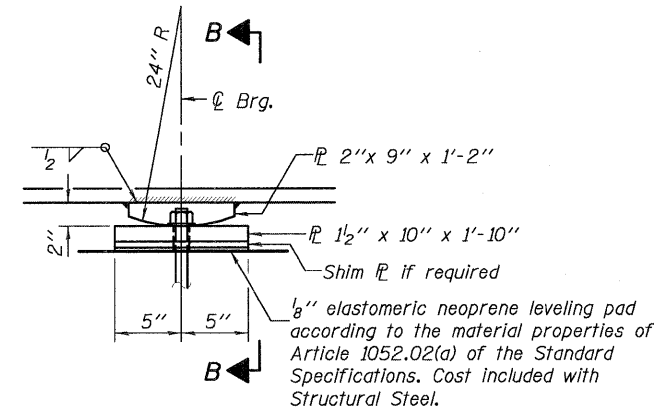
2" x 9" x 1'-0"

Shim plate if required

4 1/2" 4 1/2" 2" 2 1/4" R 2"

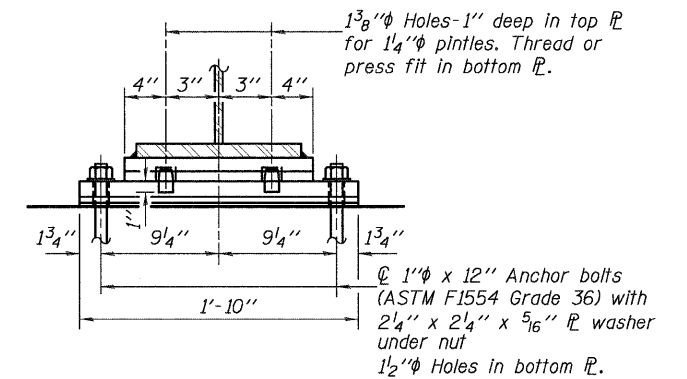


SECTION A-A



ELEVATION AT PIER

FIXED BEARING AT PIERS



SECTION B-B

Notes:

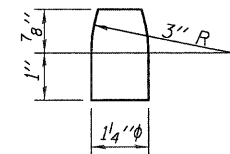
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All bearing plates and pintles shall conform to the requirements of AASHTO M270, Grade 50.



PINTLE

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts 1"	Each	72

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

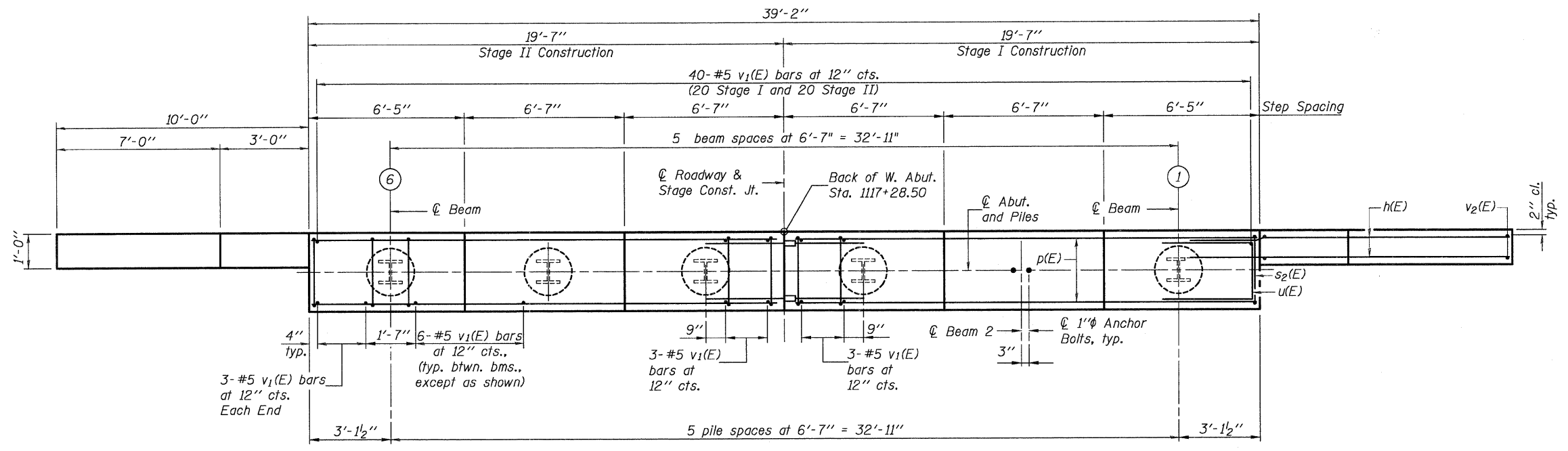
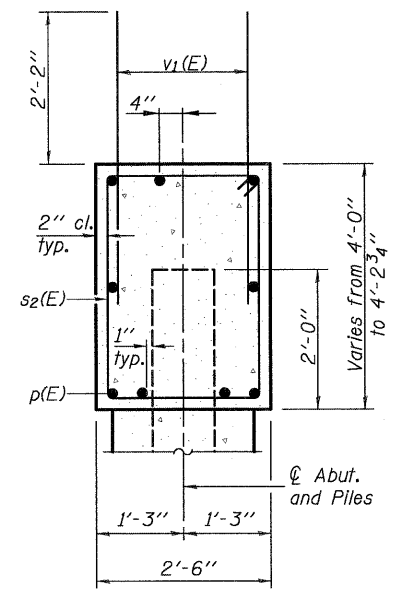
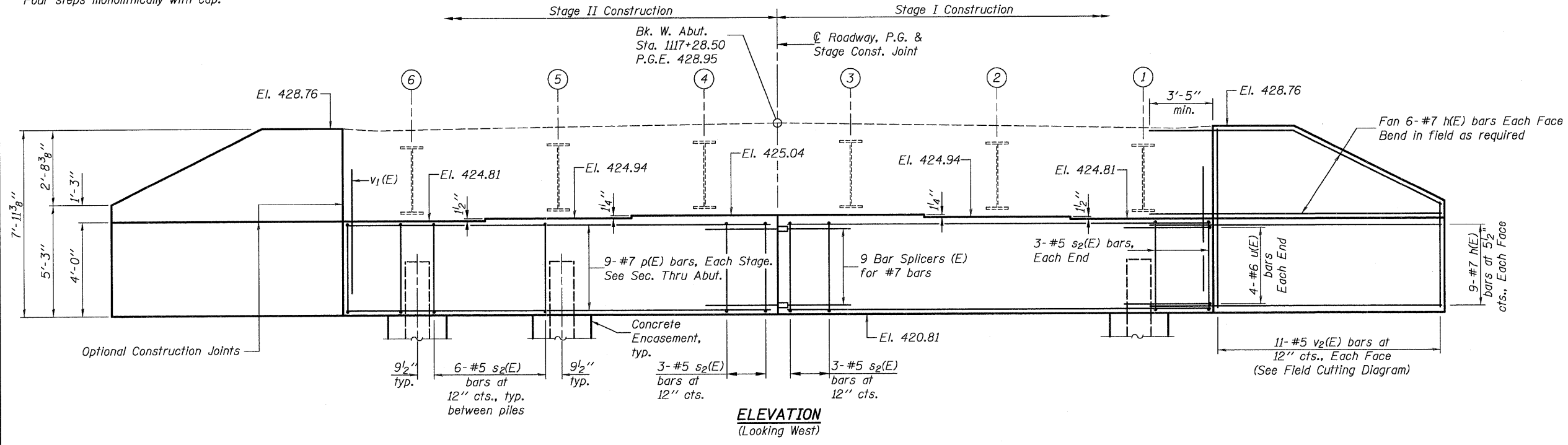
BEARING DETAILS

SHEET NO. 19 34 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	50
S.N. 014-0078			CONTRACT NO. 76976		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

0140078.76976.20.WABT.DGN DEC. 8, 2008

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.



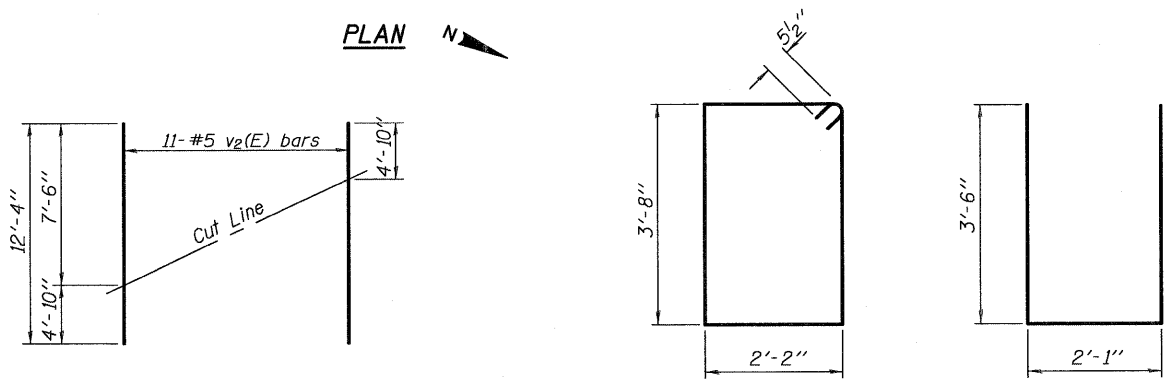
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h(E)	60	#7	14'-0"	—	
p(E)	18	#7	19'-3"	—	
s2(E)	36	#5	12'-7"	□	
u(E)	8	#6	9'-1"	—	
v1(E)	76	#5	4'-4"	—	
v2(E)	22	#5	12'-4"	—	
Structure Excavation				Cu. Yd.	87
Concrete Structures				Cu. Yd.	20.1
Reinforcement Bars, Epoxy Coated				Pound	3,640
Furnishing Steel Piles HP 12x63				Foot	390
Driving Piles				Foot	390
Test Pile Steel HP 12x63				Each	1
Concrete Encasement				Cu. Yd.	2.1
Bar Splicers (E)				Each	9

For details of Bar Splicers, see sheet 26 of 34.
For details of piles and Concrete Encasement, see sheet 27 of 34.

PILE DATA

Type: HP 12x63
Nominal Required Bearing: 497 kips
Factored Resistance Available: 248 kips
Est. Length: 78 feet
No. Production Piles: 5
No. Test Piles: 1



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

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.
AI-0	5-16-08

SHEET NO. 20 34 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	51
	S.N. 014-0078			CONTRACT NO. 76976	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

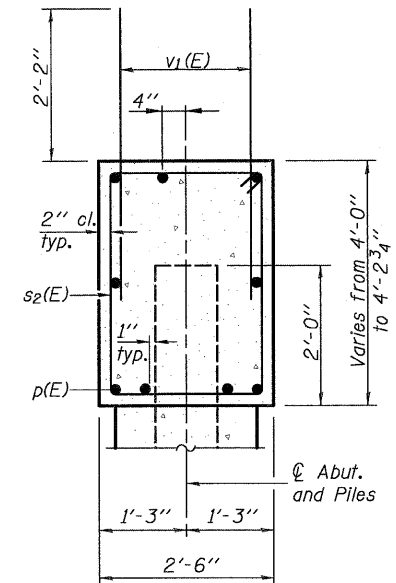
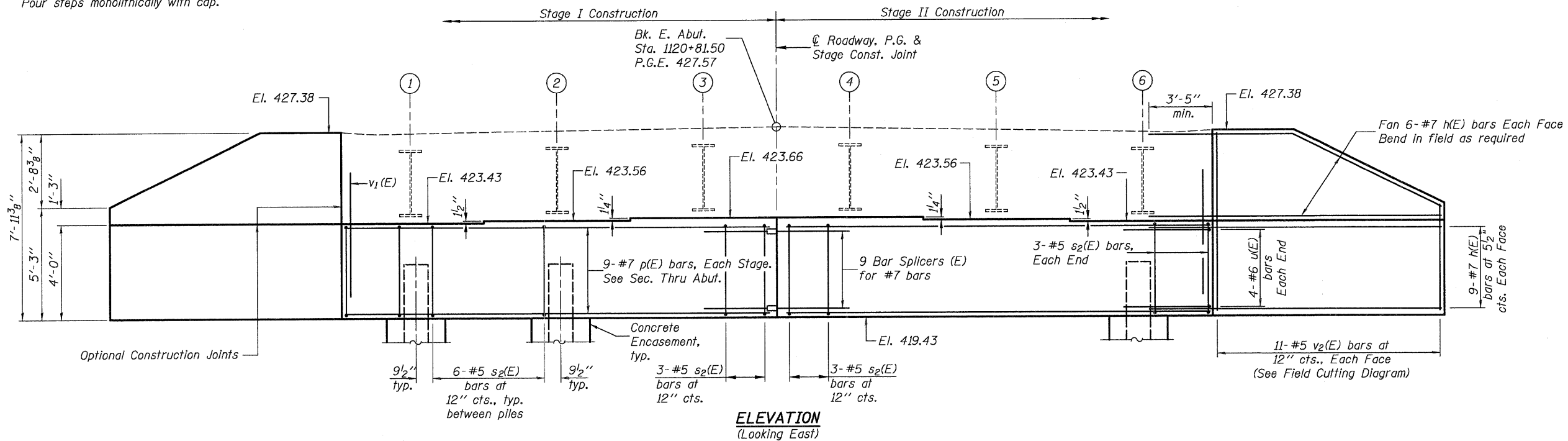
WEST ABUTMENT

H.M. & G. NO. 6020.131

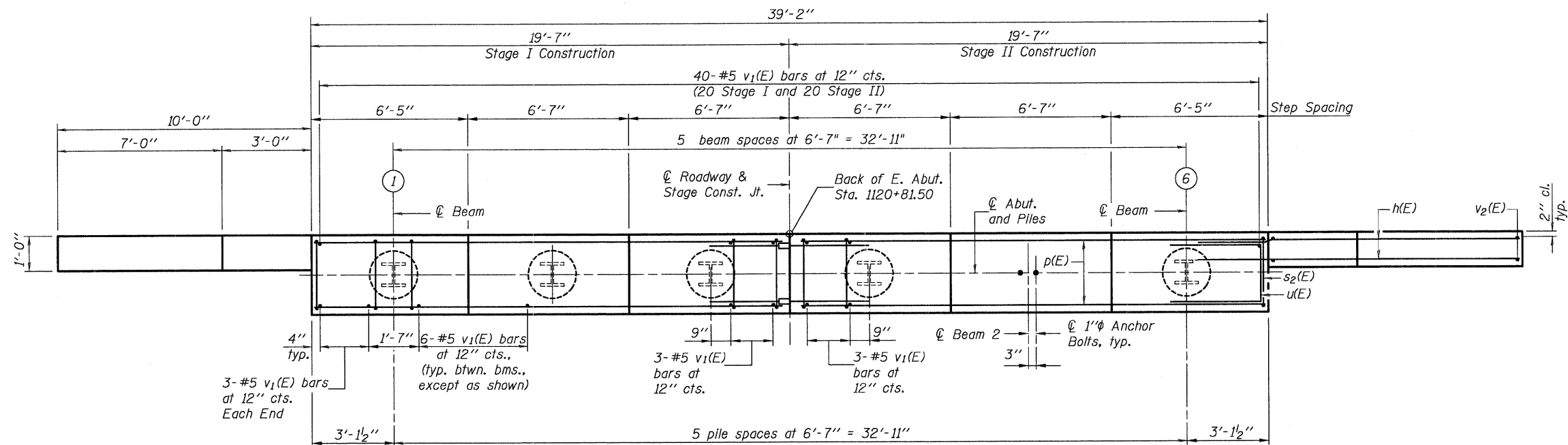
0140078.76976-21.EABT.DGN DEC. 8, 2008

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.



SEC. THRU ABUT.



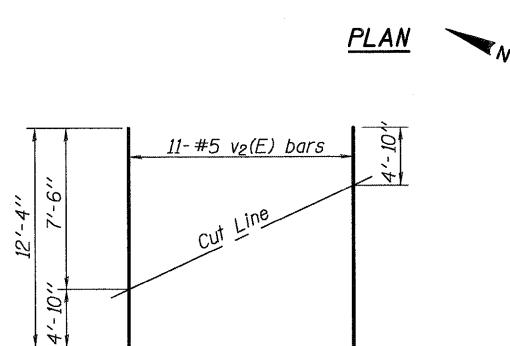
PLAN

PILE DATA

Type: HP 12x63
Nominal Required Bearing: 497 kips
Factored Resistance Available: 248 kips
Est. Length: 77 feet
No. Production Piles: 5
No. Test Piles: 1

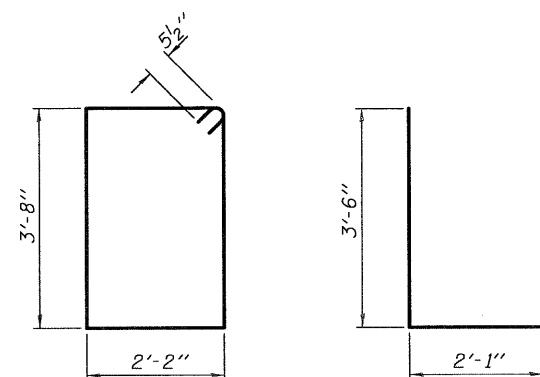
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

AI-0 5-16-08



FIELD CUTTING DIAGRAM

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



BAR s2(E)

BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	60	#7	14'-0"	
p(E)	18	#7	19'-3"	
s2(E)	36	#5	12'-7"	□
u(E)	8	#6	9'-1"	□
v1(E)	76	#5	4'-4"	
v2(E)	22	#5	12'-4"	
Structure Excavation		Cu. Yd.	89	
Concrete Structures		Cu. Yd.	20.1	
Reinforcement Bars, Epoxy Coated		Pound	3,640	
Furnishing Steel Piles HP 12x63		Foot	385	
Driving Piles		Foot	385	
Test Pile Steel HP 12x63		Each	1	
Concrete Encasement		Cu. Yd.	2.1	
Bar Splicers (E)		Each	9	

For details of Bar Splicers, see sheet 26 of 34.
For details of piles and Concrete Encasement, see sheet 27 of 34.

EAST ABUTMENT

SHEET NO. 21 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 52
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. CO. 6020.31

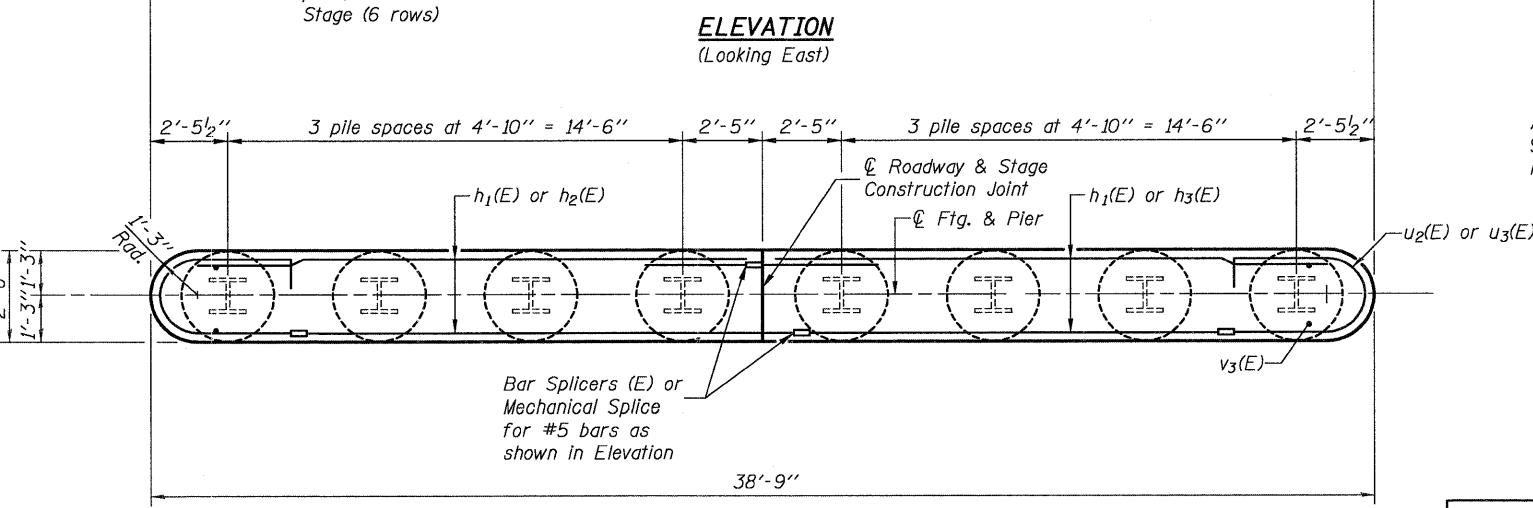
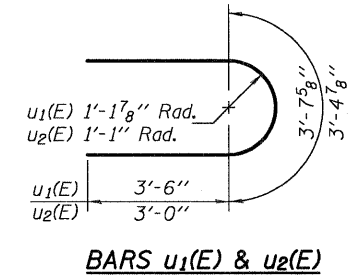
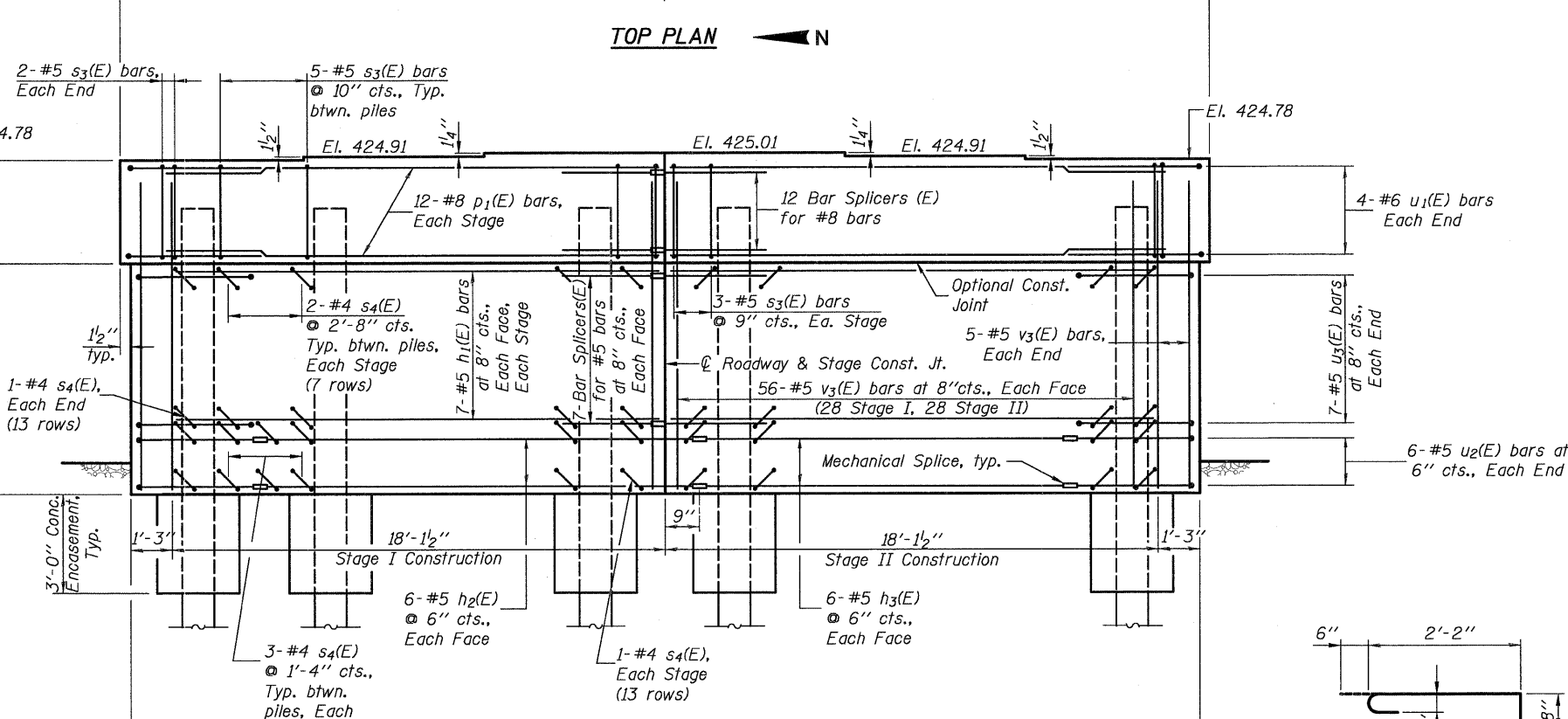
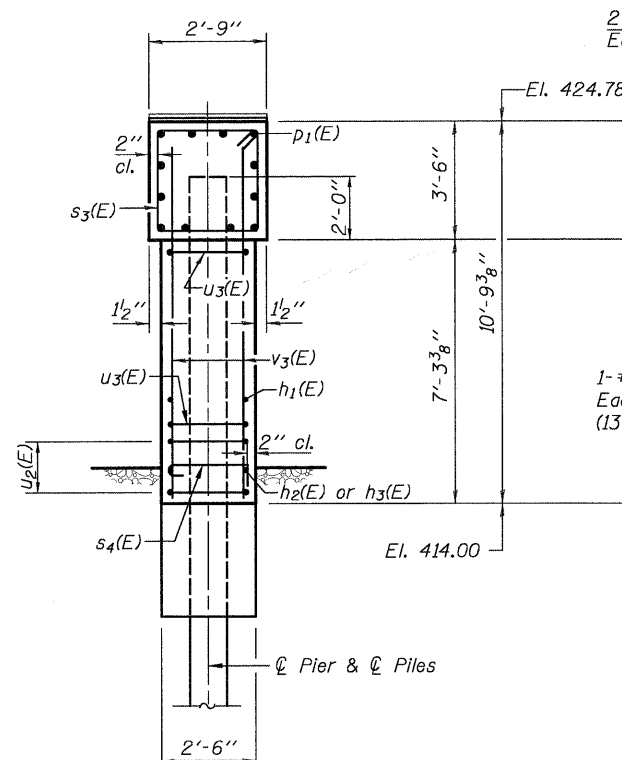
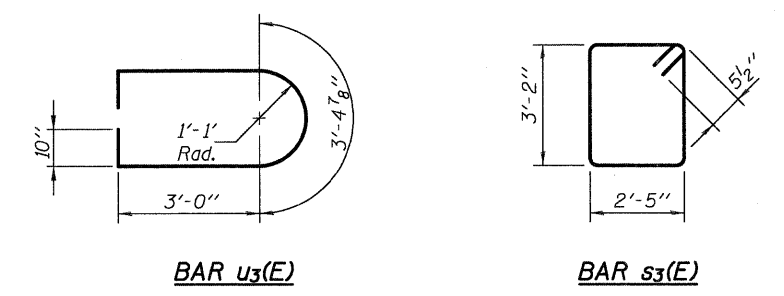
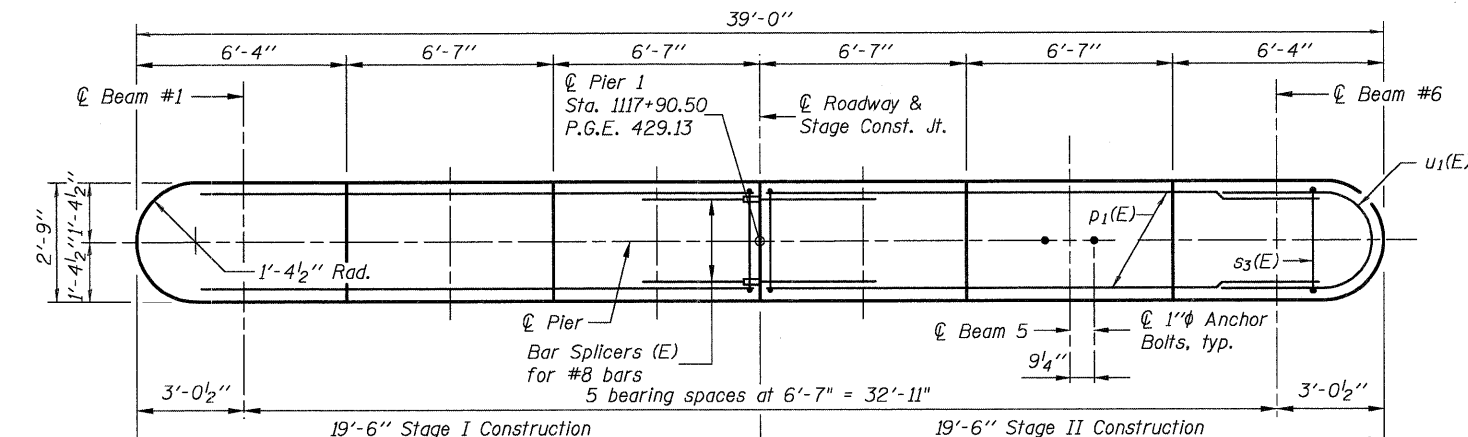
040078.76976-22.PIER1.DGN DEC. 8, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.

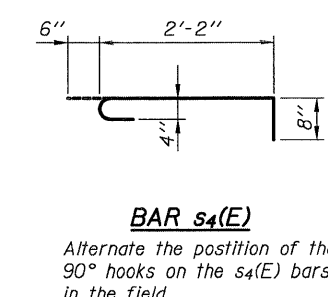
PILE DATA

Type:	HP 14x89
Nominal Required Bearing:	705 k
Factored Resistance Available:	324 k
Est. Length:	81 ft.
No. Production Piles:	7
No. Test Piles:	1



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁ (E)	28	#5	18'-0"	—
h ₂ (E)	12	#5	15'-10"	—
h ₃ (E)	12	#5	14'-4"	—
p ₁ (E)	24	#8	18'-0"	—
s ₃ (E)	40	#5	12'-1"	□
s ₄ (E)	244	#4	3'-4"	┌
u ₁ (E)	8	#6	10'-8"	U
u ₂ (E)	12	#5	9'-5"	U
u ₃ (E)	14	#5	11'-1"	U
v ₃ (E)	122	#5	10'-3"	—
Structure Excavation	Cu. Yd.		11	
Concrete Structures	Cu. Yd.		39.8	
Reinforcement Bars, Epoxy Coated	Pound		4,820	
Furnishing Steel Piles HP 14x89	Foot		567	
Driving Piles	Foot		567	
Test Pile Steel HP 14x89	Each		1	
Mechanical Splice	Each		36	
Bar Splicers (E)	Each		26	
Concrete Encasement	Cu. Yd.		4.4	



For details of Bar Splicers, see sheet 26 of 34.
For details of piles and Concrete Encasement, see sheet 27 of 34.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 22 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 53
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

H.M. & G. NO. 6020.131

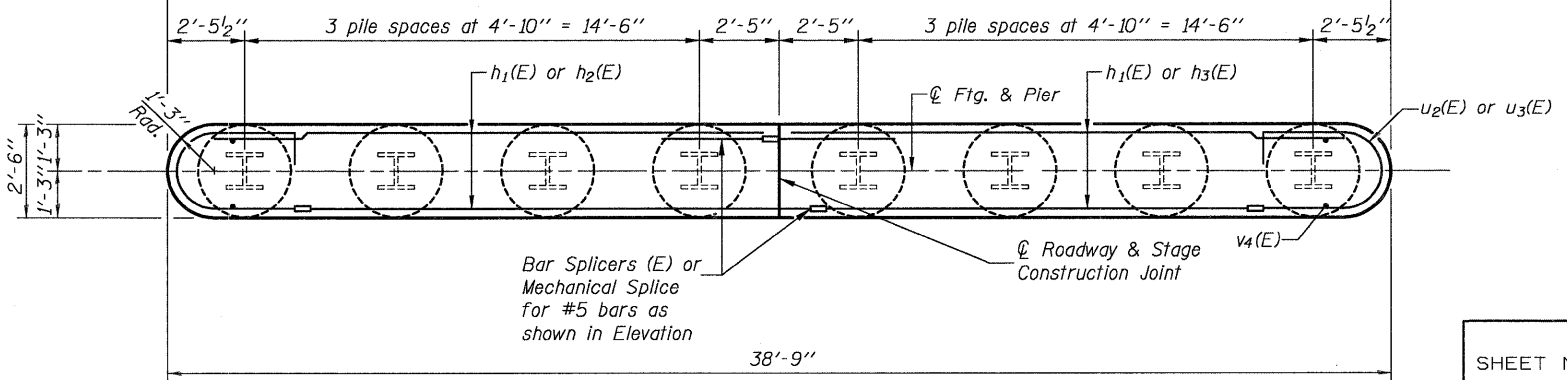
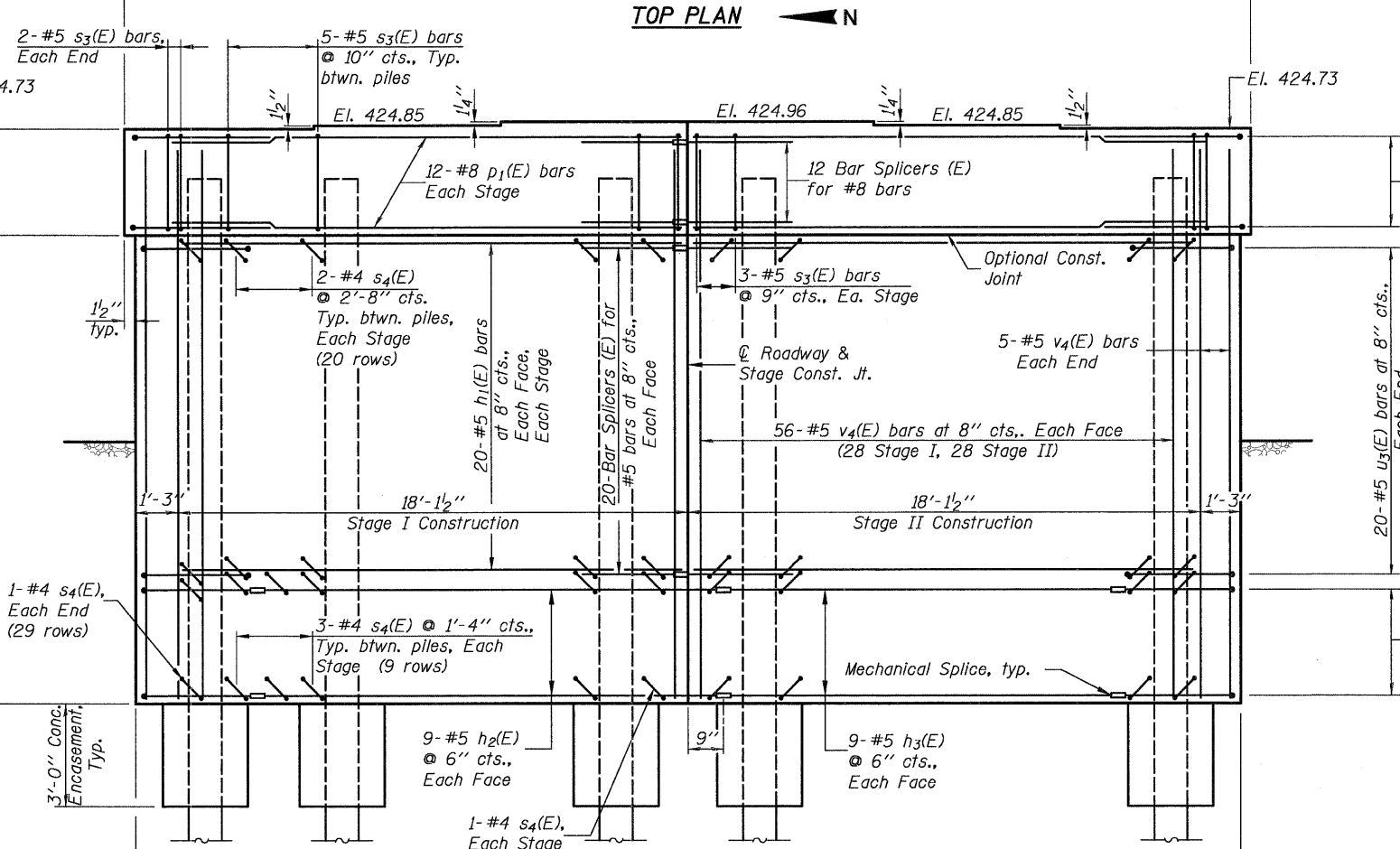
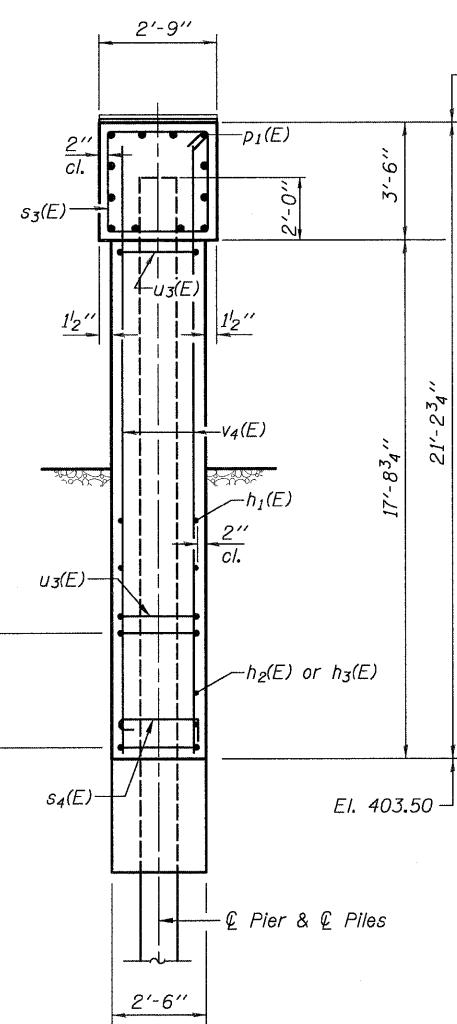
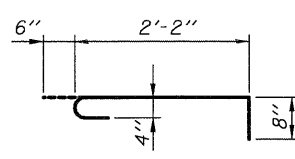
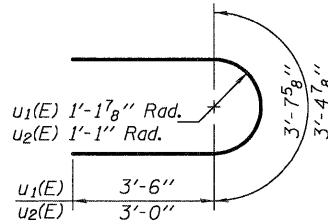
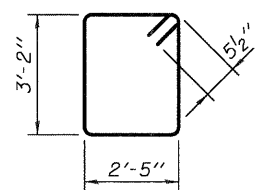
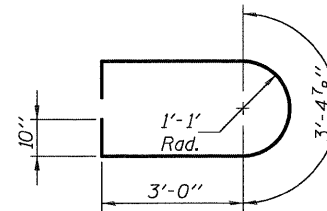
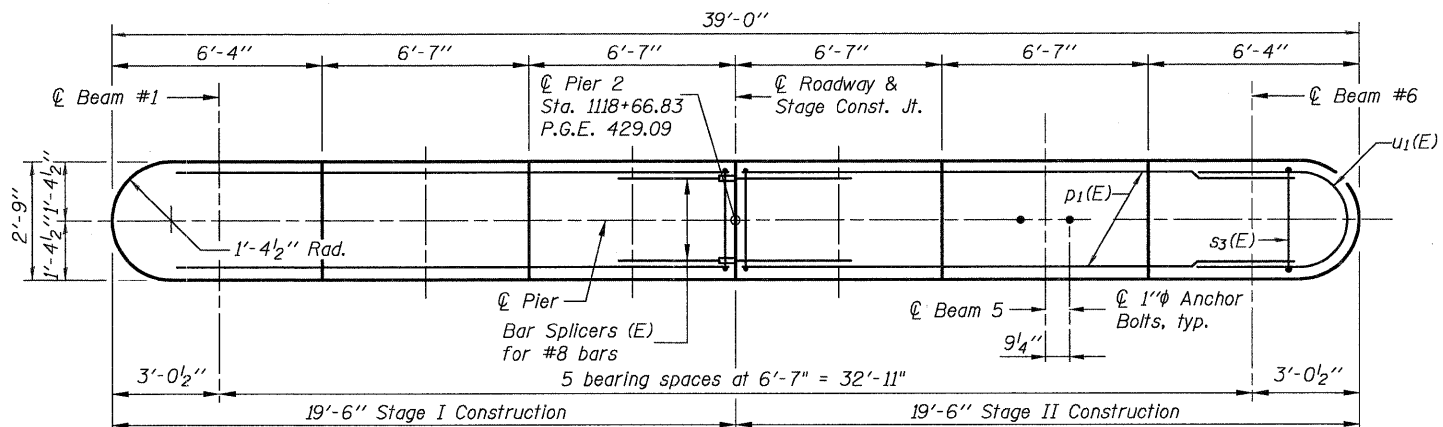
040078-76976-23-PIER2.DGN DEC. 8, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

PILE DATA

Type:	HP 14x89
Nominal Required Bearing:	705 k
Factored Resistance Available:	352 k
Est. Length:	80 ft.
No. Production Piles:	7
No. Test Piles:	1



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁ (E)	80	#5	18'-0"	—
h ₂ (E)	18	#5	15'-10"	—
h ₃ (E)	18	#5	14'-4"	—
p ₁ (E)	24	#8	18'-0"	—
s ₃ (E)	40	#5	12'-1"	□
s ₄ (E)	518	#4	3'-4"	┌
u ₁ (E)	8	#6	10'-8"	U
u ₂ (E)	18	#5	9'-5"	U
u ₃ (E)	40	#5	11'-1"	U
v ₄ (E)	122	#5	20'-8"	—
Structure Excavation			Cu. Yd.	111
Concrete Structures			Cu. Yd.	76.8
Reinforcement Bars, Epoxy Coated			Pound	8,280
Furnishing Steel Piles HP 14x89			Foot	560
Driving Piles			Foot	560
Test Pile Steel HP 14x89			Each	1
Mechanical Splice			Each	54
Bar Splicers (E)			Each	52
Concrete Encasement			Cu. Yd.	4.4
Underwater Structure Excavation Protection - Location 1			Each	1

For details of Bar Splicers, see sheet 26 of 34.
For details of piles and Concrete Encasement, see sheet 27 of 34.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 23 34 SHEETS	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 54
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PIER 2

H.M. & G. NO. 6020.131

0140078.76976-24_PIER3.DGN DEC. 8, 2008

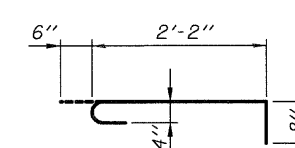
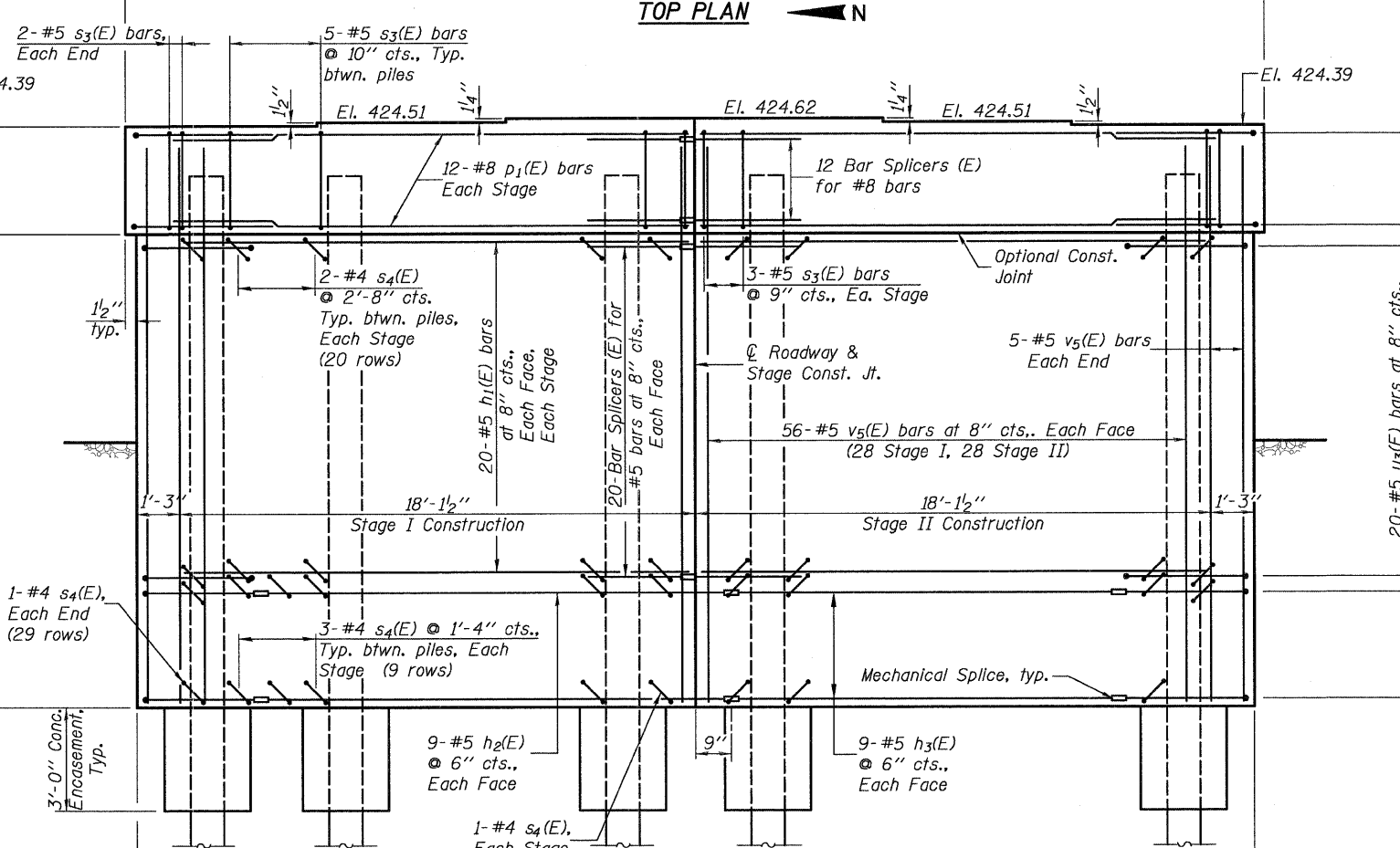
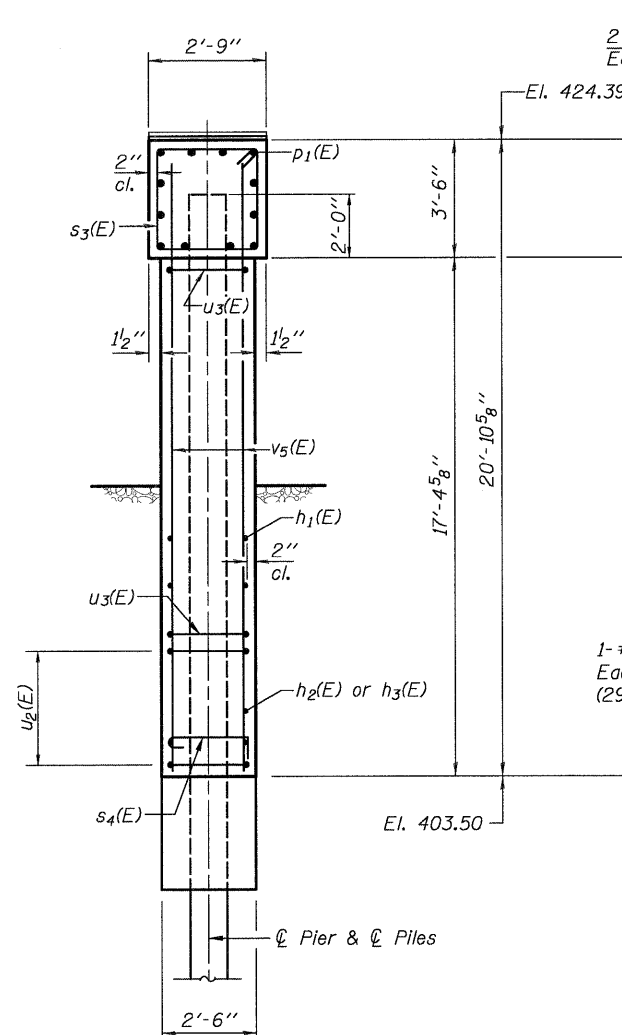
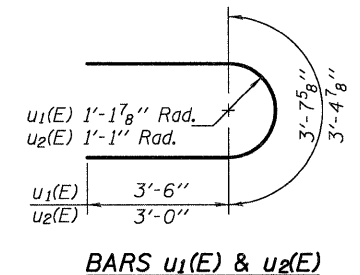
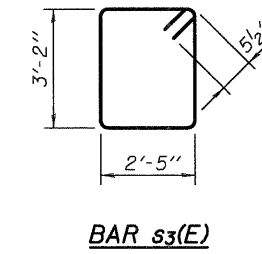
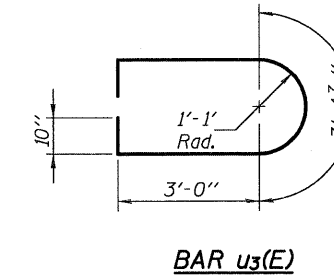
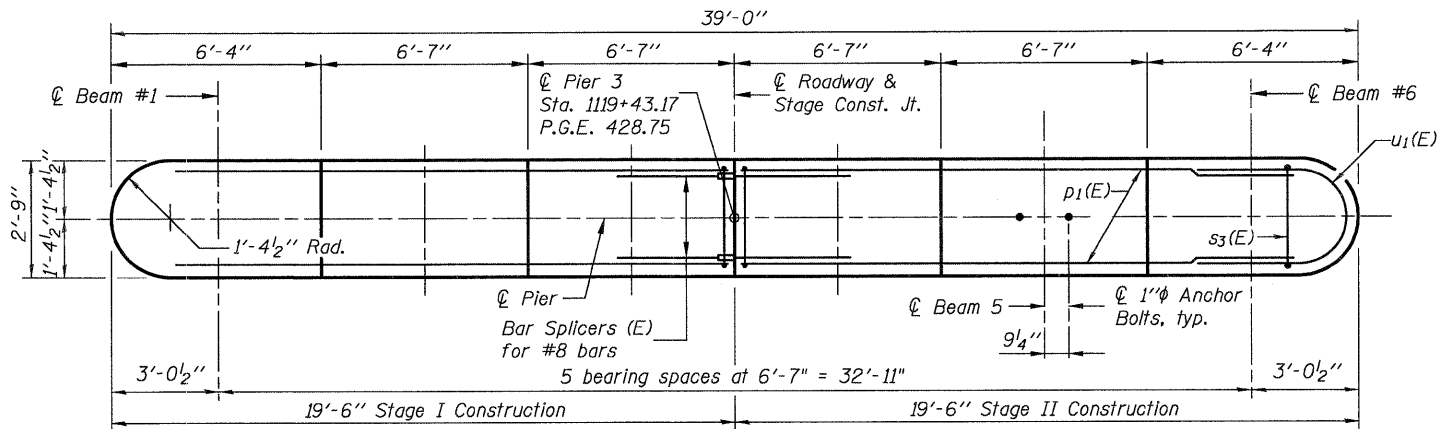
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:

Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

PILE DATA

Type:	HP 14x89
Nominal Required Bearing:	705 k
Factored Resistance Available:	352 k
Est. Length:	82 ft.
No. Production Piles:	7
No. Test Piles:	1



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁ (E)	80	#5	18'-0"	—
h ₂ (E)	18	#5	15'-10"	—
h ₃ (E)	18	#5	14'-4"	—
p ₁ (E)	24	#8	18'-0"	—
s ₃ (E)	40	#5	12'-1"	□
s ₄ (E)	518	#4	3'-4"	┌
u ₁ (E)	8	#6	10'-8"	U
u ₂ (E)	18	#5	9'-5"	U
u ₃ (E)	40	#5	11'-1"	U
v ₅ (E)	122	#5	20'-4"	—
Structure Excavation		Cu. Yd.	118	
Concrete Structures		Cu. Yd.	75.7	
Reinforcement Bars, Epoxy Coated		Pound	8,240	
Furnishing Steel Piles HP 14x89		Foot	574	
Driving Piles HP 14x89		Foot	574	
Test Pile Steel HP 14x89		Each	1	
Mechanical Splice		Each	54	
Bar Splicers (E)		Each	52	
Concrete Encasement		Cu. Yd.	4.4	
Underwater Structure Excavation Protection - Location 2		Each	1	

For details of Bar Splicers, see sheet 26 of 34.
For details of piles and Concrete Encasement, see sheet 27 of 34.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 24	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	55
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PIER 3

H.M. & G. NO. 6020.131

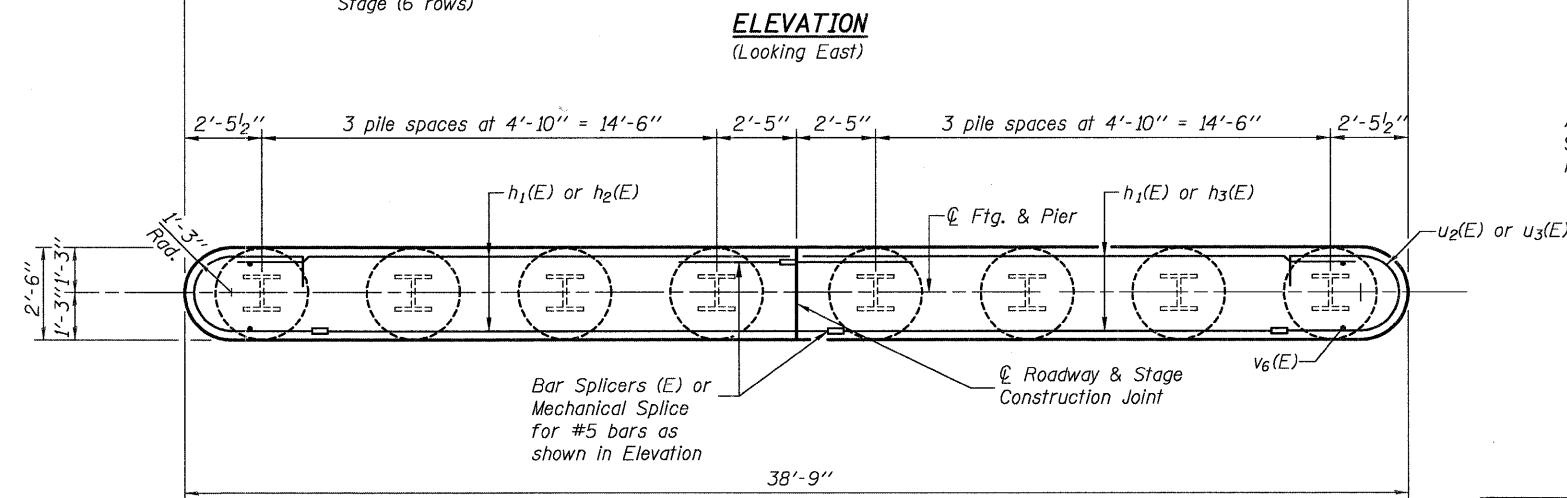
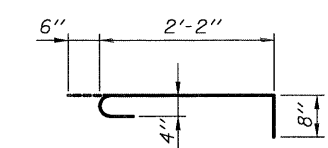
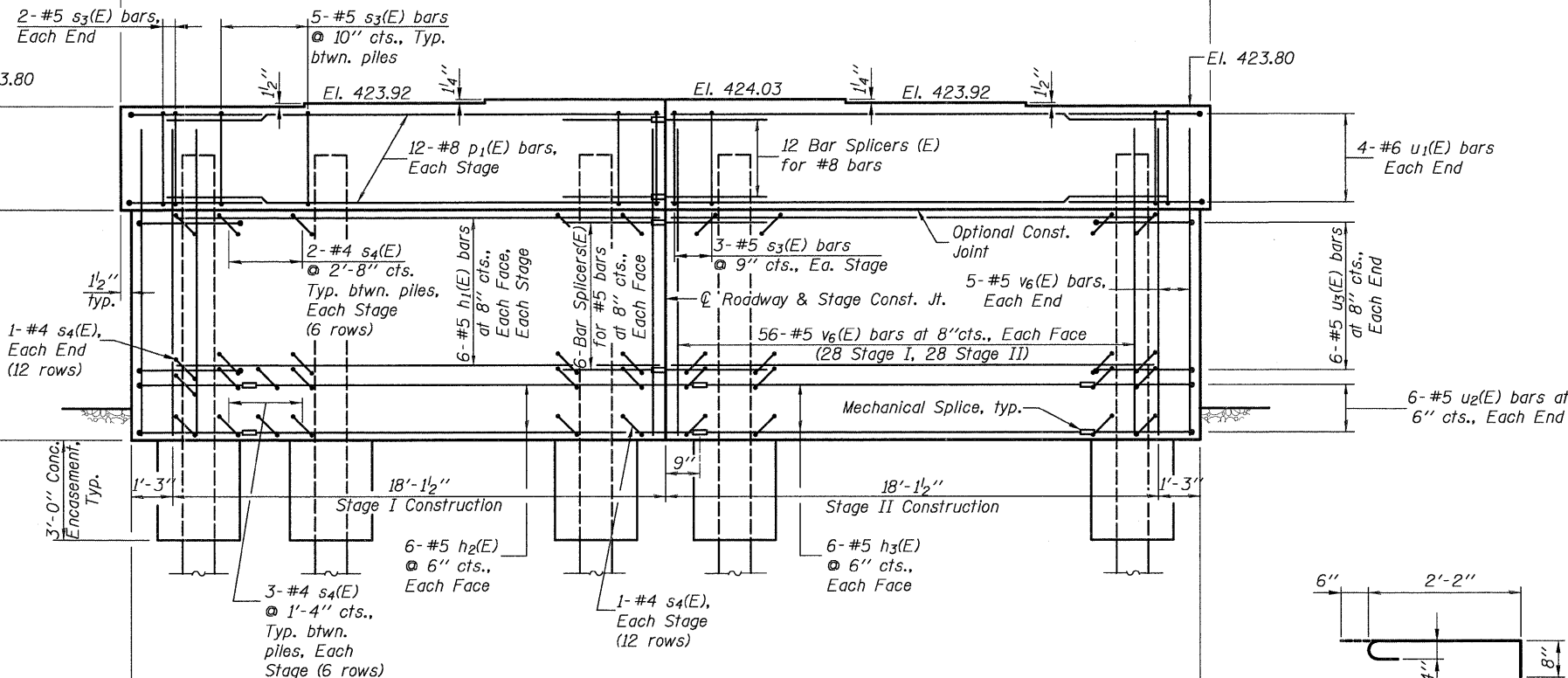
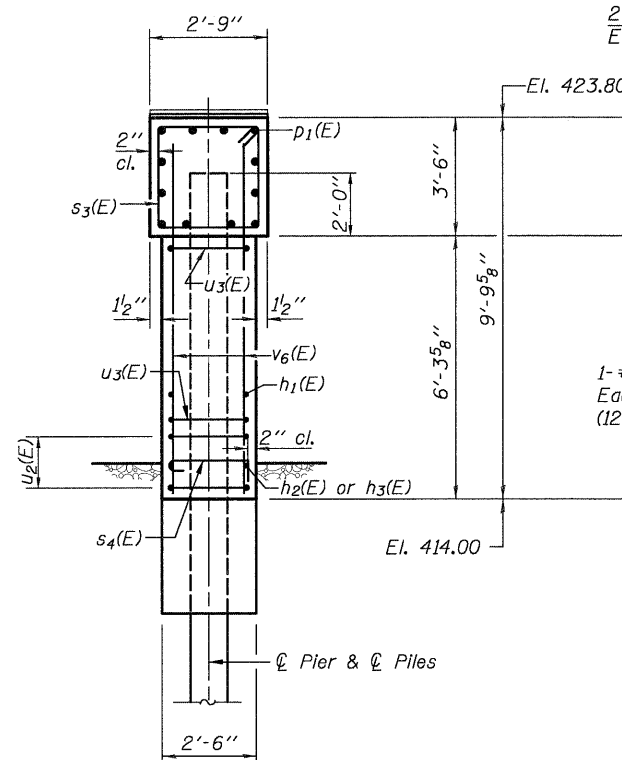
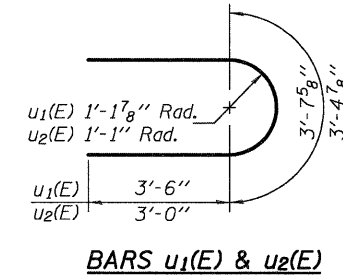
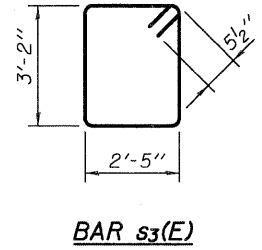
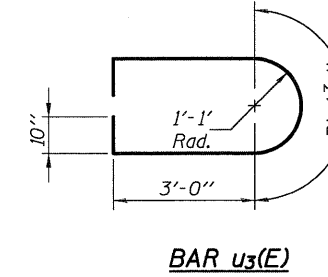
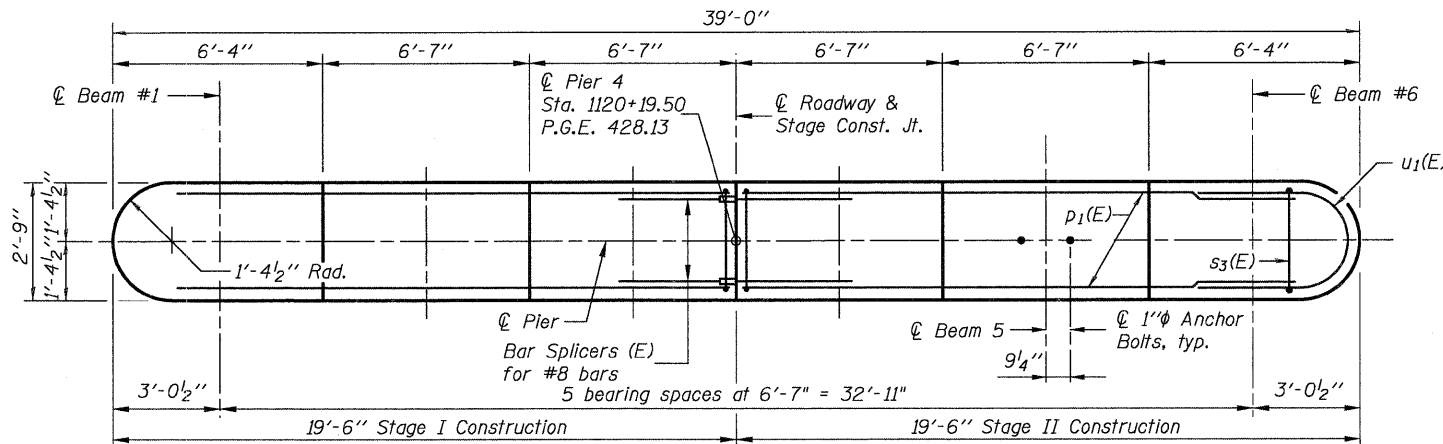
0140078_76976_25_PIER4.DGN DEC. 8, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.

PILE DATA

Type:	HP 14x89
Nominal Required Bearing:	705 k
Factored Resistance Available:	330 k
Est. Length:	81 ft.
No. Production Piles:	7
No. Test Piles:	1



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_1(E)$	24	#5	18'-0"	—
$h_2(E)$	12	#5	15'-10"	—
$h_3(E)$	12	#5	14'-4"	—
$p_1(E)$	24	#8	18'-0"	—
$s_3(E)$	40	#5	12'-1"	□
$s_4(E)$	228	#4	3'-4"	┌
$u_1(E)$	8	#6	10'-8"	U
$u_2(E)$	12	#5	9'-5"	U
$u_3(E)$	12	#5	11'-1"	U
$v_6(E)$	122	#5	9'-3"	—
Structure Excavation		Cu. Yd.	11	
Concrete Structures		Cu. Yd.	36.4	
Reinforcement Bars, Epoxy Coated		Pound	4,560	
Furnishing Steel Piles HP 14x89		Foot	567	
Driving Piles		Foot	567	
Test Pile Steel HP 14x89		Each	1	
Mechanical Splice		Each	36	
Bar Splicers (E)		Each	24	
Concrete Encasement		Cu. Yd.	4.4	

For details of Bar Splicers, see sheet 26 of 34.
For details of piles and Concrete Encasement, see sheet 27 of 34.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 25	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	56
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

PIER 4

H.M. & G. NO. 6020.131

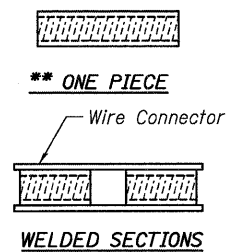
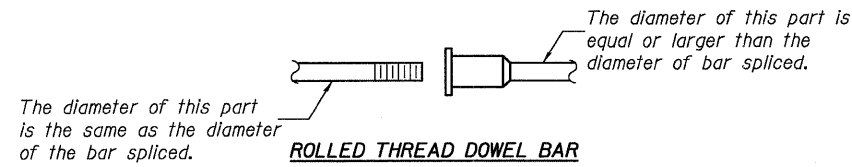
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTES

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

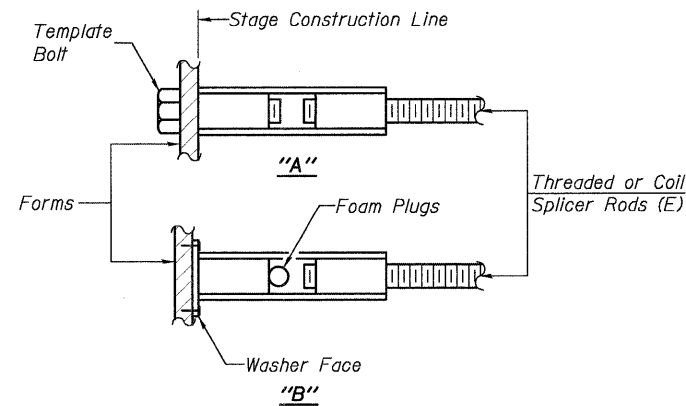
- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

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



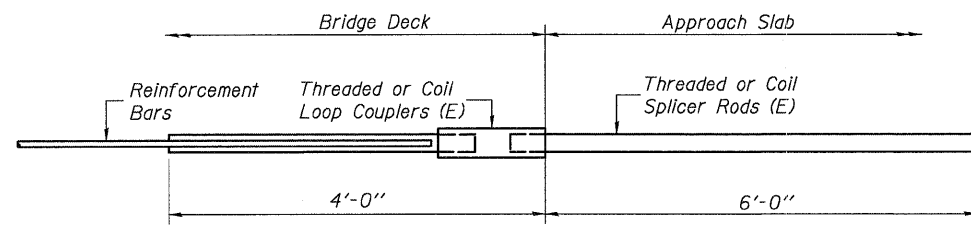
BAR SPLICER ASSEMBLY ALTERNATIVES

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

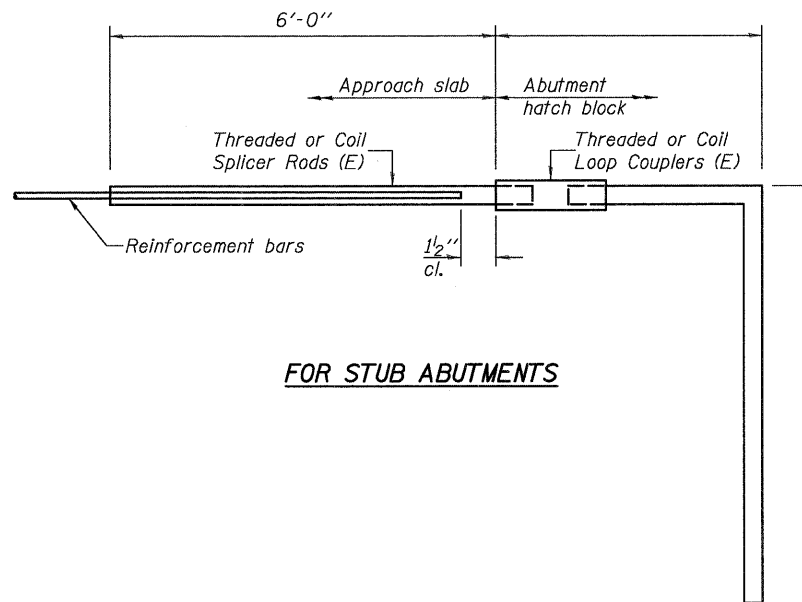


INSTALLATION AND SETTING METHODS

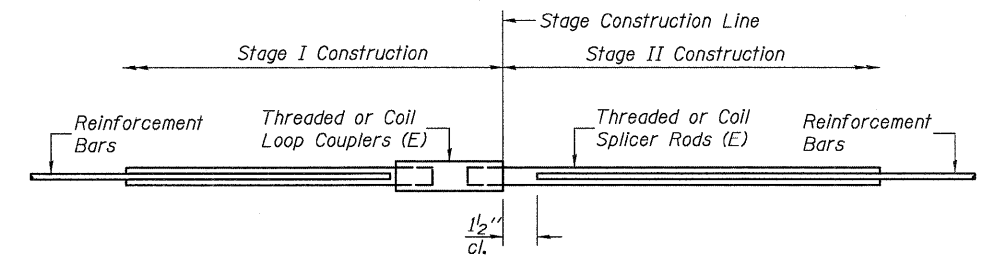
"A" :Set bar splicer assembly by means of a template bolt.
 "B" :Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS



FOR STUB ABUTMENTS



STANDARD

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

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

Bar Size	No. Assemblies Required	Location
#5	1,076	Deck
#6	16	Diaphragm
#5	106	Piers
#8	48	Piers
#7	18	Abutments
#4	62	Approach Slab
#5	80	Approach Footing

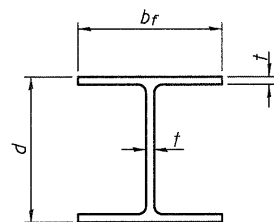
DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

BSD-1 5-16-08

SHEET NO. 26	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		805	126-BR-1			
34 SHEETS		S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

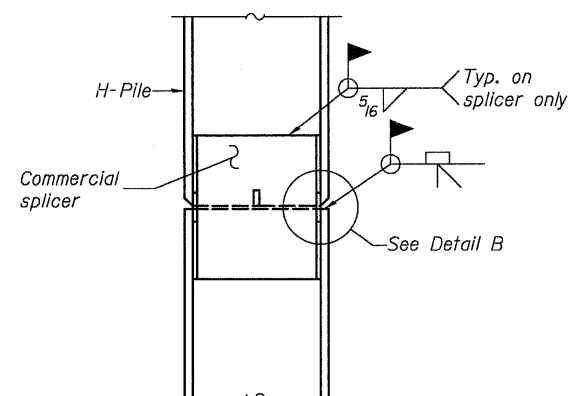
0140078_76976_27_PILE.DGN NOV. 26, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

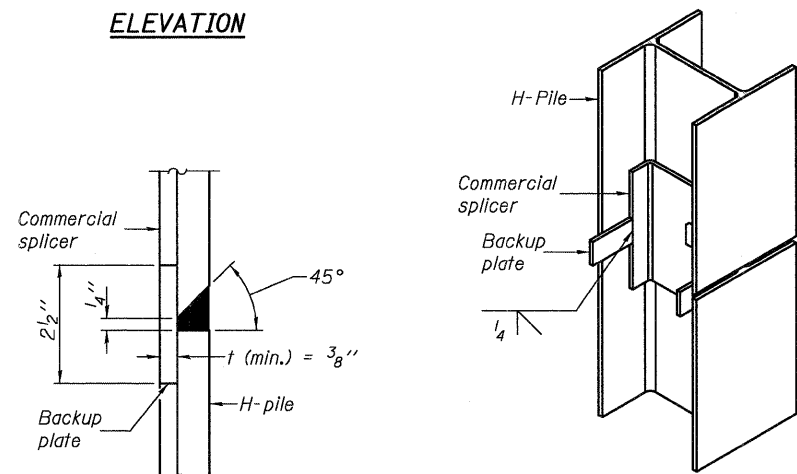


STEEL PILE TABLE

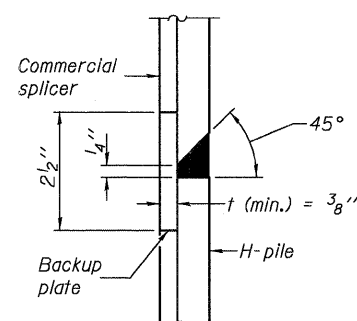
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

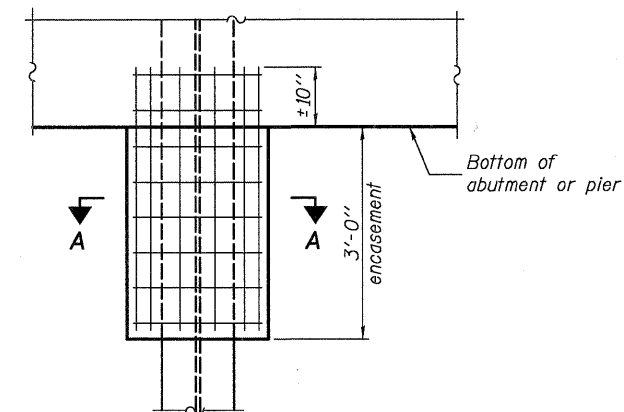


ISOMETRIC VIEW

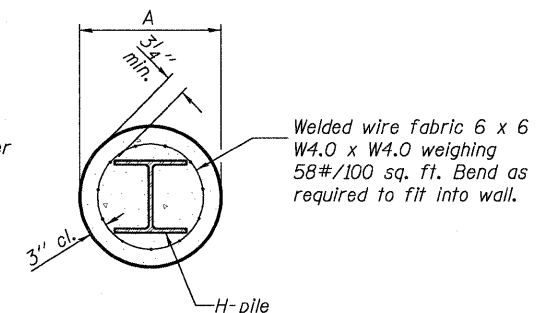


DETAIL "B"

WELDED COMMERCIAL SPLICE



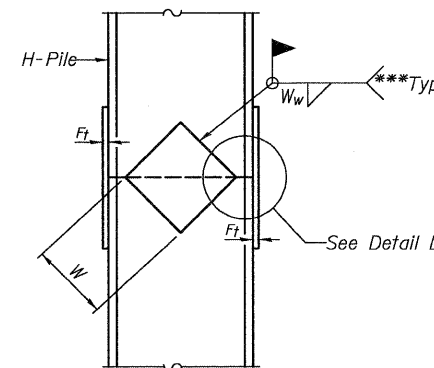
ELEVATION



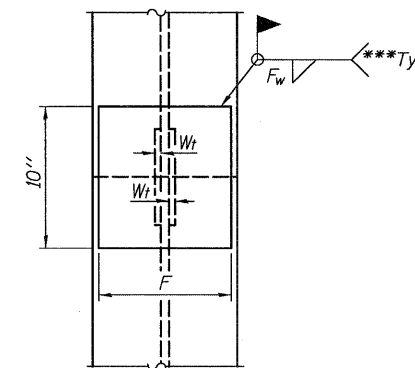
SECTION A-A

PILE ENCASEMENT

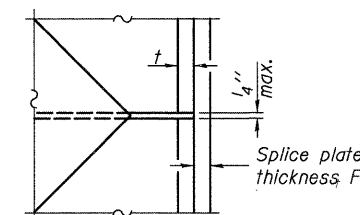
Note: Forms for encasement may be omitted when soil conditions permit.



ELEVATION



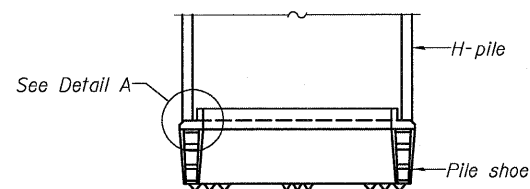
END VIEW



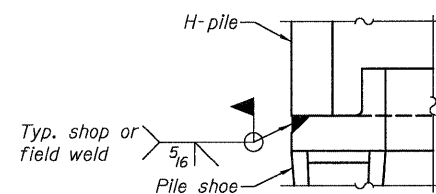
DETAIL D

WELDED PLATE FIELD SPLICE

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

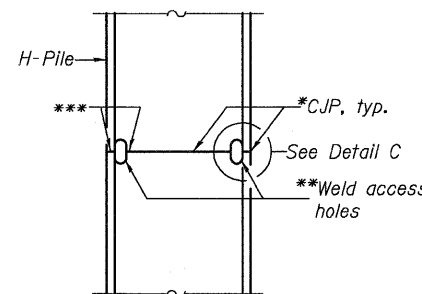


ELEVATION

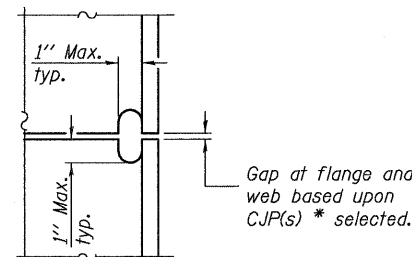


DETAIL A

H-PILE SHOE ATTACHMENT



ELEVATION



DETAIL C

COMPLETE PENETRATION WELD SPLICE

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

*Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code-Steel.

**Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code-Steel.

***Interrupt welds 1/4" from end of each pile.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

F-HP 5-16-08

SHEET NO. 27	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS			S.N. 014-0078		CONTRACT NO. 76976
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

HP PILE DETAILS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Date 7/16/71

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J.King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Header table for SOIL BORING LOG 1 with fields for STRUCT. NO., STATION, BORING NO., and SOIL TEST PARAMETERS (D, B, U, M).

Main data table for SOIL BORING LOG 1 with columns for SOIL DESCRIPTION, DEPTH (ft), BULGE (in), SHERAR (in), and PENETROMETER (lb/ft²).

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

Date 7/16/71

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J.King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Header table for SOIL BORING LOG 2 with fields for STRUCT. NO., STATION, BORING NO., and SOIL TEST PARAMETERS (D, B, U, M).

Main data table for SOIL BORING LOG 2 with columns for SOIL DESCRIPTION, DEPTH (ft), BULGE (in), SHERAR (in), and PENETROMETER (lb/ft²).

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

BBS, from 137 (Rev. 8-99)

DESIGNED B.G.H. CHECKED L.D.G. DRAWN K.H.L. CHECKED B.G.H.

SOIL BORING LOGS

Summary table for SOIL BORING LOGS including SHEET NO. 29, SECTION 126-BR-1, COUNTY CLINTON, and CONTRACT NO. 76976.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 8/31/71

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 1/4, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. <u>014-0007 (E)</u> Station <u>1119+05</u>	D E L C O S I	B O L G E	U S E R	M O D E	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E L C O S I	B O L G E	U S E R	M O D E	Groundwater Elev.: First Encounter <u>405.1</u> ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E L C O S I	B O L G E	U S E R	M O D E		
																(ft)
Tan SILT					396.0		5	1.96	24							
					413.5		7	0.69	30							
Tan Silty CLAY					411.0		4	0.69	27							
					391.0		2	0.58	27							
Tan and Gray Clay TILL					386.5		3	NC								
					403.5		13	NC								
Tan and Gray Sandy Silty Clay TILL					401.0		41	NC								
							43	1.94	13							

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

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 8/31/71

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 1/4, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. <u>014-0007 (E)</u> Station <u>1119+05</u>	D E L C O S I	B O L G E	U S E R	M O D E	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E L C O S I	B O L G E	U S E R	M O D E	Groundwater Elev.: First Encounter <u>405.1</u> ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E L C O S I	B O L G E	U S E R	M O D E		
																(ft)
Gray Clay Till (continued)					356.6		42	4.50	12							
							51	4.77	13							
					-45		16	2.61	24							
							26	3.59	22							
					-70		16	3.59	23							
							16	3.42	18							
					363.5		32	2.93	17							
Gray Green Clay TILL					-75		18	3.26	21							
					-80											

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

BBS, from 137 (Rev. 8-99)

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SOIL BORING LOGS

SHEET NO. <u>31</u>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<u>805</u>	<u>126-BR-1</u>	<u>CLINTON</u>	<u>85</u>	<u>62</u>
	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. <u> </u> ILLINOIS FED. AID PROJECT					

0140078_76976_32_BORING.LOG NOV. 25, 2008

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 2

Date 9/7/1

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, etc.)

Main soil log table with columns for soil type (Brown SILT, Tan SILT, etc.), depth (ft), blow count (B), SPT value (S), and penetration (P)

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 9/7/1

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, etc.)

Main soil log table with columns for soil type (Gray Clay TILL, Gray Silty Clay TILL, etc.), depth (ft), blow count (B), SPT value (S), and penetration (P)

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)

Table with columns for DESIGNED, CHECKED, DRAWN, and another CHECKED, with names B.G.H., L.D.G., K.H.L., and B.G.H.

SOIL BORING LOGS

Summary table with columns for SHEET NO., F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO., and FED. ROAD DIST. NO.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation Division of Highways

SOIL BORING LOG

Date 9/27/11

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for D, B, U, M, Surface Water Elev., Stream Bed Elev., Groundwater Elev., and soil descriptions like Brown SILT (Fill), Gray SILT (Fill), Gray Clayey SILT, Gray Silty CLAY, and Tan and Gray CLAY.

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

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation Division of Highways

SOIL BORING LOG

Date 9/27/11

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

Table with columns for D, B, U, M, Surface Water Elev., Stream Bed Elev., Groundwater Elev., and soil descriptions like Gray Fine to Medium SAND, Gray Clay TILL, Gray Medium SAND, and Gray Clay TILL.

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)

Table with columns for DESIGNER, CHECKER, DRAWN, and CHECKED, listing names like B.G.H. and L.D.G.

SOIL BORING LOGS

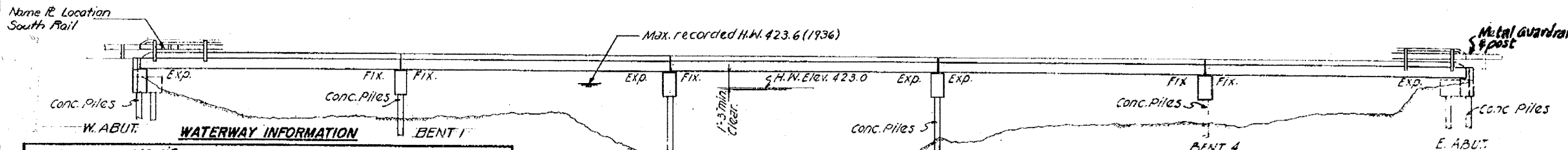
Table with columns for SHEET NO., F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO., and FED. AID PROJECT.

B.M. Top of Row monument 40' Lt. of Sta. 1116+68 Elev. 436.05
 Existing Structure: Built as S.B. 1.161, Sec. 126-B, in 1934 as Sta. 1119+05
 Superstructure: Steel I.B.M. Substr. R.C. Bents
 The Contractor shall remove the existing superstructure using stage construction to maintain traffic at all times.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DATE	BY	NO.	REV.	BY	NO.

SHEET NO. 1
 OF 14 SHEETS



WATERWAY INFORMATION

Drainage Area = 146 MI² Low Grade Elev. 485.15 @ Sta. 1129+00

Flood	Freq. Yr.	Opening Sq. Ft.		Vol. H.W.E.	Head-Fl.		Headwater El.		
		Exst.	Prop.		Exst.	Prop.	Exst.	Prop.	
Design	Main Channel	10650	1865	1865	421.89	1.09	1.09	422.96	422.96
	Overflow	5000	707	707					
	Total	15650	2572	2572					
Base	Main Channel	12870	2067	2067	422.76	1.25	1.25	424.01	424.01
	Overflow	6410	773	773					
	Total	19280	2840	2840					
Maximum or Overflowing	Main Channel	16070	2215	2215	424.11	1.55	1.55	425.66	425.66
	Overflow	9430	874	874					
	Total	25500	3089	3089					

STATION 1119+05
 REBUILT BY
 STATE OF ILLINOIS
 F.A. RTE. 805 SEC. 126 BR
 F.A. PROJECT: BHF 805(20)
 LOADING H520
 STR. NO. 014-0007
 NAME PLATE
 (See Sht. 213)

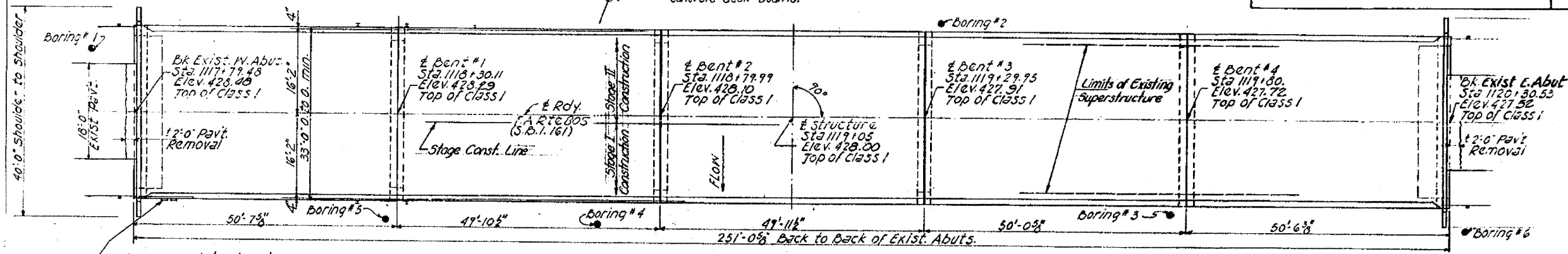
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bituminous Concrete Surface Course Class I	Tons	102		102
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		10	10
Expansion Bolts 3/4"	Each		56	56
Class X Concrete	Cu. Yd.	20.6	54.6	75.2
Precast Prestressed Concrete Deck Beams (2' Depth)	Sq. Ft.	8154		8154
Reinforcement Bars	Pound	1390	6280	7670
Waterproofing Membrane System	Sq. Yd.	853		853
Pavement Removal & P.C.C. Replacement, Type I (2')	Sq. Yd.	8		8
Steel Railing Type F-1	Lin. Ft.	496		496
Preformed Joint Seal 2"	Lin. Ft.	132		132
Temporary Bridge Rail	Lin. Ft.	251		251
Structural Steel	Pound	9260		9260
Protective Coat	Sq. Yd.	82		82
Concrete Piles	Lin. Ft.		502	502
Name Plates	Each	1		1
Portland Cement Mortar Finishing Course	Lin. Ft.	2472		2472
Repair Concrete Structure	Sq. Ft.		8	8
Epoxy Crack Sealing	Lin. Ft.		102	102

GENERAL NOTES

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 4".
 Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
 Expansion bolts shall consist of approved expansion anchors, providing a certified min. proof load = 4,000 lbs., and 3/4" x 12" hooked bolts.
 Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.
 Shoulder transition to wingwall shall be shaped with broken concrete. Cost incidental.
 A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

See Proposal for Boring Data.
 All structural steel shall be shop painted with the zinc-silicate and vinyl paint system.
 Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.
 Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Limits of Waterproofing Membrane System shall be end to end of deck beams and face to face of curbs.



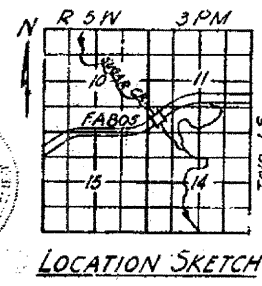
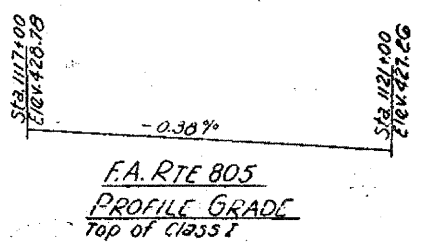
DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: J. Sutherland
 FEBRUARY 1 1973
 EXAMINED: *[Signature]*
 PASSED: *[Signature]*
 CHECKED: LK GR

DESIGN STRESSES

FIELD UNITS
 fc = 3500 p.s.i. sub
 fy = 60,000 p.s.i. Reinf.

PRECAST PRESTR. UNITS
 fc = 5000 p.s.i.
 fci = 4000 p.s.i.
 fs = 270,000 p.s.i. 6 strands
 fsi = 189,000 p.s.i. 6 strands

Design Specifications 1977 A.A.S.H.T.O., 1978 Thru 1982 Interim Specifications (as applicable).
 Allow 25% per Sq. Ft. for future wearing surface.
 HS-20-44 LOADING



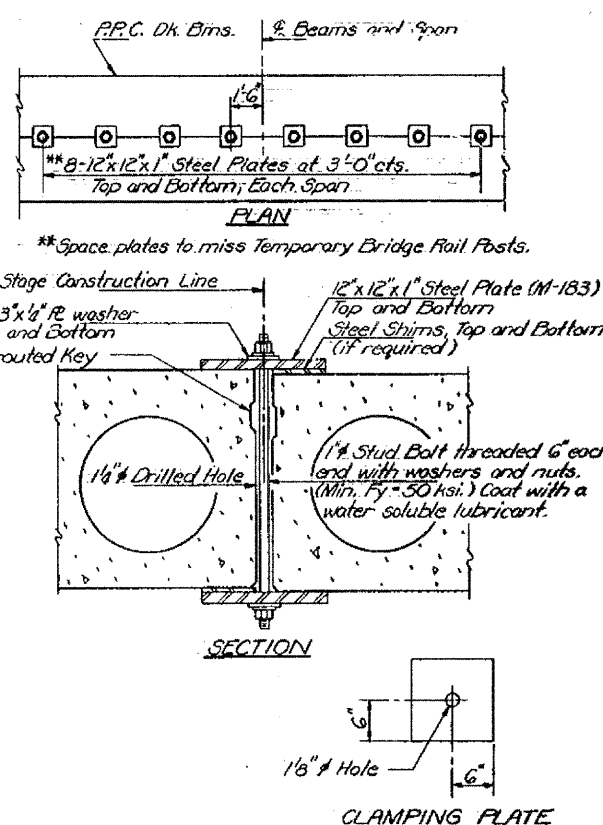
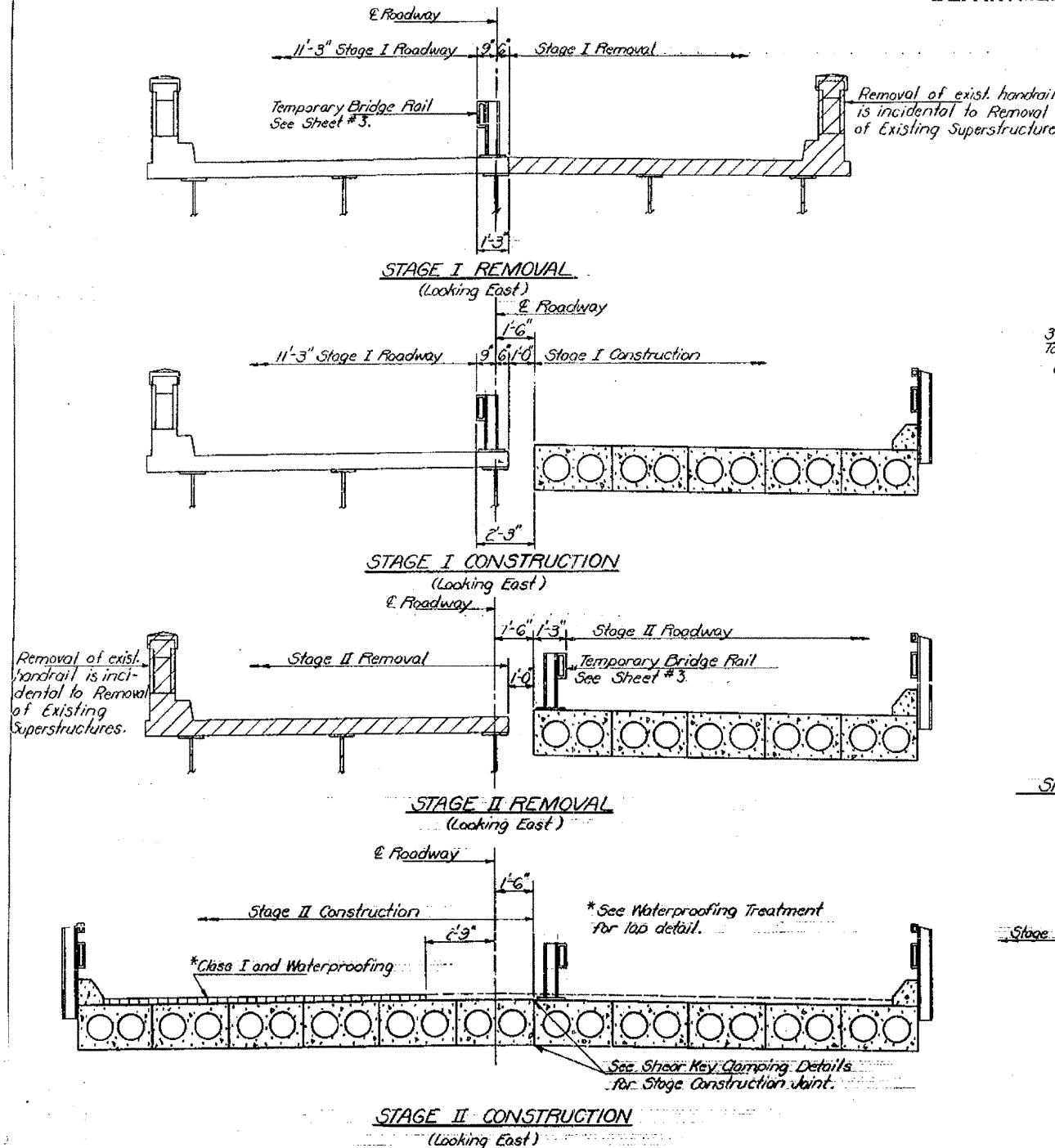
GENERAL PLAN & ELEVATION
 F.A. RTE. 805 OVER SUGAR CREEK
 F.A. RTE. 805 (S.B. 1.161) SECTION 126 BR
 CLINTON COUNTY
 STATION 1119+05

FOR INFORMATION ONLY

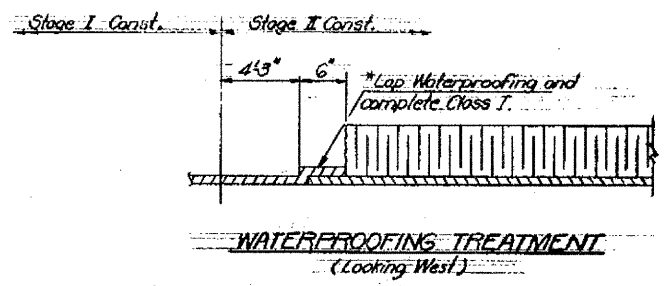
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PLDT SCALE: 103.6465 1/4 IN.	PLDT DATE: 12/9/2008	DRAWN - HG	REVISED - ---	SCALE: 1" = 50'	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO. 76976			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			30	9
SHEET NO. 2 14 SHEETS				



SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.
See Special Provisions.
Cost is incidental to Precast Prestressed Concrete Deck Beams.



WATERPROOFING TREATMENT (Looking West)
* Class I, Waterproofing and Waterproofing Lap shall be completed in Stage II Construction after Shear Key Clamping Devices and Temporary Bridge Rail for Stage II Roadway have been removed.

DESIGNED D.C.
CHECKED G.R. LK
DRAWN Joe Sutherland
CHECKED G.R. LK
January 12, 2009
James J. Kasbaum
Carl E. Hanneman
APPROVED

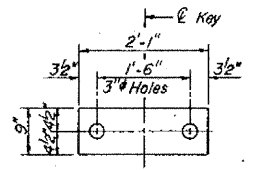
STAGE CONSTRUCTION
FA. RT. 805 SEC. 126 BR
CLINTON COUNTY
STATION 1119+05.00

FOR INFORMATION ONLY

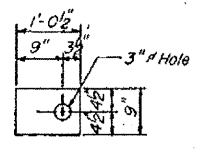
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PLOT DATE = 12/9/2008		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

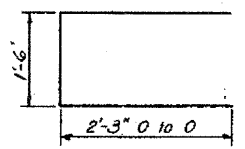
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			30	11	14 SHEETS



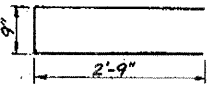
FABRIC BEARING PAD (Interior)



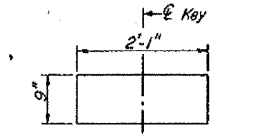
FABRIC BEARING PAD (Exterior)



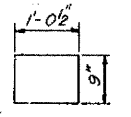
U BAR



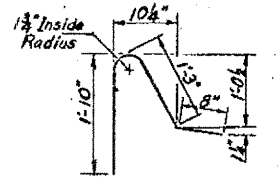
U BAR



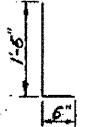
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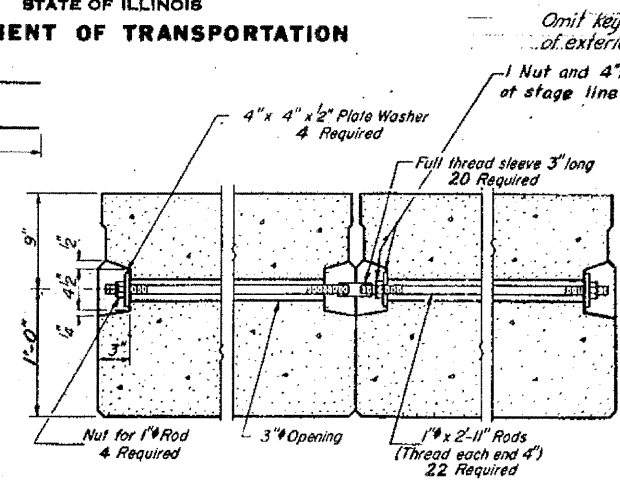
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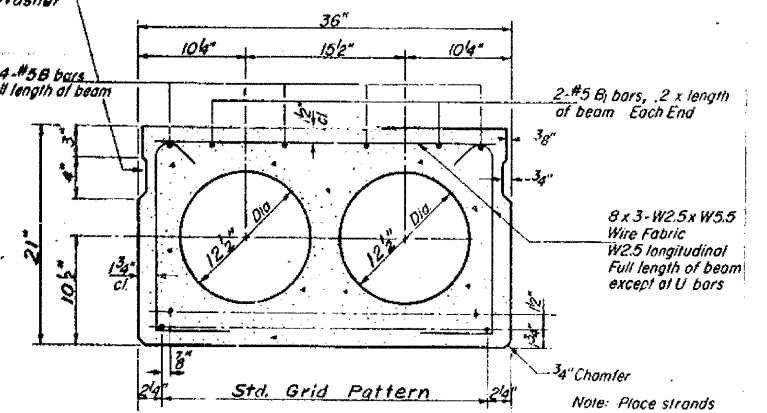
D BAR



E BAR

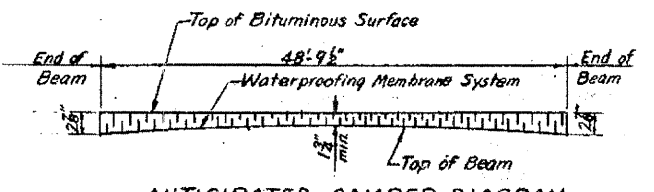


TYPICAL TRANSVERSE TIE ASSEMBLY

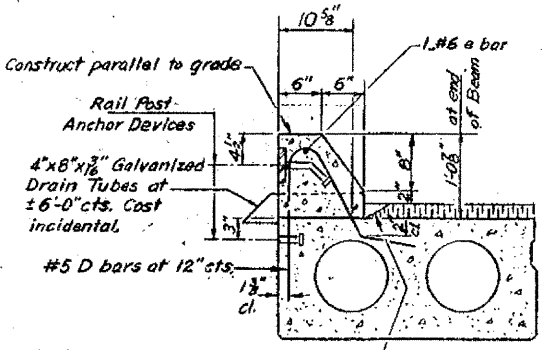


TYPICAL SECTION

1/2" Strands, Each Strand Stressed to 28,900 Lbs.
4-Strands 3/4" up, 9-Strands 3/4" up.

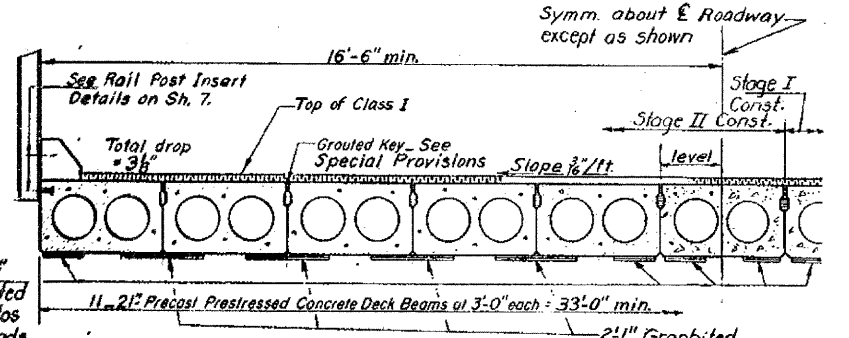


ANTICIPATED CAMBER DIAGRAM



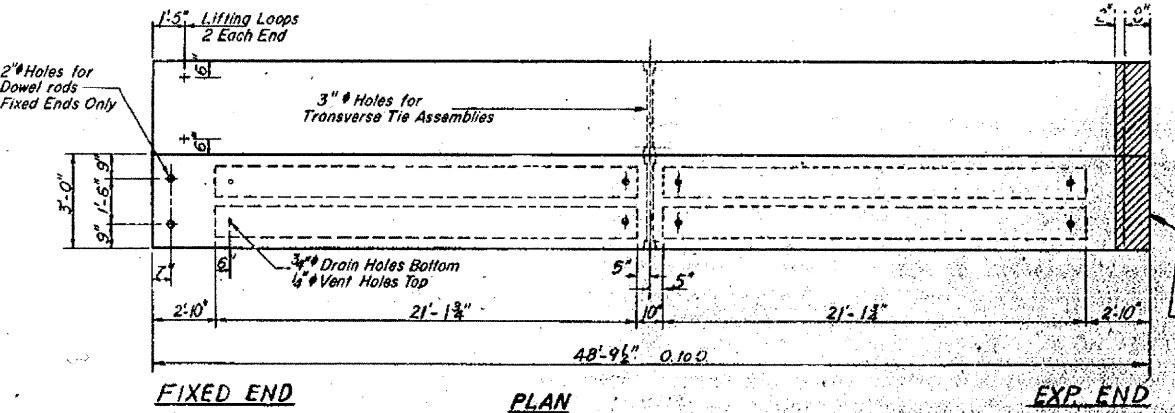
SECTION THRU CURB

Curbs shall be poured in the field. Class X Concrete & e bars for curbs are billed on Sheet # 7.



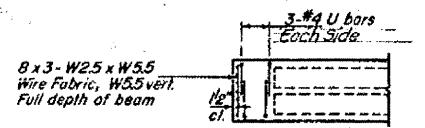
HALF CROSS SECTION

(Showing Expansion Bearings) (LOOKING EAST)

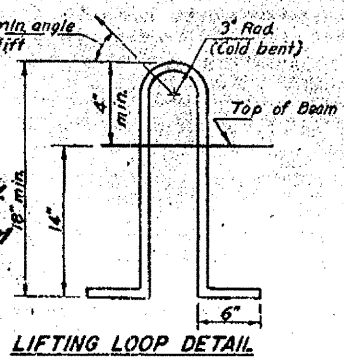


FIXED END PLAN

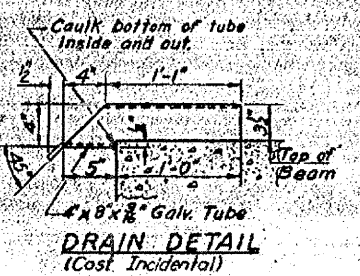
EXP. END



END PLAN (Fixed End)



LIFTING LOOP DETAIL



DRAIN DETAIL

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 5" diameter, 6 x 25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 33,000 lbs. or 2-1/2" 270 ksi strands as shown. The 1/2" rods in the transverse tie assembly shall be lightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to AASHTO M-31 or M-53, Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key. A Calcium Nitrite Corrosion Inhibitor as covered in the Special Provisions shall be used in the concrete for precast prestressed deck beams. Required Release Strength, f_{cr} , shall be 4,000 psi. An equal substitution of the low-relaxation strands for the stress-relieved strands will be permitted.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	6	#5	15'-5"	
a ₁	6	#5	18'-0"	
Precast Prestressed Concrete Deck Beams (21" Depth)		Sq. Ft.	3220	
Class X Concrete		Cu. Yds.	1.5	
Reinforcement Bars		Lbs.	210	

SPANS 1 & 5
DECK BEAM DETAILS
F.A. RT. 805, SEC. 126 BR
CLINTON COUNTY
STATION 1119 + 05

DESIGNED D.C.	
CHECKED G.R.	LK
DRAWN	DMB
CHECKED GR	LK

PD-3-S 6-15-80

FOR INFORMATION ONLY

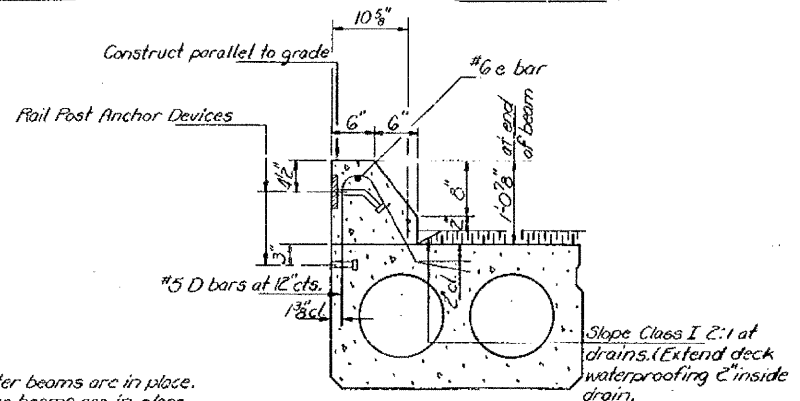
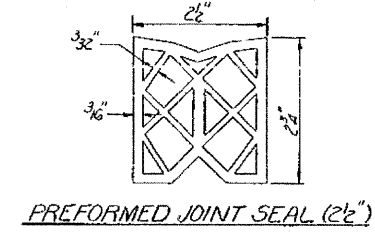
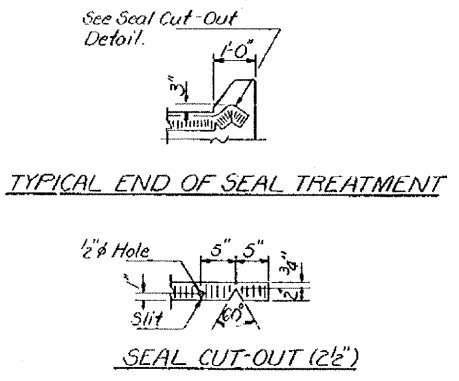
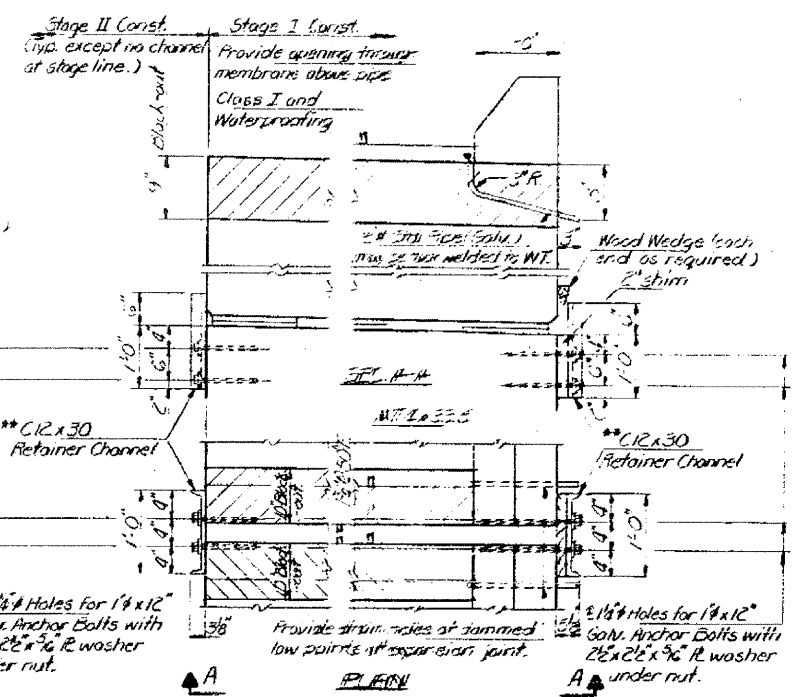
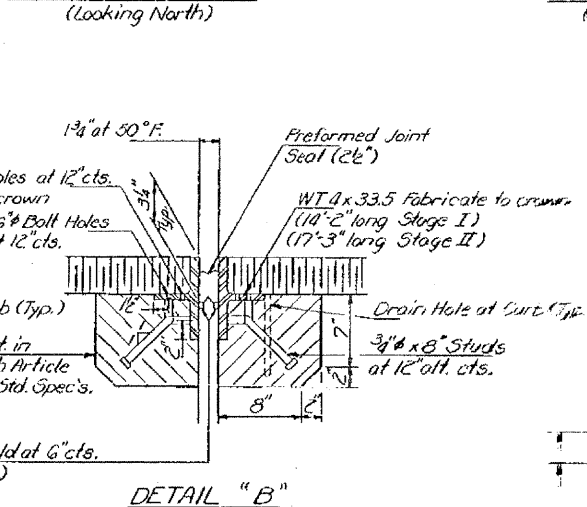
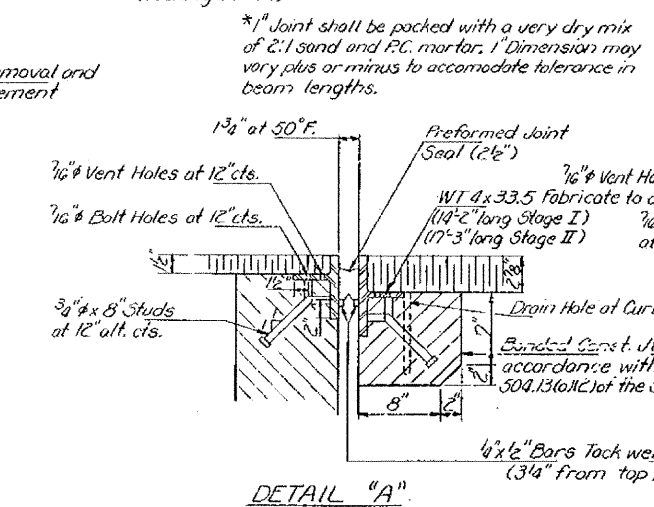
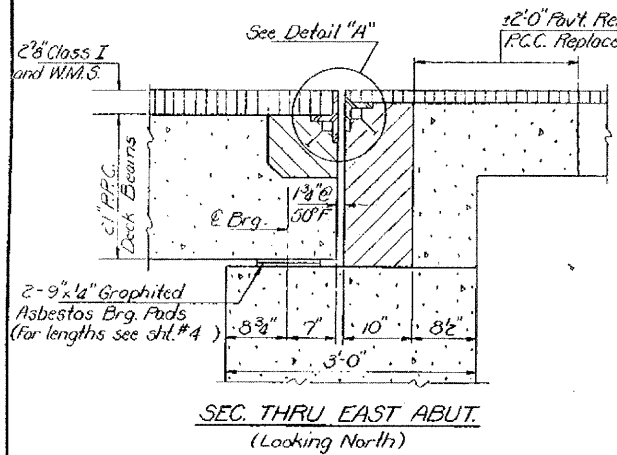
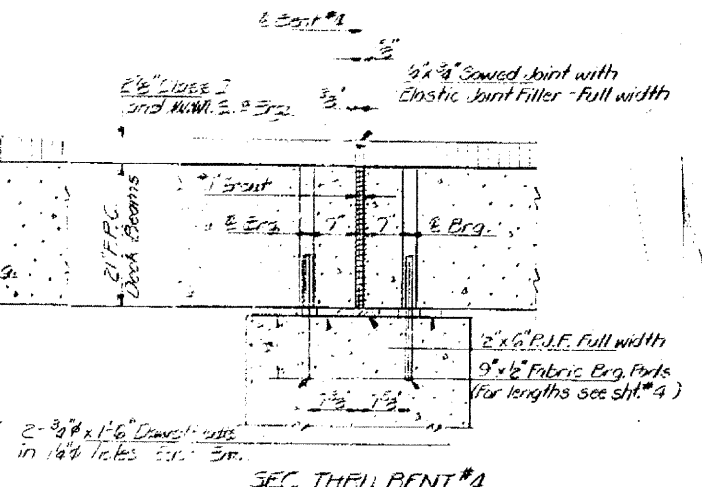
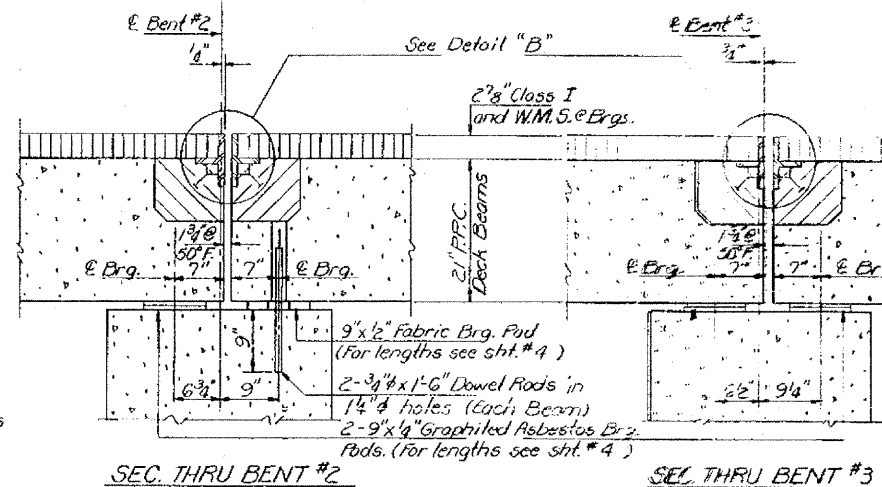
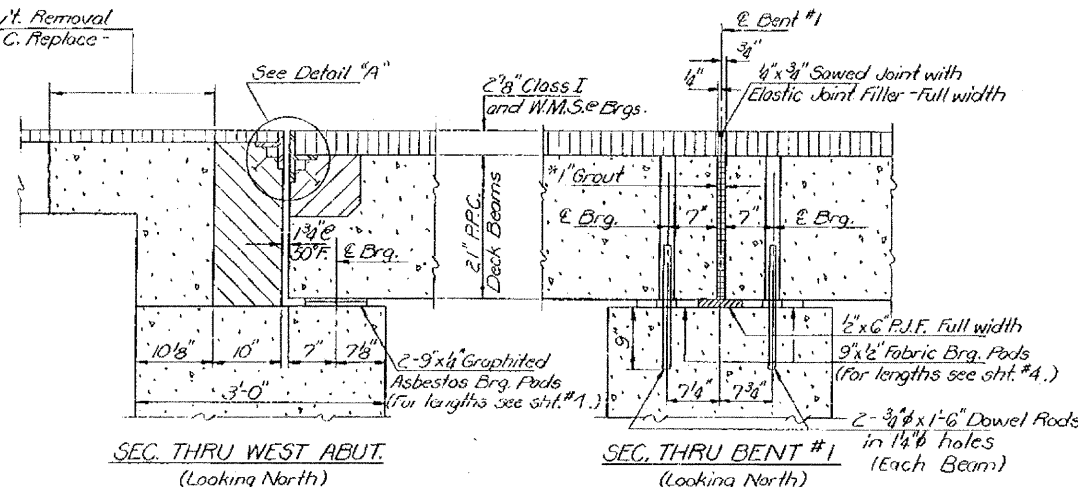
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PLOT DATE = 12/9/2008		DATE	REVISED -					ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126-8R-1	CLINTON	85	13

14 SHEETS

±2'-0" Pav't. Removal and P.C.C. Replacement.



Notes: All hatched areas to be poured after beams are in place.
All dowel rods to be grouted after beams are in place and allowed to cure a min. of 24 hrs. prior to grouting shear keys.
Ends of beams shall be aligned at the expansion joints. Any lineal variation in the beam lengths shall be placed at the fixed joint.

** Anchor bolts for Channel shall be cast into masonry. Cost including Retainer Channels and accessories incidental to Beams.
Note: After block-outs are poured and cured the retainer channels shall be removed. Anchor bolts may be left in place.

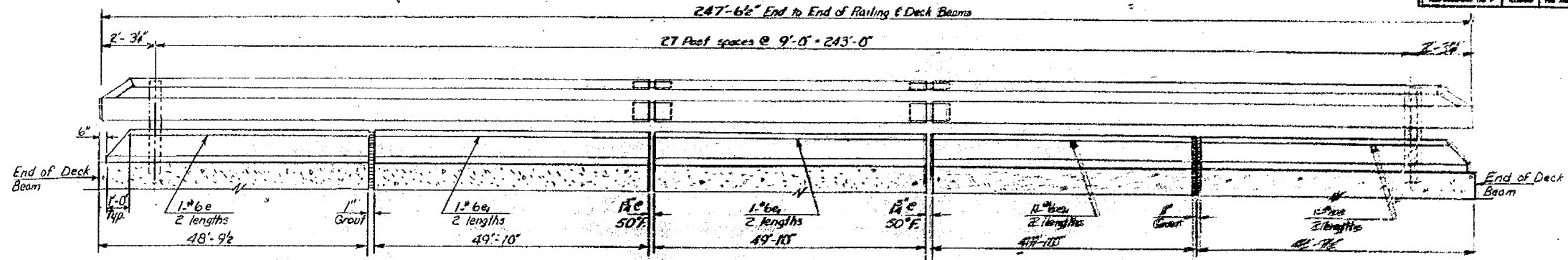
DESIGNED D.C.	EXAMINED <i>James J. Harburn</i>
CHECKED G.R. LK	PASSED <i>Clark S. Thurman</i>
DRAWN Joe Sutherland	APPROVED
CHECKED G.R. LK	DIRECTOR OF HIGHWAYS

SUPERSTRUCTURE DETAILS
FA. RT. 805 SEC. 126 BR
CLINTON COUNTY
STATION 1119+05.00

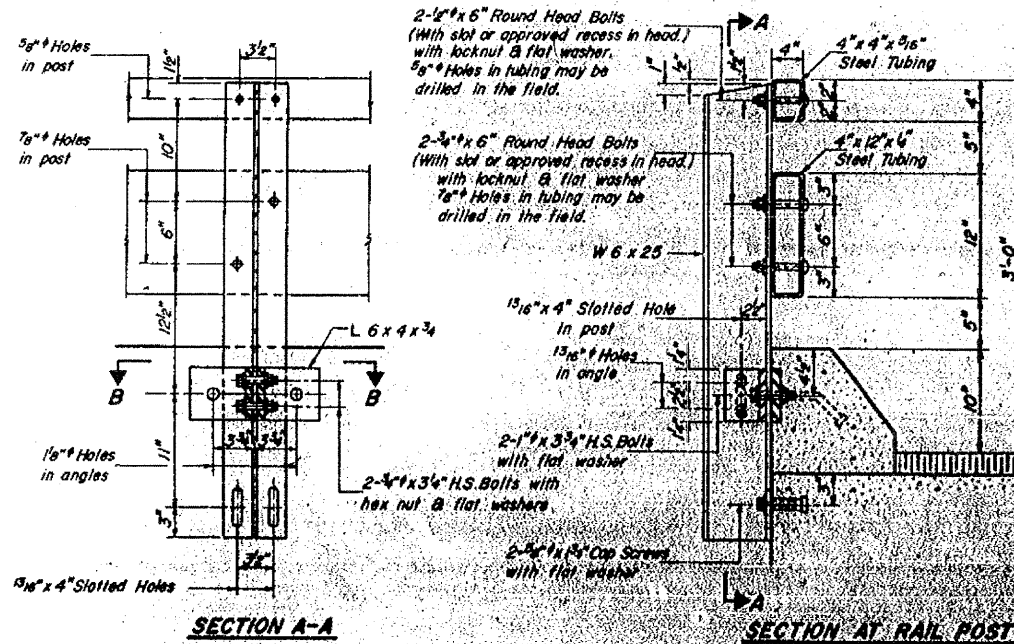
FOR INFORMATION ONLY

FILE NAME =	USER NAME = gsjrh	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. R.T. 805	SECTION 126-8R-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 71
CONTRACT NO. 76976	SCALE: 1" = 50"	DRAWN - HG	REVISIONS	SCALE: 1" = 50"	SHEET NO. 13 OF 14 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

DATE	30	14
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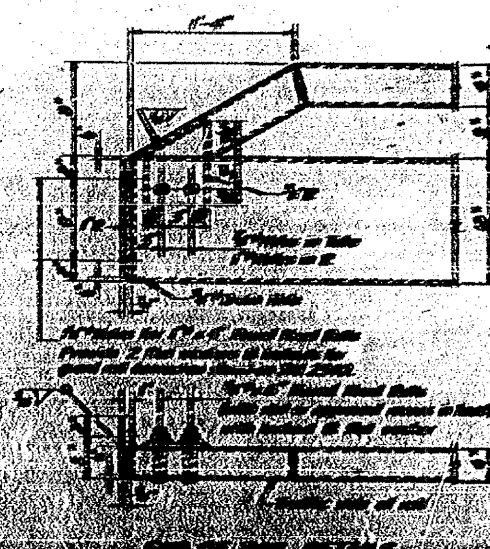


ELEVATION
(Showing Inside Face)



SECTION A-A

SECTION AT RAIL POST



DETAILS

NOTES

Unless structural steel tubing shall conform to the requirements of ASTM designation A-360 Grade B Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-223 except posts and angles shall conform to AASHTO M-223, Grade 50. Bolts, nuts, washers, and lock washers shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-54.

All bolts, nuts, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All rivets, rolling mill spacers, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-11 and ASTM A-360.

Structural rail shall not be painted.

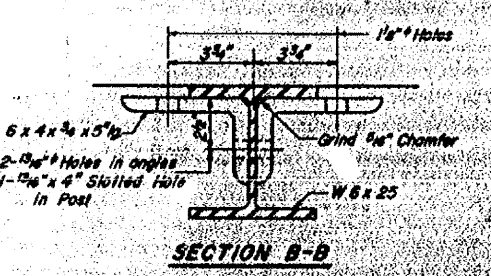
Railings shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per linear foot for STEEL RAILING, TYPE T-1.

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

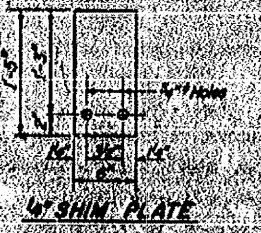
The lower portion of the post flange in contact with concrete shall receive a coat of contact paint conforming to Section 714.08 Type B or place 1/2" thick bedding pad between the post and concrete.

The 1/2" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 5070.4(g)(3) of the Standard Specifications. The 1/2" x 3" H.S. bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/4 turn. The 2 3/4" x 3" cap screws in flange of post shall be tightened to a snug fit only.

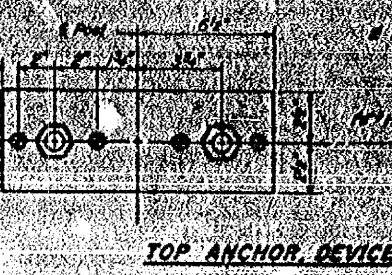
For each post spacing, sufficient 1/2" x 6" x 1-5/8" galvanized steel shims shall be provided to give rail between adjacent spans. Cost incidental to post spacing.



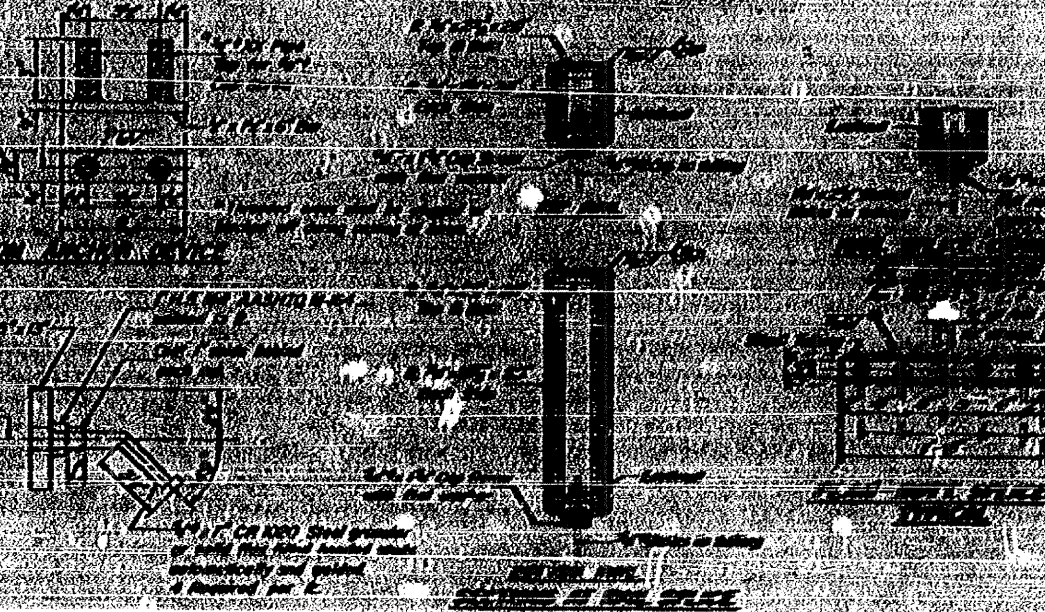
SECTION B-B



4" SHIM PLATE



TOP ANCHOR DEVICE



BOTTOM ANCHOR DEVICE

**CURB & RAIL
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
6	8	1/2"	24'-7"	
6	12	1/2"	25'-10"	
Reinforcement Bars			Lbs.	760
Concrete			Cu. Yds.	16.1
Paint			Lbs.	496

TYPE T-1
STEEL RAILING
EA. RTE. 805 SEC. 126 BR
CLINTON COUNTY
STATION 1119+05

DESIGNED D.C.
CHECKED GR LK
DRAWN John A. Foster
CHECKED GR LK

R-24A 8-30-80 (11'-0" Maximum Post Spacing)

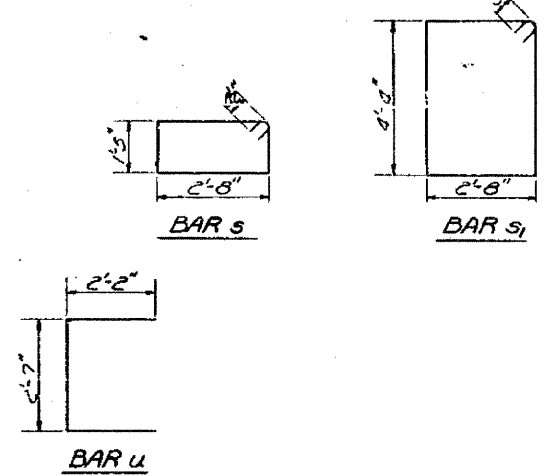
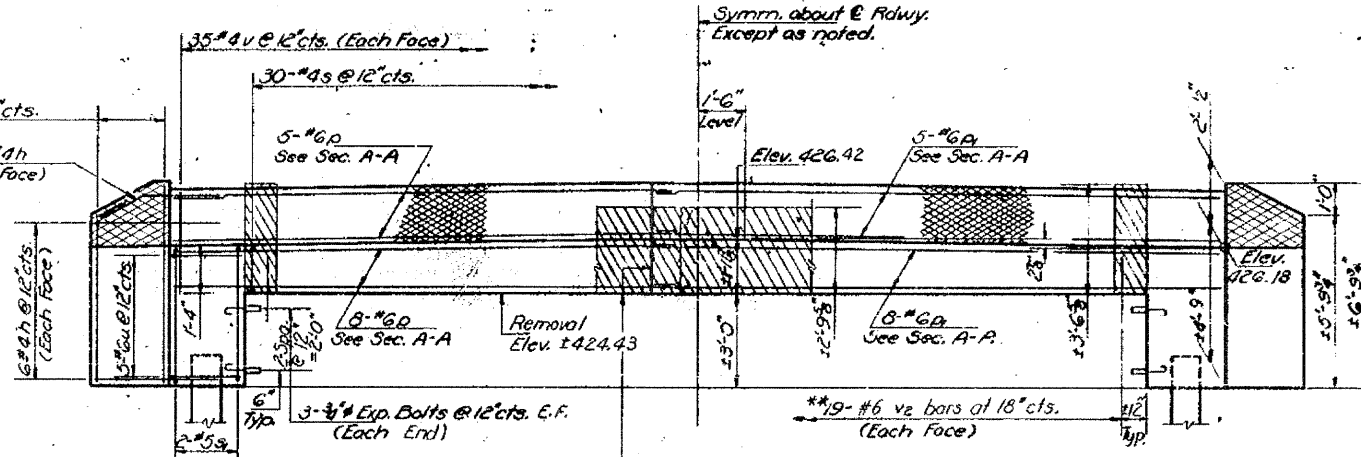
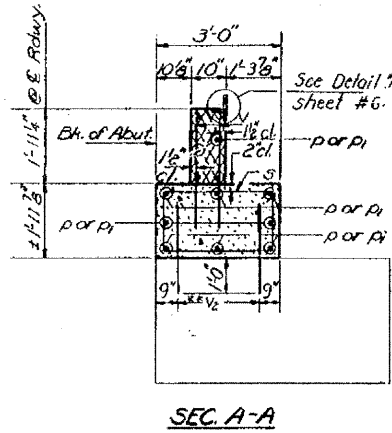
FOR INFORMATION ONLY

FILE NAME =	USER NAME = galink	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 72
DESIGNED - HG	REVISED - ---	DESIGNED - HG	REVISED - ---	SCALE: 1" = 50"	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76976			
DRAWN - John A. Foster	REVISED - ---	CHECKED - GR LK	REVISED - ---	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
CHECKED - GR LK	REVISED - ---	DATE -	REVISED - ---							

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

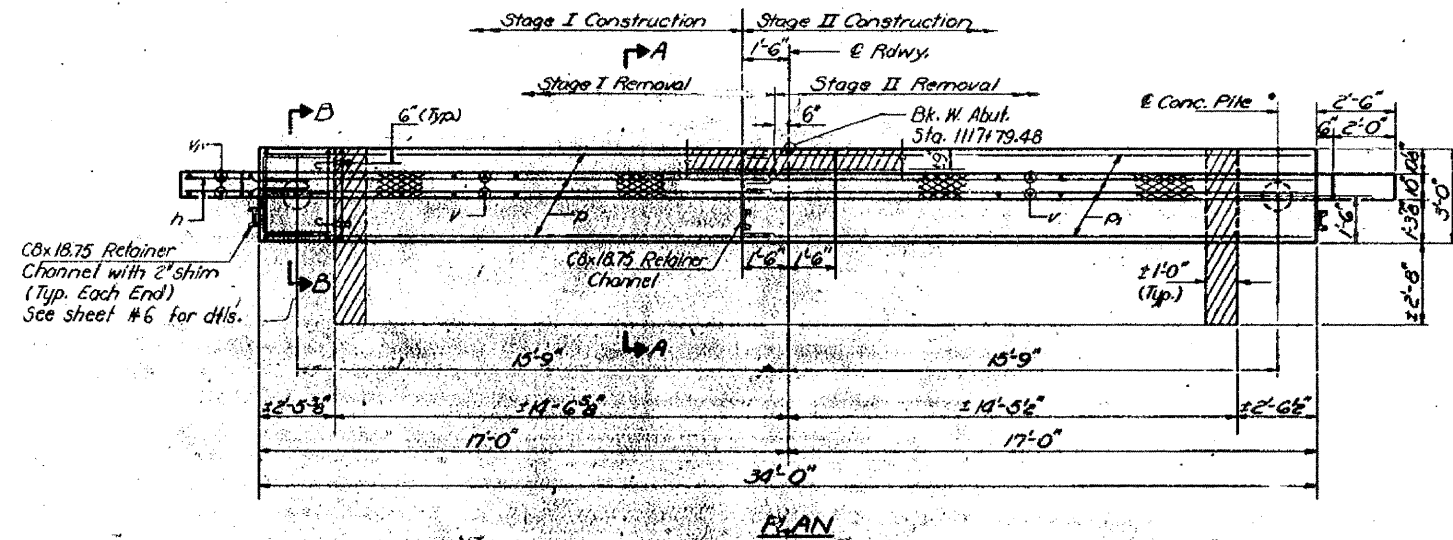
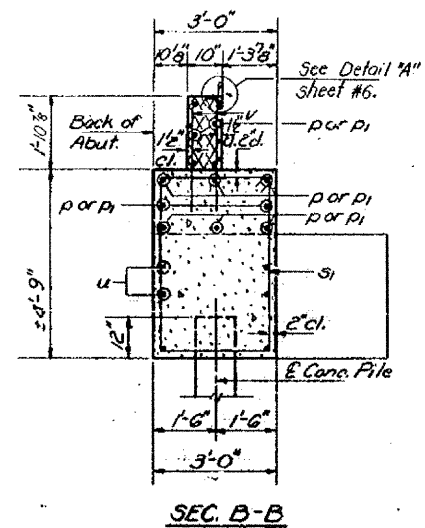
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			30	15
SHEET NO. 8				
14 SHEETS				

* Bend in field as required.



Bonded Const. Jts. in accordance with Art. 504.13(a)(2) of the Std. Specs.

**Drill 1" x 1'-0" hole. Epoxy grout ve bars. See Special Provisions for epoxy grout.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	28	#4	3'-6"	—
p	13	#6	16'-4"	—
pl	13	#6	18'-3"	—
s	30	#4	8'-11"	□
s1	4	#5	14'-0"	□
u	10	#6	6'-11"	□
v	70	#4	3'-0"	—
w	12	#4	6'-5"	—
ve	38	#6	2'-6"	—
Class X Concrete		cu. yd.	11.5	
Concrete Removal		cu. yd.	3	
Reinforcement Bars		lb.	1420	
Concrete Piles		lin. ft.	70	
Expansion Bolts		each	12	

DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*

EXAMINED: *[Signature]*
 PASSED: *[Signature]*
 DATE: FEB 1 1973

FILE DATA
 Type: Concrete
 Capacity: 30 Tons
 Est. Length: 35'
 No. Req'd: 2

Notes:
 Hatched area denotes existing concrete to be removed.
 Cross-hatched area to be poured after deck beams are in place.
 Existing reinforcement extending into removed areas shall be cleaned and incorporated into new construction.
 Expansion bolts shall be anchored in sound concrete.

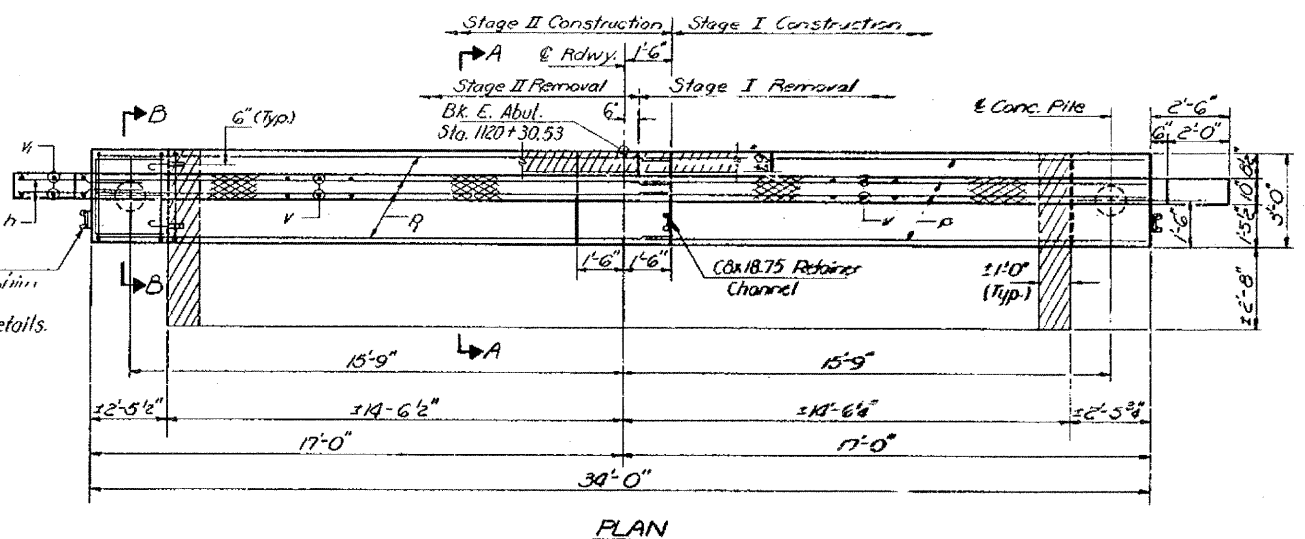
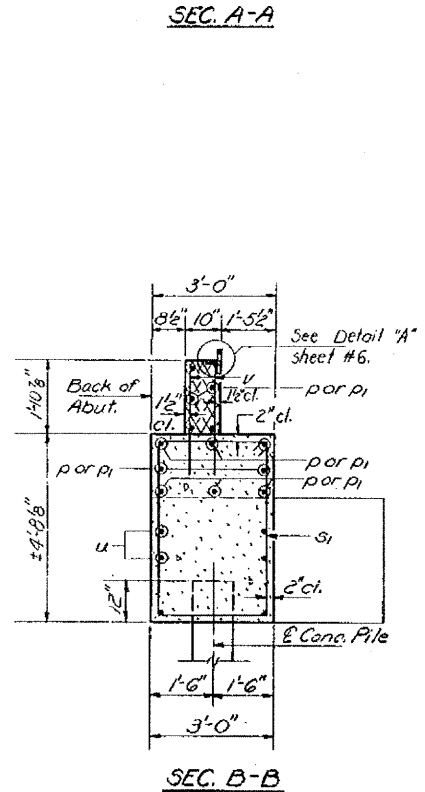
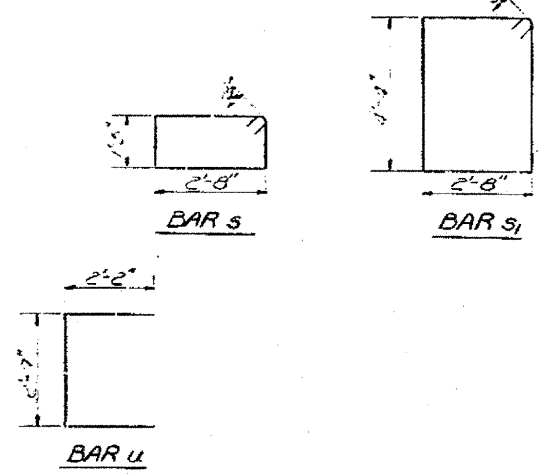
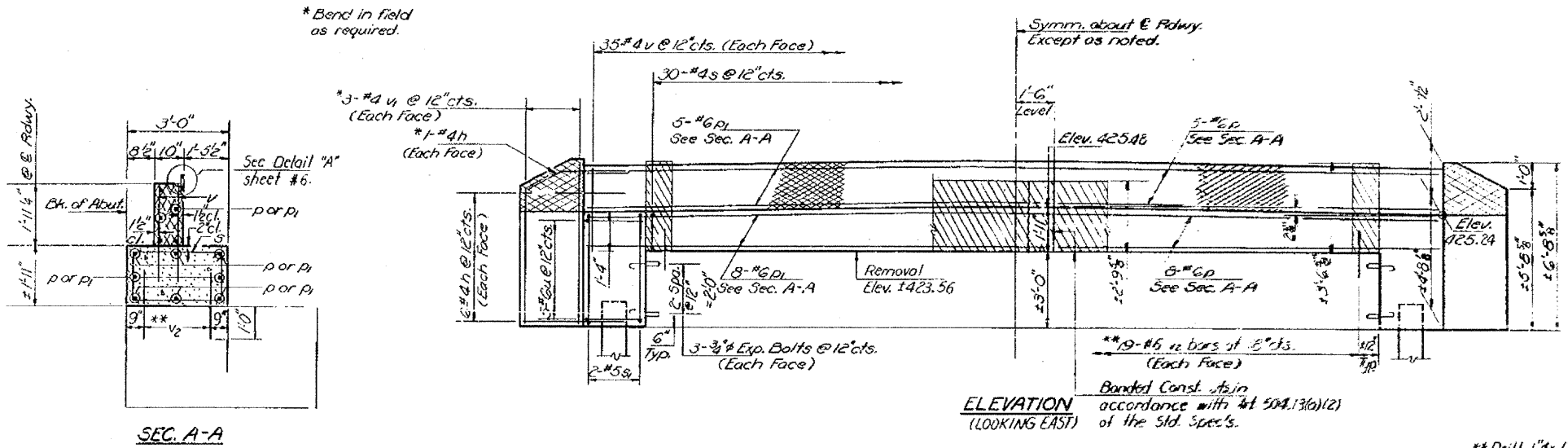
WEST ABUTMENT
 F.A. RT. 805 SEC. 126 BR
 CLINTON COUNTY
 STATION 1119+05

FOR INFORMATION ONLY

FILE NAME =	USER NAME = gelnh	DESIGNED - HG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 73		
ci:\pwwork\pardon\gelinh\cda51845\p18936a.dgn	PLOT SCALE = 1/8" = 1'-0"	DRAWN - HG	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 76976				
	PLOT DATE = 12/9/2008	CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	30	16	SHEET NO. 9
			14 SHEETS



**Drill 1" x 1'-0" hole. Epoxy grout vs bars. See Special Provisions for epoxy grout.

BILL OF MATERIAL

Bar	No	Size	Length	Shape
h	28	#4	3'-6"	—
d	13	#6	16'-4"	—
p	13	#6	18'-3"	—
s	30	#4	8'-11"	□
s	4	#5	14'-10"	□
u	10	#6	6'-11"	□
v	70	#4	3'-0"	—
w	12	#4	6'-3"	—
ve	38	#6	2'-6"	—
Class X Concrete		Cu. Yd.	11.3	
Concrete Removal		Cu. Yd.	3	
Reinforcement Bars		Lbs.	1420	
Concrete Piles		Cu. Ft.	70	
Expansion Bars		#4 Each	12	

DESIGNED	<i>Steve Schultz</i>	EXAMINED	<i>[Signature]</i>
CHECKED	<i>LK</i>	PASSED	<i>[Signature]</i>
DRAWN	<i>J. Sutherland</i>	APPROVED	<i>[Signature]</i>
CHECKED	<i>LK GR</i>		

DATE: FEB. 1 1973

PILE DATA
Type: Concrete
Capacity: 30 Tons
Est. Length: 35'
No. Req'd: 2

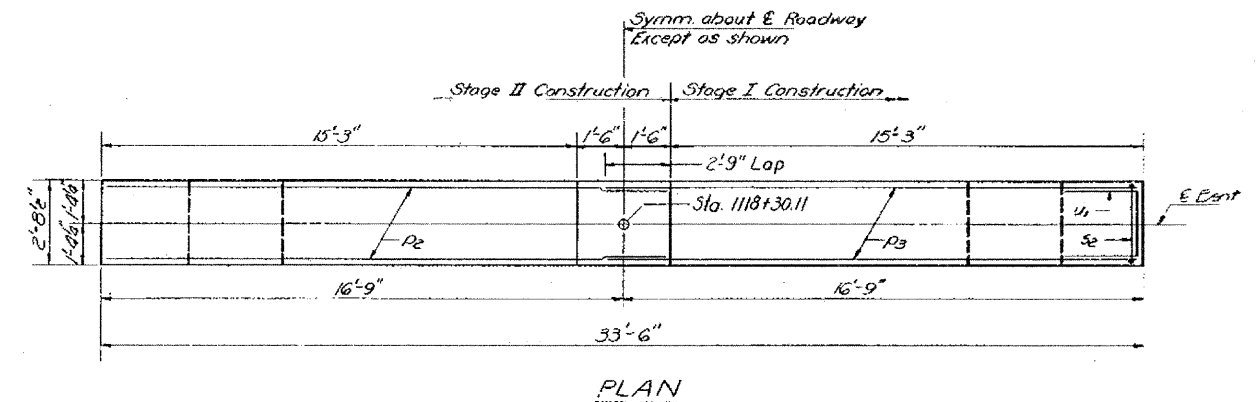
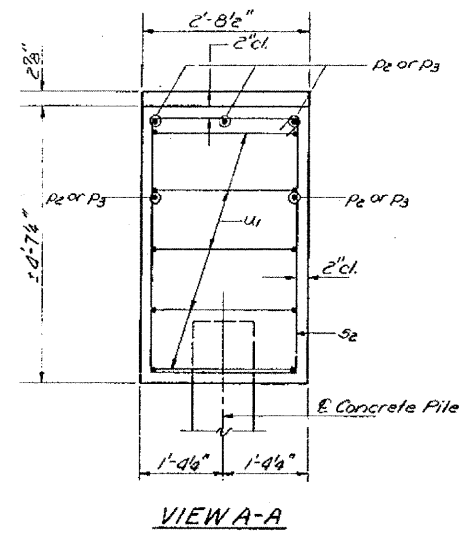
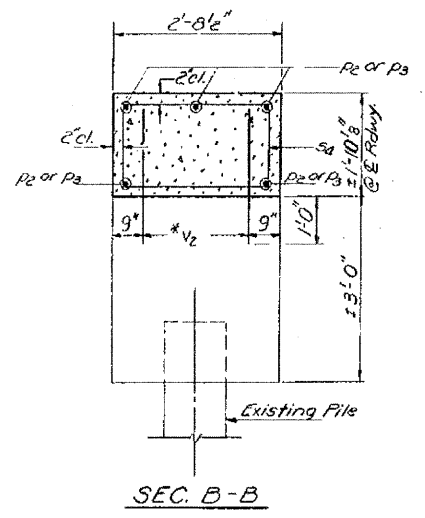
Notes:
Hatched area denotes existing concrete to be removed.
Cross hatched area to be poured after deck beams are in place.
Existing Reinforcement extending into removed areas shall be cleaned and incorporated into new construction.
Expansion bolts shall be anchored in sound concrete.

EAST ABUTMENT
F.A. RT 805 SEC. 126 BR
CLINTON COUNTY
STATION 1119+05

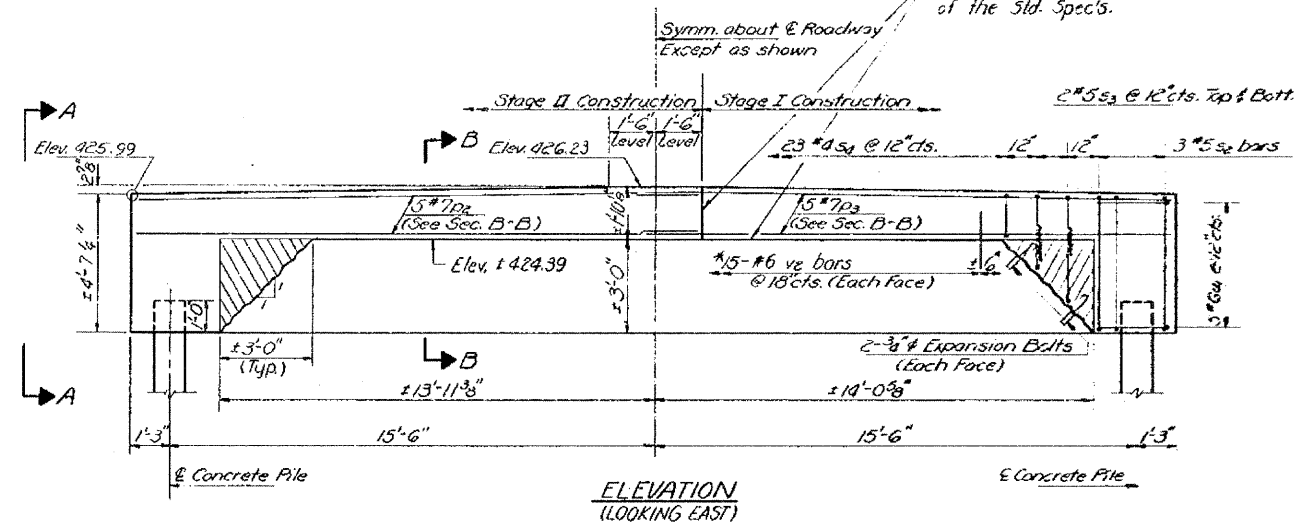
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	NO.	BY	REV.	SHEET NO.
				17
				4 SHEETS

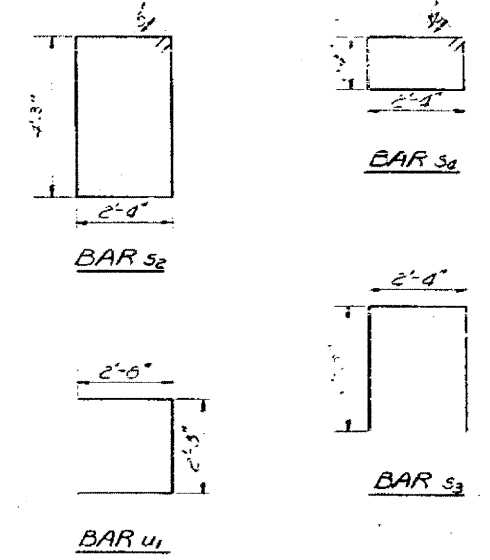


*Drill 1" x 1'-0" hole. Epoxy grout vs bars. See Special Provisions for epoxy grout.



PILE DATA
Type: Concrete
Capacity: 45 Tons
Est. Length: 43'
No. Req'd: 2

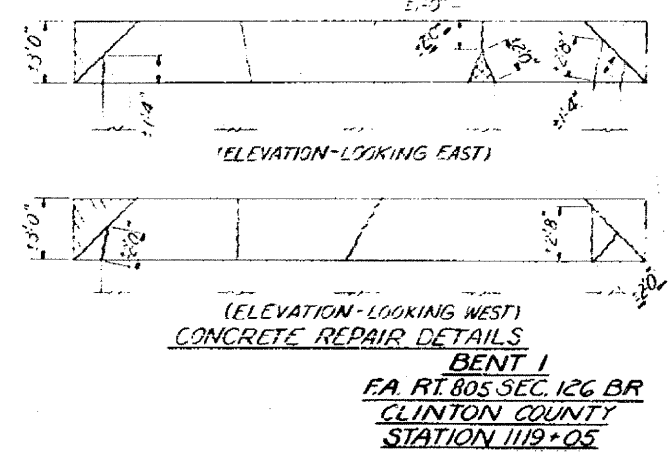
Notes:
Hatched area denotes existing concrete to be removed.
Existing Reinforcement extending into removed areas shall be cleaned and incorporated into new construction.
Expansion bells shall be anchored in sound concrete.
Cross hatched area indicates existing concrete to be repaired.



BILL OF MATERIAL

Bar No.	Size	Length	Shape
S2	#7	18'-0"	—
S3	#7	13'-0"	—
S4	#5	14'-0"	□
S3	#5	6'-10"	□
S4	#4	8'-1"	□
U1	#6	7'-7"	—
U2	#6	2'-5"	—

Class X Concrete Cu. Vol. 8.3
Concrete Removal Cu. Vol. 1
Reinforcement Bars Pound 860
Expansion Bolts #4 Each 3
Concrete Piles Lin. Ft. 86



DESIGNED: *[Signature]*
CHECKED: *[Signature]*
DRAWN: *[Signature]*
CHECKED: *[Signature]*

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

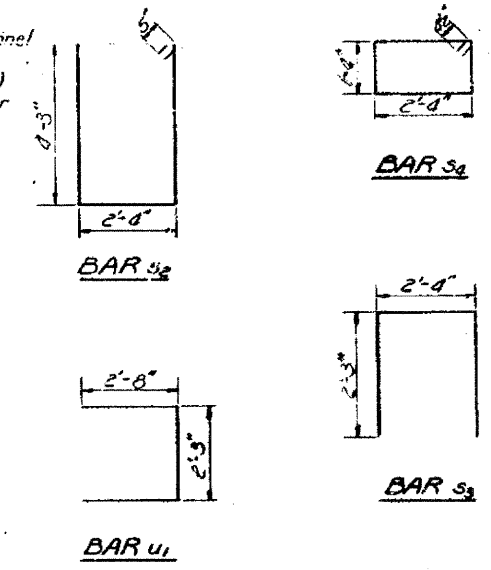
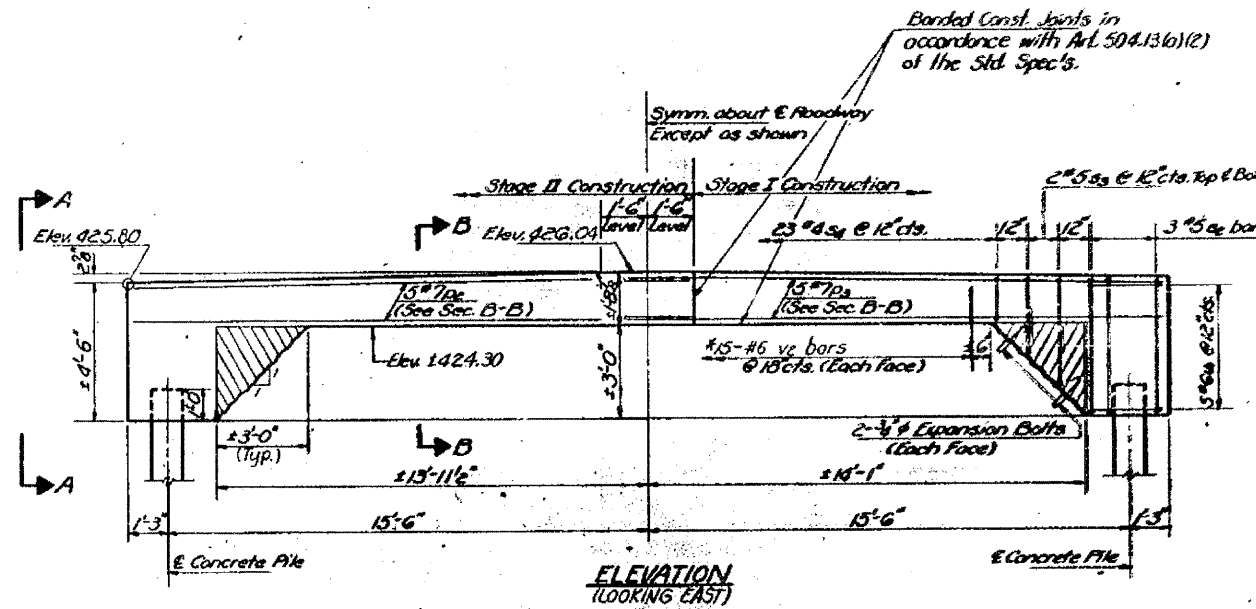
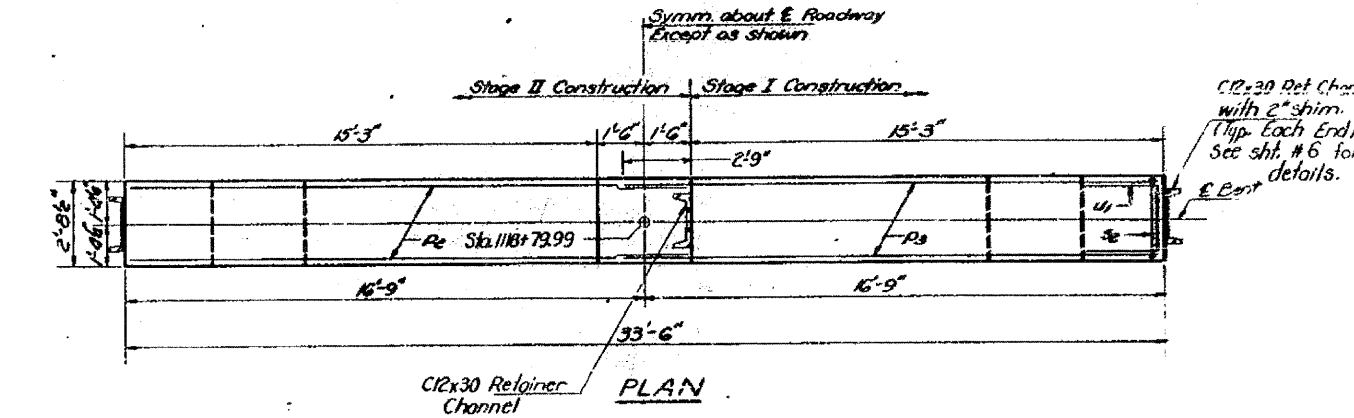
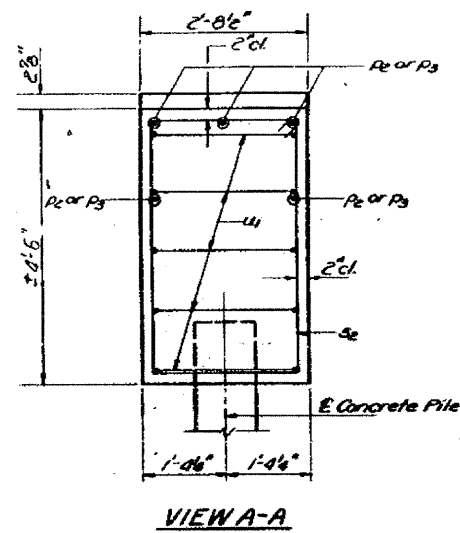
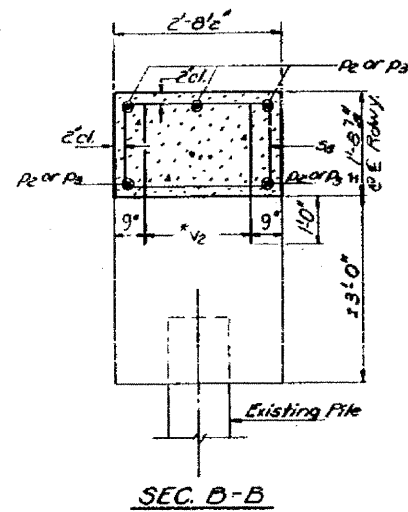
FEB 1 1973

FOR INFORMATION ONLY

FILE NAME =	USER NAME = gclink	DESIGNED - HG	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. RITE: 805	SECTION: 126-BR-1	COUNTY: CLINTON	TOTAL SHEETS: 85	SHEET NO.: 75
c:\pwork\pwork\gclink\dms51845\p1n88596a.dgn		DRAWN - HG	REVISOR -							
PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISOR -							
PLOT DATE = 12/9/2000		DATE -	REVISOR -							
SCALE: 1" = 50"						SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	30	18	SHEET NO. 11
NO. SHEETS	18 SHEETS		

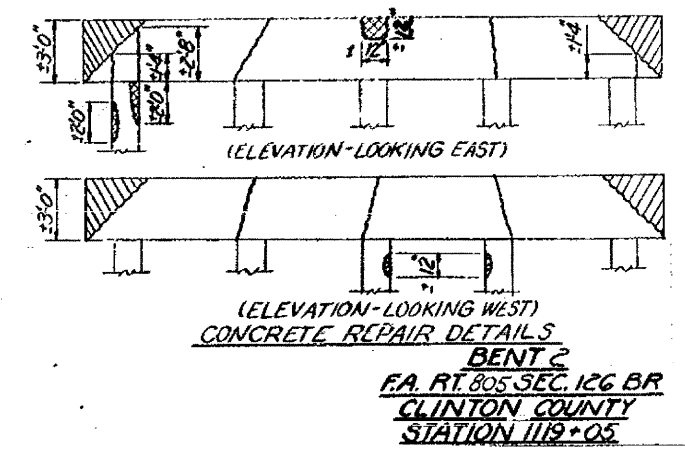


BILL OF MATERIAL

Bar No.	Size	Length	Shape
Pa	5 #7	18'-0"	—
Pa	5 #7	18'-0"	—
4	6 #5	14'-0"	□
5a	8 #5	6'-10"	□
5b	23 #8	8'-1"	□
u	10 #6	7'-7"	□
1/2	30 #6	2'-6"	—
Class X Concrete Cu. Yd. 79			
Concrete Removal Cu. Yd. 1			
Reinforcement Bars Round 860			
Expansion Bolts 1/2" Each 8			
Concrete Piles Length 100			

FILE DATA
Type: Concrete
Capacity: 45 Tons
Est. Length: 50'
No. Reql: 2

Notes:
Hatched area denotes existing concrete to be removed.
Existing Reinforcement extending into removed area shall be cleaned and incorporated into new construction.
Expansion bolts shall be anchored in sound concrete.
Cross hatched areas indicate existing concrete to be repaired.



DESIGNED: *Stan Reddick*
CHECKED: *Jerma Pennington*
DRAWN: *J. Sutherland*
CHECKED: *LK GR*

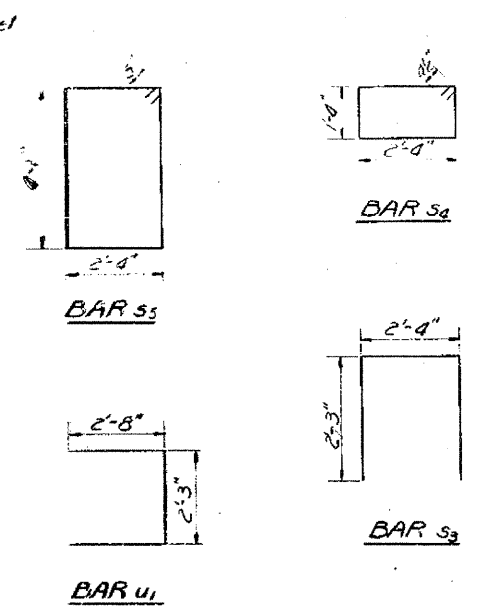
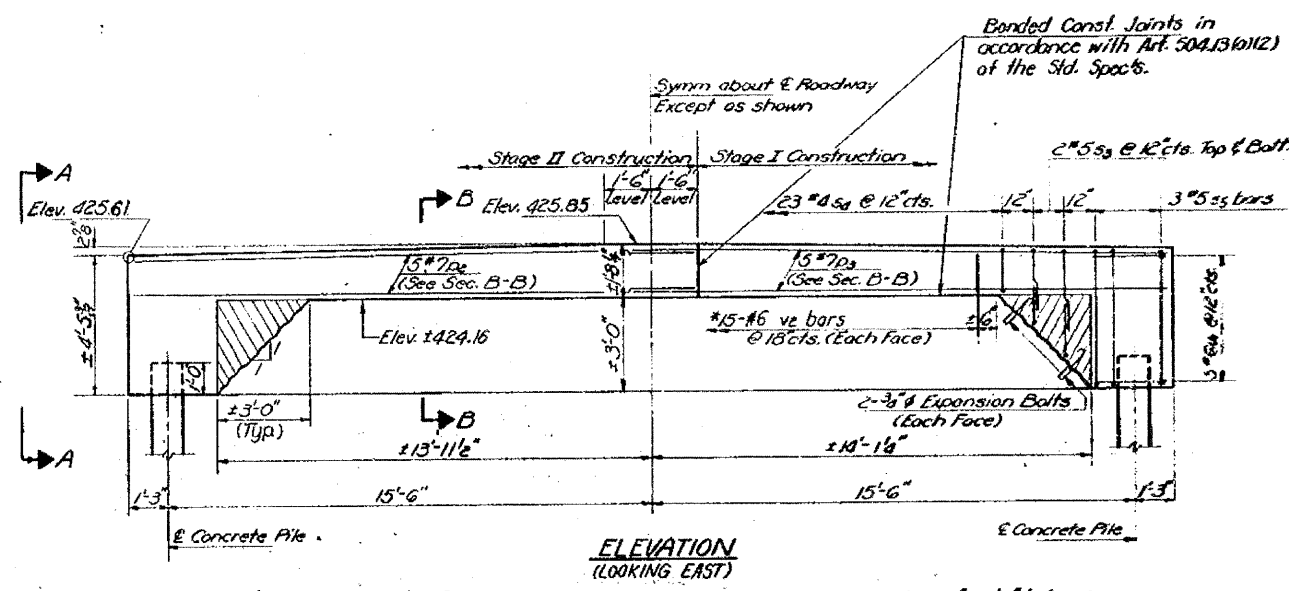
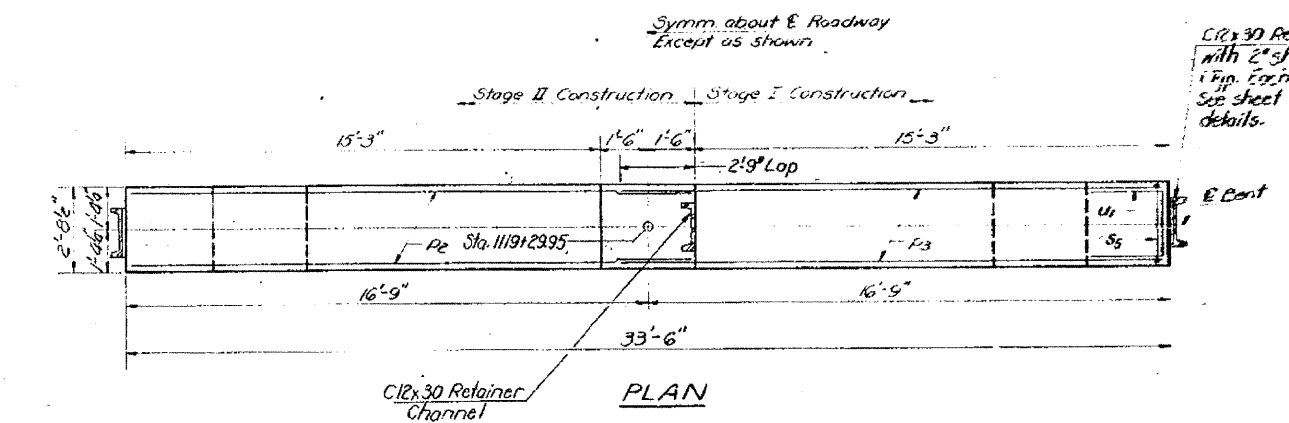
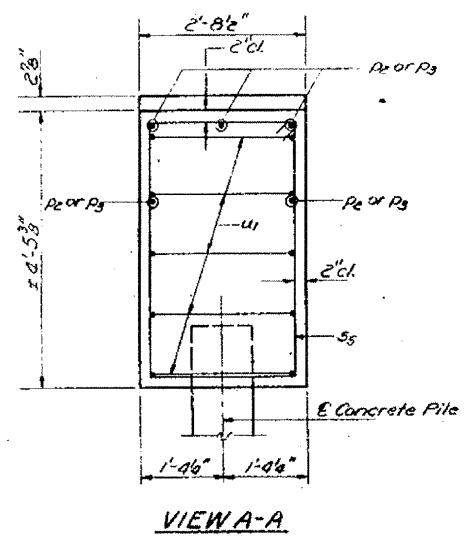
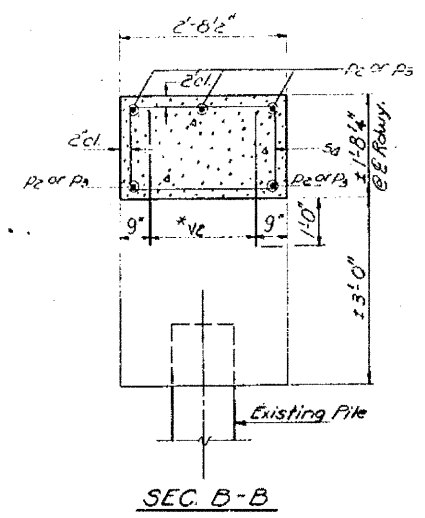
DESIGNED: *Richard J. Hollerman*
CHECKED: *Richard J. Hollerman*

FOR INFORMATION ONLY

FILE NAME =	USER NAME = g01rn	DESIGNED - HG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. R.T.E. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 76
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PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISED -							
PLOT DATE = 12/19/2008		DATE -	REVISED -							
SCALE: 1" = 50"						SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
								CONTRACT NO. 76976		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			30	19
14 SHEETS				



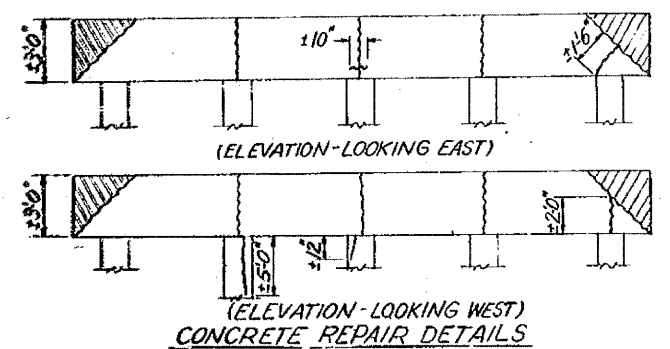
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
R2	5	#7	18'-0"	
R2	5	#7	18'-0"	
S4	8	#5	6'-10"	
S4	23	#4	8'-1"	
S5	6	#5	13'-8"	
U1	10	#6	7'-7"	
V2	30	#6	2'-6"	
Class X Concrete		Cu. Yd.	7.7	
Concrete Removal		Cu. Yd.	1	
Reinforcement Bars		Found	860	
Expansion Bolts		#7 Each	3	
Concrete Piles		Lin. Ft.	98	

PILE DATA

Type:	Concrete
Capacity:	45 Tons
Est. Length:	46'
No. Req'd:	2

Notes:
Hatched area denotes existing concrete to be removed.
Existing Reinforcement extending into removed areas shall be cleaned and incorporated into new construction.
Expansion bolts shall be anchored in sound concrete.



DESIGNED: *[Signature]*
CHECKED: *[Signature]*
DRAWN: *[Signature]*
CHECKED: *[Signature]*

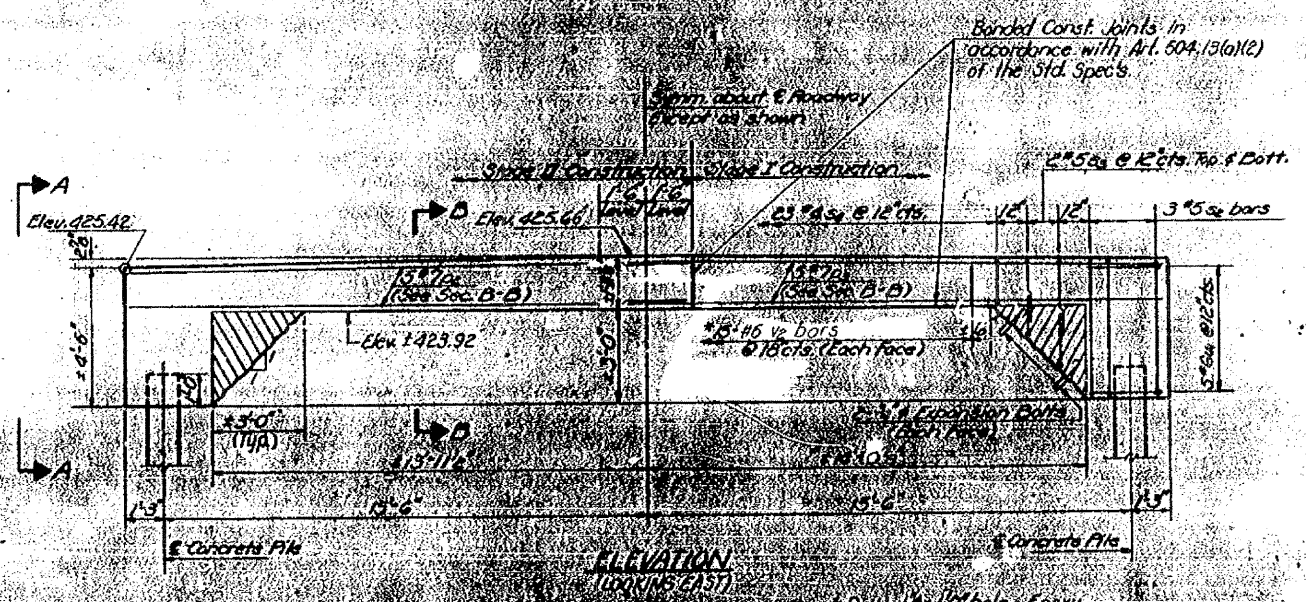
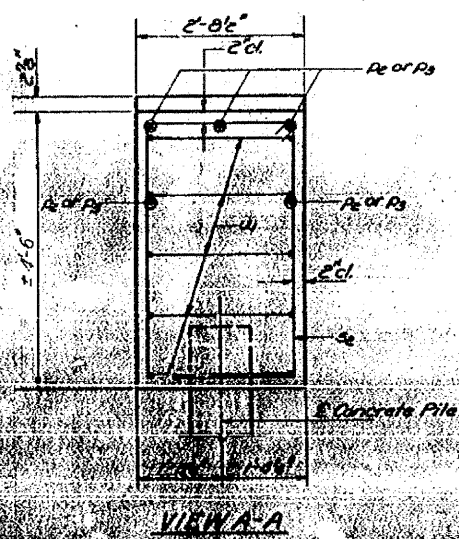
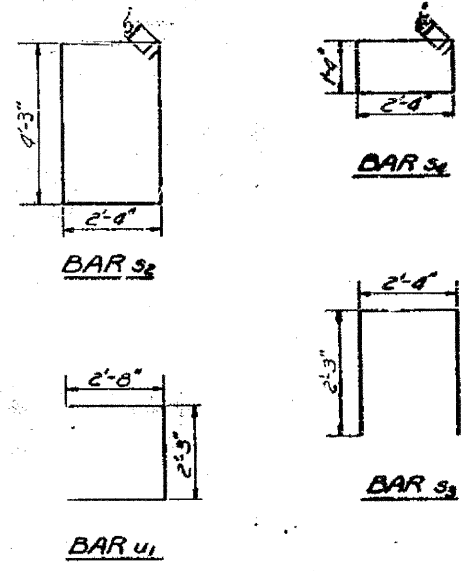
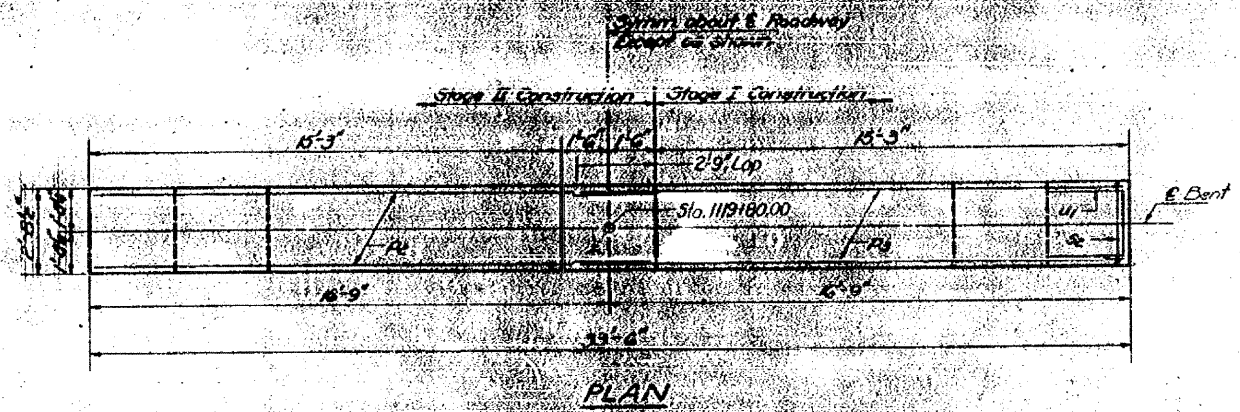
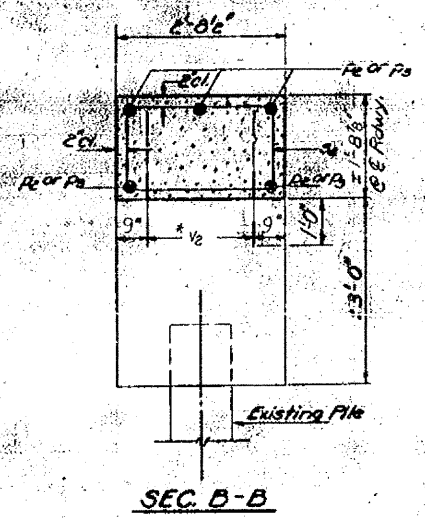
EXAMINED: *[Signature]*
PASSED: *[Signature]*
APPROVED: *[Signature]*

FOR INFORMATION ONLY

FILE NAME:	USER NAME: gelnh	DESIGNED: HC	REVISIONS:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 77
CONTRACT NO. 76976	SCALE: 1" = 30"	SHEET NO. 19	OF 30 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	NO.	BY	REV.	NO.	DATE
			30	20	
SHEET NO. 13					14 SHEETS

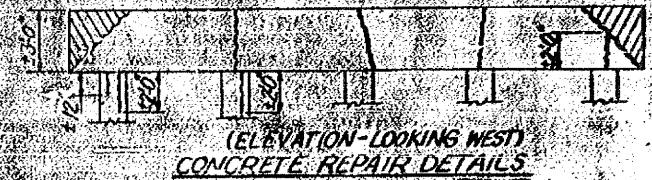
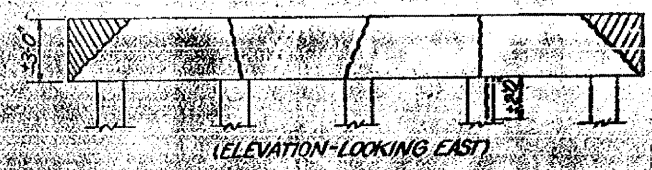


BILL OF MATERIAL

Bar No.	Size	Length	Shape
P1	#7	18'-0"	
P2	#7	18'-0"	
P3	#6	13'-0"	
P4	#8	6'-10"	
P5	#8	8'-1"	
u1	#6	7'-7"	
v2	#6	2'-6"	
Class X Concrete 0.72 7.9			
Concrete Removal 0.14 1			
Reinforcement Bars 860			
Expansion Bolts 8			
Concrete Piles 1.00 0.5			

PILE DATA

Capacity: _____
 Allowable: _____
 No. Piles: 2



CONCRETE REPAIR DETAILS

FA. RT. 805 SEC. 126 BR
 CLINTON COUNTY
 STATION 118+00

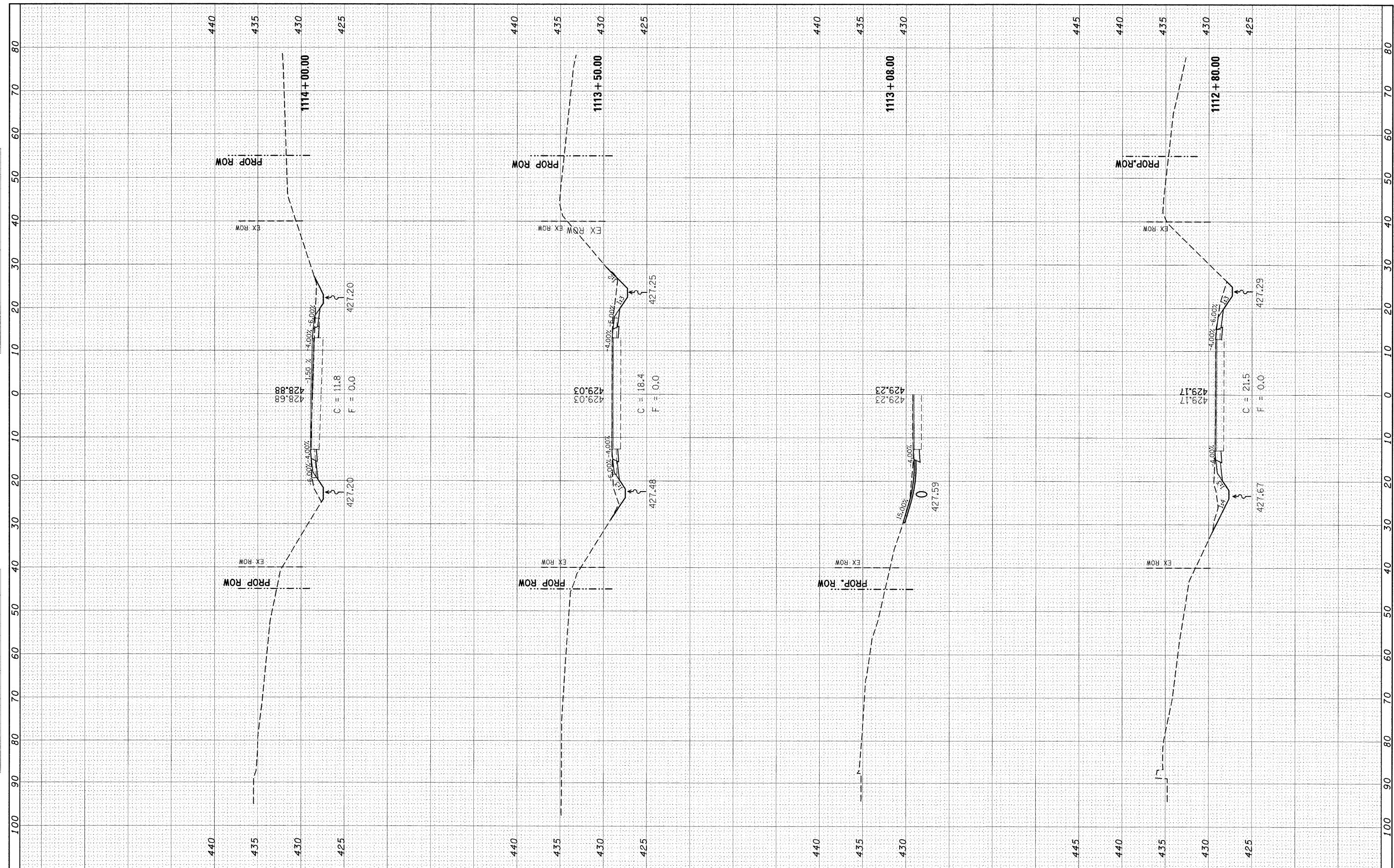
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 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____

FOR INFORMATION ONLY

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PLOT SCALE: 1/8" = 1'-0"	DRAWN: HG	CHECKED: ---	REVISIONS: ---			SCALE: 1" = 30"	SHEET NO. 13 OF 14 SHEETS	STA. 118+00 TO STA. 118+00	CONTRACT NO. 76976		
PLOT DATE: 12/9/2008	DATE: ---	REVISIONS: ---	REVISIONS: ---			ILLINOIS FED. AID PROJECT					

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

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



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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 12/9/2008

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

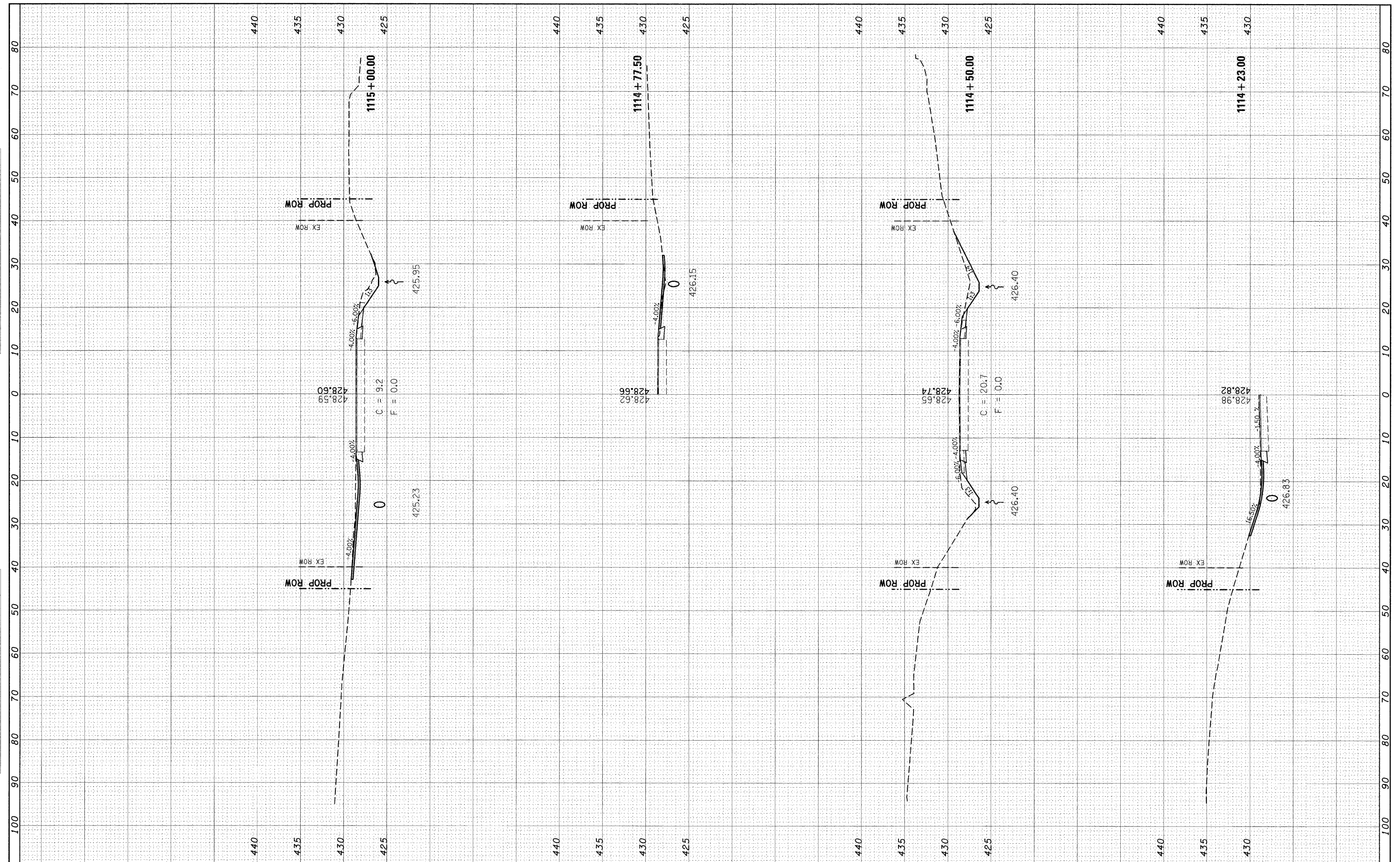
MAINLINE CROSS SECTIONS

SCALE: 1" = 50" SHEET NO. ___ OF ___ SHEETS STA. 1112+80.00 TO STA. 1114+00.00

F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 79
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

BY: _____ DATE: _____
 SURVEYED _____
 FINISH _____
 ORIGINAL _____
 NO. _____

BY: _____ DATE: _____
 SURVEYED _____
 FINISH _____
 ORIGINAL _____
 NO. _____



FILE NAME =	USER NAME = geinh	DESIGNED -	REVISED -
ci:\pwork\psidot\geinh\dms51826\ssht20506a.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

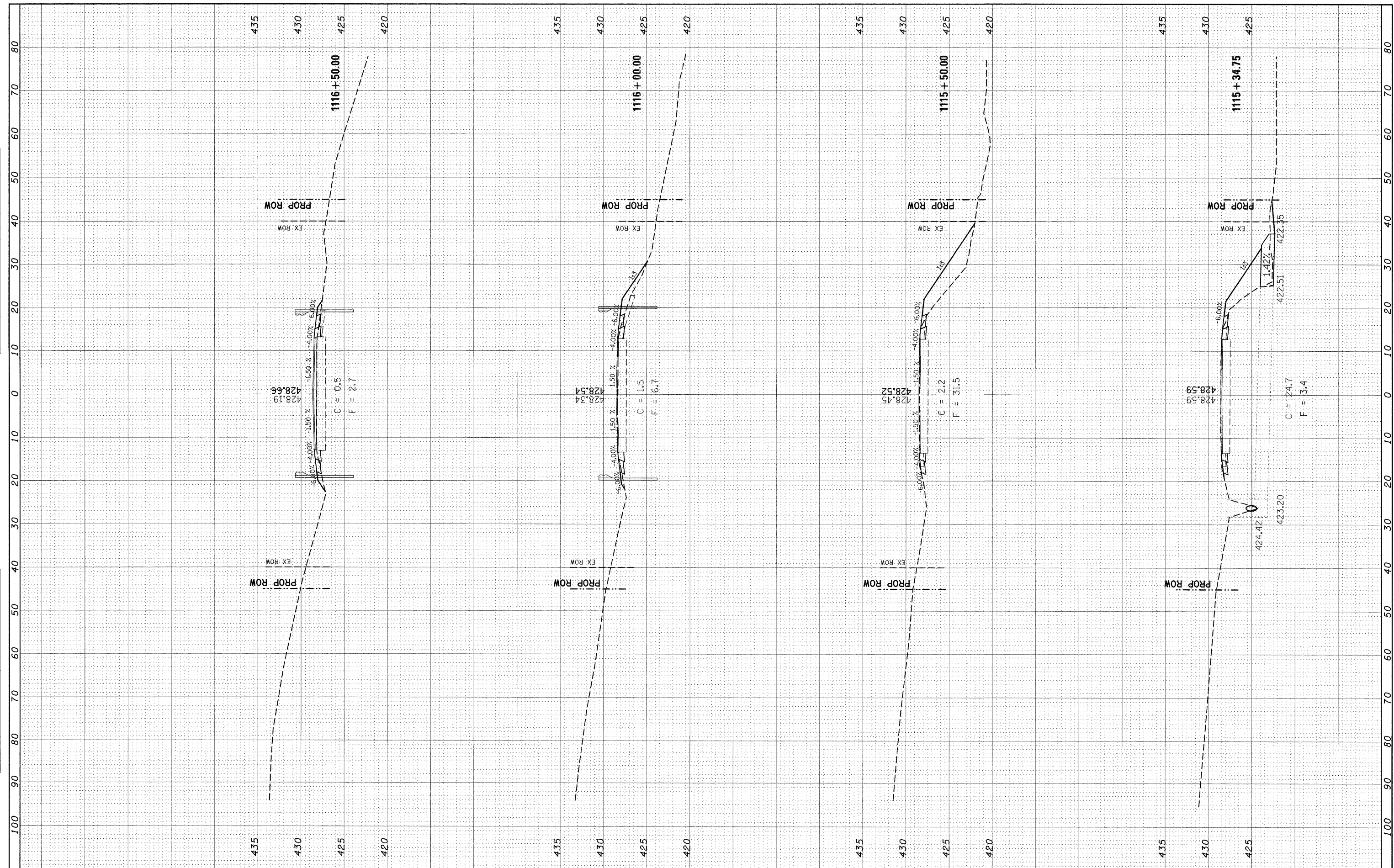
MAINLINE CROSS SECTIONS

SCALE: 1" = 50" SHEET NO. ___ OF ___ SHEETS STA. 1114+23.00 TO STA. 1115+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	80
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

FINAL SURVEY
 SURVEYED _____
 NOTE BOOK _____
 NO. _____

ORIGINAL SURVEY
 SURVEYED _____
 NOTE BOOK _____
 NO. _____



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USER NAME = gelinh
 PLOT SCALE = 10.0000 / IN.
 PLOT DATE = 12/9/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

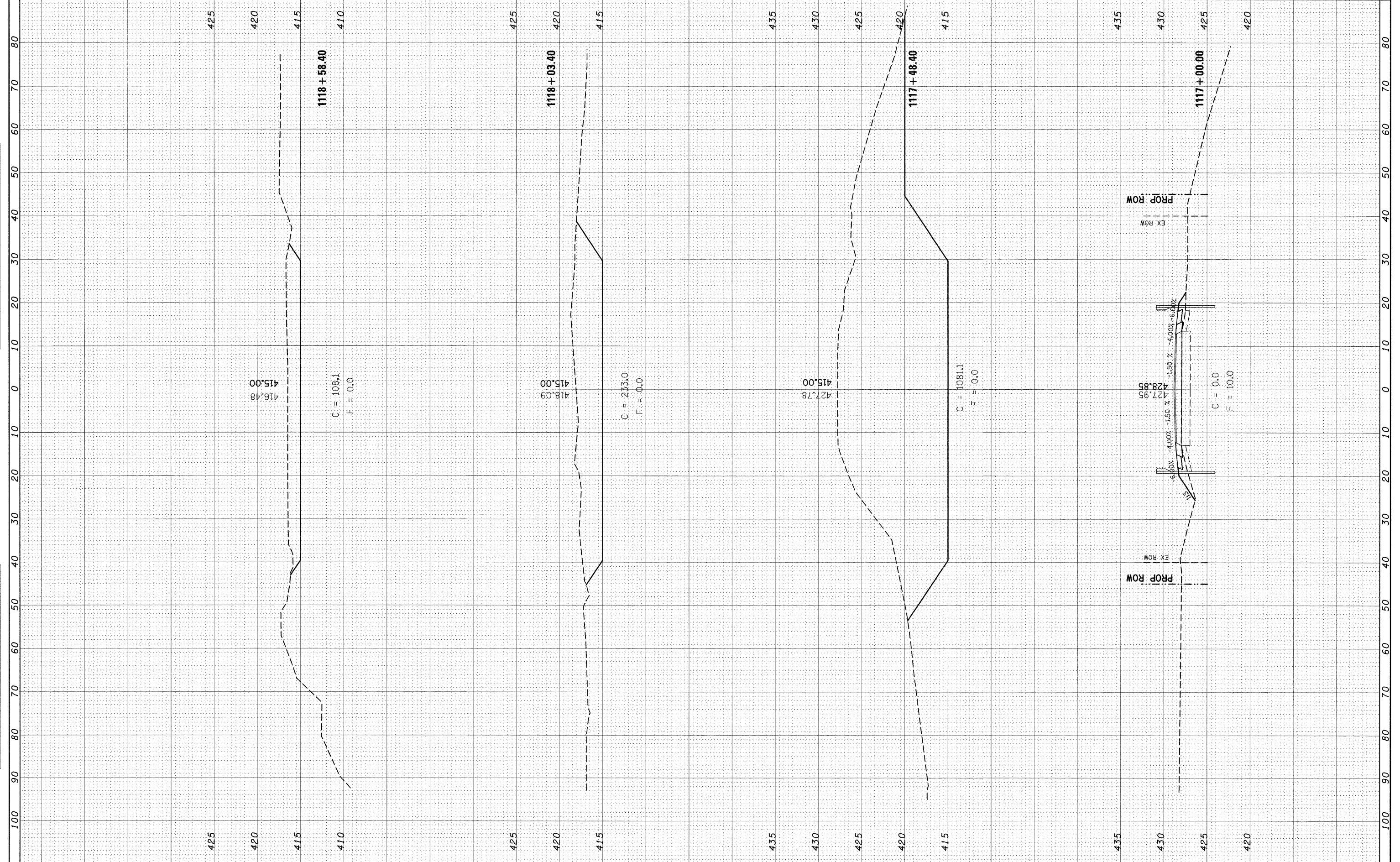
MAINLINE CROSS SECTIONS

SCALE: 1" = 50" SHEET NO. __ OF __ SHEETS STA. 1115+34.75 TO STA. 1116+50.00

F.A.R. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 81
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO. _____
 SURVEYED _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____

ORIGINAL SURVEY NO. _____
 SURVEYED _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____



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 USER NAME = gelinh
 PLOT SCALE = 10.0000 / IN.
 PLOT DATE = 12/9/2008

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

REVISED - ---
 REVISED - ---
 REVISED - ---
 REVISED - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

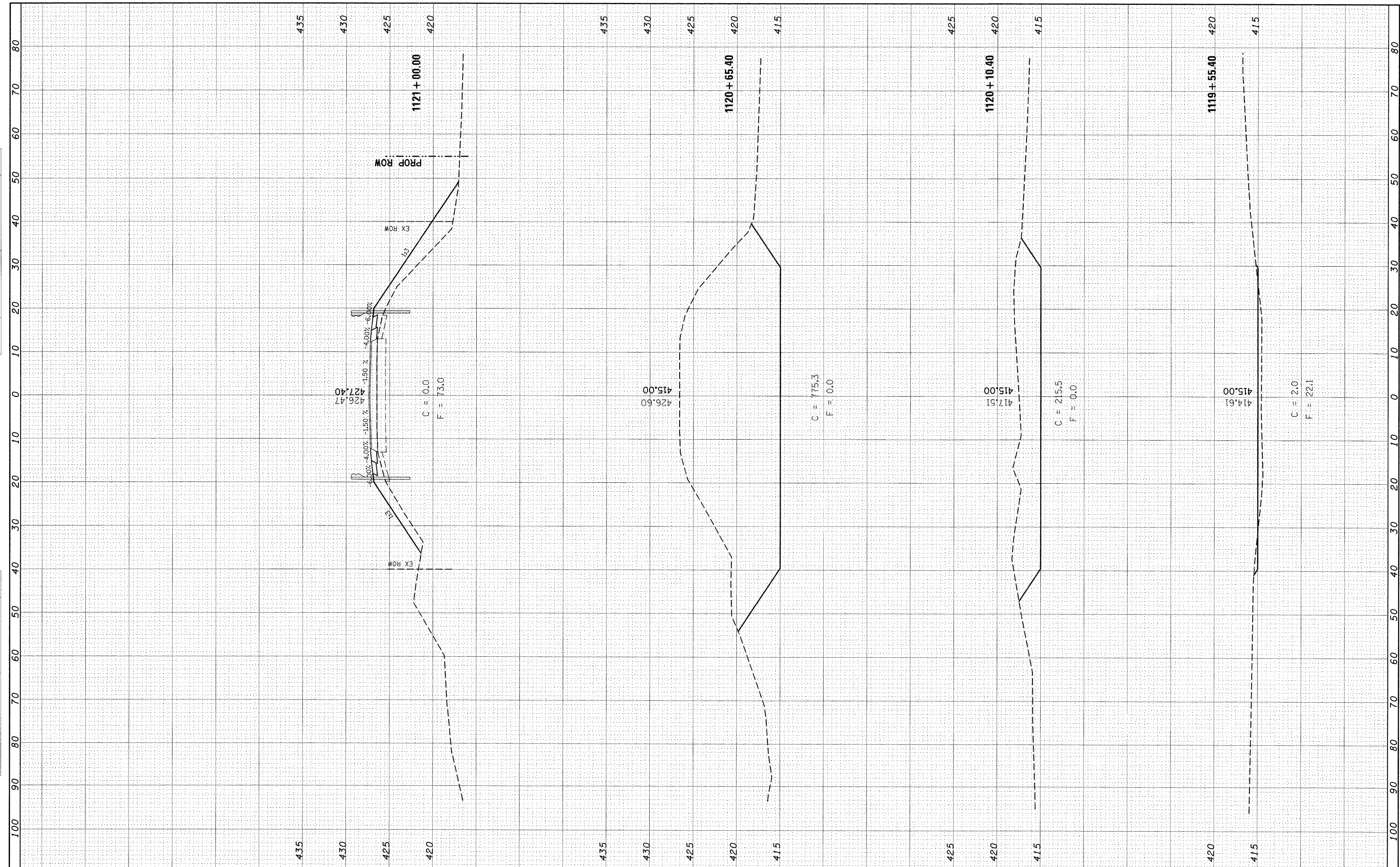
MAINLINE CROSS SECTIONS

SCALE: 1" = 50" SHEET NO. ___ OF ___ SHEETS STA. 1117+00.00 TO STA. 1118+58.40

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	82
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

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

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



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 USER NAME = gelinh

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

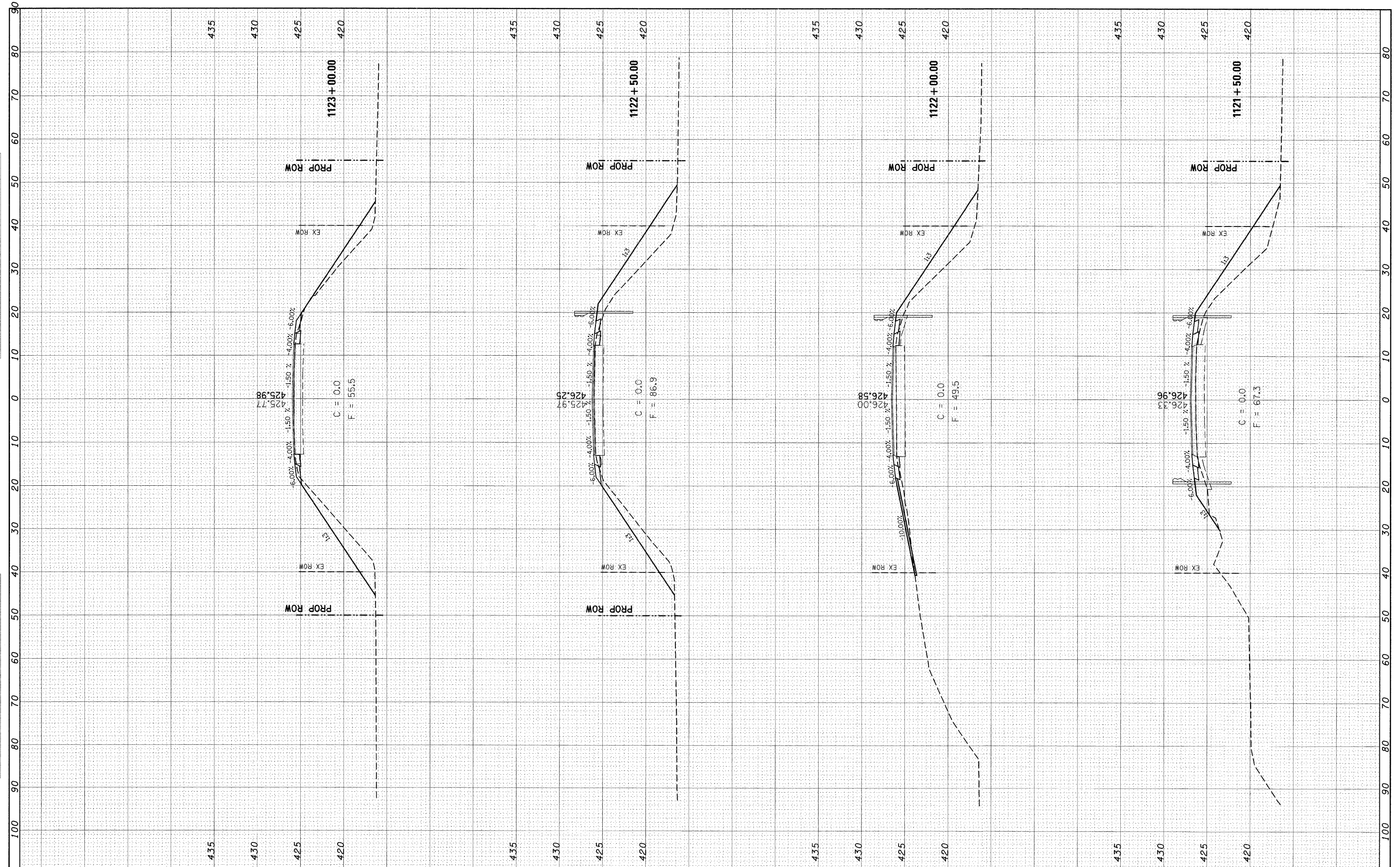
MAINLINE CROSS SECTIONS

SCALE: 1" = 50" SHEET NO. __ OF ___ SHEETS STA. 1119+55.40 TO STA. 1121+00.00

F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 83
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

FINAL SURVEY SURVEYED SURVEYED SURVEYED
 NOTE BOOK NO. _____ DATE _____
 TEMPLATE AREAS CHECKED _____
 AREAS CHECKED _____

ORIGINAL SURVEY SURVEYED SURVEYED SURVEYED
 NOTE BOOK NO. _____ DATE _____
 TEMPLATE AREAS CHECKED _____
 AREAS CHECKED _____



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 DRAWN -
 CHECKED -
 DATE -

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

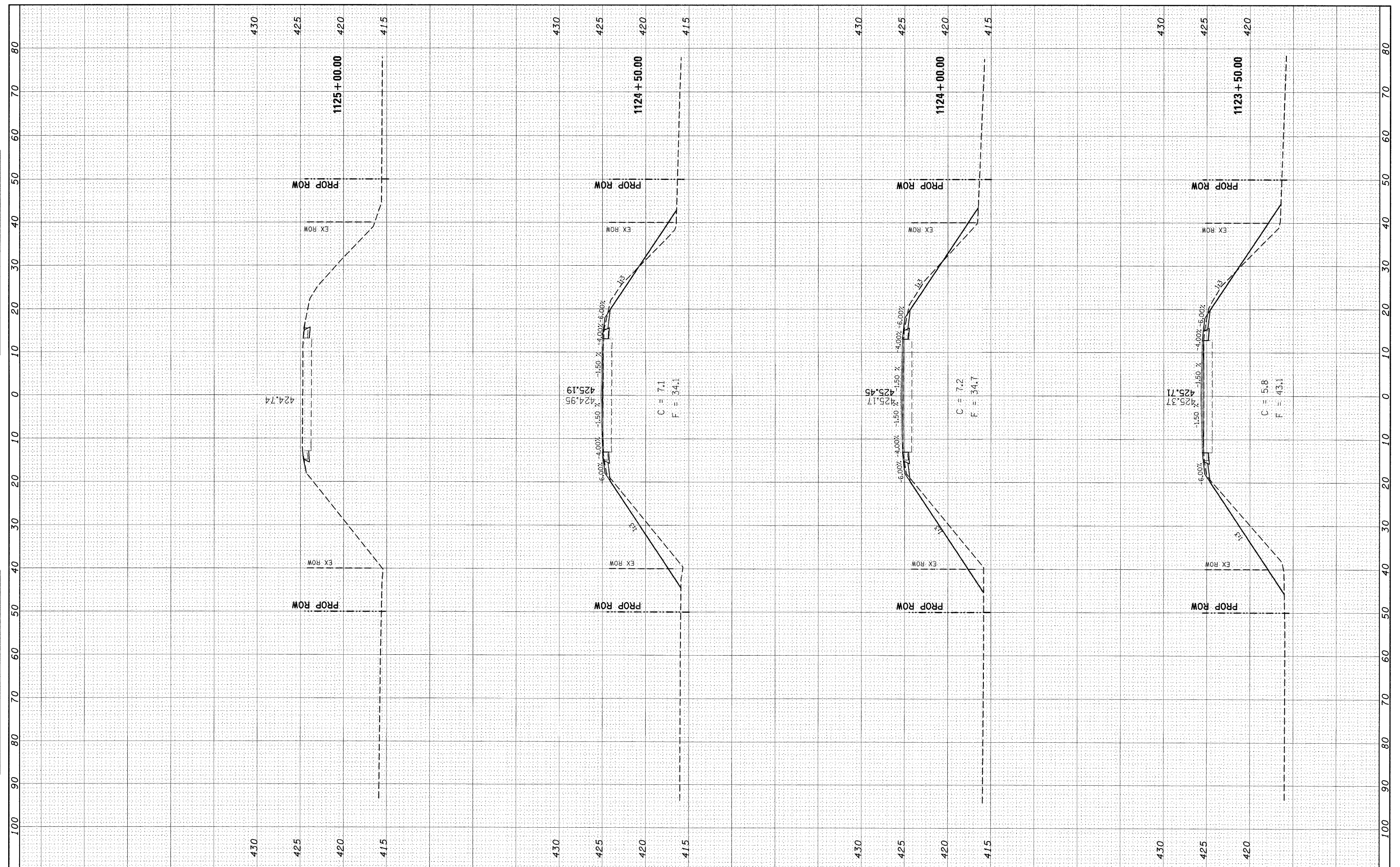
MAINLINE CROSS SECTIONS

SCALE: 1" = 50' SHEET NO. __ OF __ SHEETS STA. 1121+50.00 TO STA. 1123+00.00

F.A.R. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 84
CONTRACT NO. 76976				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

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

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



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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 12/9/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINLINE CROSS SECTIONS

SCALE: 1" = 50' SHEET NO. ___ OF ___ SHEETS STA. 1123+50.00 TO STA. 1125+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	85
CONTRACT NO. 76976				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				