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0 50' 100' SCALE IN FEET - PLAN & PROFILE

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.

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

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

DISTRICT 3 NO.: (815)434-6131
 PROJECT ENGINEER: DAVE BROVIAK
 UNIT CHIEF: MARK JONES
 TOWNSHIP: NETTLE CREEK
 RESIDENT ENGINEER

CONTRACT NO. 66412

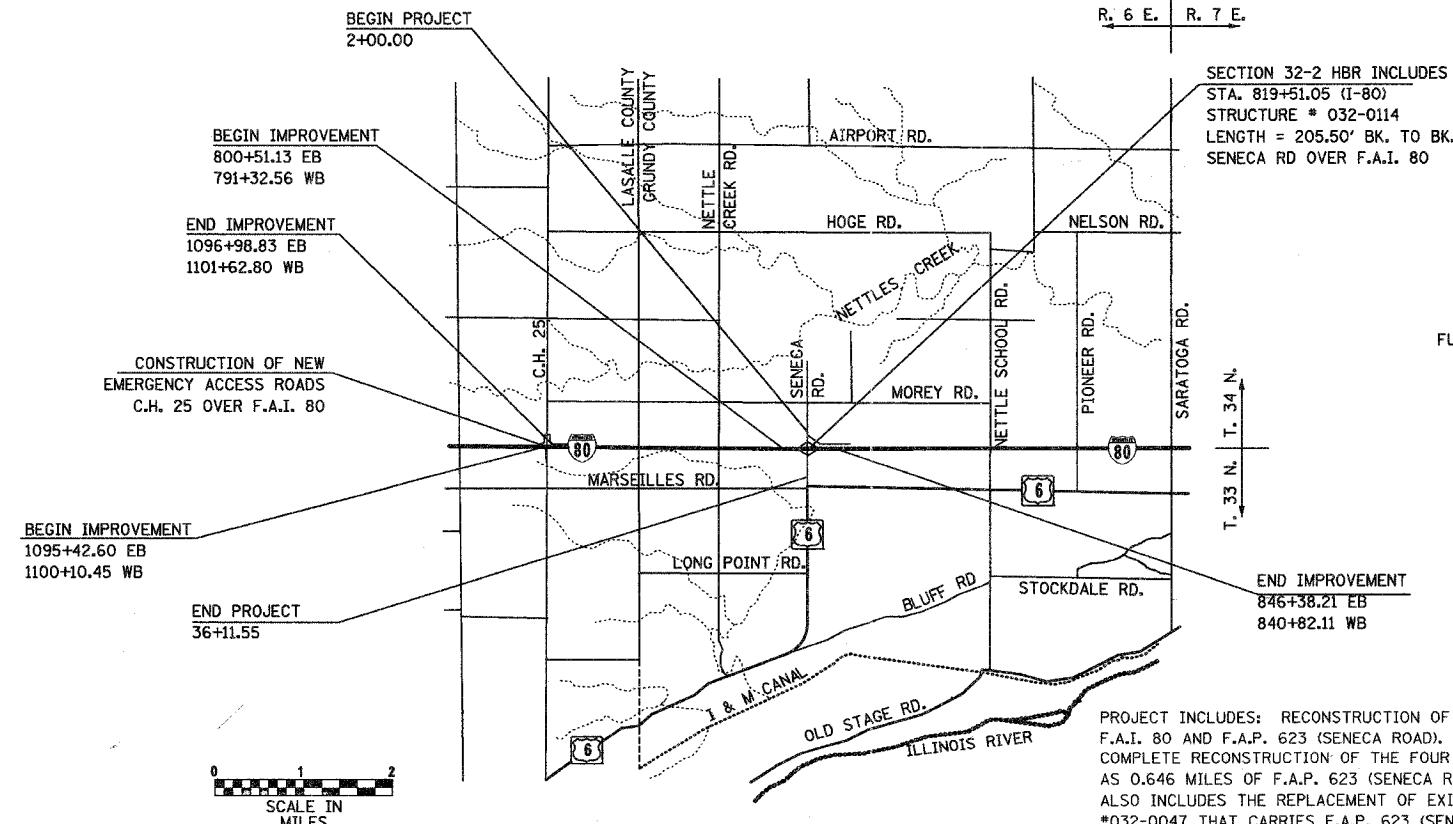
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 80
 SECTION 32-2 HBR & (50-6) AC
 PROJECT IM-BRI-80-3 (121) 104
 GRUNDY & LaSALLE COUNTIES
 C-93-013-04

BRIDGE REPLACEMENT AND RAMP RECONSTRUCTION & EMERGENCY ACCESS ROADS P-93-041-93



GROSS LENGTH (F.A.I. 80) = 5505.65 FT. = 1.043 MI.
 NET LENGTH (F.A.I. 80) = 5505.65 FT. = 1.043 MI.

GROSS LENGTH (SENECA RD.) = 3411.55 FT. = 0.646 MI.
 NET LENGTH (SENECA RD.) = 3411.55 FT. = 0.646 MI.

SECTION 32-2 HBR INCLUDES
 STA. 819+51.05 (I-80)
 STRUCTURE # 032-0114
 LENGTH = 205.50' BK. TO BK. ABUT.
 SENECA RD OVER F.A.I. 80

PROJECT INCLUDES: RECONSTRUCTION OF THE INTERCHANGE OF F.A.I. 80 AND F.A.P. 623 (SENECA ROAD). THIS INCLUDES THE COMPLETE RECONSTRUCTION OF THE FOUR RAMPS AS WELL AS 0.646 MILES OF F.A.P. 623 (SENECA ROAD). THE PROJECT ALSO INCLUDES THE REPLACEMENT OF EXISTING STRUCTURE #032-0047 THAT CARRIES F.A.P. 623 (SENECA ROAD) OVER F.A.I. 80. OTHER WORK INCLUDES THE RELOCATION OF AN EXISTING GRAVEL FRONTAGE ROAD, AND DITCH CLEANING.

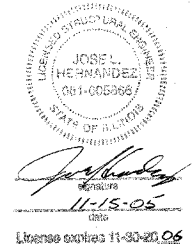
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	1
CONTRACT NO. 66412			172	1
			179	

P-93-041-93
 D93-016-04



HIGHWAY CLASSIFICATIONS

SENECA ROAD - F.A.P. RTE 623	I-80 - F.A.I. RTE. 80
FUNCTIONAL CLASS: MINOR ARTERIAL	FUNCTIONAL CLASS: PRINCIPAL ARTERIAL
ADT: 3,100 (2005);	ADT: 31,400 (2005)
DESIGN SPEED: 60 MPH	DESIGN SPEED: 70 MPH
POSTED SPEED: 45 MPH	POSTED SPEED: 65 MPH



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Nov. 16 20 05

Manuel P. Munoz
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 9, 20 05
Mike Hines
 ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 20 05
Eric Harn
 DEPUTY DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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 (603) 644-5200

11/14/2005 11:30 AM C:\CHICAGO\DOT\1836\CAD\rdwy\div\1836_COVER_SHT.dgn

STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420201-04	TYPICAL ENTRANCE RAMP TERM-JOINTED PCC RAMP AND MAINLINE PAVEMENT
420301-03	TYPICAL EXIT RAMP TERM-JOINTED PCC RAMP AND MAINLINE PAVEMENT
420401-05	BRIDGE APPROACH PAVEMENT
483001-02	PCC SHOULDER
515001-02	NAME PLATE FOR BRIDGES
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1350 mm (54") PIPE)
542401	METAL END SECTION FOR PIPE CULVERT
601001	SUB-SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAINS
606001-02	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
606301-02	PC CONCRETE ISLANDS AND MEDIANS
606306-01	CORRUGATED PC CONCRETE MEDIANS
609006-02	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-05	STEEL PLATE BEAM GUARDRAIL
630201-03	PCC/BIT STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631026-02	TRAFFIC BARRIERS TERMINAL TYPE 5 & 5A
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635001	DELINEATORS
6420001	SHOULDER RUMBLE STRIPS
665001-01	WOVEN WIRE FENCE
666001	RIGHT-OF-WAY MARKERS
667001	PERMENANT SURVEY MARKERS
701001-01	OFF-ROAD OPERATIONS, 2L, LW, 4.5 M (15') MIN. AWAY, FOR SPEEDS > 45 MPH
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO PAVEMENT EDGE FOR SPEEDS > 45 MPH
701101-01	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 4.5 M (15') MIN. AWAY, FOR SPEEDS > 45 MPH
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 M (15') MIN. AWAY, FOR SPEEDS > 45 MPH
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY ON-RD TO 600 mm (24") OFF-RD FOR SPEEDS > 45 MPH
701301-02	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701306-01	LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS-DAY ONLY FOR SPEEDS > 45 MPH
701311-02	LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY
701326-02	LANE CLOSURE 2L, 2W PAVEMENT WIDENING FOR SPEEDS > 45 MPH
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-05	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-03	LANE CLOSURE MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45 MPH
701426-02	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPER. FOR SPEEDS > 45 MPH
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS

COMMITMENTS

1. THE INFORMATION SHOWN IN THESE PLANS RELATED TO COMMONWEALTH EDISON FACILITIES IS TO BE CONSIDERED CONFIDENTIAL TO THIS PROJECT.
2. THE WORK SHOWN IN THESE PLANS TO COMPLETE THE LOCKED GATE ACCESS TO I-80 FROM CH25 FOR THE SENECA EMERGENCY SERVICES SHALL BE COMPLETED TO A POINT WHICH WILL ALLOW ALL WEATHER ACCESS THROUGH A LOCKED GATE TO BOTH DIRECTIONS OF THE INTERSTATE PRIOR TO CLOSING ANY RSMF TRAFFIC AT THE SENECA ROAD INTERCHANGE (MP 105)
3. THE EASTBOUND ENTRANCE RAMP, RAMP B, INCLUDING ACCESS TO RAMP B FROM IL 6, SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.
4. ACCESS TO THE COMMERCIAL ENTRANCE AT STA. 32+43.53 RT SHALL REMAIN OPEN AT ALL TIMES.
5. THE RESIDENT ENGINEER SHALL CONTACT JAMES REARDON AND ALVIN HELLAND PRIOR TO CONSTRUCTION TO DISCUSS FIELD TILE ISSUES.
6. ALL FIELD TILE WITHIN THE RIGHT OF WAY SHALL BE REPLACED EXCEPT UNDER I-80. TILE PASSING UNDER I-80 WILL BE REPLACED IN A FUTURE CONTRACT. TILE FLOW SHALL BE MAINTAINED BY CONNECTING EXISTING TILES (TO REMAIN) TO PROPOSED TILE AT FIELD TILE JUNCTION VAULTS NEAR THE MAINLINE BACKSLOPES.

GENERAL NOTES

1. SEEDING SHALL BE PLACED ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS. THE SEEDING SHALL BE DONE ACCORDING TO ARTICLE 250 AND 251 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
2. EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
3. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
4. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
5. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
6. PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACES OF NEW CONCRETE ACCORDING TO ARTICLE 420.21 AND/OR 503.19 OF THE STANDARD SPECIFICATIONS.
7. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
8. DO NOT INCLUDE MULCH IN EXCELSIOR BLANKET AREAS.
9. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
10. NO REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
11. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS/CU.YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
MULCH METHOD 2	2 TONS/ACRE
BITUMINOUS PRIME COAT	0.08 - 0.375 GAL/SYD
BITUMINOUS RESURFACING	112 LBS/SYD/IN
SHORT TERM PAVEMENT MARKING	10 FT/100FT OF APPLICATION

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
13. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS THE IMPROVEMENT ARE:

COMMONWEALTH EDISON
SBC
NICOR GAS

14. EROSION CONTROL SHALL BE PLACED AROUND CULVERT END SECTIONS IN ACCORDANCE WITH THE DETAILS IN THE PLANS.
15. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
16. ANY EXISTING ROAD SIGNS THAT ARE NOT SHOWN TO BE REMOVED OR RELOCATED IN THE PLANS BUT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
17. ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM CUT DEPTH IN THE PAVEMENT SHALL BE 1.5 INCHES UNLESS OTHERWISE SPECIFIED IN A DETAIL IN THE PLANS.
18. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RIGHT OF WAY MARKERS SHALL BE INSTALLED AS A FIRST ITEM OF CONSTRUCTION ON THIS CONTRACT.
19. APPROACH CHANNELIZATION CALCULATIONS AND QUANTITIES ARE USED ACCORDING TO THE JANUARY, 1962 EDITION OF "TRANSITIONAL APPROACHES TO CHANNELIZED INTERSECTIONS".
20. FOR ALL TEMPORARY PAVEMENT MARKINGS ON FINAL SURFACES (I.E. MAINLINE PAVEMENT), ONLY TEMPORARY PAVEMENT MARKING TAPE SHALL BE USED.
21. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OF BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
22. AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.
23. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATIONS (J.U.L.I.E.) SYSTEM.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Steve B. Andrews
ACTING DISTRICT STUDIES & PLANS ENGINEER

DATE: NOVEMBER 16, 2005

EXAMINED BY: Herbert K. Jung
DISTRICT CONSTRUCTION ENGINEER

Kenneth C. Long
DISTRICT MATERIALS ENGINEER

James A. Huson
DISTRICT OPERATIONS ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY

GENERAL NOTES

SCALE: N.T.S.
DATE 10/14/05

DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		

NO.	PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	IM	IM	BRI	IM	
					90% FED 10% STATE GRUNDY CO.	90% FED 10% STATE	80% FED 20% STATE GRUNDY CO.	90% FED 10% STATE GRUNDY CO.	10% STATE
					ROADWAY J000-2A	LASALLE 1000	SN 032-0114 BRIDGE X771-2A	LIGHTING Y030-IE	SAFETY SFTY-3N
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	542	542				
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	78	78				
3	20200100	EARTH EXCAVATION	CU YD	78015	76435	1580			
4	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	890	890				
5	20400800	FURNISHED EXCAVATION	CU YD	79539	78054	1485			
6	20700400	POROUS GRANULAR EMBANKMENT SPECIAL	CU YD	267			267		
7	20800150	TRENCH BACKFILL	CU YD	774	649	125			
8	21001000	GEOTECHNICAL FABRIC FOR GROUND STABLIZATION	SQ YD	58325	58325				
9	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	14227	13447	780			
10	25000210	SEEDING, CLASS 2A	ACRE	21.7	21.5	0.2			
11	25000312	SEEDING, CLASS 4A	ACRE	11.1	10.9	0.2			
12	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1953	1935	18			
13	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1953	1935	18			
14	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1953	1935	18			
15	25100120	MULCH, METHOD 2	TON	68	66	2			
16	25100630	EROSION CONTROL BLANKET	SQ YD	12740	11370	1370			
17	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	6480	6400	80			
18	28000300	TEMPORARY DITCH CHECKS	EACH	60	50	10			
19	28000400	PERIMETER EROSION BARRIER	FOOT	6255	5045	1210			
20	28000500	INLET AND PIPE PROTECTION	EACH	36	29	7			
21	28100105	STONE RIPRAP CLASS A3	SQ YD	284	284				
22	28100107	STONE RIPRAP CLASS A4	SQ YD	269	269				
23	28200200	FILTER FABRIC	SQ YD	269	269				
24	31200100	STABILIZED SUB-BASE 4"	SQ YD	36254	36254				
25	35100700	AGGREGATE BASE COURSE TYPE A - 8"	SQ YD	5053	987	4066			
26	35101800	AGGREGATE BASE COURSE TYPE B - 6"	SQ YD	2431	2431				
27	40200710	AGGREGATE SURFACE COURSE, TYPE A - 10"	SQ YD	6855	6855				
28	40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	128	128				
29	40600100	BITUMINOUS MATERIAL (PRIME COAT)	GAL	275	275				
30	40600895	CONSTRUCTION TEST STRIP	EACH	1	1				
31	40600980	BITUMINOUS SURFACE REMOVAL BUTT JOINT	SQ YD	650	650				
32	40600990	TEMPORARY RAMPS	SQ YD	69	69				
33	40800040	INCIDENTAL BITUMINOUS SURFACING	TON	90	90				
34	42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	30,771	30,771				
35	42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	425	425				
36	44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SQ YD	29023	29023				
37	44000100	PAVEMENT REMOVAL	SQ YD	15891	15891				
38	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	595	595				
39	44002805	ISLAND REMOVAL	SQ FT	1089	1089				
40	44004250	PAVED SHOULDER REMOVAL	SQ YD	17,321	17,321				
41	48101200	AGGREGATE SHOULDERS, TYPE B	TON	3307	3002	305			
42	48200800	BITUMINOUS SHOULDERS 10"	SQ YD	1692	1692				
43	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1		
44	50104400	CONCRETE HEADWALL REMOVAL	EACH	14	14				
45	50105220	PIPE CULVERT REMOVAL	FOOT	1044	1044				
46	50200100	STRUCTURE EXCAVATION	CU YD	271			271		

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100 Elm Street, Suite 300
Manchester, NH 03101
(603) 644-5200

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**
SUMMARY OF QUANTITIES
SCALE: VERT.
HORIZ.
DATE 10/14/05
DRAWN BY NMR/TCH
CHECKED BY DJL/CML

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				

NO.	PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	IM	IM	BRI	IM	LIGHTING	SAFETY
					90% FED 10% STATE GRUNDY CO.	90% FED 10% STATE	80% FED 20% STATE GRUNDY CO.	90% FED 10% STATE GRUNDY CO.		
					ROADWAY	LASALLE	SN 032-0114 BRIDGE X771-2A			
47	50300100	FLOOR DRAINS	EACH	12			12			
48	50300225	CONCRETE STRUCTURES	CU YD	205			205			
49	50300255	CONCRETE SUPERSTRUCTURE	CU YD	454			454			
50	50300260	BRIDGE DECK GROOVING	SQ YD	1178			1178			
51	50300300	PROTECTIVE COAT	SQ YD	1598			1598			
52	50300310	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	18			18			
53	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			1			
54	50500505	STUD SHEAR CONNECTORS	EACH	4212			4212			
55	50800105	REINFORCEMENT BARS	POUND	22120			22120			
56	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	133750			133750			
57	51100100	SLOPE WALL 4 INCH	SQ YD	681			681			
58	51201100	FURNISHING METAL PIPE SHELLS 14"	FOOT	1674			1674			
59	51202600	DRILLING AND FILLING SHELLS	FOOT	1674			1674			
60	51203200	TEST PILE METAL SHELLS	EACH	1			1			
61	51500100	NAME PLATES	EACH	1			1			
62	54200430	PIPE CULVERTS, TYPE 1 RCCP 15"	FOOT	142	102	40				
63	54200435	PIPE CULVERTS, TYPE 1 RCCP 18"	FOOT	20	0	20				
64	54200436	PIPE CULVERTS, TYPE 1 RCCP 21"	FOOT	102	102					
65	54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	73	0	73				
66	54200451	PIPE CULVERTS, TYPE 1 RCCP 36"	FOOT	142	16	126				
67	54201279	PIPE CULVERTS, TYPE 2 RCCP 24"	FOOT	190	190					
68	54201291	PIPE CULVERTS, TYPE 2 RCCP 36"	FOOT	65	65					
69	54201297	PIPE CULVERTS, TYPE 2 RCCP 42"	FOOT	158	158					
70	54201501	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 36"	FOOT	142	142					
71	54202119	PIPE CULVERTS, TYPE 3 RCCP 24"	FOOT	114	114					
72	54207153	PIPE CULVERTS, TYPE 1 REIN. CONCRETE - ELLIPTICAL EQUIVALENT ROUND-SIZE 18"	FOOT	53	53					
73	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	6	4	2				
74	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	0	2				
75	54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	4	4					
76	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	9	6	3				
77	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2					
78	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	3	3					
79	54213891	STEEL END SECTIONS 36"	EACH	2	2					
80	54214713	PRECAST REIN. CONC.FLARED END SECTIONS - ELLIPTICAL EQUIVALENT ROUND-SIZE 18"	EACH	2	2					
81	54215442	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 42"	EACH	1	1					
82	54244700	FLUSH INLET BOX, SPECIAL	EACH	2	2					
83	54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	3	3					
84	54248510	CONCRETE COLLAR	CU YD	1	1					
85	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	39	39					
86	60100070	SHOULDER REMOVAL AND REPLACEMENT	FOOT	236	236					
87	60100935	PIPE DRAINS 10"	FOOT	40	40					
88	60100945	PIPE DRAINS 12"	FOOT	40	40					
89	60100955	PIPE DRAINS 15"	FOOT	40	40					
90	60100965	PIPE DRAINS 18"	FOOT	40	40					
91	60108100	PIPE UNDERDRAIN 4" (SPECIAL)	FOOT	1074	1074					
92	60221100	MANHOLE TYPE A, 5' DIA. TYPE 1 & CLOSED LID	EACH	1	0	1				

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Louis Berger & Associates, Inc.
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Manchester, NH 03104
(603) 644-5200

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**
SUMMARY OF QUANTITIES
SCALE: VERT. DATE 10/14/05
DRAWN BY NMR/TCH
CHECKED BY DJL/CML

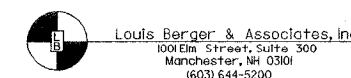
SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-ZHER	GRUNDY	171	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		

NO.	PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	IM	IM	BRI	IM	
					90% FED 10% STATE GRUNDY CO.	90% FED 10% STATE	80% FED 20% STATE GRUNDY CO.	90% FED 10% STATE GRUNDY CO.	
					ROADWAY J000-2A	LASALLE 1000	SN 032-0114 BRIDGE X771-2A	LIGHTING Y030-IE	SAFETY SFTY-3N
139	70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1				
140	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL OR	60	60				
141	70300100	SHORT TERM PAVEMENT MARKINGS	FOOT	2,665	2,665				
142	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	50	50				
143	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62,490	62,490				
144	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3575	3575				
145	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	6630	6630				
146	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1110	1110				
147	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	100	100				
148	70400100	TEMPORARY CONCRETE BARRIER	FOOT	9860	9860				
149	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1870	1870				
* 150	72000100	SIGN PANEL - TYPE 1	SQ FT	106	106				
151									
152									
* 153	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2				
* 154	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	19	19				
* 155	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	13	13				
* 156	72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	825	825				
* 157	73000100	WOOD SIGN SUPPORT	FOOT	910	838				
158	73400100	CONCRETE FOUNDATIONS	CU YD	18	18				
159	73502000	RELOCATE GROUND-MOUNTED SIGN SUPPORT	EACH	16	16				
160	73700100	REMOVE GROUND - MOUNTED SIGN SUPPORT	EACH	16	16				
161	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	16	16				
* 162	78008300	POLYUREA PAVEMENT MARKING TYPE 2 - LETTERS & SYMBOLS	SQ FT	50	50				
* 163	78008310	POLYUREA PAVEMENT MARKING TYPE 2 - LINE 4"	FOOT	45150	45150				
* 164	78008330	POLYUREA PAVEMENT MARKING TYPE 2 - LINE 6"	FOOT	3575	3575				
* 165	78008340	POLYUREA PAVEMENT MARKING TYPE 2 - LINE 8"	FOOT	6630	6630				
* 166	78008350	POLYUREA PAVEMENT MARKING TYPE 2 - LINE 12"	FOOT	1110	1110				
* 167	78008370	POLYUREA PAVEMENT MARKING TYPE 2 - LINE 24"	FOOT	100	100				
* 168	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	534	534				
* 169	78200300	PRISMATIC CURB REFLECTOR	EACH	158	158				
* 170	78200455	BIDIRECTIONAL GUARD RAIL REFLECTORS	EACH	96	96				
* 171	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	18	16	2			
172	78300100	PAVEMENT MARKING REMOVAL	SQ FT	22,616	22,616				
* 173	80300100	LOCATING UNDERGROUND CABLE	FOOT	150				150	
* 174	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1	
* 175	80600200	GROUNDING ELECTRODE BELOW GRADE	EACH	1				1	
* 176	81020700	CONDUIT PUSHED, 3" DIA., INTERMEDIATE METAL	FOOT	195				195	
* 177	81025300	CONDUIT ENCASED, REINFORCED CONCRETE 2" DIA., PVC 2 x 1	FOOT	36				36	
* 178	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3870				3870	
* 179	81600515	UNIT DUCT, 2 #2 XLP, 1 #2 XLP GROUND 1 1/4" POLYETHYLENE	FOOT	4270				4270	
* 180	82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	8				8	
* 181	82105700	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 750 WATT	EACH	10				10	
* 182	82500525	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 480 VOLT (DUAL)	EACH	1				1	
* 183	83502300	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 4	EACH	2				2	
* 184	83507800	LIGHT TOWER, 150 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 6	EACH	2				2	

* SPECIALTY ITEMS

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 SUMMARY OF QUANTITIES

SCALE: VERT.
 HORIZ.
 DATE 10/14/05

DRAWN BY NMR/TCH
 CHECKED BY DJL/CML

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 66412				

NO.	PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	IM	IM	BRI	IM	
					90% FED 10% STATE GRUNDY CO.	90% FED 10% STATE LASALLE 1000	80% FED 20% STATE GRUNDY CO. SN 032-0114 BRIDGE X771-2A	90% FED 10% STATE GRUNDY CO.	10% STATE SFTY-3N
* 185	83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	30					30
* 186	83700350	LIGHT TOWER FOUNDATION, 54" DIAMETER	FOOT	36					36
* 187	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	16					16
* 188	84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	4					4
* 189	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1					1
* 190	84500120	REMOVAL OF ELECTRIC INSTALLATION SERVICE	EACH	1					1
* 191	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1					1
	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	4	4				
	X3550300	BITUMINOUS BASE COURSE, SUPERPAVE 6"	TON	850	850				
	X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C" N50	TON	415	19	396			
	X4066538	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "E" N90	TON	2429	2429				
	X4066765	LEVELING BINDER (MACHINE METHOD) SUPERPAVE N50	TON	707	707				
	X4066770	LEVELING BINDER (MACHINE METHOD) SUPERPAVE N70	TON	497	497				
	X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	19542	19542				
	X6013820	PIPE UNDERDRAIN OUTLET EXTENSION SPECIAL	EACH	9	9				
	X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	39	39				
	X6064201	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	2479	2479				
	X6065701	CONCRETE MEDIAN, TYPE SM-4.06	SQ FT	2443	2443				
	X8420220	REMOVE EXISTING HIGH MAST LIGHT TOWER	EACH	4					4
	XX005347	BITUMINOUS CONCRETE BINDER COURSE, IL 19.0 N50	TON	6,659	6,214	445			
	XX005430	MAINTENANCE OF EXISTING HIGHWAY LIGHTING	L SUM	1					1
* 206	XX005466	FURNISHING AND INSTALLING GUARDRAIL END SHOES	EACH	1	0	1			
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	48058	48058				
	Z0002600	BAR SPLICERS	EACH	124			124		
* 209	Z0008230	DRILLED SHAFT IN SOIL 30"	FOOT	600			600		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
	Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	2					2
	Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2					2
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	9					9
	Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), NARROW, TEST LEVEL 3	EACH	3					3
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1					1
	Z0047300	PROTECTIVE SHIELD	SQ YD	420			420		
⊙ 217	Z0076600	TRAINEES	HOUR	2,000	2,000				
	Z0001058	AGGREGATE SUBGRADE 18"	SQ YD	1528	1528				
	Z8500100	FABRIC FORMED CONCRETE REVETMENT MATS	SQ YD	300	300				
	48300410	PCC SHOULDERS 9 1/2"	SQ YD	16,285	16,285				
	50104650	SLOPE WALL REMOVAL	SQ YD	300	300				
	63500120	DELINEATOR REMOVAL	EACH	154	154				
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	500	500				
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	348	348				

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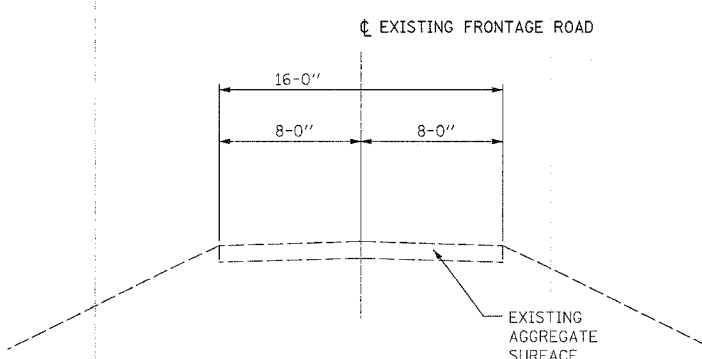
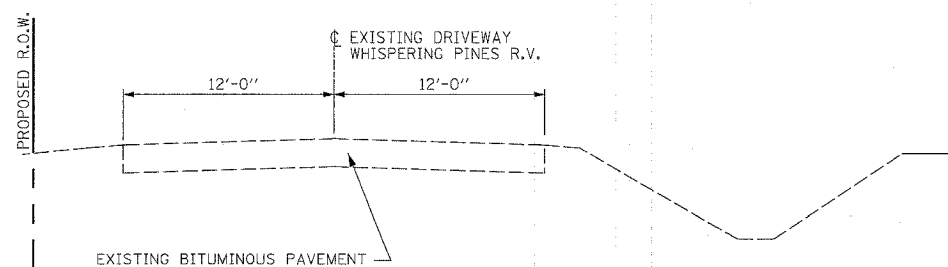
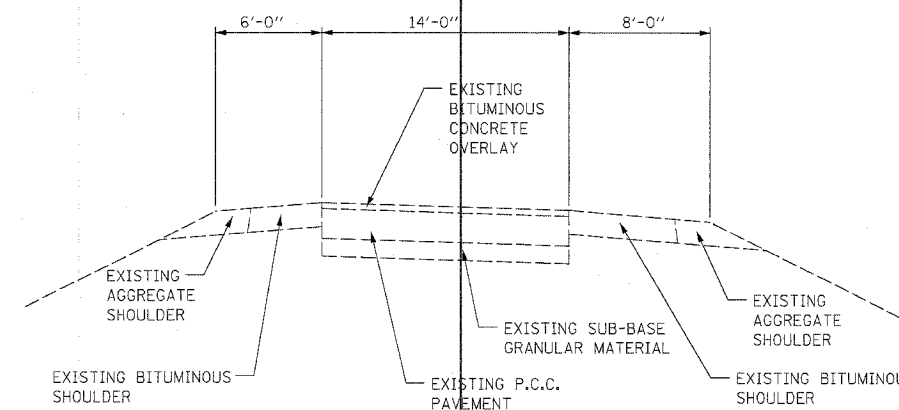
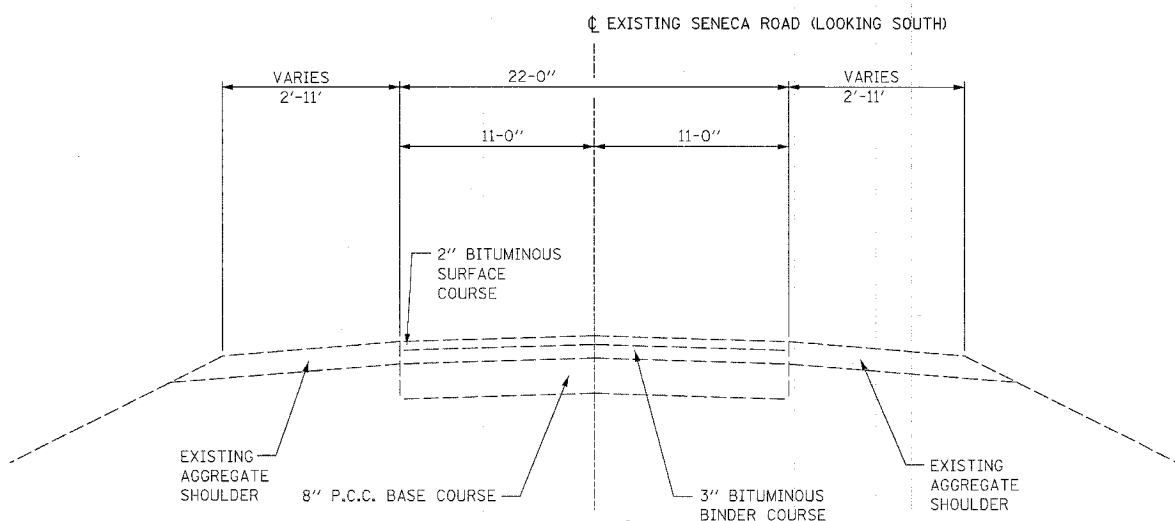
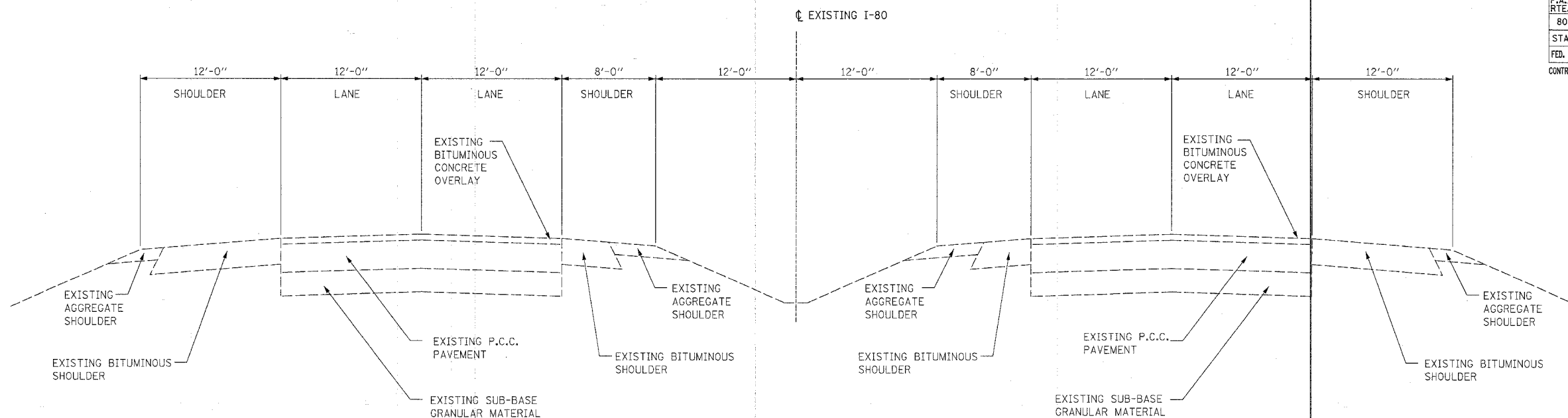
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**
SUMMARY OF QUANTITIES
SCALE: VERT.
HORIZ.
DATE 10/14/05
DRAWN BY NMR/TCH
CHECKED BY DJL/CML

11/15/2005 V:\CHICAGO\DOT\1836\CAD\dwg\1836_SUM_QNTY_05.dwg

* SPECIALTY ITEMS 0 Y080

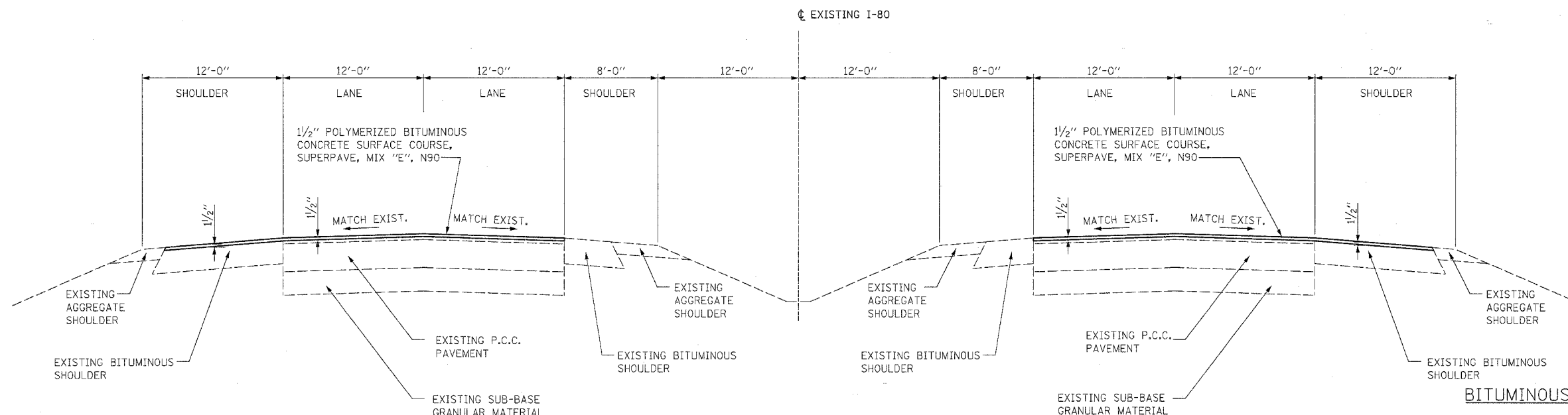
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EXISTING TYPICAL SECTIONS
 SCALE: N.T.S. DRAWN BY NMR/BJG
 DATE 10/14/05 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



TYPICAL SECTION (MAINLINE & SHOULDER INLAY)

F.A.I. 80

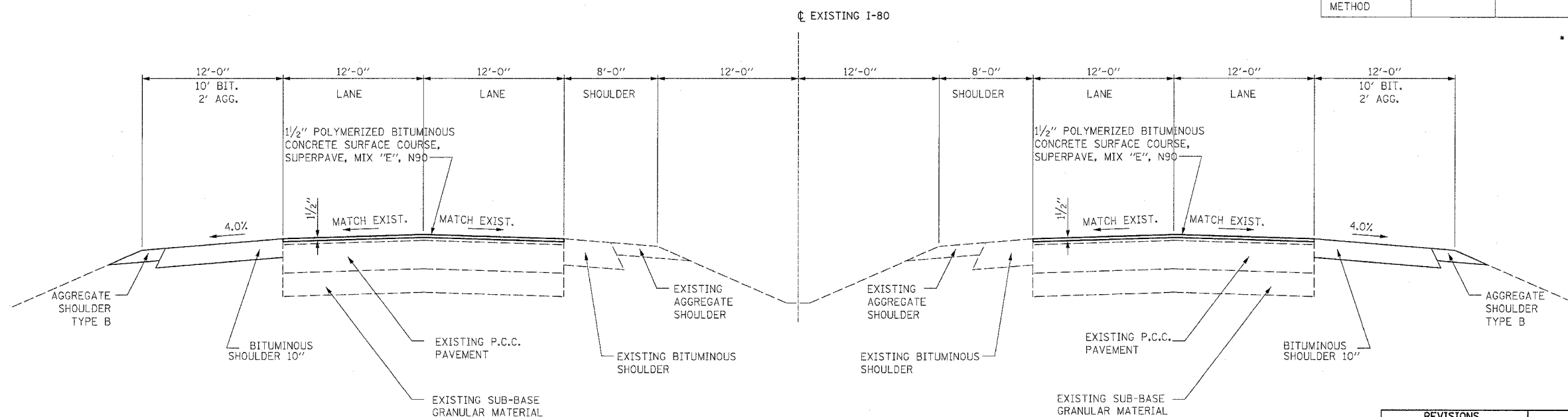
STA. 811+60.00 LT TO STA. 828+00.00 LT STA. 811+10.00 RT TO STA. 827+80.00 RT

BITUMINOUS MIXTURES TABLE

	SUPERPAVE BINDER FOR SHOULDERS BOTTOM LIFT (S)	SUPERPAVE SURFACE FOR TOP LIFT OF SHOULDERS	SUPERPAVE STABILIZED SUB-BASE	F.A.I. 80 1/2" INLAY	SENECA RD. 1/2" INLAY
PG GRADE	PG58-22	PG58-22	PG58-22	PG70-22	PG64-22
MAX. % RAP ALLOWABLE**	25%	15%	40%	0%	15%
DESIGN AIR VOIDS	3.0% _{N50}	3.0% _{N50}	2.0% _{N50}	4.0% _{N90}	4.0% _{N50}
MIXTURE COMPOSITION	IL 19.0	IL 12.5 OR IL 9.5	BAM	IL 12.5 OR IL 9.5	IL 12.5 OR IL 9.5
FRICTION AGGREGATE		MIXTURE C		MIXTURE E	MIXTURE C
PLANT CONTROL LIMITS	CLASS 1	CLASS 1	NON-CLASS 1	CLASS 1	CLASS 1
DENSITY TEST METHOD	*	*	90% MIN.	CORES	NUCLEAR/CORES

* MATERIAL SHALL BE COMPACTED TO 93-97 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT THE BOTTOM LIFT SHALL BE COMPACTED TO A MINIMUM OF 91.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.

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



TYPICAL SECTION (MAINLINE INLAY & SHOULDER RECONSTRUCTION)

F.A.I. 80

STA. 807+23.71 LT TO STA. 811+60.00 LT STA. 808+15.65 RT TO STA. 811+10.00 RT
 STA. 828+00.00 LT TO STA. 833+17.57 LT STA. 827+80.00 RT TO STA. 830+52.32 RT

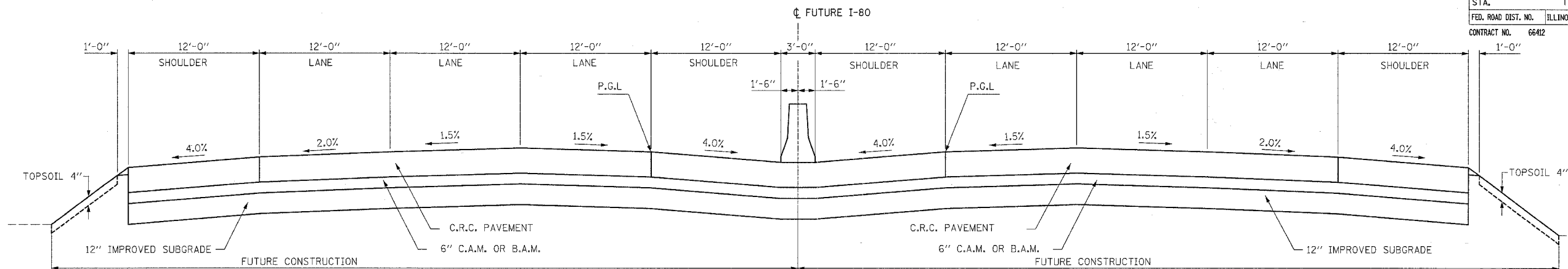
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TYPICAL SECTIONS
 F.A.I. 80

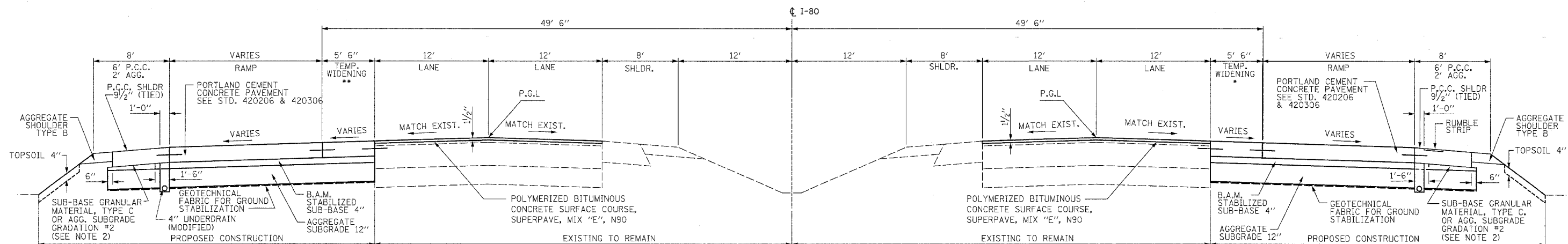
SCALE: N.T.S.
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 66412				



TYPICAL SECTION FUTURE I-80 6 LANE SECTION



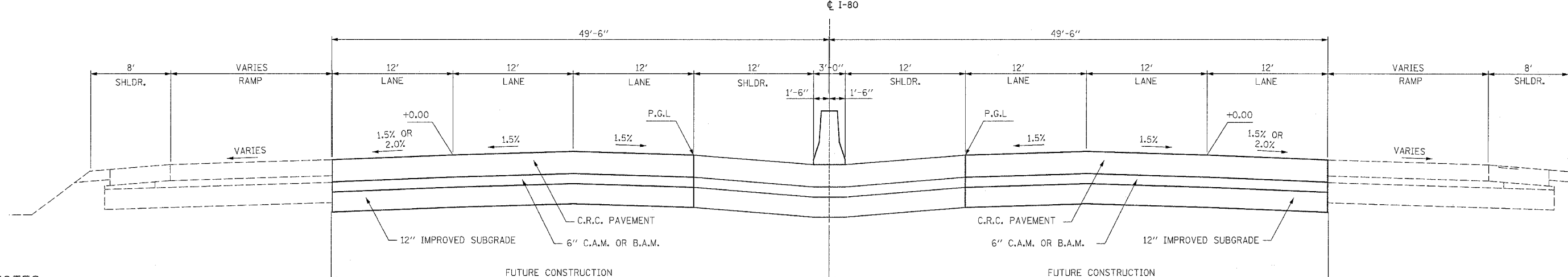
TYPICAL SECTION EXISTING I-80 SECTION WITH PROPOSED RAMPS (SEE NOTE 1)

** STA. 802+61.92 LT TO STA. 807+23.71 LT
 STA. 833+17.57 LT TO STA. 836+77.59 LT

STA. 791+36.73 LT TO STA. 807+23.71 LT
 STA. 833+17.57 LT TO STA. 840+44.02 LT

STA. 800+52.68 RT TO STA. 808+15.65 RT
 STA. 830+52.32 RT TO STA. 846+34.05 RT

* STA. 804+55.62 RT TO STA. 808+15.65 RT
 STA. 830+52.32 RT TO STA. 837+83.83 RT



TYPICAL SECTION FUTURE I-80 6 LANE SECTION (FUTURE CONSTRUCTION IN THE VICINITY OF THE RAMPS)

STA. 791+36.73 LT TO STA. 807+23.71 LT
 STA. 833+17.57 LT TO STA. 840+44.02 LT

STA. 800+52.68 RT TO STA. 808+15.65 RT
 STA. 830+52.32 RT TO STA. 846+34.05 RT

NOTES:

1. THE ENTRANCE AND EXIT TERMINALS ARE DESIGNED TO APPLICABLE IDOT STANDARDS BASED ON THE FUTURE 6 LANE I-80 SECTION. TEMPORARY WIDENING SHALL BE USED BETWEEN THE CURRENT EDGE OF PAVEMENT (I-80) AND THE FUTURE EDGE OF PAVEMENT (I-80).
 2. THIS MATERIAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR AGGREGATE SUBGRADE 12".
- FUTURE = PLANNED WORK NOT INCLUDED IN THIS CONTRACT
 PROPOSED = WORK INCLUDED IN THIS CONTRACT

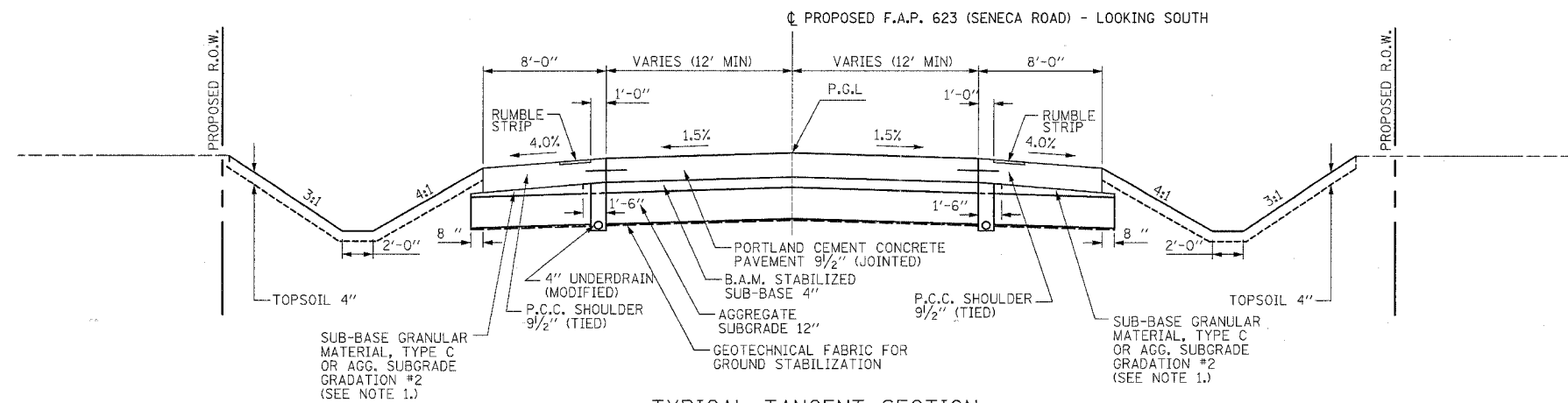
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TYPICAL SECTIONS
 F.A.I. 80

SCALE: N.T.S.
 DATE 10/14/05

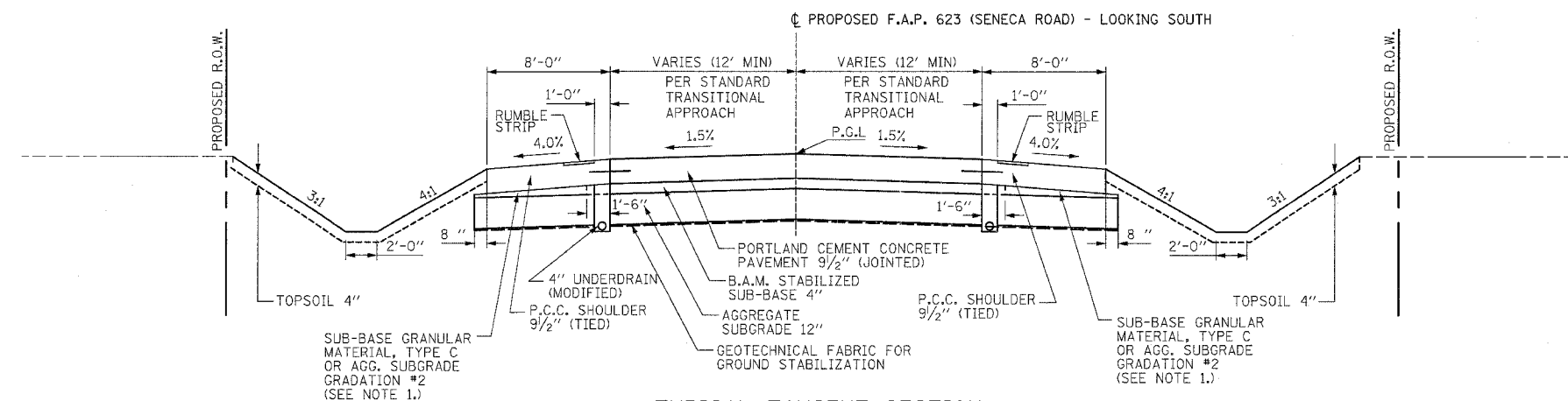
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66402		



TYPICAL TANGENT SECTION
 STA. 0+25.00 TO STA. 3+71.43
 STA. 34+88.58 TO STA. 36+11.55

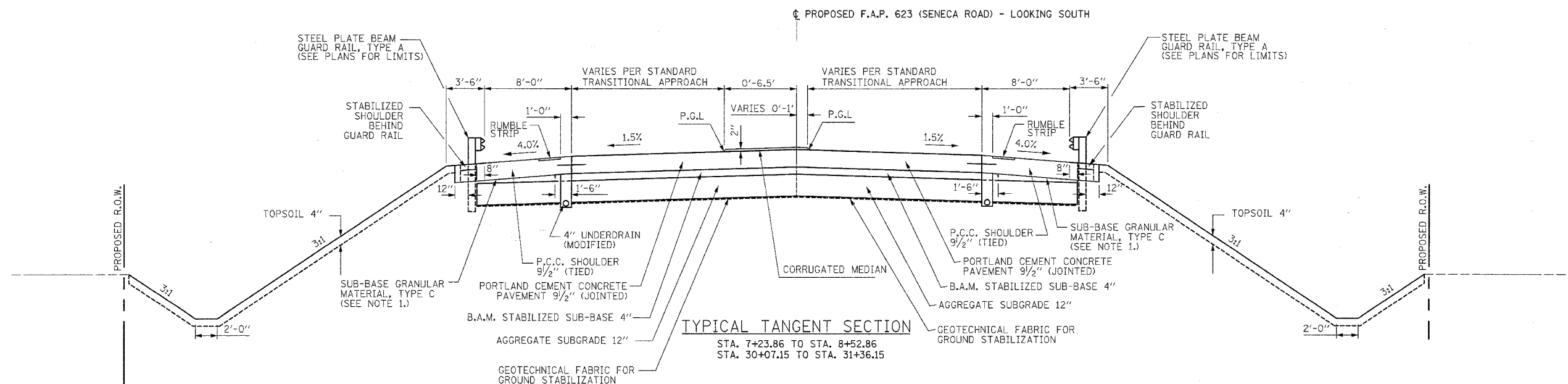
- NOTES:
1. THIS MATERIAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR AGGREGATE SUBGRADE 12".



TYPICAL TANGENT SECTION
 STA. 3+71.43 TO STA. 7+23.86

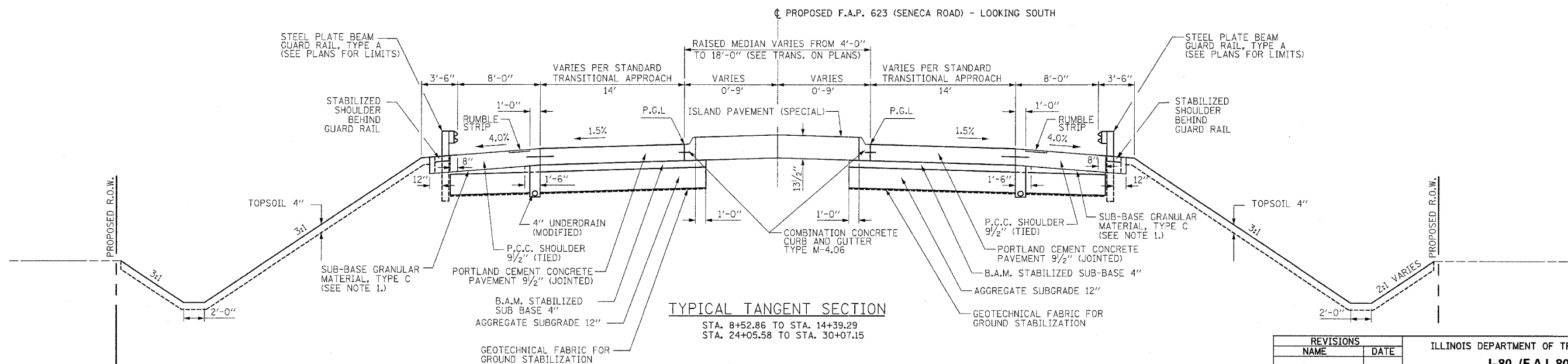
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY TYPICAL SECTIONS F.A.P. 623 (SENECA ROAD) SCALE: N.T.S. DRAWN BY NMR/BJG DATE 10/14/05 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		



NOTES:

1. THIS MATERIAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR AGGREGATE SUBGRADE 12".

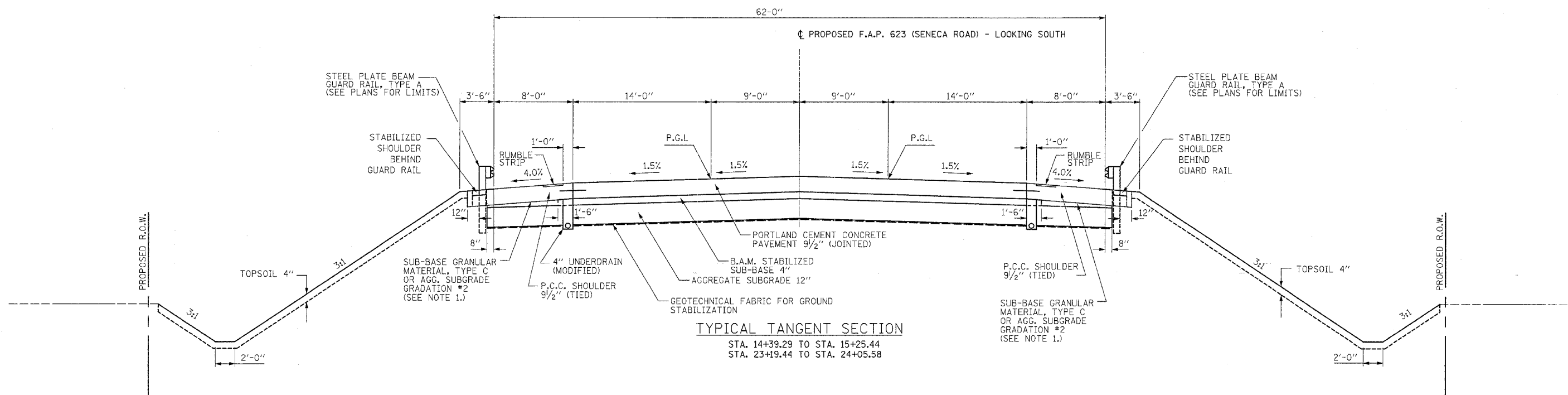


*LIMIT OF STABILIZED SUBBASE WHERE UNDERDRAIN IS NOT REQUIRED

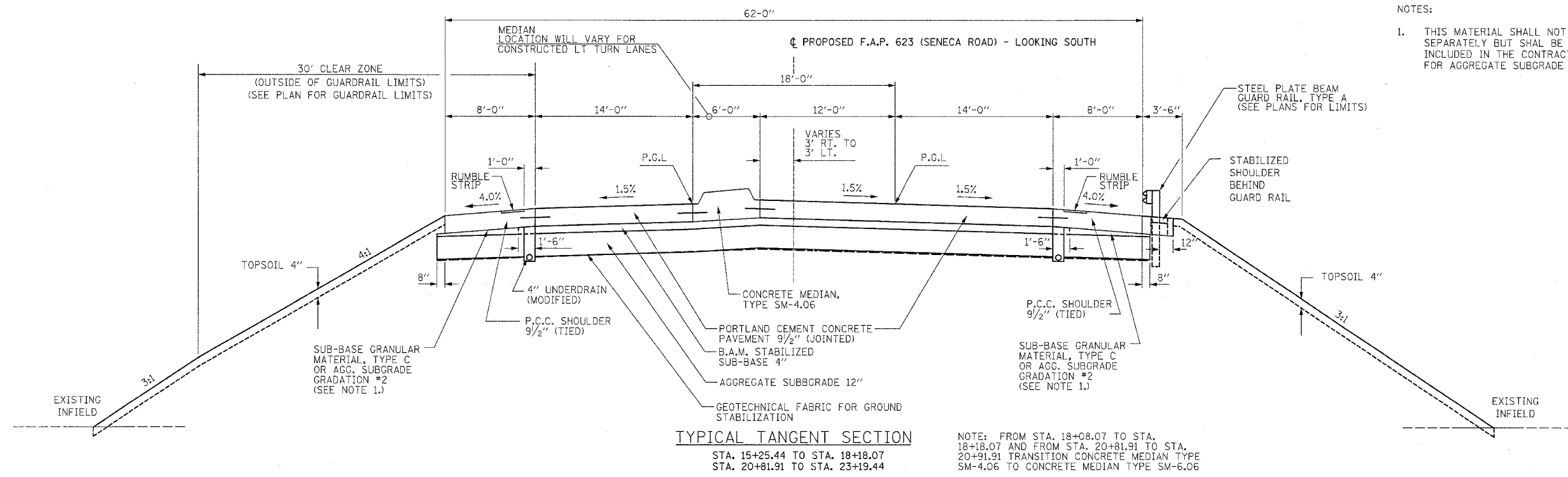
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TYPICAL SECTIONS
 F.A.P. 623 (SENECA ROAD)
 SCALE: N.T.S. DRAWN BY NMR/BJG
 DATE 10/14/05 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



TYPICAL TANGENT SECTION
 STA. 14+39.29 TO STA. 15+25.44
 STA. 23+19.44 TO STA. 24+05.58



TYPICAL TANGENT SECTION
 STA. 15+25.44 TO STA. 18+18.07
 STA. 20+81.91 TO STA. 23+19.44

NOTE: FROM STA. 18+08.07 TO STA. 18+18.07 AND FROM STA. 20+81.91 TO STA. 20+91.91 TRANSITION CONCRETE MEDIAN TYPE SM-4.06 TO CONCRETE MEDIAN TYPE SM-6.06

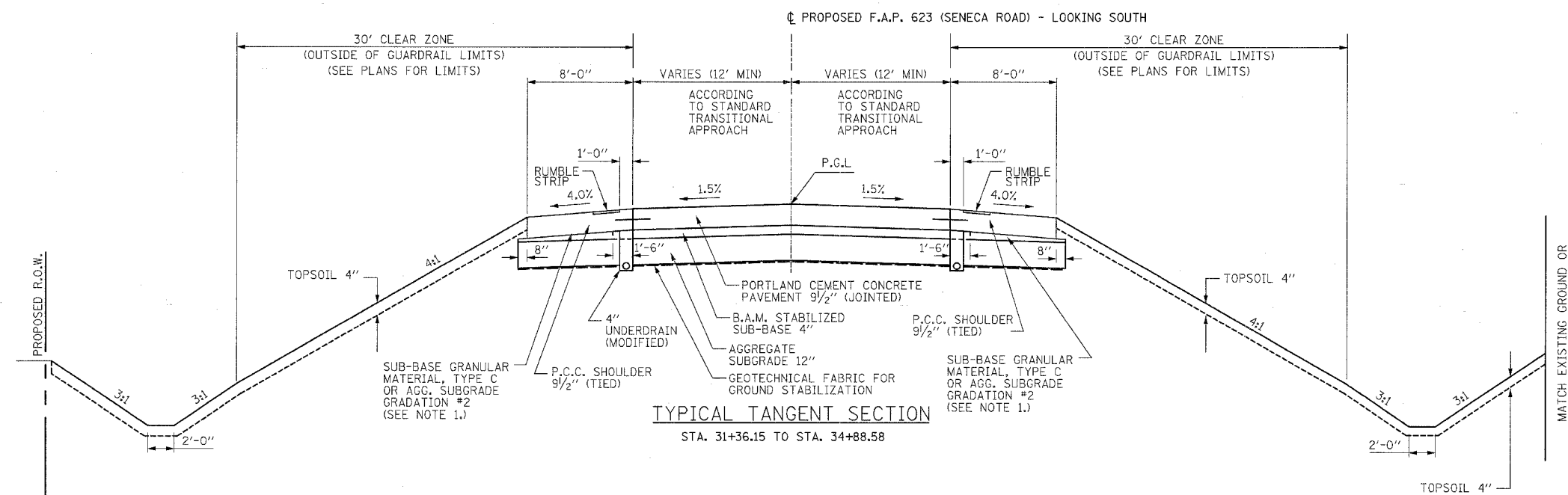
- NOTES:
- THIS MATERIAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR AGGREGATE SUBGRADE 12".

BRIDGE OMISSION
 STA. 18+18.07 TO STA. 20+81.91

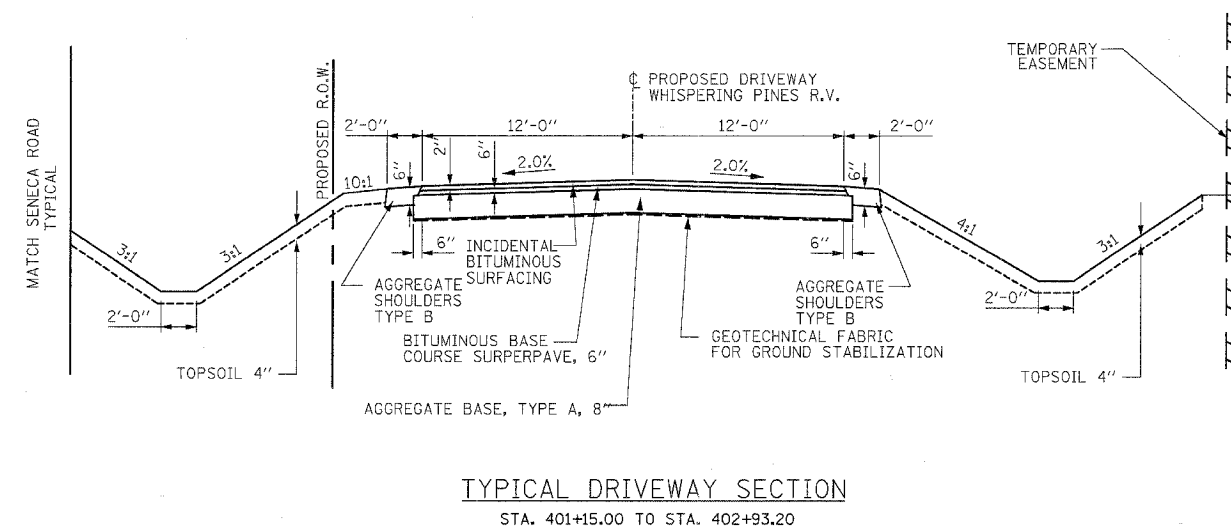
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TYPICAL SECTIONS
 F.A.P. 623 (SENECA ROAD)
 SCALE: N.T.S.
 DATE 10/14/05
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				

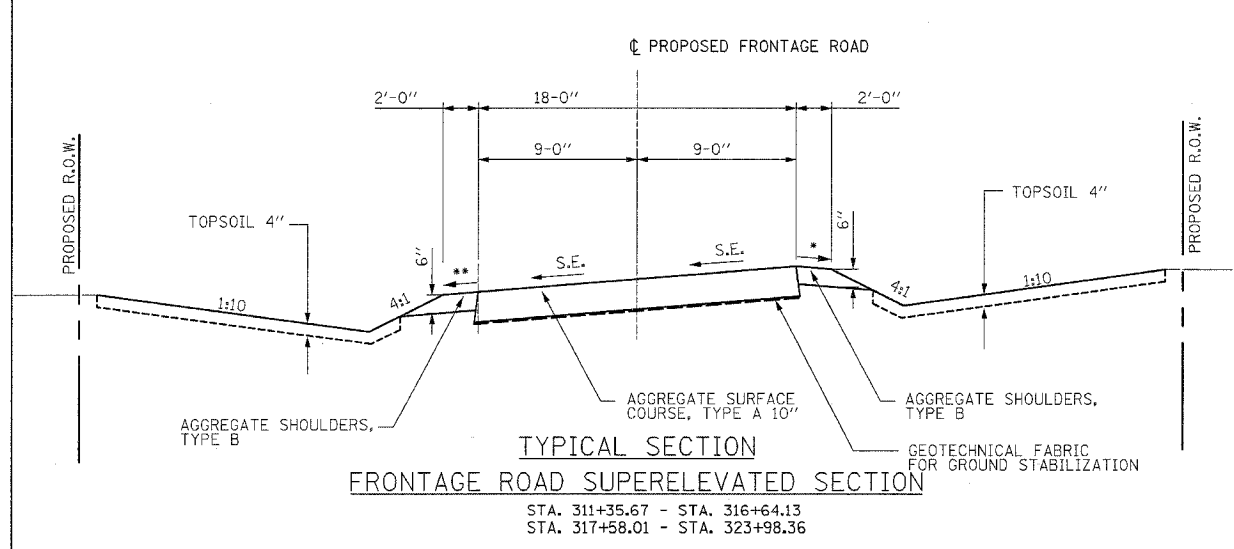
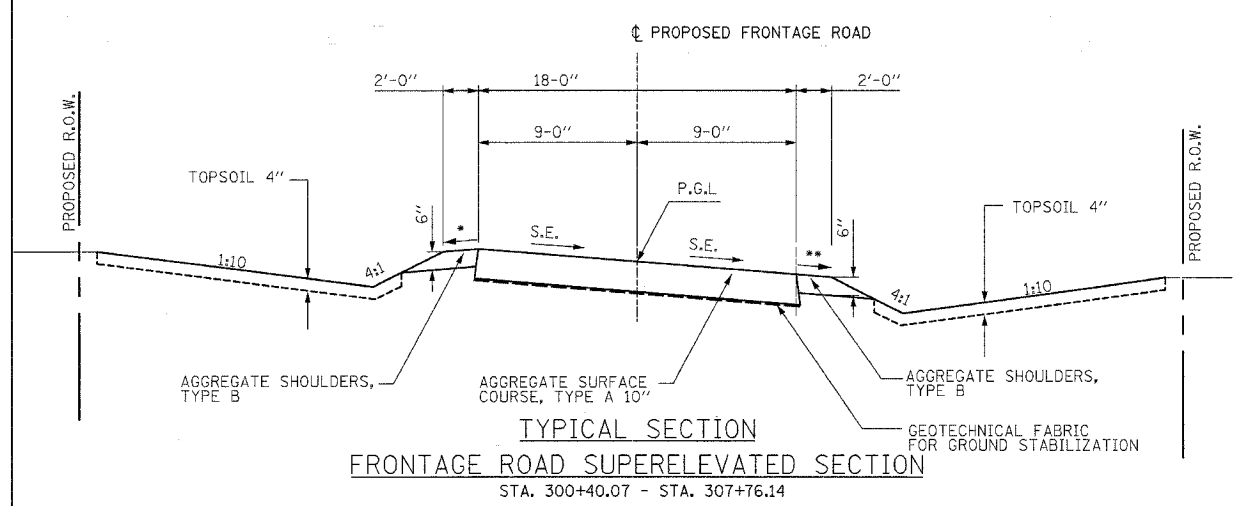
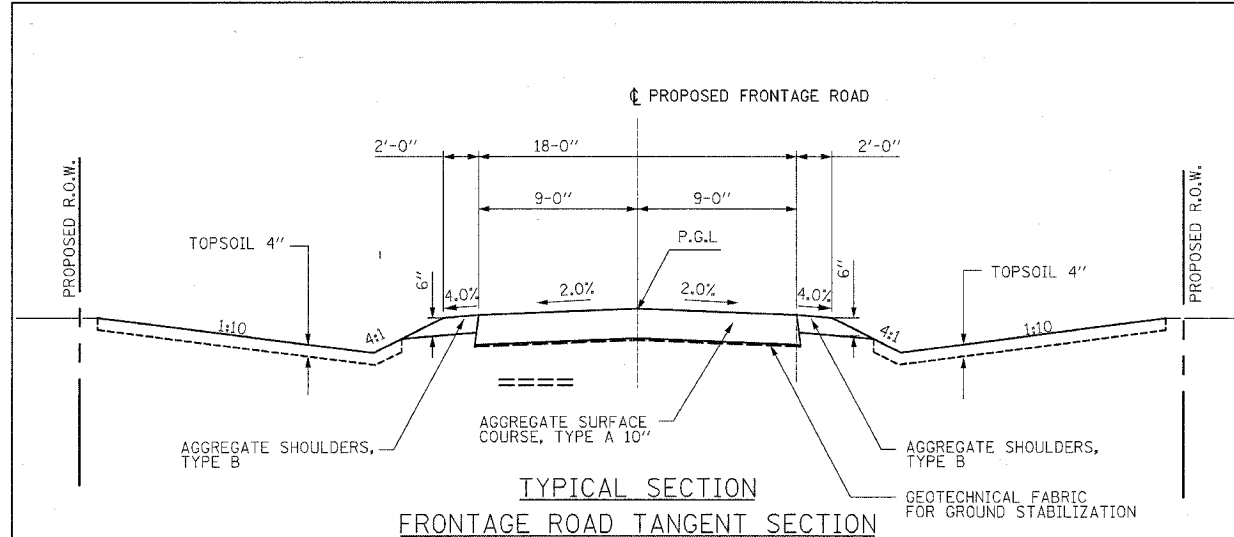


- NOTES:
- THIS MATERIAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR AGGREGATE SUBGRADE 12".

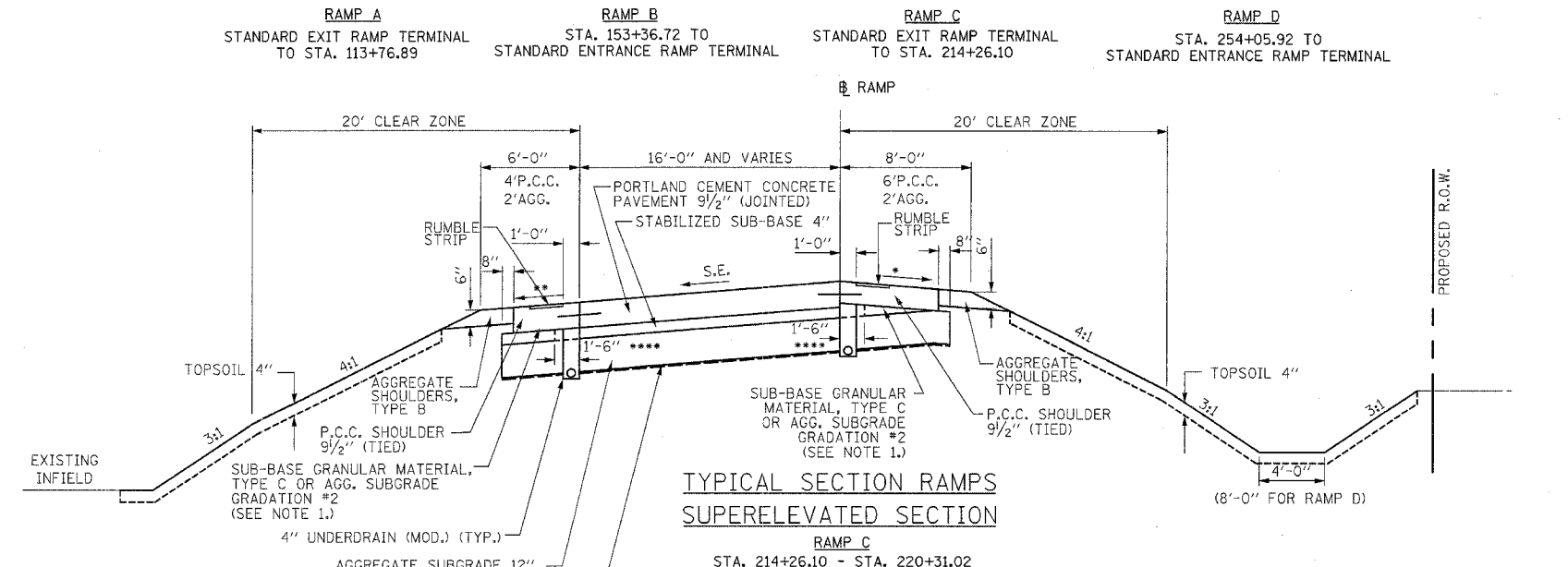
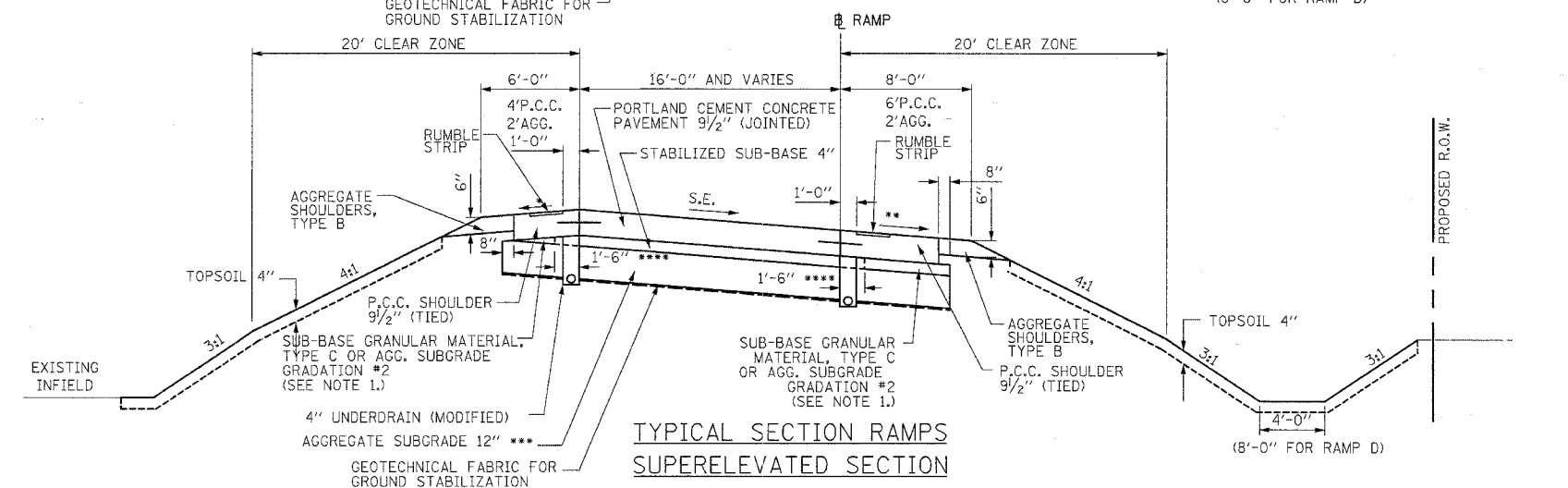
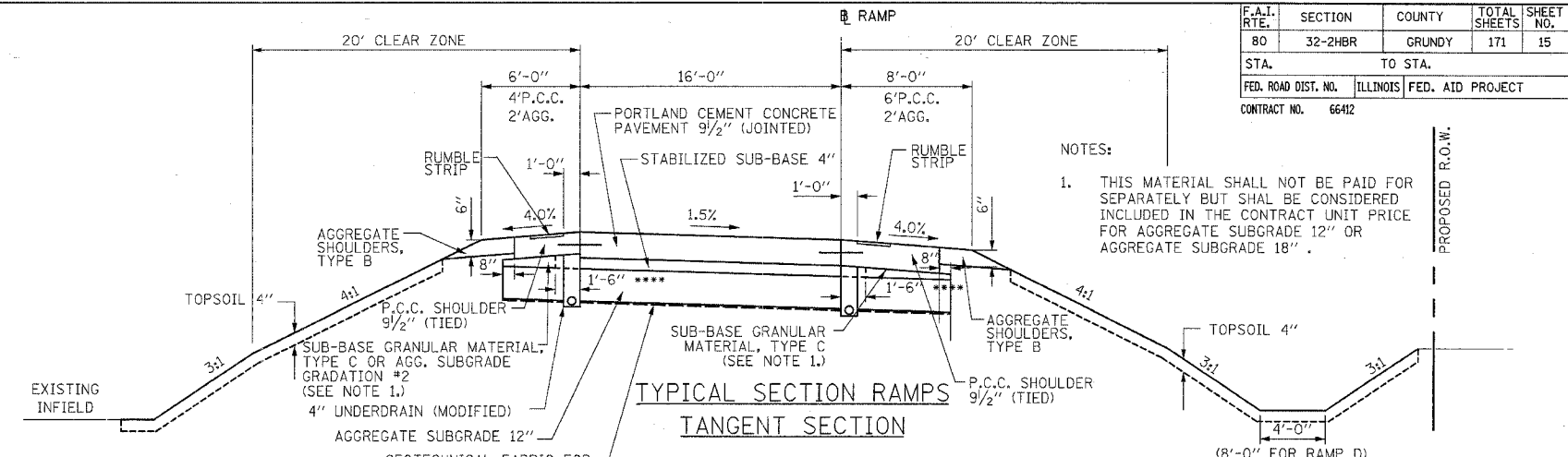


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY TYPICAL SECTIONS AND DRIVEWAY F.A.P. 623 (SENECA ROAD) SCALE: N.T.S. DRAWN BY NMR/BJG DATE 10/14/05 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



* 4% BUT MAX ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%
 ** SAME SLOPE AS S.E. BUT NOT LESS THAN 4%



- * 4% BUT MAX ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%
- ** SAME SLOPE AS S.E. BUT NOT LESS THAN 4%
- *** BETWEEN STATIONS 210+00 AND 214+50 ON RAMP C USE AGGREGATE SUBGRADE 18" IN PLACE OF THE AGGREGATE SUBGRADE 12"
- ****LIMIT OF STABILIZED SUBBASE WHERE UNDERDRAIN IS NOT REQUIRED

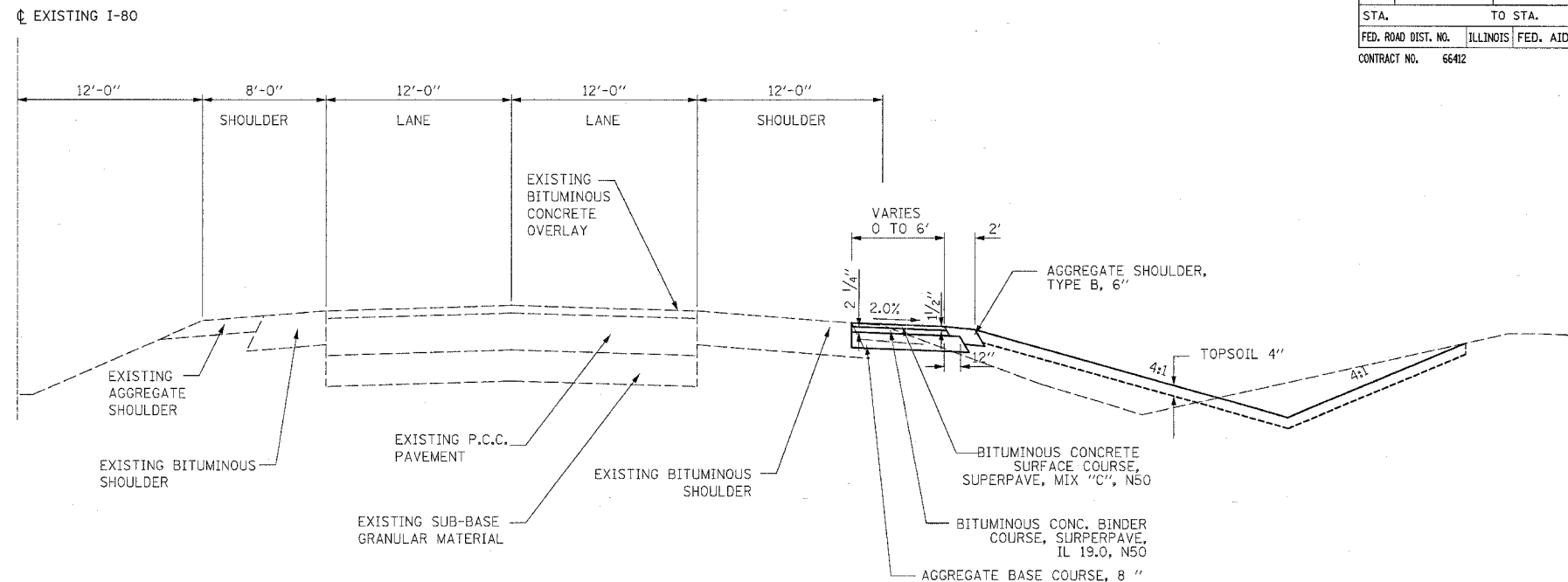
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TYPICAL SECTIONS RAMPS
 AND FRONTAGE ROAD
 SCALE: N.T.S. DRAWN BY NMR/BJG
 DATE 10/14/05 CHECKED BY DJL/JPL

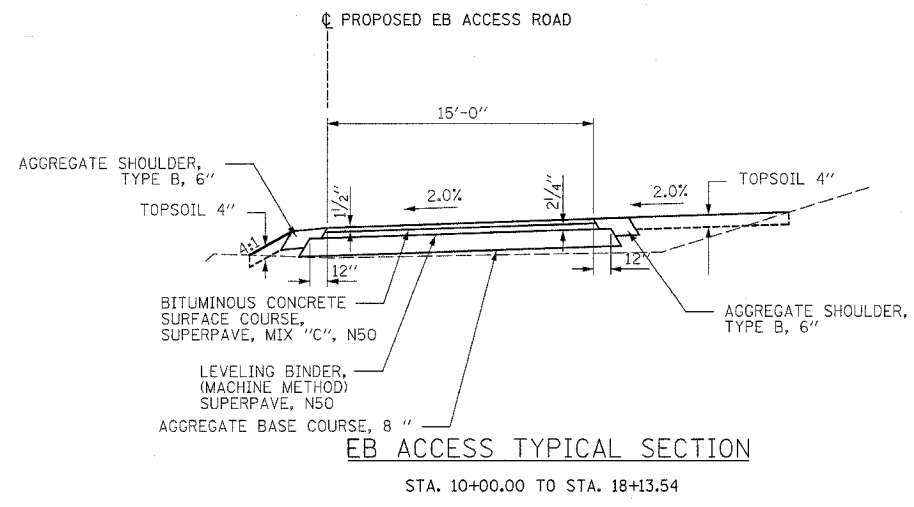
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				

BITUMINOUS MIXTURES TABLE

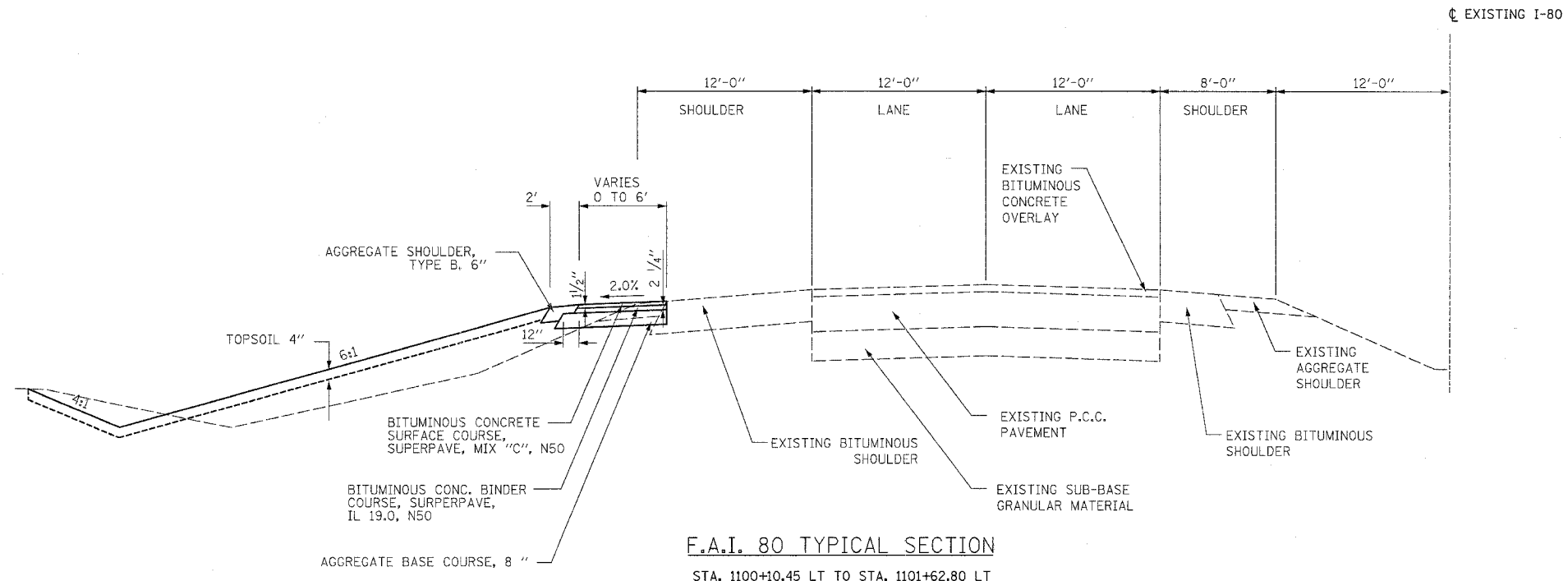
	ACCESS ROADS	
	SUPERPAVE BINDER	SUPERPAVE SURFACE
PG GRADE	PG58-22	PG58-22
MAX. % RAP ALLOWABLE**	25%	15%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5 OR IL 12.5
PLANT CONTROL LIMITS	CLASS 1	CLASS 1
DENSITY TEST METHOD	CORES/NUCLEAR	CORES/NUCLEAR



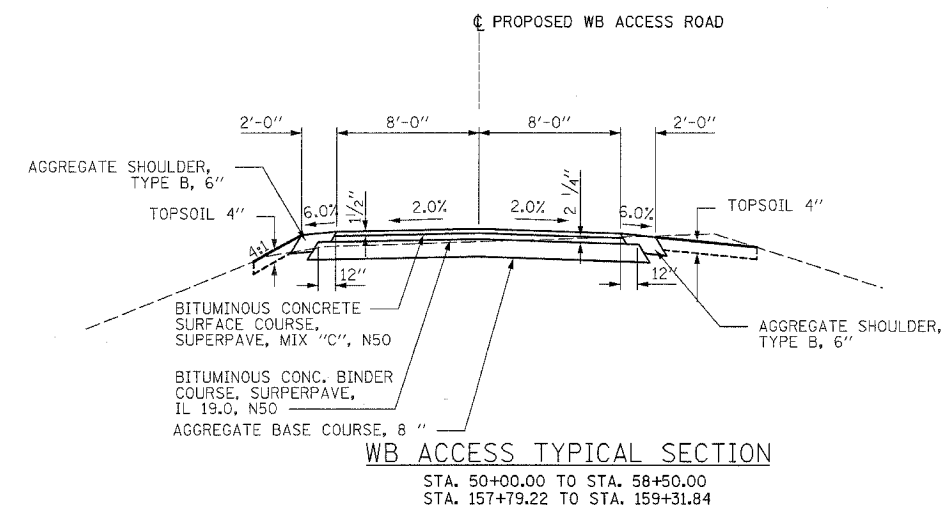
F.A.I. 80 TYPICAL SECTION
STA. 1095+42.60 RT TO STA. 1096+98.83 RT



EB ACCESS TYPICAL SECTION
STA. 10+00.00 TO STA. 18+13.54



F.A.I. 80 TYPICAL SECTION
STA. 1100+10.45 LT TO STA. 1101+62.80 LT



WB ACCESS TYPICAL SECTION
STA. 50+00.00 TO STA. 58+50.00
STA. 157+79.22 TO STA. 159+31.84

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**
TYPICAL SECTIONS
LOCKED GATE ACCESS ROADS
SCALE: N.T.S. DRAWN BY NMR/BJG
DATE 10/14/05 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 66412				

SCHEDULE OF QUANTITIES

EARTHWORK QUANTITIES										
LOCATION	CUT (CU. YD.)	FILL (CU. YD.)	TOPSOIL EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU. YD.)	EARTH EXCAVATION (CU. YD.)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU. YD.)	FURNISHED EXCAVATION (CU. YD.)	TOPSOIL EXCAVATION AND PLACEMENT (CU. YD.)	EXCESS TOPSOIL (CU. YD.)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU. YD.)
F.A.P. 623 (SENECA ROAD)	7990	77165	5960		7990	5993	71173	4165	1795	
RAMP A	4295	5270	1595		4295	3221	2049	1255	340	
RAMP B	9875	6160	2345		9875	7406	-1246	1770	575	
RAMP C	22810	19035	3725		22810	17108	1928	2710	1015	890
RAMP D	19605	18760	2780		19605	14704	4056	2125	655	
FRONTAGE ROAD	5210	2125	2455		5210	3908	-1783	1352	1103	
DRIVEWAY	145	395	95		145	109	286	70	25	
TEMPORARY RAMP B	6060	6020			6060	4545	1475			
TEMP. WIDEN SENECA RD	445	450			445	334	116			
LOCKED GATE EBACC	610	2380	820		610	458	1923	520	300	
LOCKED GATE WBACC	970	290	560		970	728	-438	260	300	
TOTAL	78015	138050	20335		78015	58512	79539	14227	6108	890

SEEDING								
LOCATION	CLASS 2A (ACRE)	CLASS 4A (ACRE)	TEMP. EROSION CONTROL SEEDING (POUND)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHOROUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (TON)	EROSION CONTROL BLANKET (SQ YD)
F.A.P. 623 (SENECA ROAD)	9.30	2.10	2280	837	837	837	23.0	5270
RAMP A	2.50	0.40	580	225	225	225	6.0	540
RAMP B	2.60	1.40	800	234	234	234	8.0	1120
RAMP C	3.00	3.80	1360	270	270	270	14.0	940
RAMP D	2.90	1.60	900	261	261	261	9.0	1670
FRONTAGE ROAD	1.20	1.60	560	108	108	108	6.0	1830
LOCKED GATE EBACC	0.10	0.10	40	9	9	9	1.0	1100
LOCKED GATE WBACC	0.10	0.10	40	9	9	9	1.0	270
TOTAL	21.7	11.10	6480	1953	1953	1953	68.0	12740

REVISIONS	
NAME	DATE
MJ	12-6-05

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 SCHEDULE OF QUANTITIES

SCALE: N.T.S.
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		

POLYUREA TYPE 2 PAVEMENT MARKING							
LOCATION	LINE 4" (WHITE) (FOOT) 78008310	LINE 4" (YELLOW) (FOOT) 78008310	LINE 6" (WHITE) (FOOT) 78008330	LINE 8" (WHITE) (FOOT) 78008340	LINE 12" (WHITE) (FOOT) 78008350	LINE 24" (WHITE) (FOOT) 78008370	LETTERS AND SYMBOLS (WHITE) (SQ. FT.) 78008300
F.A.P. 623 (SENECA ROAD)							
475+75.00 TO 36+11.55	6480	7050		520		100	50
RAMP A							
98+95.33 TO 118+26.40	2080	1165		1480	560		
RAMP B							
150+12.90 TO 177+82.37	2800	1120		1580			
RAMP C							
198+95.31 TO 221+43.25	2330	1430		1460	550		
RAMP D							
250+12.97 TO 279+30.07	2950	1260		1590			
F.A.I. 80							
800+52.68 TO 803+52.65, 44' LT	300						
837+83.83 TO 846+34.04, 44' RT	851						
837+80.55 TO 840+80.50, 44' RT	300						
791+36.73 TO 799+86.92, 44' LT	851						
791+36.34 TO 840+80.62	2500	4945	1850				
800+52.69 TO 846+32.92	2150	4580	1725				
TOTALS	45150		3575	6630	1110	100	50

TEMPORARY PAVEMENT MARKING AND REMOVAL									
LOCATION	TEMPORARY PAVEMENT MARKING							SHORT TERM PAVEMENT MARKING LIN. FT. 70300100	PAVEMENT MARKING REMOVAL SQ. FT. 78300100
	LINE 4"		LINE 8"		LINE 12"	LINE 24"	SYMBOLS		
	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	WHITE		
	LIN. FT. 70300220	LIN. FT. 70300220	LIN. FT. 70300250	LIN. FT. 70300250	LIN. FT. 70300260	LIN. FT. 70300280	SQ. FT. 70300210		
F.A.P. 623 (SENECA ROAD)									
475+75.00 TO 36+11.55	6480	7050		520		100	50		5107
RAMP A									
98+95.33 TO 118+26.40	2080	1165		1480	560				2628
RAMP B									
150+12.90 TO 177+82.37	2800	1120		1580					2360
RAMP C									
198+95.31 TO 221+43.25	2330	1430		1460	550				2777
RAMP D									
250+12.97 TO 279+30.07	2950	1260		1590					2463
F.A.I. 80									
800+52.68 TO 803+52.65, 44' LT	300								100
837+83.83 TO 846+34.04, 44' RT	851								284
837+80.55 TO 840+80.50, 44' RT	300								100
791+36.73 TO 799+86.92, 44' LT	851							1332	284
791+36.34 TO 840+80.62	2500	4945	1850					1333	3407
800+52.69 TO 846+32.92	2150	4580	1725						3106
TOTALS	45150		3575	6630	1110	100	50	2665	22616

MEDIAN QUANTITIES				
LOCATION	CORRUGATED MEDIAN (SQ. FT.) 60624600	ISLAND PAVEMENT (SPECIAL) (SQ. YD.) 60625800	CONCRETE MEDIAN, TYPE SM-4.06 (SQ. FT.) X6065701	CONCRETE MEDIAN, TYPE SM-6.06 (SQ. FT.) 60622400
F.A.P. 623 (SENECA ROAD)				
7+24.86 TO 9+38.01	809			
8+54.86 TO 14+36.29		7042		
15+27.44 TO 18+08.07			1359	
18+08.07 TO 18+48.49				200
20+51.49 TO 20+91.91				200
20+81.91 TO 23+17.44			1084	
24+08.58 TO 30+05.15		7267		
29+22.00 TO 31+35.15	811			
RAMP A				
118+50 (CORNER ISLAND)		175		
RAMP C				
221+20 (CORNER ISLAND)		91		
TOTALS	1620	14575	2443	400

COMBINATION CONCRETE CURB AND GUTTER		
LOCATION	TYPE M-4.06 (FOOT) X6064201	TYPE M-4.24 (FOOT) X6063600
F.A.P. 623 (SENECA ROAD)		
8+54.86 TO 14+36.29	1181	
24+08.58 TO 30+05.15	1212	
RAMP A		
118+50 (CORNER ISLAND)	45	22
RAMP C		
221+20 (CORNER ISLAND)	41	17
TOTALS	2479	39

LOCATION	TEMP. RAMPS (SQ. YD.) 40600990
F.A.I. 80	14
791+36.34 LT	14
800+52.69 RT	14
840+80.62 LT	14
846+32.92 RT	
F.A.P. 623 SENECA ROAD	13
36+61.55	
TOTAL	69

LOCATION	BITUMINOUS MATERIAL PRIME COAT (GAL) 40600100
SENECA DRIVEWAY	
401+15.00 TO 403+09.18	275
TOTAL	275

REVISIONS	
NAME	DATE
MJ	12.6.05

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY
 SCHEDULE OF QUANTITIES

SCALE: N.T.S. DRAWN BY: NMR/BJG
 DATE: 10/14/05 CHECKED BY: DJL/JPL

SCHEDULE OF QUANTITIES

F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 66412				

PAVEMENT QUANTITIES

LOCATION	AGGREGATE SUBGRADE 12"	AGGREGATE SUBGRADE 18"	PORTLAND CEMENT CONCRETE PAVEMENT 9/2" (JOINTED)	STABILIZED SUB-BASE 4"	AGGREGATE SHOULDERS TYPE B	AGGREGATE SURFACE COURSE, TYPE A - 10"	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	AGGREGATE BASE COURSE TYPE A-8"	BITUMINOUS BASE COURSE SUPERPAVE 6"	INCIDENTAL BITUMINOUS SURFACING	BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE MIX "C" "N50	POLYMERIZED BIT. CONC. SURFACE COURSE SUPERPAVE MIX "E" "N90	BITUMINOUS SHOULDERS 10"	AGGREGATE SURFACE COURSE TYPE B	LEVELING BINDER (MACH. METH.) SUPERPAVE N70	LEVELING BINDER (MACH. METH.) SUPERPAVE N50	AGGREGATE BASE COURSE TYPE B 6"	BIT. CONC. BINDER COURSE SUPERPAVE N50	PORTLAND CEMENT CONCRETE SHOULDERS 9/2"
	(SQ. YD.) Z0001050	(SQ. YD.) Z3001686	(SQ. YD.) 42000411	(SQ. YD.) 31200100	(TON) 48101200	(SQ YD)	(SQ YD) 21001000	(SQ YD) 35100700	(SQ YD) X3550300	(TON) 40800040	(TON) X4066414	(TON) X4066538	(SQ. YD.) 48200800	(CU YD) 40200800	(TON) X4066770	(TON) X4066765	(SQ YD) 35101800	(TON) X4066765	(SQ. YD.) 48300410
F.A.I. 80																			
791+36.34 LT TO 840+80.62 LT												1250							
800+52.69 RT TO 846+32.92 RT												1179							
807+23.71 LT TO 811+60.00 LT					44								485						
808+15.65 RT TO 811+10.00 RT					30								328						
830+00.00 LT TO 833+17.57 LT					53								576						
827+80.00 RT TO 830+52.33 RT					28								303						
F.A.P. 623 (SENECA ROAD)																			
0+25.00 TO 36+11.55	20052		12702	14955	0		23519				19								5567
32+38.93 LT														46					
33+12.64 LT														46					
6+41 LT								311	300	30									
RAMP A																			
98+96.88 TO 119+09.21	5952		3221	4343	420		5952												2774
RAMP B																			
150+00.00 TO 177+82.37	7895		5097	5892	490		7895	300	30										2536
RAMP C																			
198+96.89 TO 221+54.06	5846		4313	4838	508		5846												2520
* 210+00.00 TO 214+50.00		1528																	
RAMP D																			
250+00.00 TO 279+25.94	8313		5438	6226	547		8313												2888
FRONTAGE ROAD																			
300+00.00 TO 334+00.00					775	6855	6800												
326+00 LT														36					
DRIVEWAY																			
401+15.00 TO 403+09.18					29			676	550	60									
TEMPORARY RAMP B																			
151+00 TO 157+90															497		1004		
TEMP. WIDENING SENECA RD																			
25+80.00 TO 38+40.00																707	1427		
LOCKED GATE EBACC																			
10+00.00 TO 19+16.22					150			1990			193								217
LOCKED GATE WBACC																			
50+00.00 TO 159+31.84					155			2076			203								228
TOTAL	48058	1528	30771	36254	3307	6855	58325	5053	850	90	415	2429	1692	128	497	707	2431	445	16285

* SUBGRADE UNDERCUT AREA

REVISIONS	
NAME	DATE
MJ	12.6.05

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 SCHEDULE OF QUANTITIES

SCALE: N.T.S.
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		6642		

LOCATION	(FIELD TILE REPLACEMENT)																
	STORM SEWERS PROTECTED CLASS A 8" (FOOT) 61101009	STORM SEWERS PROTECTED CLASS A 10" (FOOT) 61101011	STORM SEWERS PROTECTED CLASS A 12" (FOOT) 61101013	STORM SEWERS PROTECTED CLASS A 14" (FOOT) 61101016	STORM SEWERS SPECIAL 6" (FOOT) 61139990	STORM SEWERS SPECIAL 8" (FOOT) 61140000	STORM SEWERS SPECIAL 10" (FOOT) 61140100	STORM SEWERS SPECIAL 12" (FOOT) 61140200	STORM SEWERS SPECIAL 14" (FOOT) 61140300	FIELD TILE JUNCTION VAULTS 2' DIA. (EACH) 61133100	FIELD TILE JUNCTION VAULTS 3' DIA. (EACH) 61133200	EXPLORATION TRENCH 52" DEPTH (EACH) 61100500	MISC. CONCRETE (CU YD) 61100605	PIPE DRAIN 10" (FOOT) 60100935	PIPE DRAIN 12" (FOOT) 60100945	PIPE DRAIN 15" (FOOT) 60100955	PIPE DRAIN 18" (FOOT) 60100965
F.A.P. 623 (SENECA ROAD)																	
13+16.20, 77.7' RT.										1							
13+60.20, 77.7' RT TO 15+96.46, 132.0' RT			280														
15+96.46, 132.0' RT.										1							
15+96.46, 132.0' RT. TO 18+60.04, 123.1' RT.							264										
18+60.04, 183.1' RT										1							
20+33.35, 216.6' RT.										1							
20+33.35, 216.6' RT. TO 115+66.73, 76.2' RT							215										
RAMP A																	
115+66.73, 76.2' LT.										1							
115+66.73, 76.2' LT. TO 116+15.41, 63.9' RT			148														
116+15.41, 63.9' RT												1					
RAMP D																	
264+50 LT TO 267+00 LT												250					
FRONTAGE ROAD																	
304+02.55, 50.9' LT										1							
304+02.55, 50.9' LT TO 305+16.92, 38.5' LT							126										
304+26.25, 45.3' LT										1							
305+16.92, 38.5' LT										1							
306+72.05, 31.6' LT TO 305+16.92, 38.5' LT							165										
306+72.05, 31.6' LT										1							
306+31.80, 39.9' LT TO 305+26.25, 45.3' LT							115										
306+31.80, 39.9' LT										1							
312+50.00, 41.0' LT TO 306+31.80, 39.9' LT							620										
MISCELLANEOUS AREAS																	
AS NECESSARY	100	100	100	100	315	100	100	100	100	10	15	1000	6	40	40	40	40
TOTALS	100	100	528	100	1050	391	100	579	100	15	20	1250	7	40	40	40	40

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY SCHEDULE OF QUANTITIES
NAME	DATE	
		SCALE: N.T.S. DATE 10/14/05 DRAWN BY NMR/BJG CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		

SCHEDULE OF QUANTITIES

PIPE UNDERDRAIN SCHEDULE	
LOCATION	4" (MODIFIED) (FOOT) X6013600
F.A.P. 623 (SENECA ROAD)	
LT 3+41 - 18+18	1472
RT 3+00 - 18+18	1472
LT 20+82 - 35+00	1418
RT 20+82 - 35+00	1418
RAMP A	
RT 99+00 - 101+35	235
RT 101+55 - 109+93	838
LT 101+95 - 109+93	798
RT 109+93 - 114+50	457
LT 109+93 - 114+50	457
RAMP B	
RT 154+50 - 159+50	500
LT 154+50 - 159+50	500
RT 159+50 - 166+25	675
LT 159+50 - 166+25	675
RT 166+25 - 175+38	913
RT 175+58 - 177+86	228
LT 166+25 - 169+36	311
RAMP C	
RT 199+00 - 206+50	750
LT 201+95 - 206+50	455
RT 206+50 - 211+52	502
LT 206+50 - 211+52	502
RT 211+52 - 216+50	498
LT 211+52 - 216+50	498
RAMP D	
LT 255+00 - 262+33	733
RT 255+00 - 262+33	733
LT 262+33 - 267+52	519
RT 262+33 - 267+52	519
LT 267+72 - 270+80	308
RT 267+72 - 279+30	1158
TOTALS	19542

PIPE UNDERDRAIN SPECIAL SCHEDULE		
LOCATION	4" (FOOT) 60108100	CONC. HEADWALLS (EACH) 60100060
F.A.P. 623 (SENECA ROAD)		
LT 3+41	19	1
RT 3+00	19	1
RT & LT 8+18	20	2
RT & LT 13+18	20	2
LT 25+00	20	1
RT 25+00	18	1
RT & LT 30+00	19	2
RT & LT 35+00	19	2
RAMP A		
RT 101+35	19	1
RT 106+00	35	1
RT 106+00	19	1
RT 109+93	36	1
RT 109+93	78	1
RAMP B		
RT 159+50	38	1
RT 159+50	74	1
RT 162+75	56	1
RT 169+36	37	1
RT 171+00	19	1
RT 175+38	19	1
RT 177+86	19	1
RAMP C		
RT 199+00	13	1
RT 201+95	35	1
RT 202+75	13	1
LT & RT 210+00	31	2
RT 211+52	48	1
LT 211+52	72	1
RAMP D		
LT & RT 259+00	39	2
RT 262+33	106	2
RT 265+00	54	1
RT 267+72	20	1
RT 270+00	20	1
RT 275+00	20	1
TOTALS	1074	39

LOCATION	PIPE UNDERDRAIN OUTLET EXTENSION SPECIAL (EACH) X6013820	SHOULDER REMOVAL AND REPLACEMENT (FOOT) 60100070
F.A.I. 80		
802+89 LT	1	33
803+19 LT	1	33
802+85 RT	1	25
803+22 RT	1	25
832+63 RT	1	36
833+60 LT	1	28
837+63 LT	1	18
839+00 RT	1	21
842+04 RT	1	17
TOTALS	9	236

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 SCHEDULE OF QUANTITIES

SCALE: N.T.S.
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

SCHEDULE OF QUANTITIES

SCHEDULE FOR STANDARD SIGNS						
LOCATION	STANDARD NUMBER	SIGN PANEL		WOOD SIGN SUPPORT (FOOT)	SIGN PLACEMENT	
		TYPE 1	TYPE 2		HEIGHT ABOVE EDGE OF PAVEMENT	DISTANCE FROM EDGE OF PAVEMENT
		(SQ. FT.)	(SQ. FT.)			
F.A.P. 623 (SENECA ROAD)		72000100	72000200	73000100		
2+38, RT	W6-1-36	9.00		18	7'-0"	12'-0"
11+82, LT (IN MEDIAN)	W6-2-36	9.00		17	7'-0"	2' BACK OF CURB
14+13, LT (IN MEDIAN)	M3-4(B)-3015 M1-1-36 M5-1L-3018	3.13 9.00 3.75		18	11'-6" 8'-6" 7'-0"	2' BACK OF CURB
17+87, RT (IN MEDIAN)	R3-1100-2424	4.00		14	7'-0"	CENTERED IN MEDIAN
20+57, LT (IN MEDIAN)	R3-1100-2424	4.00		14	7'-0"	CENTERED IN MEDIAN
24+32, RT (IN MEDIAN)	M3-2(B)-3015 M1-1-36 M5-1L-3018	3.13 9.00 3.75		18	11'-6" 8'-6" 7'-0"	2' BACK OF CURB
26+79, RT (IN MEDIAN)	W6-2-36	9.00		17	7'-0"	2' BACK OF CURB
36+23, LT	W6-1-36	9.00		20	7'-0"	18'-0"
RAMP A						
118+24, LT	R1-1-36	9.00		15	5'-0"	12'-0"
118+53, LT (IN ISLAND)	R6-3-2418	3.00		SEE SIGN RELOCATION SCHEDULE	4'-0"	2' BACK OF CURB
RAMP C						
221+07, LT	R1-1-36	9.00		15	5'-0"	12'-0"
221+19, RT (IN ISLAND)	R6-3-2418	3.00		SEE SIGN RELOCATION SCHEDULE	4'-0"	2' BACK OF CURB
FRONTAGE ROAD						
300+31, LT	R1-1-30	6.25		14	5'-0"	6'-0"
TOTALS		106	0	180		

SCHEDULE FOR REMOVE SIGN PANEL ASSEMBLY TYPE A OR TYPE B				
LOCATION	TYPE OF SIGNS	SIGN SUPPORT REMOVAL (EACH)	QUANTITIES	
			TYPE A (EACH)	TYPE B (EACH)
F.A.P. 623 (SENECA ROAD)			72400100	72400200
5+97, LT	W14-3-486464	1		1
31+48, RT	W14-3-486464	1		1
TOTALS		2	0	2

* EXISTING LOCATIONS ON THE RAMPS ARE BASED ON PROPOSED RAMP STATIONING.

SHOULDER RUMBLE STRIPS 64200105	
LOCATION	(EACH)
F.A.P. 623 (SENECA ROAD)	
1+50 TO 2+50 LT	100
1+50 TO 13+03 RT	1153
3+40 TO 12+82 LT	942
14+71 TO 18+18 RT	347
14+59 TO 18+18 LT	359
20+82 TO 23+90 RT	308
20+82 TO 23+80 LT	298
25+80 TO 31+96 RT	616
25+80 TO 36+11 LT	1031
32+93 TO 36+11 RT	318
RAMP A	
99+00 TO 118+09 RT	1909
106+61 TO 117+55 LT	1094
RAMP B	
151+72 TO 162+02 LT	1030
151+22 TO 177+82 RT	2660
RAMP C	
198+97 TO 220+36 RT	2139
206+60 TO 220+73 LT	1413
RAMP D	
250+09 TO 279+26 RT	2917
251+72 TO 263+40 LT	1168
TOTALS	19802

WOVEN WIRE FENCE, 4' 66500105	
LOCATION	(FOOT)
F.A.I. 80	
LT. 793+81 TO LT. 817+99	2550
RT. 799+56 TO RT. 811+46	1192
LT. 820+38 TO LT. 843+48	2540
RT. 821+02 TO RT. 848+89	2900
F.A.P. 623 (SENECA ROAD)	
RT. 8+00 TO RT. 13+01	510
LT. 8+00 TO LT. 11+09	310
RT. 25+31 TO RT. 32+00	675
LT. 25+46 TO LT. 32+00	660
LOCKED GATE EBACC	
RT. 10+76 TO RT 18+70	842
TOTALS	12179

WOVEN WIRE FENCE GATES 4' x 24' DOUBLE 66502000	
LOCATION	(FOOT)
LOCKED GATE EBACC	
10+70.40 LT 0.8' TO RT 23.2'	1
LOCKED GATE WBACC	
158+36.50 LT 11.4' TO RT 12.6'	1
TOTALS	2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 SCHEDULE OF QUANTITIES

SCALE: N.T.S. DRAWN BY NMR/BJG
 DATE 10/14/05 CHECKED BY DJL/JPL

SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.	66412			

SCHEDULE FOR RELOCATION SIGN PANEL ASSEMBLY TYPE A OR TYPE B							
EXISTING LOCATION	PROPOSED LOCATION	TYPE OF SIGNS	QUANTITIES		WOOD SIGN SUPPORT (FOOT)	SIGN PLACEMENT	
			TYPE A (EACH) 72400500	TYPE B (EACH) 72400600		HEIGHT ABOVE EDGE OF PAVEMENT	DISTANCE FROM EDGE OF PAVEMENT
F.A.I. 80							
796+76, LT	790+33, LT	M3-4(B)-3015 M1-1-36		1	20	10'-0" 7'-0"	35'-0"
812+76, LT	808+33, LT	W4-1-48		1	19	7'-0"	12'-0"
826+28, RT	829+38, RT	W4-1-48		1	19	7'-0"	12'-0"
841+27, RT	847+38, RT	M3-2(B)-3015 M1-1-36		1	21	10'-0" 7'-0"	35'-0"
F.A.P. 623 (SENECA ROAD)							
17+64, RT	17+64, RT	M3-2(B)-3015 M1-1-36 M5-1L-3018		1	21	11'-6" 8'-6" 7'-0"	18'-0"
22+28, LT	22+28, LT	M3-4(B)-3015 M1-1-36 M5-1L-3018		1	21	11'-6" 8'-6" 7'-0"	18'-0"
32+71, RT	32+77, RT	R1-1-30	1		14	5'-0"	6' FROM EDGE OF DRIVEWAY
33+55, LT	33+55, LT	M2-1(B)-3015 M1-1-36		1	20	10'-0" 7'-0"	18'-0"
RAMP A*							
810+12, RT	104+00, RT	W13-3-4860		1	20 20	7'-0"	18'-0"
111+45, RT	112+00, RT	W3-1A-36	1		20	7'-0"	18'-0"
117+52, RT	117+40, RT	R5-9-3624	1		17	7'-0"	18'-0"
117+53, LT	117+40, LT	R5-9-3624	1		17	7'-0"	18'-0"
117+83, LT	117+70, LT	R5-1-3636	1		18	7'-0"	18'-0"
118+26, RT	117+70, RT	R5-1-3636	1		18	7'-0"	18'-0"
118+52, RT	118+59, RT	R1-1-3636	1		15	5'-0"	12'-0"
118+70, LT (IN ISLAND)	118+53, LT	R6-1L-3612 R6-1R-3612 R1-1-3636		1	15	8'-6" 8'-6" 5'-6"	2' BACK OF CURB
RAMP B*							
150+88, RT	151+22, RT	R5-1100-4860		1	20 20	7'-0"	18'-0"
152+12, RT	153+15, RT	R-8-3-2430	1		18	7'-0"	18'-0"
155+48, RT	155+50, RT	R-8-3a-1818	1		17	7'-0"	18'-0"
158+24, RT	158+30, RT	R-8-3a-1818	1		17	7'-0"	18'-0"
159+99, LT	156+00, LT	"RESTORATION AREA" SIGN	1		16	5'-0"	18'-0"
RAMP C*							
828+90, LT	204+00, RT	W13-3-4860		1	20 20	7'-0"	18'-0"
213+31, LT	213+00, RT	W3-1A-36	1		20	7'-0"	18'-0"
220+04, LT	220+00, RT	R5-9-3624	1		17	7'-0"	18'-0"
220+23, LT	220+00, LT	R5-9-3624	1		17	7'-0"	18'-0"
220+46, LT	220+60, LT	R5-1-3636	1		18	7'-0"	18'-0"
220+49, LT	220+60, RT	R5-1-3636	1		18	7'-0"	18'-0"
220+90, LT	221+00, RT	R1-1-3636	1		15	5'-0"	12'-0"
221+28, LT (IN ISLAND)	221+19, RT	R6-1L-3612 R6-1R-3612 R1-1-3636		1	15	8'-6" 8'-6" 5'-6"	2' BACK OF CURB
RAMP D*							
215+12, LT	251+22, RT	R5-1100-4860		1	20 20	7'-0"	18'-0"
252+28, RT	252+30, RT	R-8-3-2430	1		18	7'-0"	18'-0"
258+18, RT	258+20, RT	R-8-3a-1818	1		17	7'-0"	18'-0"
TOTALS			19	13	658		

* EXISTING LOCATIONS ON THE RAMPS ARE BASED ON PROPOSED RAMP STATIONING.

SCHEDULE FOR RELOCATE SIGN PANEL - TYPE 3										
EXISTING LOCATION	PROPOSED LOCATION	SIGN DESCRIPTION	SIGN SIZE	EDGE OF PAVEMENT TO EDGE OF SIGN	HEIGHT ABOVE EDGE OF PAVEMENT	QUANTITIES				
						CONCRETE FOUNDATION (CU. YD.) 73400100	RELOCATE GROUND-MOUNTED SIGN SUPPORT (EACH) 73502000	RELOCATE SIGN PANEL-TYPE 3 (SQ. FT.) 72400730	REMOVE CONCRETE FOUNDATION-GROUND MOUNT (EACH) 73700200	WOOD SIGN SUPPORT (FOOT) 73000100
F.A.I. 80										
804+22, RT	801+55, RT	SS-1	10'-6" X 12'-0"	35'-0"	5'-0"	1.40	2	126.0	2	
810+95, RT	808+16, RT	E5-1A-9060	7'-6" X 5'-0"	12'-0"	7'-0"			37.5		18' 18'
828+05, LT	833+18, LT	E5-1A-9060	7'-6" X 5'-0"	12'-0"	7'-0"			37.5		18' 18'
834+04, LT	839+78, LT	SS-2 SS-2A	10'-6" X 7'-0" 9'-6" X 2'-0"	35'-0"	5'-0" 12'-0"	1.40	2	92.5	2	
F.A.P. 623 (SENECA ROAD)										
12+45, RT	11+80, RT	SS-3	14'-0" X 12'-0"	18'-0"	7'-0"	3.80	2	168.0	2	
15+74, LT	15+27, LT	SS-4	10'-0" X 8'-6"	18'-0"	7'-0"	2.36	2	85.0	2	
23+36, RT	23+17, RT	SS-5	8'-6" X 7'-0"	18'-0"	7'-0"	2.36	2	59.5	2	
26+54, LT	26+50, LT	SS-6	14'-0" X 12'-0"	18'-0"	7'-0"	3.80	2	168.0	2	
RAMP A*										
114+50, RT	114+50, RT	SS-7	8'-6" X 3'-0"	18'-0"	7'-0"	1.40	2	25.5	2	
RAMP C*										
216+46, LT	215+68, RT	SS-8	8'-6" X 3'-0"	18'-0"	7'-0"	1.40	2	25.5	2	
TOTALS						18	16	825	16	72

* EXISTING LOCATIONS ON THE RAMPS ARE BASED ON PROPOSED RAMP STATIONING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 SCHEDULE OF QUANTITIES

SCALE: N.T.S.
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	29

F.A.P. 623 (SENECA ROAD) ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 0+00.00	1,717,653.3840	922,779.4720
P.O.T. STA. 16+86.99	1,715,967.1798	922,830.9416
P.O.T. STA. 18+18.49	1,715,835.7420	922,834.9861
P.O.T. STA. 45+00.14	1,713,155.3240	922,916.1407

PROPOSED FRONTAGE ROAD ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 300+00.00	1,717,361.5800	922,788.3790
P.I. CURVE F-1	1,717,376.1475	923,265.6856
P.C. F-1 STA. 301+54.89	1,717,366.3050	922,943.1960
P.T. F-1 STA. 306+61.32	1,717,053.6390	923,274.8880
P.I. CURVE F-2	1,716,301.7476	923,296.3410
P.C. F-2 STA. 312+55.49	1,716,459.7140	923,291.8340
P.T. F-2 STA. 315+49.31	1,716,208.6720	923,424.0540
P.I. CURVE F-3	1,715,893.5318	923,856.4736
P.C. F-3 STA. 318+72.83	1,716,018.1270	923,685.5100
P.T. F-3 STA. 322+83.54	1,715,885.3190	924,067.8620
P.I. CURVE F-4	1,715,847.7548	925,034.6555
P.C. F-4 STA. 331+63.42	1,715,851.1580	924,947.0720
P.T. F-4 STA. 333+38.6	1,715,849.1510	925,122.2940
P.O.T. STA. 334+00.00	1,715,850.1280	925,183.6080

F.A.I. 80 ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 773+78.37	1,715,637.8922	918,266.7681
P.O.T. STA. 819+51.05	1,715,704.3022	922,838.9657
P.O.T. STA. 859+51.05	1,715,762.3950	926,838.5438

PROPOSED RAMP D ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 250+00.00	1,716,308.4402	922,820.5250
P.I. CURVE D-1	1,715,775.2331	921,958.8158
P.C. D-1 255+02.72	1,716,043.9162	922,393.0312
P.T. D-1 265+00.88	1,715,757.6094	921,448.4992
P.O.T. STA. 276+50.89	1,715,717.9177	920,299.1761
P.O.T. STA. 279+25.94	1,715,708.4244	920,024.2859

PROPOSED RAMP A ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 98+96.88	1,715,631.7366	920,941.4572
P.O.T. STA. 100+00.00	1,715,627.7324	921,044.4973
P.I. CURVE A-1	1,715,587.7059	922,074.4960
P.C. A-1 STA. 108+00.00	1,715,596.6673	921,843.8931
P.T. A-1 STA. 112+53.58	1,715,478.4185	922,277.7550
P.O.T. STA. 119+09.21	1,715,167.9380	922,855.2050

PROPOSED DRIVEWAY ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 400+00.00	1,714,648.3600	922,763.7210
P.I. CURVE DV-1	1,714,408.6303	922,788.1923
P.C. DV-1 STA. 401+85.12	1,714,464.2002	922,782.5198
P.T. DV-1 STA. 402+75.08	1,714,410.3207	922,844.0254
P.O.T. STA. 403+09.18	1,714,411.3527	922,878.1121

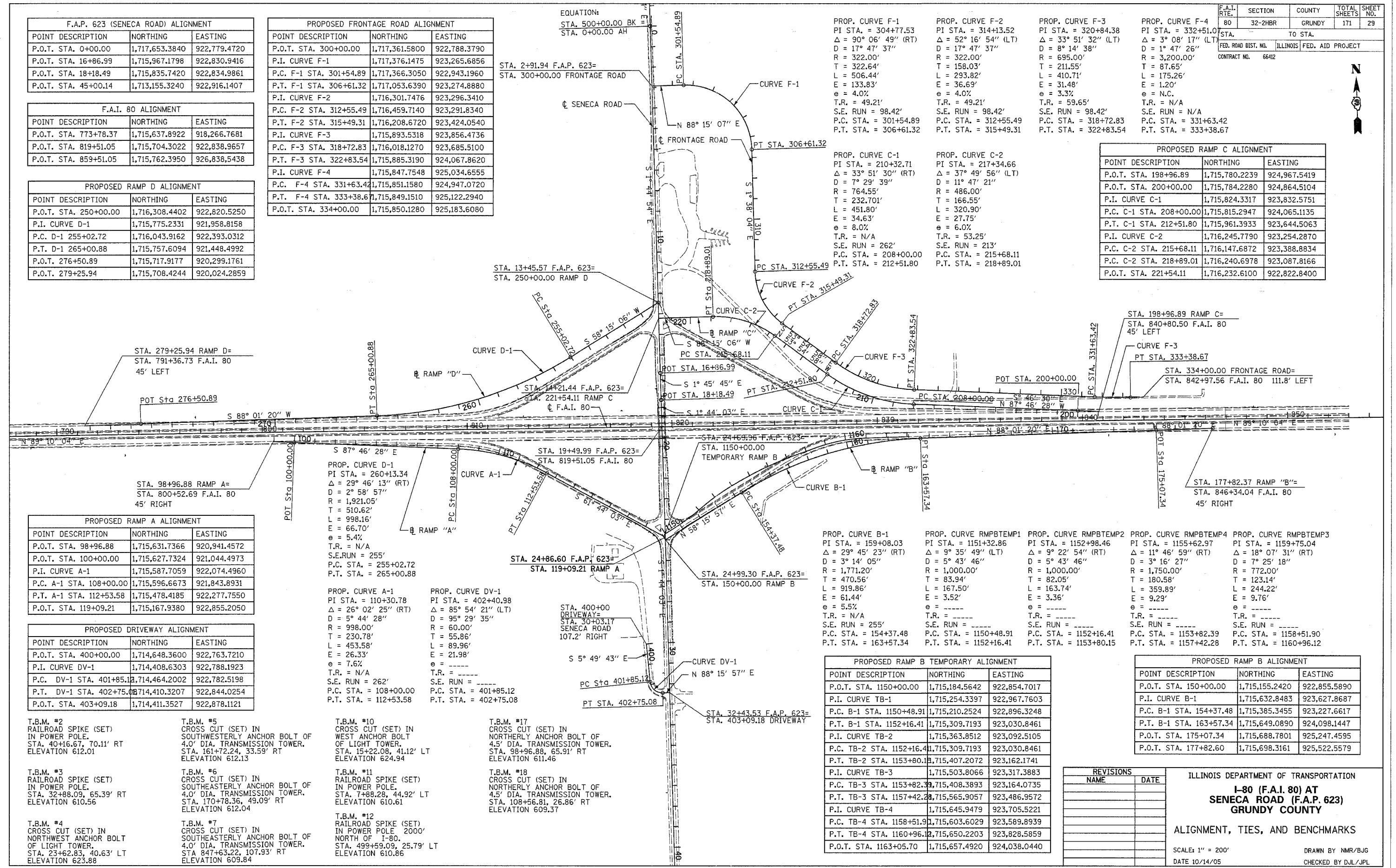
- T.B.M. #2 RAILROAD SPIKE (SET) IN POWER POLE. STA. 40+16.67, 70.11' RT ELEVATION 612.01
- T.B.M. #3 RAILROAD SPIKE (SET) IN POWER POLE. STA. 32+88.09, 65.39' RT ELEVATION 610.56
- T.B.M. #4 CROSS CUT (SET) IN NORTHWEST ANCHOR BOLT OF LIGHT TOWER. STA. 23+62.83, 40.63' LT ELEVATION 623.88
- T.B.M. #5 CROSS CUT (SET) IN SOUTHWESTERLY ANCHOR BOLT OF 4.0' DIA. TRANSMISSION TOWER. STA. 161+72.24, 33.59' RT ELEVATION 612.13
- T.B.M. #6 CROSS CUT (SET) IN SOUTHEASTERLY ANCHOR BOLT OF 4.0' DIA. TRANSMISSION TOWER. STA. 170+78.36, 49.09' RT ELEVATION 612.04
- T.B.M. #7 CROSS CUT (SET) IN SOUTHEASTERLY ANCHOR BOLT OF 4.0' DIA. TRANSMISSION TOWER. STA. 847+63.22, 107.93' RT ELEVATION 609.84
- T.B.M. #10 CROSS CUT (SET) IN WEST ANCHOR BOLT OF LIGHT TOWER. STA. 15+22.08, 41.12' LT ELEVATION 624.94
- T.B.M. #11 RAILROAD SPIKE (SET) IN POWER POLE. STA. 7+88.28, 44.92' LT ELEVATION 610.61
- T.B.M. #12 RAILROAD SPIKE (SET) IN POWER POLE 2000' NORTH OF I-80. STA. 499+59.09, 25.79' LT ELEVATION 610.86
- T.B.M. #17 CROSS CUT (SET) IN NORTHERLY ANCHOR BOLT OF 4.5' DIA. TRANSMISSION TOWER. STA. 98+96.88, 65.91' RT ELEVATION 611.46
- T.B.M. #18 CROSS CUT (SET) IN NORTHERLY ANCHOR BOLT OF 4.5' DIA. TRANSMISSION TOWER. STA. 108+56.81, 26.86' RT ELEVATION 609.37

EQUATION:
 STA. 500+00.00 BK
 STA. 0+00.00 AH

PROP. CURVE F-1	PROP. CURVE F-2	PROP. CURVE F-3	PROP. CURVE F-4
PI STA. = 304+77.53	PI STA. = 314+13.52	PI STA. = 320+84.38	PI STA. = 332+51.05
Δ = 90° 06' 49" (RT)	Δ = 52° 16' 54" (LT)	Δ = 33° 51' 32" (LT)	Δ = 3° 08' 17" (LT)
D = 17° 47' 37"	D = 17° 47' 37"	D = 8° 14' 38"	D = 1° 47' 26"
R = 322.00'	R = 322.00'	R = 695.00'	R = 3,200.00'
T = 322.64'	T = 158.03'	T = 211.55'	T = 87.65'
L = 506.44'	L = 293.82'	L = 410.71'	L = 175.26'
E = 133.83'	E = 36.69'	E = 31.48'	E = 1.20'
e = 4.0%	e = 4.0%	e = 3.3%	e = N.C.
T.R. = 49.21'	T.R. = 49.21'	T.R. = 59.65'	T.R. = N/A
S.E. RUN = 98.42'	S.E. RUN = 98.42'	S.E. RUN = 98.42'	S.E. RUN = N/A
P.C. STA. = 301+54.89	P.C. STA. = 312+55.49	P.C. STA. = 318+72.83	P.C. STA. = 331+63.42
P.T. STA. = 306+61.32	P.T. STA. = 315+49.31	P.T. STA. = 322+83.54	P.T. STA. = 333+38.67

PROP. CURVE C-1	PROP. CURVE C-2
PI STA. = 210+32.71	PI STA. = 217+34.66
Δ = 33° 51' 30" (RT)	Δ = 37° 49' 56" (LT)
D = 7° 29' 39"	D = 11° 47' 21"
R = 764.55'	R = 486.00'
T = 232.701'	T = 166.55'
L = 451.80'	L = 320.90'
E = 34.63'	E = 27.75'
e = 8.0%	e = 6.0%
T.R. = N/A	T.R. = 53.25'
S.E. RUN = 262'	S.E. RUN = 213'
P.C. STA. = 208+00.00	P.C. STA. = 215+68.11
P.T. STA. = 212+51.80	P.T. STA. = 218+89.01

PROPOSED RAMP C ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 198+96.89	1,715,780.2239	924,967.5419
P.O.T. STA. 200+00.00	1,715,784.2280	924,864.5104
P.I. CURVE C-1	1,715,824.3317	923,832.5751
P.C. C-1 STA. 208+00.00	1,715,815.2947	924,065.1135
P.T. C-1 STA. 212+51.80	1,715,961.3933	923,644.5063
P.I. CURVE C-2	1,716,245.7790	923,254.2870
P.C. C-2 STA. 215+68.11	1,716,147.6872	923,388.8834
P.C. C-2 STA. 218+89.01	1,716,240.6978	923,087.8166
P.O.T. STA. 221+54.11	1,716,232.6100	922,822.8400



PROP. CURVE B-1	PROP. CURVE RMPBTEMP1	PROP. CURVE RMPBTEMP2	PROP. CURVE RMPBTEMP4	PROP. CURVE RMPBTEMP3
PI STA. = 159+08.03	PI STA. = 1151+32.86	PI STA. = 1152+98.46	PI STA. = 1155+62.97	PI STA. = 1159+75.04
Δ = 29° 45' 23" (RT)	Δ = 9° 35' 49" (LT)	Δ = 9° 22' 54" (RT)	Δ = 11° 46' 59" (RT)	Δ = 18° 07' 31" (RT)
D = 3° 14' 05"	D = 5° 43' 46"	D = 5° 43' 46"	D = 5° 43' 46"	D = 3° 16' 27"
R = 1,771.20'	R = 1,000.00'	R = 1,000.00'	R = 1,750.00'	R = 772.00'
T = 470.56'	T = 83.94'	T = 82.05'	T = 180.58'	T = 123.14'
L = 919.86'	L = 167.50'	L = 167.50'	L = 359.89'	L = 244.22'
E = 61.44'	E = 3.52'	E = 3.36'	E = 9.29'	E = 9.76'
e = 5.5%	e = 5.5%	e = 5.5%	e = 5.5%	e = 5.5%
T.R. = N/A	T.R. = N/A	T.R. = N/A	T.R. = N/A	T.R. = N/A
S.E. RUN = 255'	S.E. RUN = 255'	S.E. RUN = 255'	S.E. RUN = 255'	S.E. RUN = 255'
P.C. STA. = 154+37.48	P.C. STA. = 1150+48.91	P.C. STA. = 1152+16.41	P.C. STA. = 1153+82.39	P.C. STA. = 1158+51.90
P.T. STA. = 163+57.34	P.T. STA. = 1152+16.41	P.T. STA. = 1153+80.15	P.T. STA. = 1157+42.28	P.T. STA. = 1160+96.12

PROPOSED RAMP B TEMPORARY ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 1150+00.00	1,715,184.5642	922,854.7017
P.I. CURVE TB-1	1,715,254.3397	922,967.7603
P.C. B-1 STA. 1150+48.91	1,715,210.2524	922,896.3248
P.T. B-1 STA. 1152+16.41	1,715,309.7193	923,030.8461
P.I. CURVE TB-2	1,715,363.8512	923,092.5105
P.C. TB-2 STA. 1152+16.41	1,715,309.7193	923,030.8461
P.T. TB-2 STA. 1153+80.15	1,715,407.2072	923,162.1741
P.I. CURVE TB-3	1,715,503.8066	923,317.3883
P.C. TB-3 STA. 1153+82.39	1,715,408.3893	923,164.0735
P.T. TB-3 STA. 1157+42.28	1,715,565.9057	923,486.9572
P.I. CURVE TB-4	1,715,645.9479	923,705.5221
P.C. TB-4 STA. 1158+51.90	1,715,603.6029	923,589.8939
P.T. TB-4 STA. 1160+96.12	1,715,650.2203	923,828.5859
P.O.T. STA. 1163+05.70	1,715,657.4920	924,038.0440

PROPOSED RAMP B ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 150+00.00	1,715,155.2420	922,855.5890
P.I. CURVE B-1	1,715,632.8483	923,627.8687
P.C. B-1 STA. 154+37.48	1,715,385.3455	923,227.6617
P.T. B-1 STA. 163+57.34	1,715,649.0890	924,098.1447
P.O.T. STA. 175+07.34	1,715,688.7801	925,247.4595
P.O.T. STA. 177+82.60	1,715,698.3161	925,522.5579

REVISIONS	
NAME	DATE

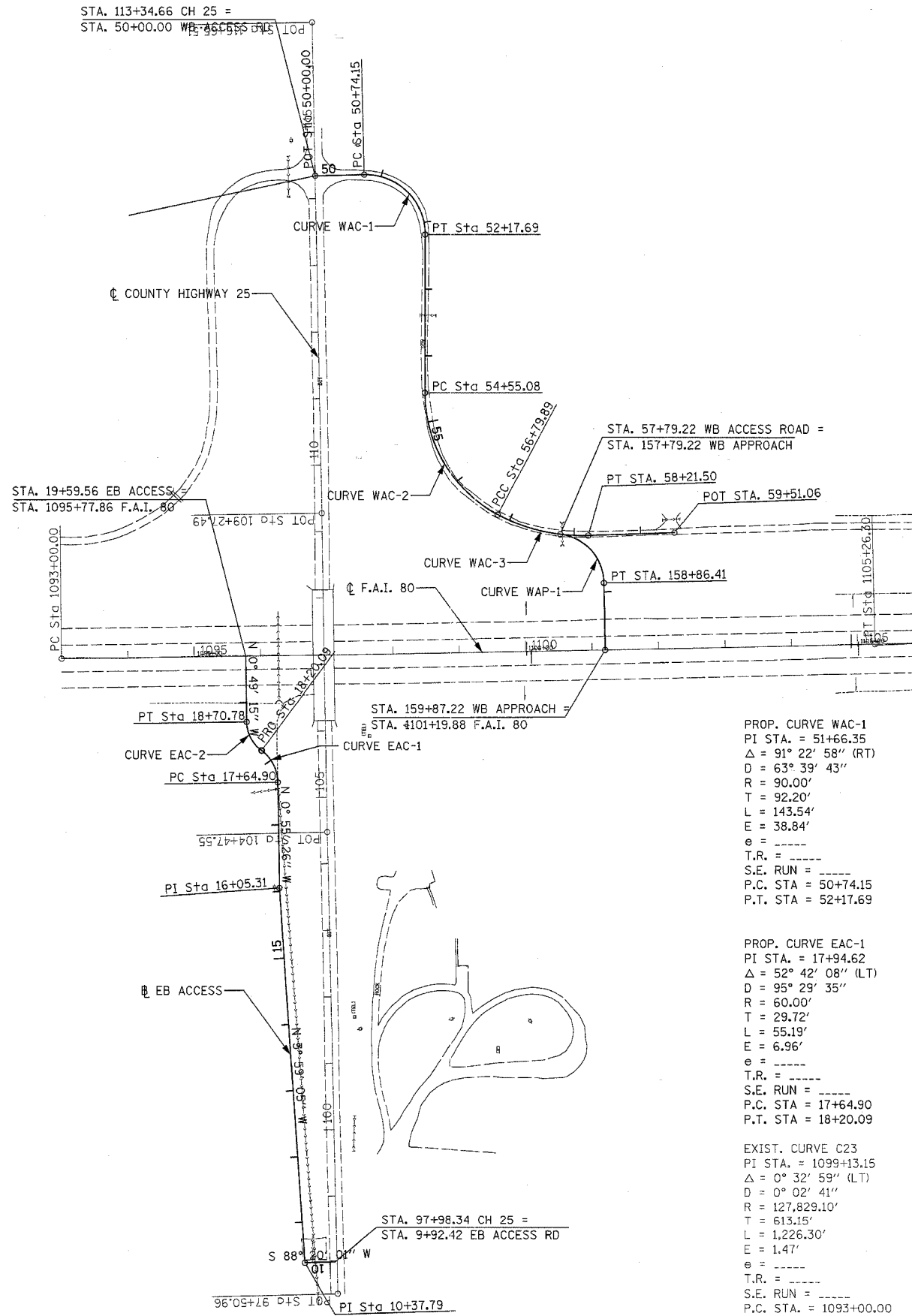
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 ALIGNMENT, TIES, AND BENCHMARKS
 SCALE: 1" = 200'
 DATE 10/14/05
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				

PROPOSED WESTBOUND ACCESS ROAD ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 50+00.00	1,716,119.9121	907,444.5742
P.I. CURVE WAC-1	1,716,124.0102	907,610.8695
P.C. WAC-1 STA. 50+74.15	1,716,121.7388	907,518.6989
P.T. WAC-1 STA. 52+17.69	1,716,031.8117	907,610.9162
P.I. CURVE WAC-2	1,715,669.6275	907,611.0995
P.C. WAC-2 STA. 54+55.08	1,715,794.4244	907,611.0363
P.T. WAC-2 STA. 56+79.89	1,715,610.9529	907,721.2429
P.I. CURVE WAC-3	1,715,576.8805	907,785.2033
P.C. WAC-3 STA. 56+79.89	1,715,610.9529	907,721.2429
P.T. WAC-3 STA. 58+21.50	1,715,579.3733	907,857.6301
P.O.T. STA. 59+51.06	1,715,583.8299	907,987.1158

PROPOSED WESTBOUND APPROACH ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.I. CURVE WAP-1	1,715,573.2719	907,880.0140
P.C. WAP-1 STA. 157+79.22	1,715,581.1934	907,815.4261
P.T. WAP-1 STA. 158+86.41	1,715,508.2125	907,881.2819
P.O.T. STA. 159+87.22	1,715,407.4289	907,883.2459

PROPOSED EASTBOUND ACCESS ROAD ALIGNMENT		
POINT DESCRIPTION	NORTHING	EASTING
P.O.T. STA. 10+00.00	1,714,483.9314	907,476.8716
P.I. CURVE EAC-1	1,715,238.0463	907,389.0343
P.C. EAC-1 STA. 17+64.90	1,715,208.3320	907,389.5135
P.R.C. EAC-1 STA. 18+20.09	1,715,255.6743	907,365.1045
P.I. CURVE EAC-2	1,715,271.8656	907,343.1194
P.R.C. EAC-2 STA. 18+20.09	1,715,255.6743	907,365.1045
P.T. EAC-2 STA. 18+70.78	1,715,299.1703	907,342.7281
P.O.T. STA. 19+69.56	1,715,397.9344	907,341.3130



PROP. CURVE WAC-1 PI STA. = 51+66.35 $\Delta = 91^\circ 22' 58''$ (RT) $D = 63^\circ 39' 43''$ $R = 90.00'$ $T = 92.20'$ $L = 143.54'$ $E = 38.84'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 50+74.15 P.T. STA = 52+17.69	PROP. CURVE WAC-2 PI STA. = 55+79.88 $\Delta = 61^\circ 55' 35''$ (LT) $D = 27^\circ 32' 46''$ $R = 208.00'$ $T = 124.80'$ $L = 224.81'$ $E = 34.57'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 54+55.08 P.T. STA = 56+79.89	PROP. CURVE WAC-3 PI STA. = 57+52.36 $\Delta = 30^\circ 00' 57''$ (LT) $D = 21^\circ 11' 47''$ $R = 270.31'$ $T = 72.47'$ $L = 141.61'$ $E = 9.55'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 56+79.89 P.T. STA = 58+21.50	PROP. CURVE WAP-1 PI STA. = 158+44.29 $\Delta = 81^\circ 53' 29''$ (RT) $D = 76^\circ 23' 40''$ $R = 75.00'$ $T = 65.07'$ $L = 107.20'$ $E = 24.29'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 157+79.22 P.T. STA = 158+86.41
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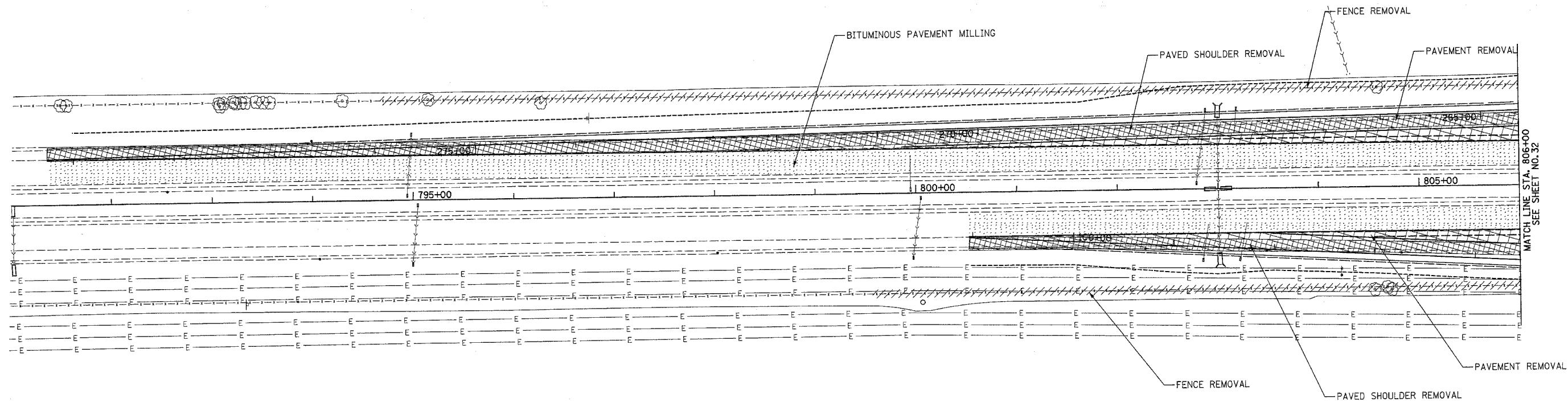
PROP. CURVE EAC-1 PI STA. = 17+94.62 $\Delta = 52^\circ 42' 08''$ (LT) $D = 95^\circ 29' 35''$ $R = 60.00'$ $T = 29.72'$ $L = 55.19'$ $E = 6.96'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 17+64.90 P.T. STA = 18+20.09	PROP. CURVE EAC-2 PI STA. = 18+47.40 $\Delta = 52^\circ 48' 18''$ (RT) $D = 104^\circ 10' 27''$ $R = 55.00'$ $T = 27.31'$ $L = 50.69'$ $E = 6.41'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA = 18+20.09 P.T. STA = 18+70.78
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EXIST. CURVE C23 PI STA. = 1099+13.15 $\Delta = 0^\circ 32' 59''$ (LT) $D = 0^\circ 02' 41''$ $R = 127,829.10'$ $T = 613.15'$ $L = 1,226.30'$ $E = 1.47'$ $e = \text{---}$ $T.R. = \text{---}$ $S.E. RUN = \text{---}$ P.C. STA. = 1093+00.00 P.T. STA. = 1105+26.30
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 ALIGNMENT, TIES, AND BENCHMARKS
 SCALE: 1" = 100'
 DATE 10/14/05
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		



LEGEND

- BITUMINOUS PAVEMENT MILLING
- PAVED SHOULDER REMOVAL
- FENCE REMOVAL
- TREE REMOVAL
- LIMITS OF CONSTRUCTION

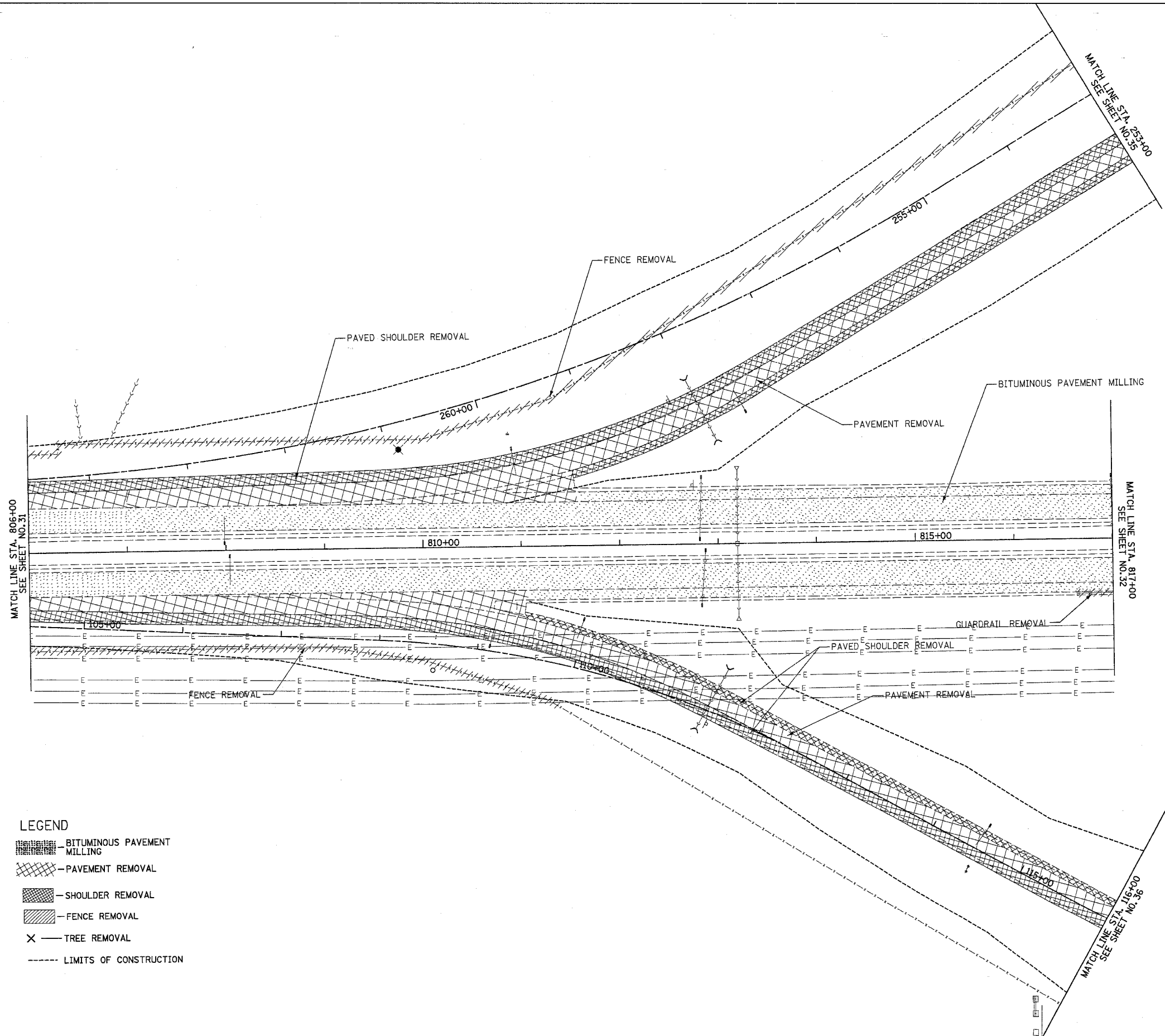
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 REMOVAL PLAN
 F.A.I. 80

SCALE: 1" = 50'
 DATE 08/16/04

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO.	66412			

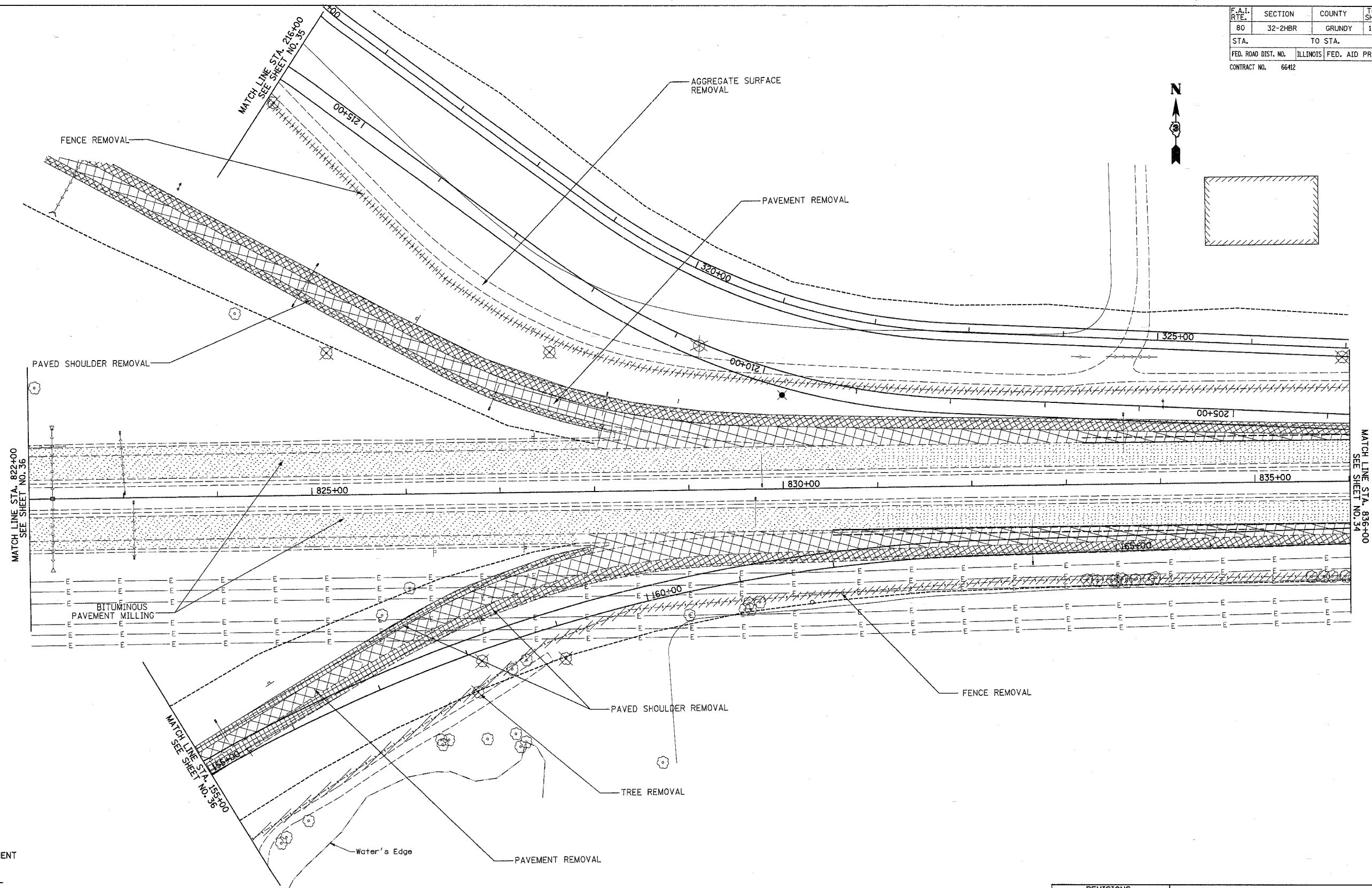
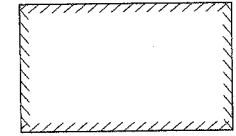


- LEGEND**
- BITUMINOUS PAVEMENT MILLING
 - PAVEMENT REMOVAL
 - SHOULDER REMOVAL
 - FENCE REMOVAL
 - TREE REMOVAL
 - LIMITS OF CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 REMOVAL PLAN
 RAMP A, RAMP D
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		



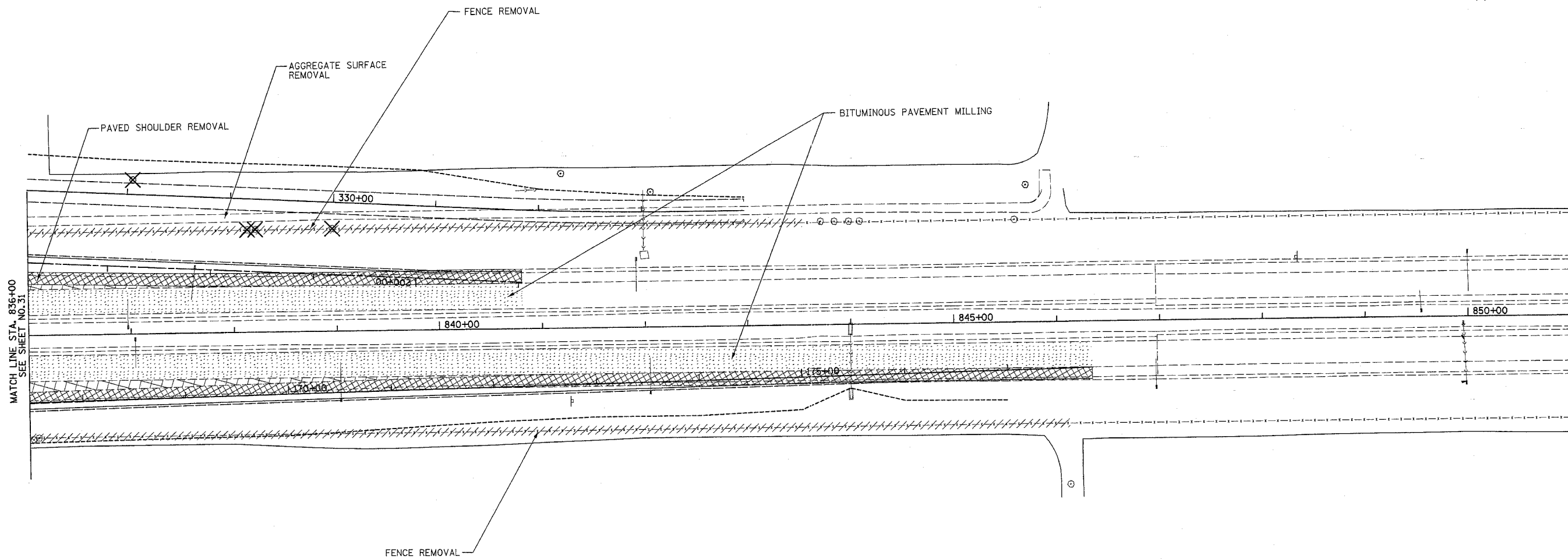
LEGEND

- BITUMINOUS PAVEMENT MILLING
- PAVEMENT REMOVAL
- SHOULDER REMOVAL
- FENCE REMOVAL
- TREE REMOVAL
- LIMITS OF CONSTRUCTION







REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 REMOVAL PLAN
 RAMP B, RAMP C, FRONTAGE RD
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 66412				



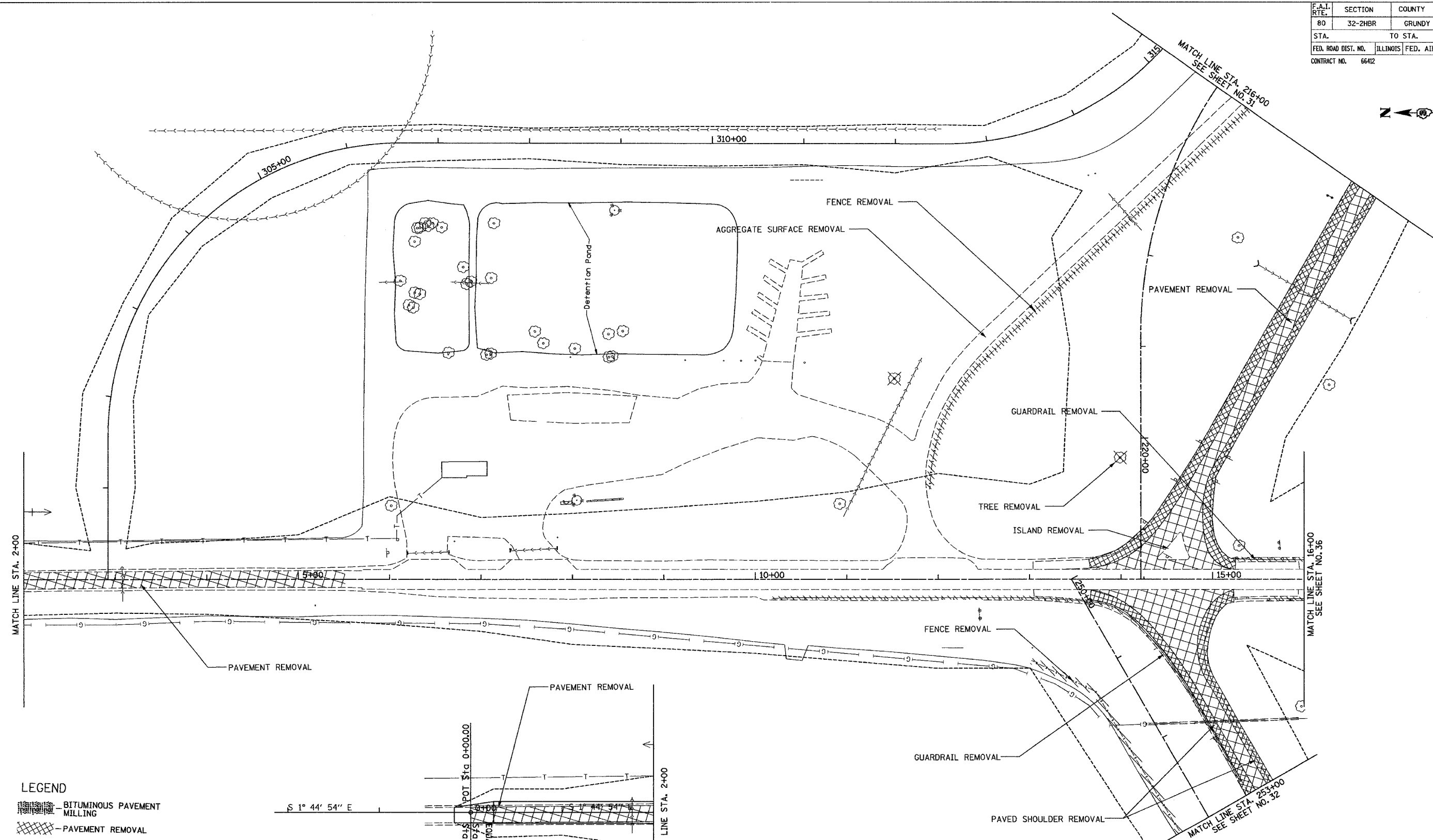
LEGEND

-  BITUMINOUS PAVEMENT MILLING
-  PAVEMENT REMOVAL
-  SHOULDER REMOVAL
-  FENCE REMOVAL
-  TREE REMOVAL
-  LIMITS OF CONSTRUCTION

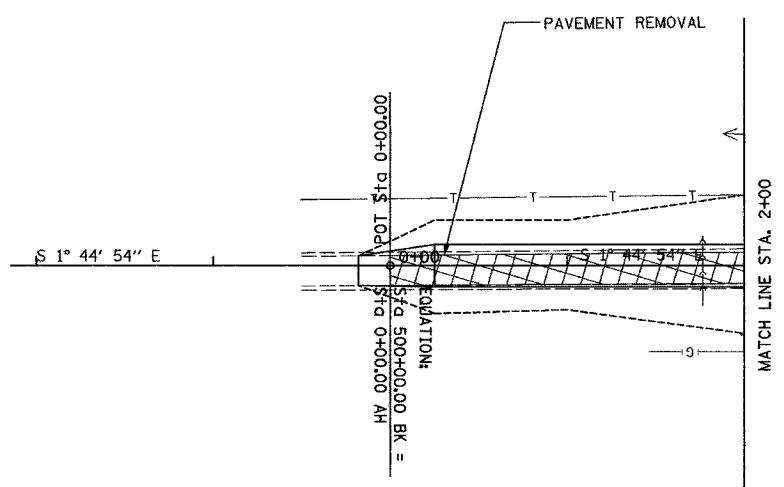
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 REMOVAL PLAN
 I-80, RAMP B, RAMP C
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	35
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 66412				



- LEGEND**
- BITUMINOUS PAVEMENT MILLING
 - PAVEMENT REMOVAL
 - SHOULDER REMOVAL
 - FENCE REMOVAL
 - TREE REMOVAL
 - LIMITS OF CONSTRUCTION



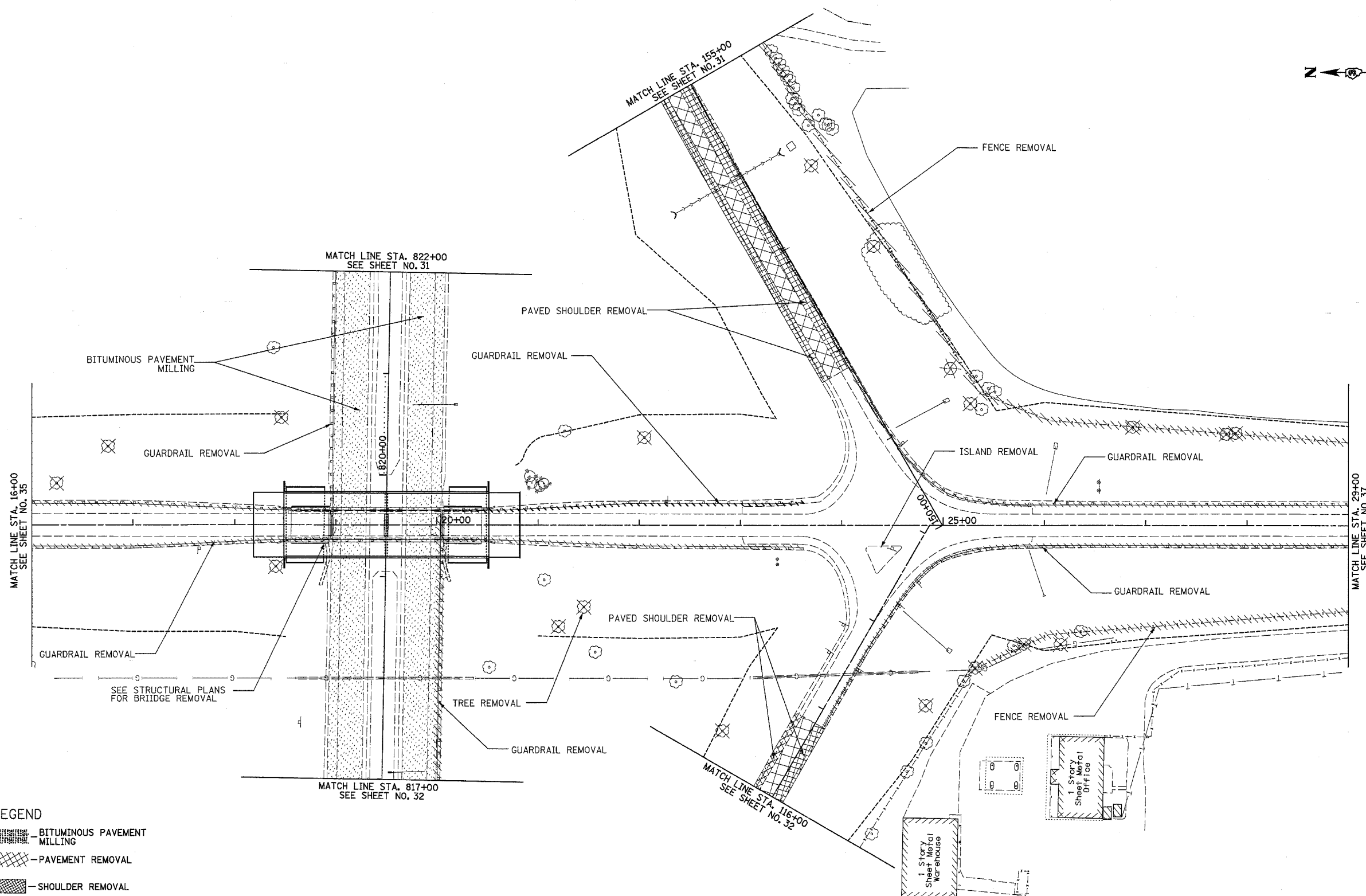
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 REMOVAL PLAN
 SENECA RD

SCALE: 1" = 50'
 DATE 08/16/04

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



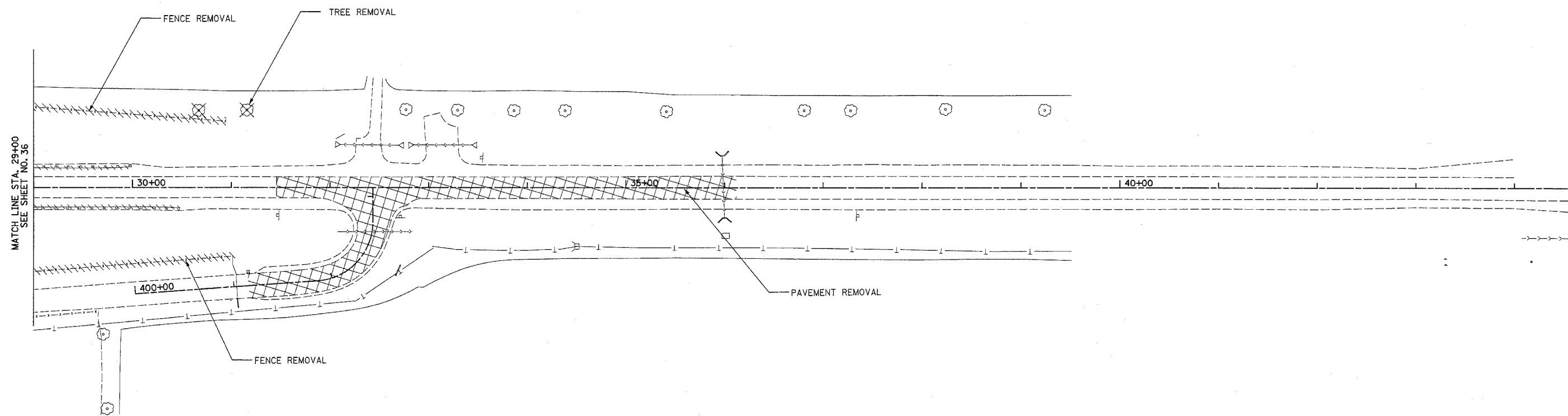
LEGEND

- BITUMINOUS PAVEMENT MILLING
- PAVEMENT REMOVAL
- SHOULDER REMOVAL
- FENCE REMOVAL
- TREE REMOVAL
- LIMITS OF CONSTRUCTION







REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
**REMOVAL PLAN
 SENECA RD**
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	37
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



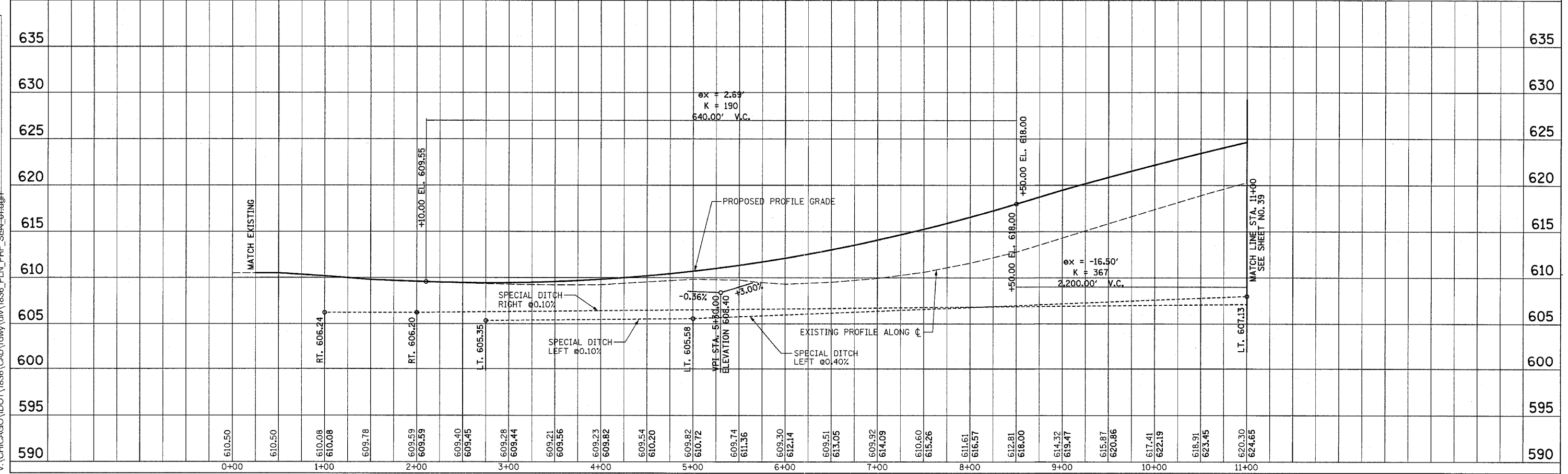
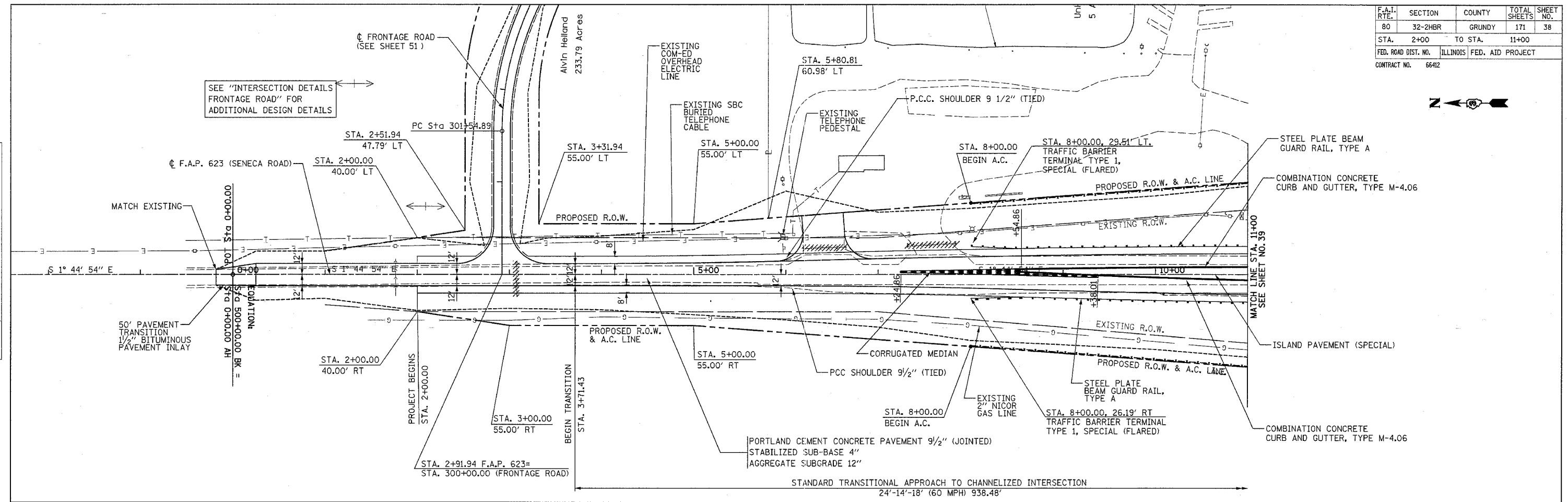
LEGEND

-  BITUMINOUS PAVEMENT MILLING
-  PAVEMENT REMOVAL
-  SHOULDER REMOVAL
-  FENCE REMOVAL
-  TREE REMOVAL
-  LIMITS OF CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 REMOVAL PLAN
 SENECA RD
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	38
STA. 2+00	TO STA. 11+00			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 66412				



DATE	BY	REVIEWED

PLAN

NO. OF WAY CHECKED

NO. OF PLAN CHECKED

NO. OF FILE NAME

DATE	BY	REVIEWED

PROFILE

NO. OF GRADES CHECKED

NO. OF NOTES

NO. OF SIGNATURE NOTATIONS

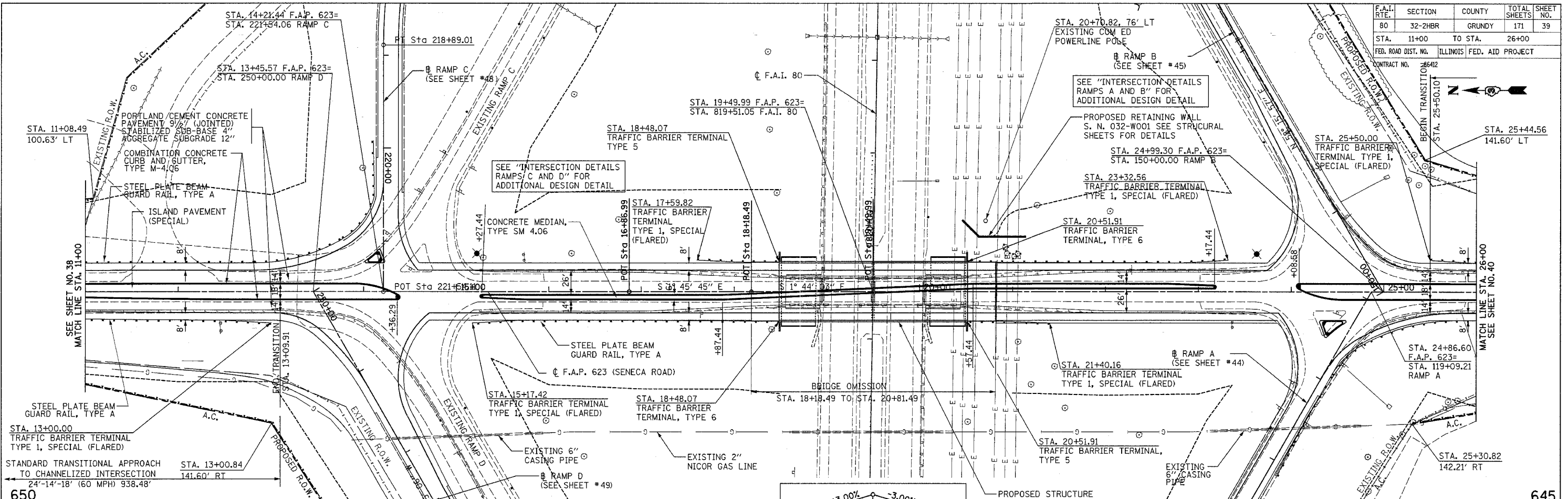
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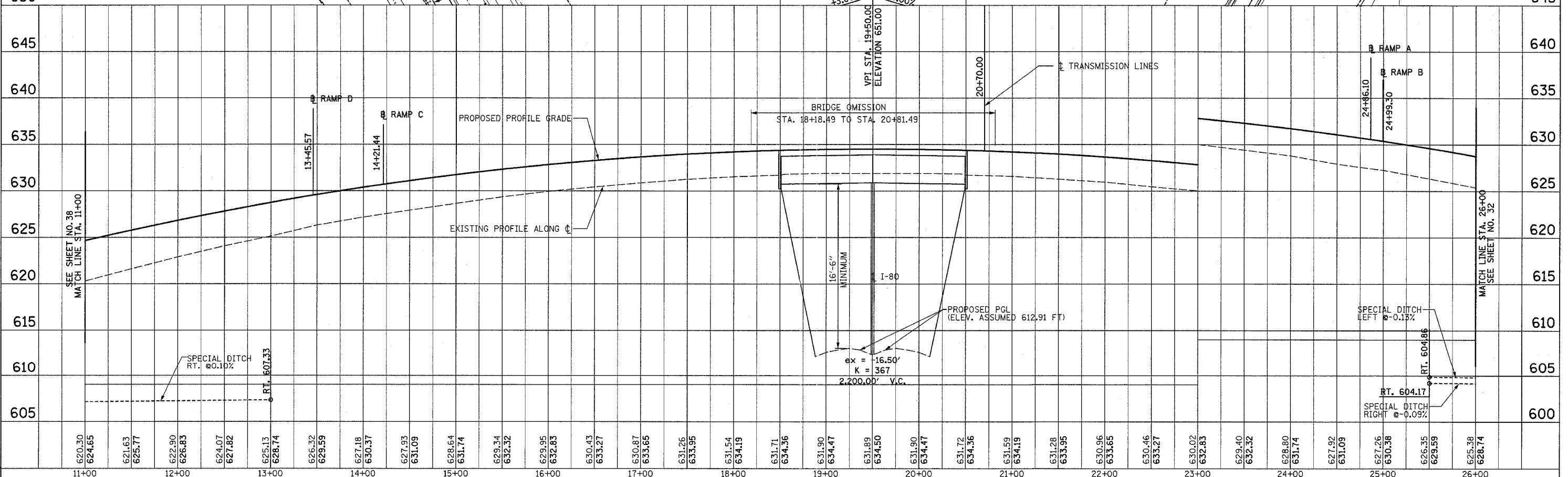
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	CHECKED		
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	NO. OF P.L. NO. CHECKED		
	NO. OF P.L. NO. CHECKED		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	NO. OF M.A. CHECKED		
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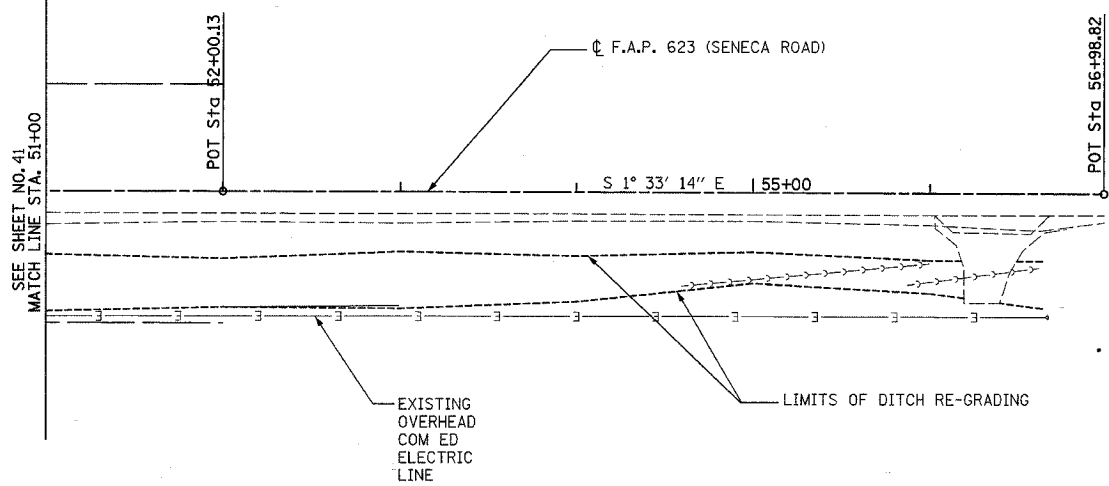


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	39
STA. 11+00		TO STA. 26+00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 6442		BEGIN TRANSITION STA. 25+50.10		



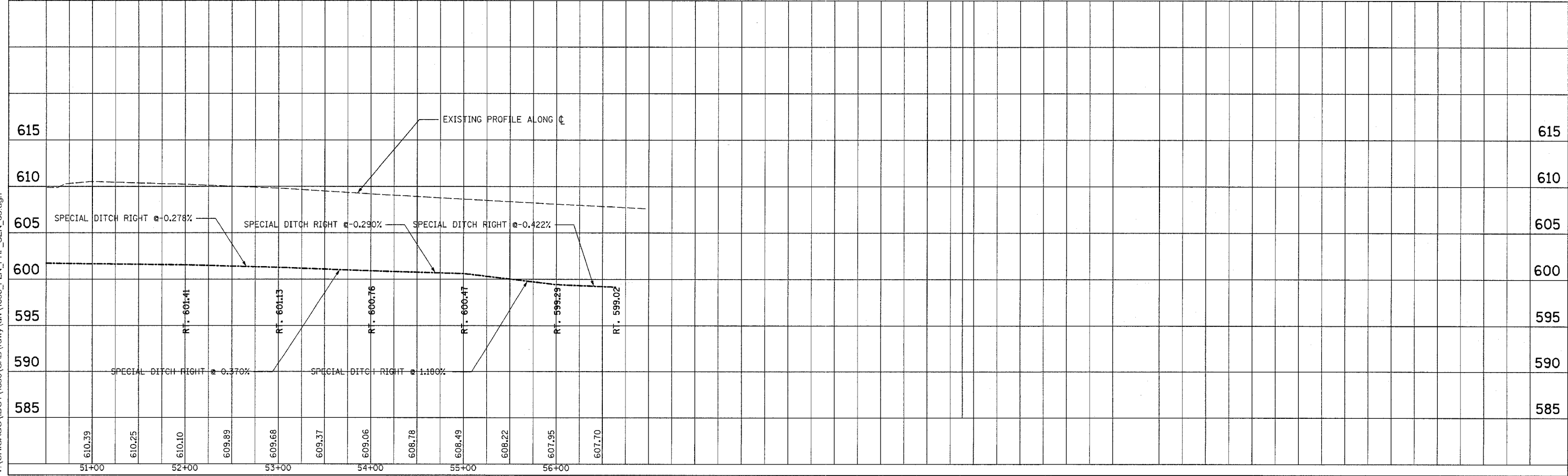
FAP ROUTE 623 (SENECA ROAD)

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	42
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



PLAN	DATE
BY	
SURVEYED	
ALIGNED	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
SURVEYED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NO.	



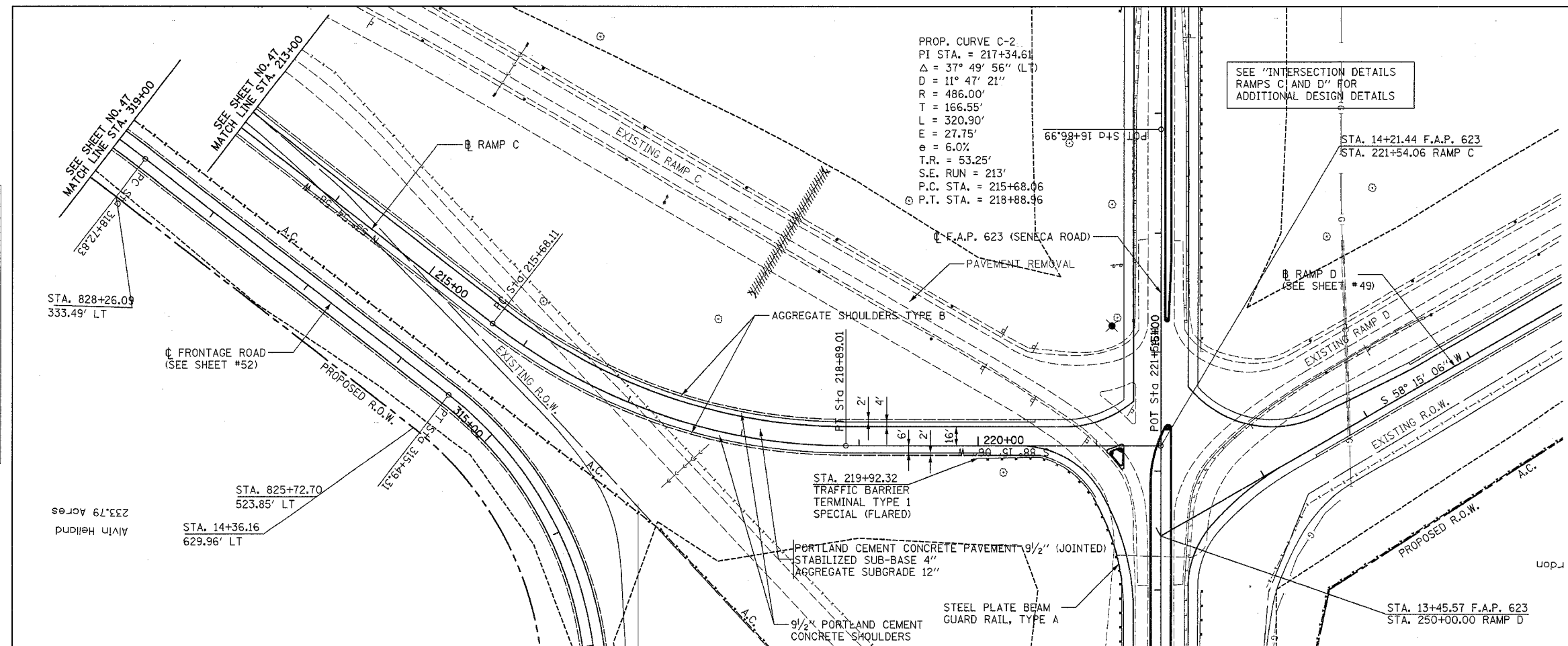
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FAP ROUTE 623 (SENECA ROAD)

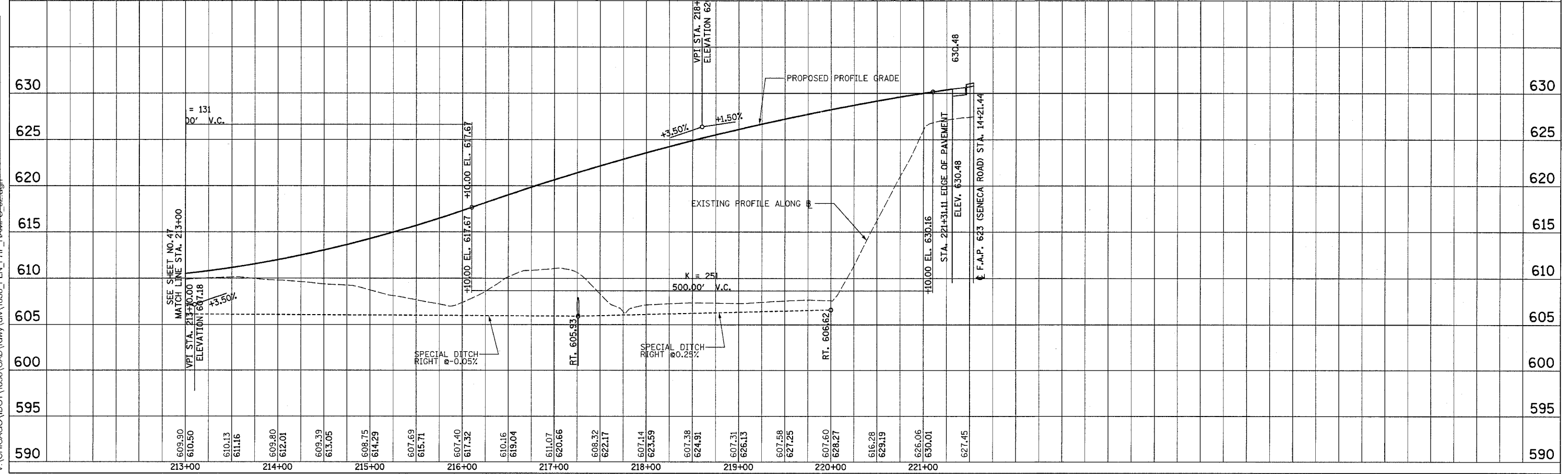
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		



PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
DATE		
FILE NAME		
NO.		



PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
STRUCTURE NOTATIONS OK'D		
NO.		
FILE NAME		
NO.		

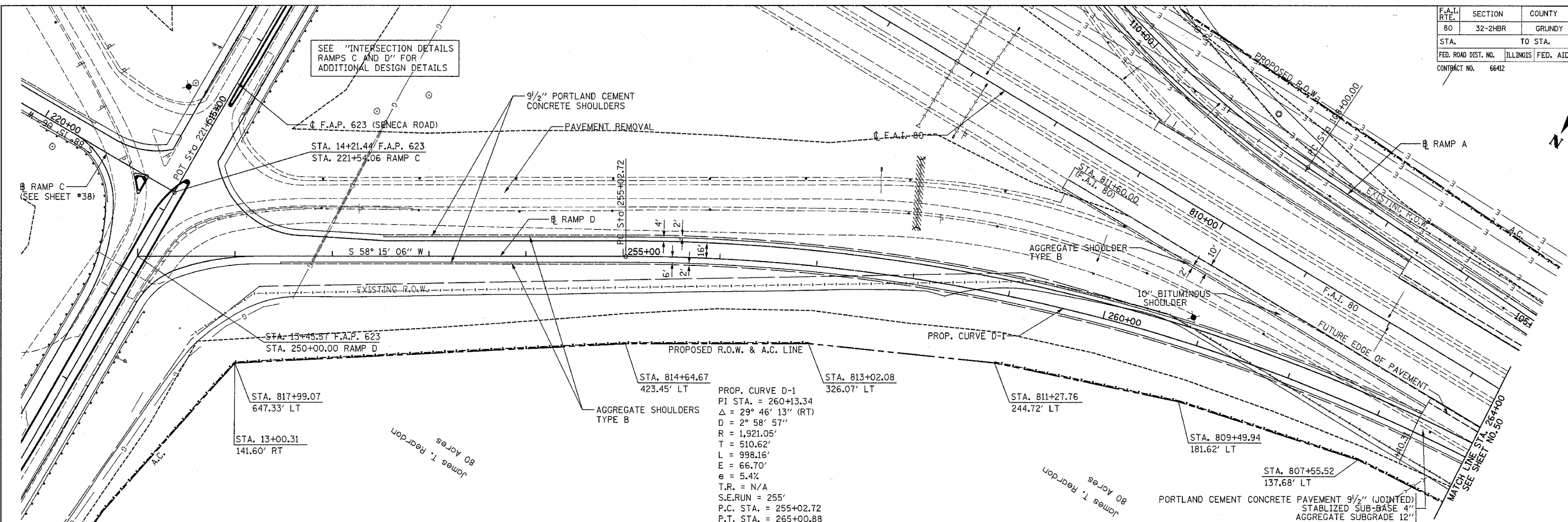


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PROPOSED RAMP C

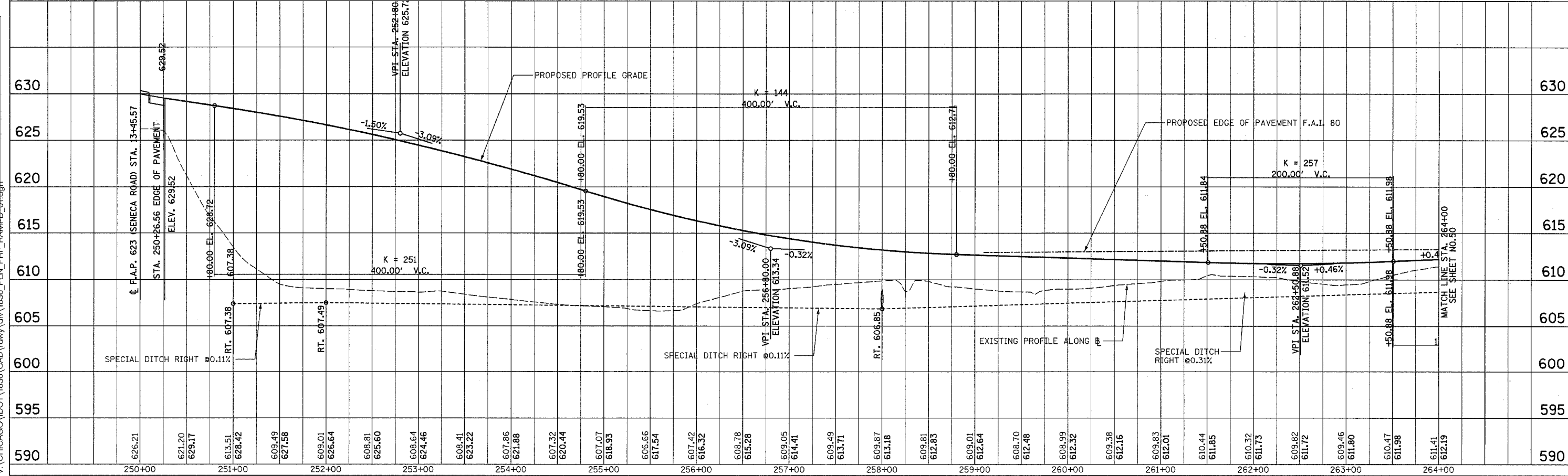
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66402		

SEE "INTERSECTION DETAILS RAMP C AND D" FOR ADDITIONAL DESIGN DETAILS



PLAN	NO.	DATE
SURVEYED		
ALIGNED		
CHECKED		
DATE		

PROFILE	NO.	DATE
SURVEYED		
GRADES CHECKED		
DATE		



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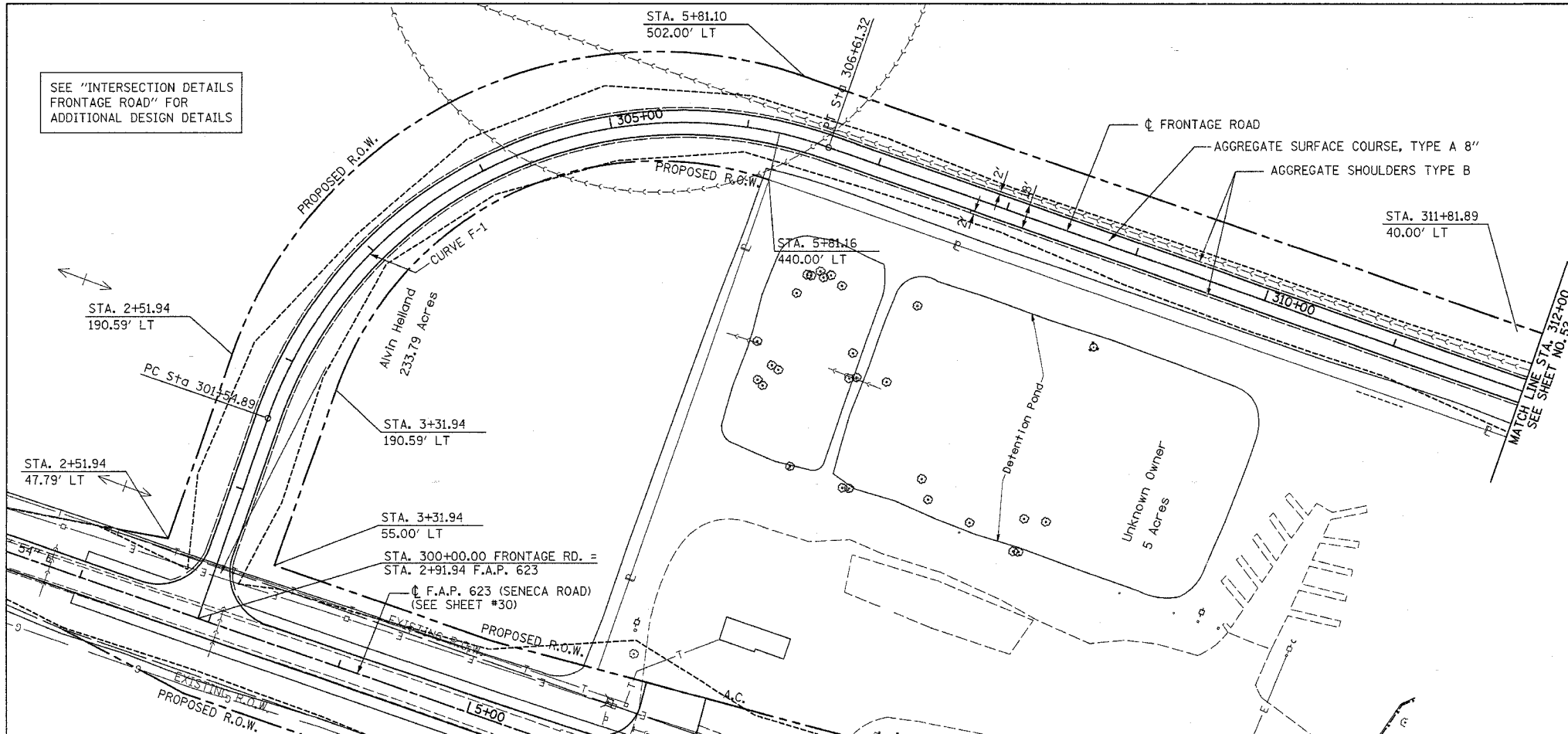
PROPOSED RAMP D

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		

PROP. CURVE F-1
 PI STA. = 304+77.53
 $\Delta = 90^\circ 06' 49''$ (RT)
 $D = 17^\circ 47' 37''$
 $R = 322.00'$
 $T = 322.64'$
 $L = 506.44'$
 $E = 133.83'$
 $e = 4.0\%$
 $T.R. = 49.21'$
 $S.E. RUN = 98.42'$
 $P.C. STA. = 301+54.89$
 $P.T. STA. = 306+61.32$

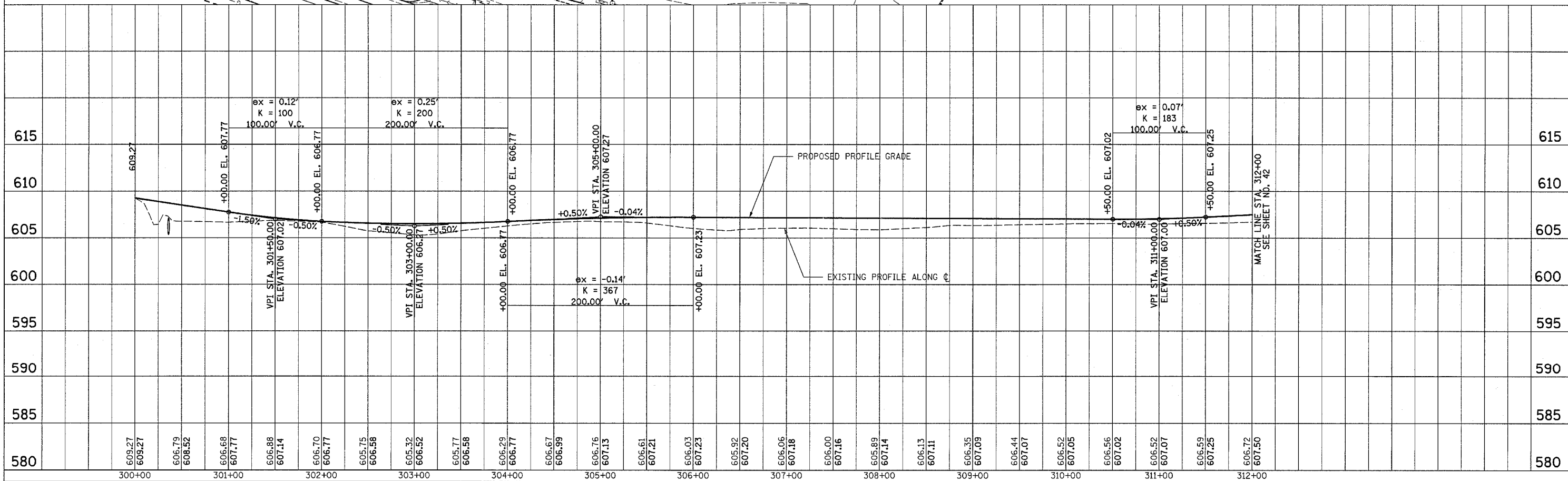


SEE "INTERSECTION DETAILS FRONTAGE ROAD" FOR ADDITIONAL DESIGN DETAILS



PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO. 1		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
NO. 1		



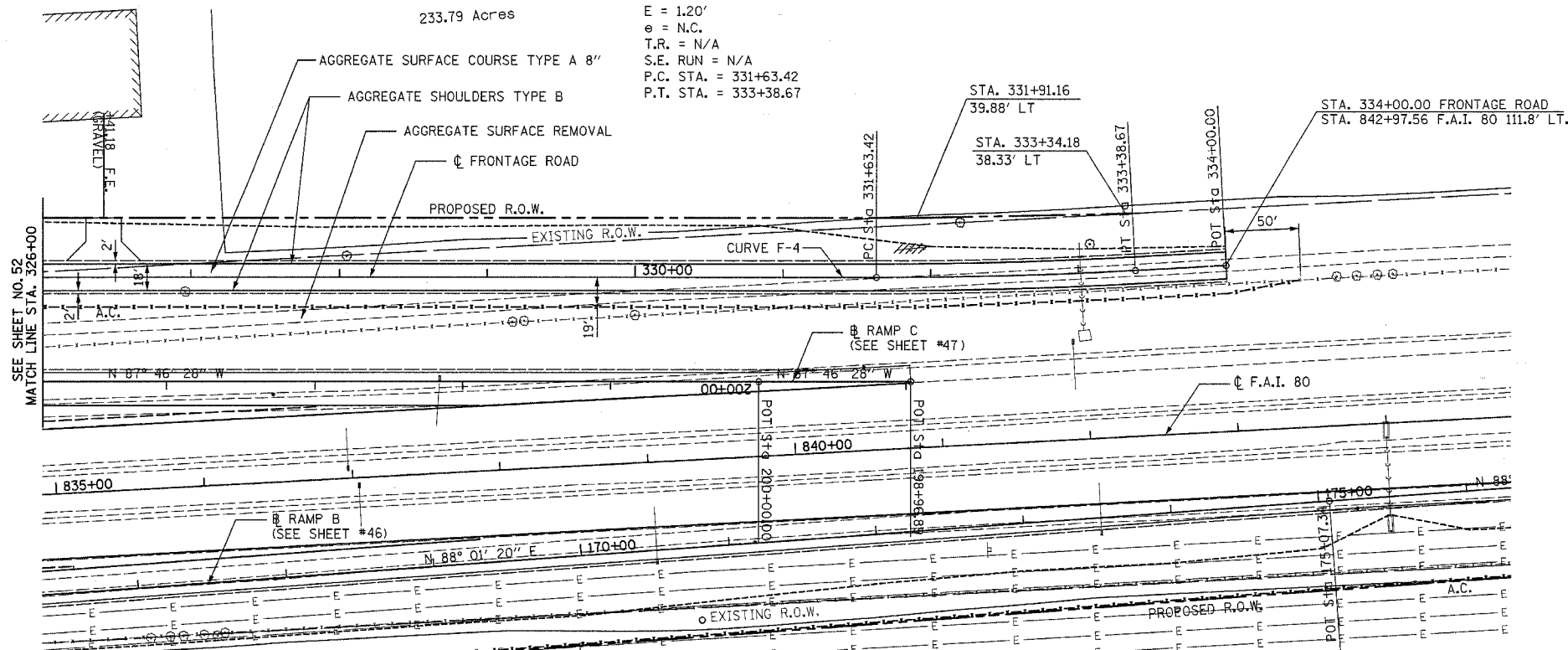
PROPOSED FRONTAGE ROAD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	53
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



PROP. CURVE F-4
 PI STA. = 332+51.07
 $\Delta = 3^\circ 08' 17''$ (LT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 87.65'$
 $L = 175.26'$
 $E = 1.20'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 331+63.42$
 $P.T. STA. = 333+38.67$

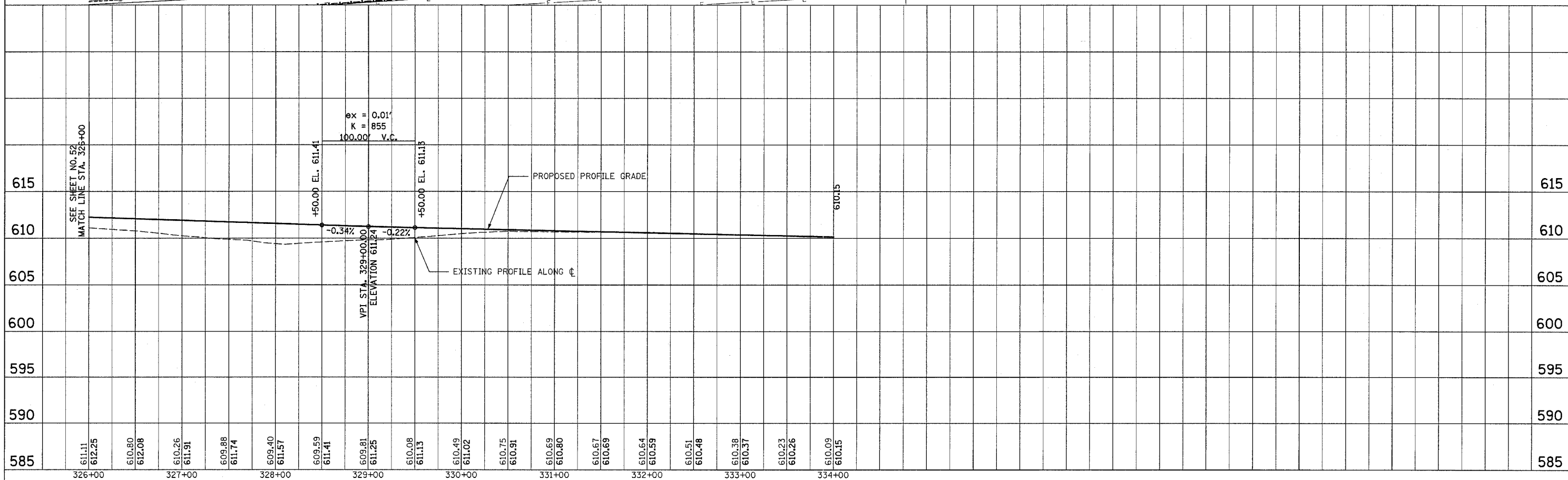
Alvin Helland
 233.79 Acres



PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO. OF W.A. CHECKED		
DATE		
NOTE BOOK NO.		
DATE		
BY		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
NO. OF W.A. CHECKED		
DATE		
NOTE BOOK NO.		
DATE		
BY		

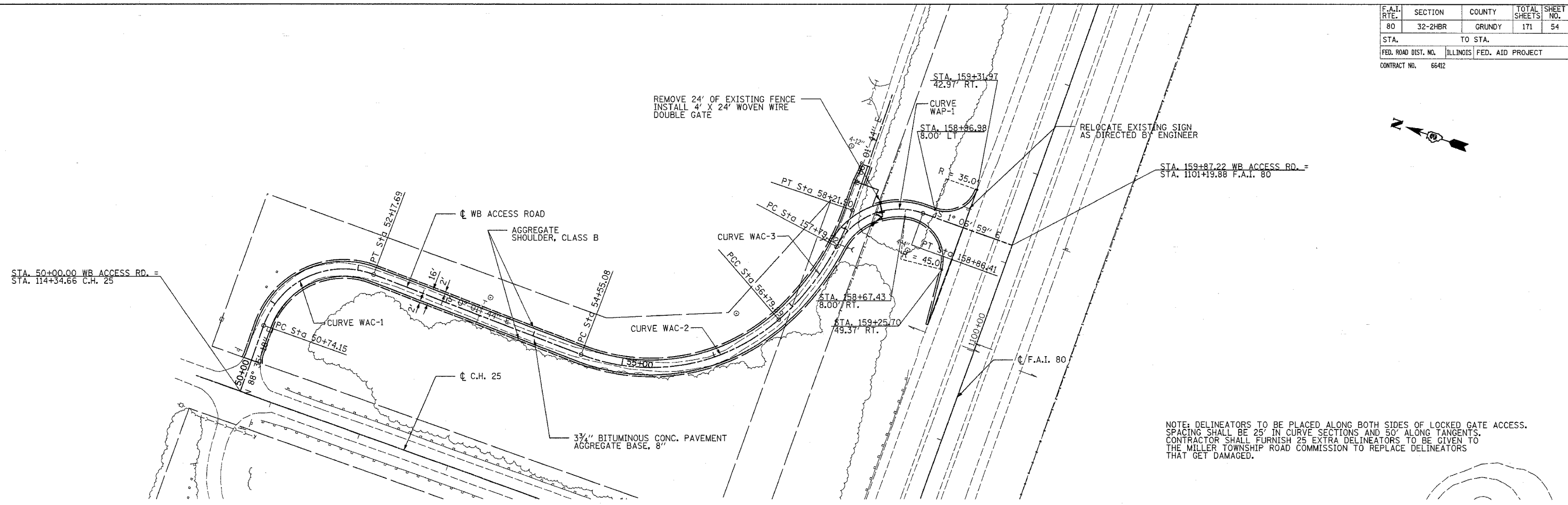
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PROPOSED FRONTAGE ROAD

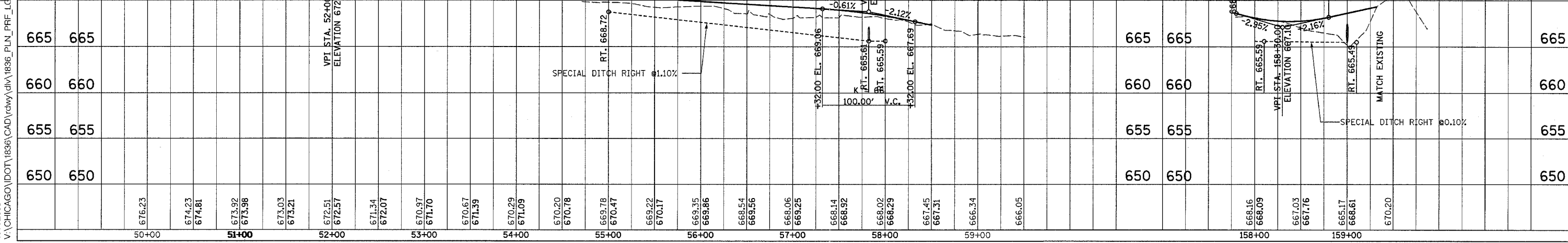
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	54
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO. _____		
DATE _____		



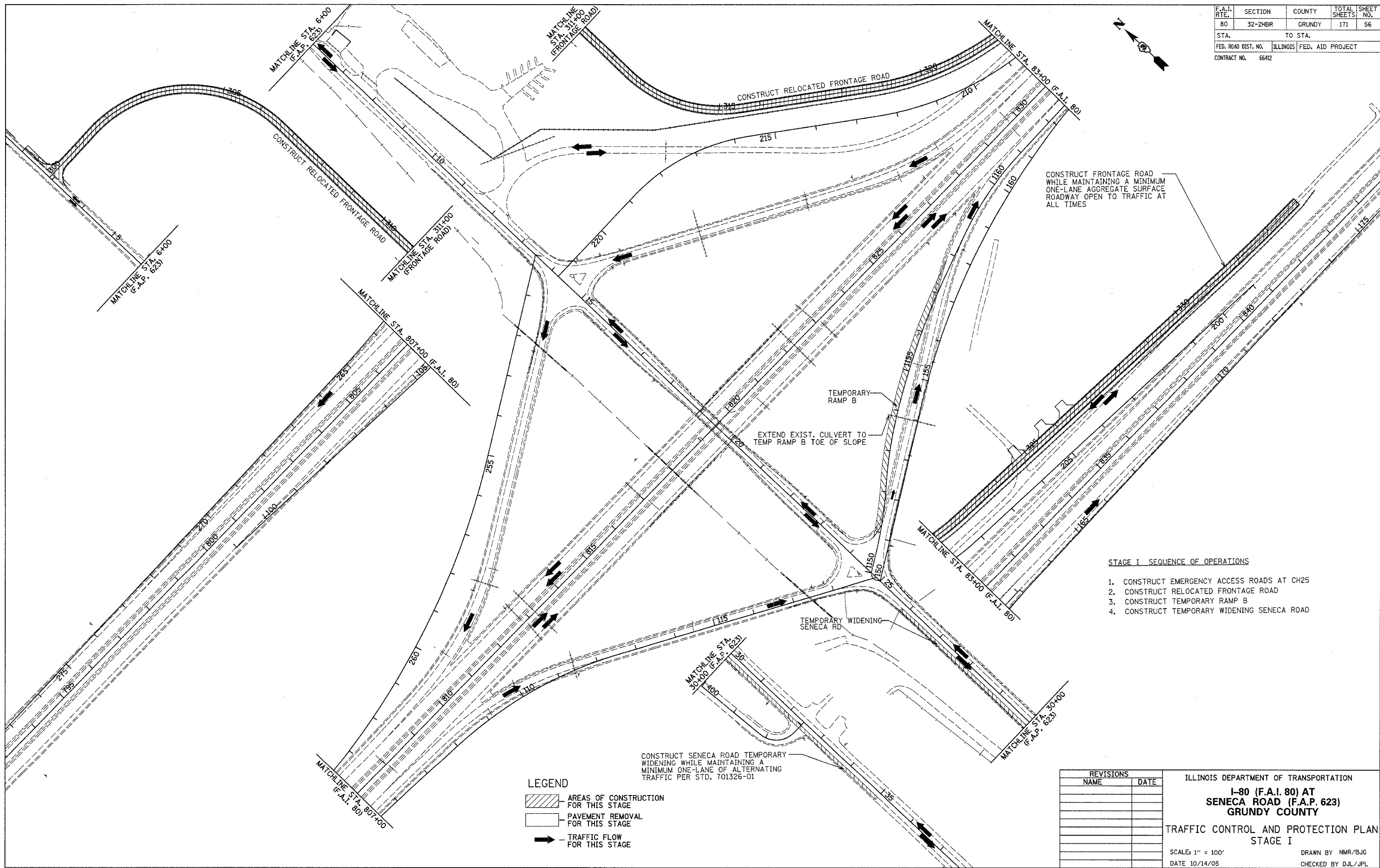
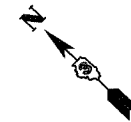
NOTE: DELINEATORS TO BE PLACED ALONG BOTH SIDES OF LOCKED GATE ACCESS. SPACING SHALL BE 25' IN CURVE SECTIONS AND 50' ALONG TANGENTS. CONTRACTOR SHALL FURNISH 25 EXTRA DELINEATORS TO BE GIVEN TO THE MILLER TOWNSHIP ROAD COMMISSION TO REPLACE DELINEATORS THAT GET DAMAGED.

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHECKED		
NO. _____		
DATE _____		



WB ACCESS ROAD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		



CONSTRUCT FRONTAGE ROAD WHILE MAINTAINING A MINIMUM ONE-LANE AGGREGATE SURFACE ROADWAY OPEN TO TRAFFIC AT ALL TIMES

EXTEND EXIST. CULVERT TO TEMP RAMP B TOE OF SLOPE

TEMPORARY WIDENING SENECA RD

CONSTRUCT SENECA ROAD TEMPORARY WIDENING WHILE MAINTAINING A MINIMUM ONE-LANE OF ALTERNATING TRAFFIC PER STD. 701326-01

STAGE I SEQUENCE OF OPERATIONS

1. CONSTRUCT EMERGENCY ACCESS ROADS AT CH25
2. CONSTRUCT RELOCATED FRONTAGE ROAD
3. CONSTRUCT TEMPORARY RAMP B
4. CONSTRUCT TEMPORARY WIDENING SENECA ROAD

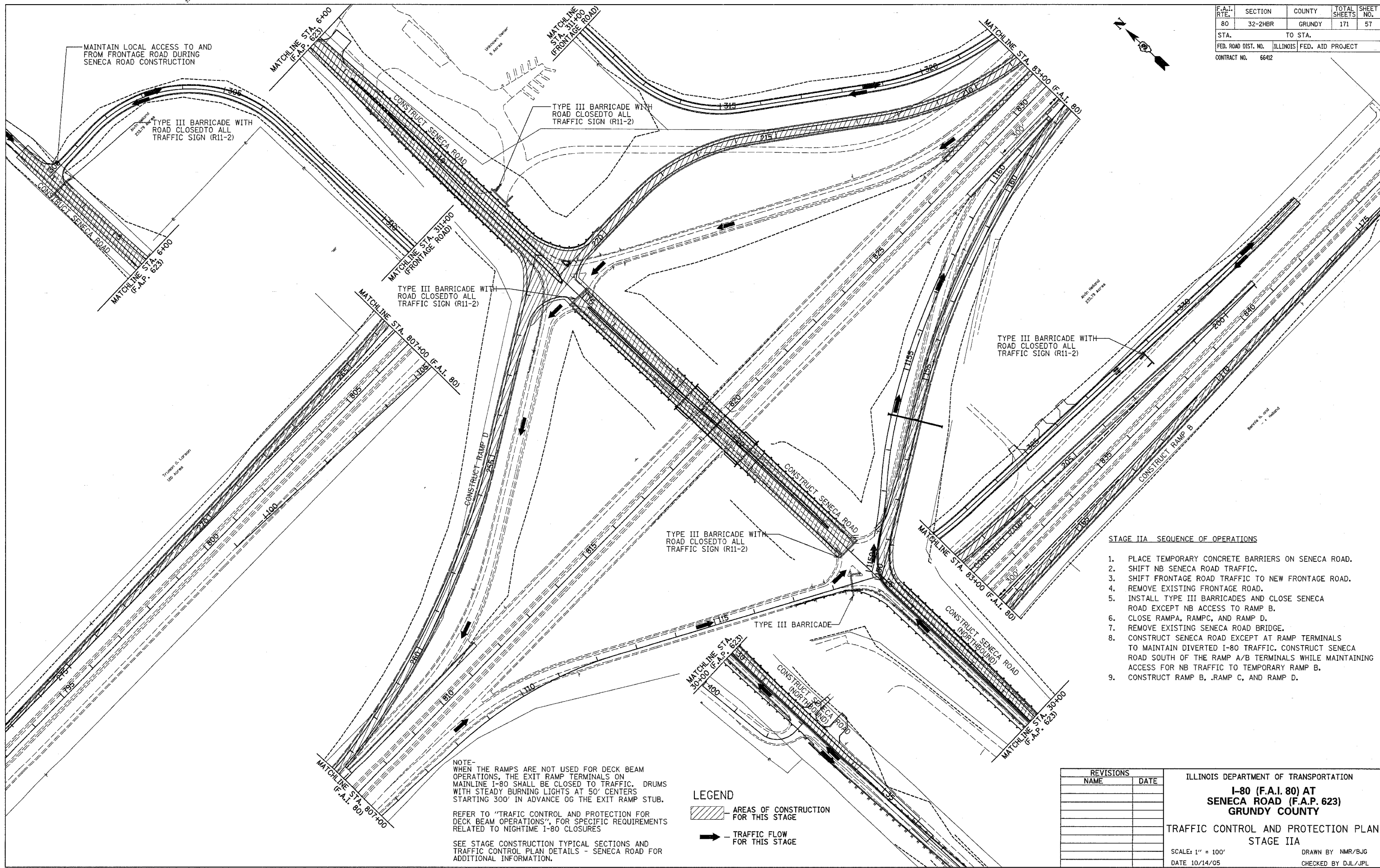
LEGEND

	AREAS OF CONSTRUCTION FOR THIS STAGE
	PAVEMENT REMOVAL FOR THIS STAGE
	TRAFFIC FLOW FOR THIS STAGE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE I
 SCALE: 1" = 100'
 DATE 10/14/05
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	57
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		



- STAGE IIA SEQUENCE OF OPERATIONS**
1. PLACE TEMPORARY CONCRETE BARRIERS ON SENECA ROAD.
 2. SHIFT NB SENECA ROAD TRAFFIC.
 3. SHIFT FRONTAGE ROAD TRAFFIC TO NEW FRONTAGE ROAD.
 4. REMOVE EXISTING FRONTAGE ROAD.
 5. INSTALL TYPE III BARRICADES AND CLOSE SENECA ROAD EXCEPT NB ACCESS TO RAMP B.
 6. CLOSE RAMPA, RAMP C, AND RAMP D.
 7. REMOVE EXISTING SENECA ROAD BRIDGE.
 8. CONSTRUCT SENECA ROAD EXCEPT AT RAMP TERMINALS TO MAINTAIN DIVERTED I-80 TRAFFIC. CONSTRUCT SENECA ROAD SOUTH OF THE RAMP A/B TERMINALS WHILE MAINTAINING ACCESS FOR NB TRAFFIC TO TEMPORARY RAMP B.
 9. CONSTRUCT RAMP B, RAMP C, AND RAMP D.

NOTE- WHEN THE RAMPS ARE NOT USED FOR DECK BEAM OPERATIONS, THE EXIT RAMP TERMINALS ON MAINLINE I-80 SHALL BE CLOSED TO TRAFFIC. DRUMS WITH STEADY BURNING LIGHTS AT 50' CENTERS STARTING 300' IN ADVANCE OF THE EXIT RAMP STUB.

REFER TO "TRAFFIC CONTROL AND PROTECTION FOR DECK BEAM OPERATIONS", FOR SPECIFIC REQUIREMENTS RELATED TO NIGHTTIME I-80 CLOSURES

SEE STAGE CONSTRUCTION TYPICAL SECTIONS AND TRAFFIC CONTROL PLAN DETAILS - SENECA ROAD FOR ADDITIONAL INFORMATION.

LEGEND

▨ AREAS OF CONSTRUCTION FOR THIS STAGE

➔ TRAFFIC FLOW FOR THIS STAGE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY

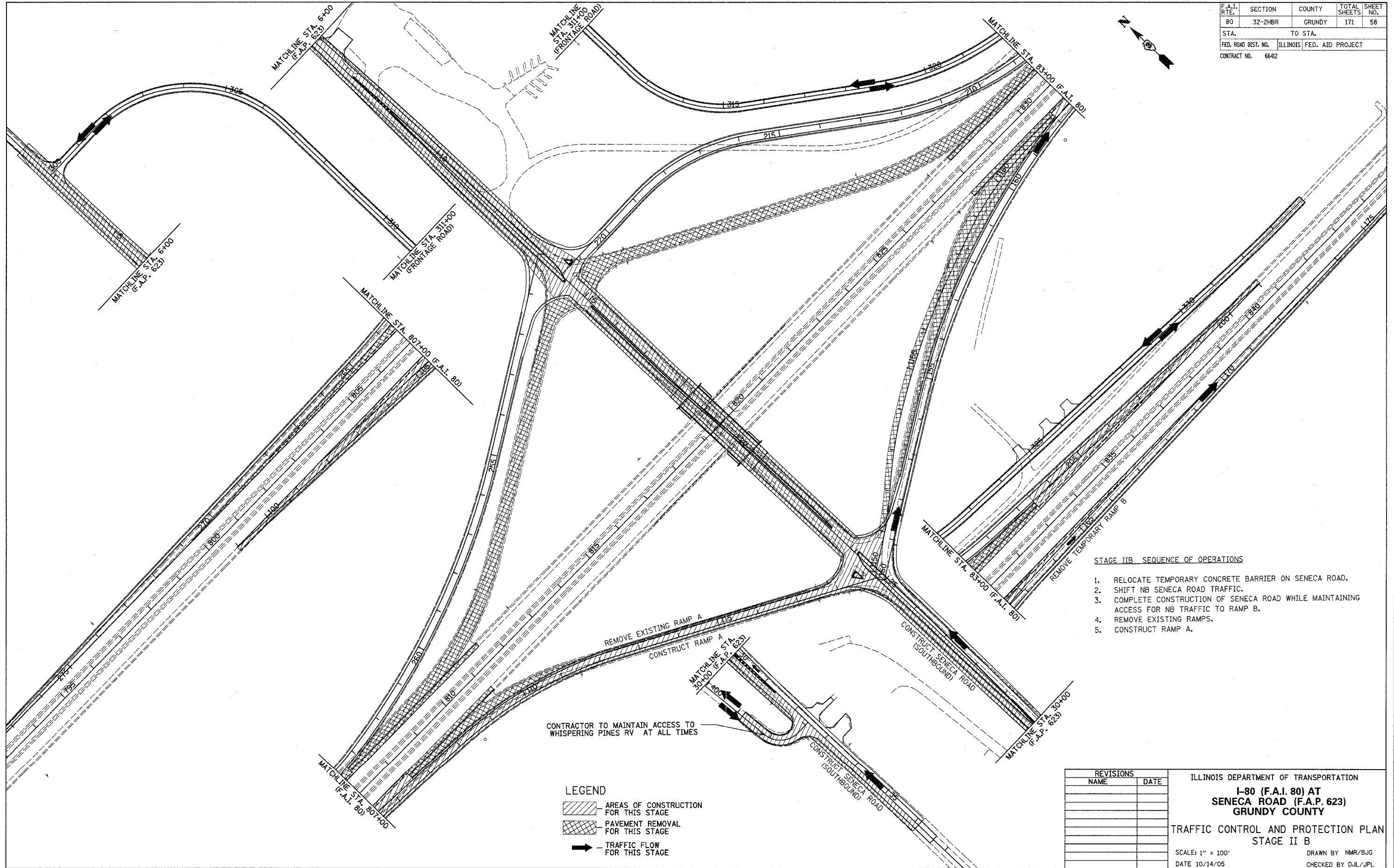
TRAFFIC CONTROL AND PROTECTION PLAN STAGE IIA

SCALE: 1" = 100'

DATE 10/14/05

DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	58
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



- STAGE IIB SEQUENCE OF OPERATIONS**
1. RELOCATE TEMPORARY CONCRETE BARRIER ON SENECA ROAD.
 2. SHIFT NB SENECA ROAD TRAFFIC.
 3. COMPLETE CONSTRUCTION OF SENECA ROAD WHILE MAINTAINING ACCESS FOR NB TRAFFIC TO RAMP B.
 4. REMOVE EXISTING RAMPS.
 5. CONSTRUCT RAMP A.

LEGEND

- ▨ AREAS OF CONSTRUCTION FOR THIS STAGE
- ▩ PAVEMENT REMOVAL FOR THIS STAGE
- TRAFFIC FLOW FOR THIS STAGE

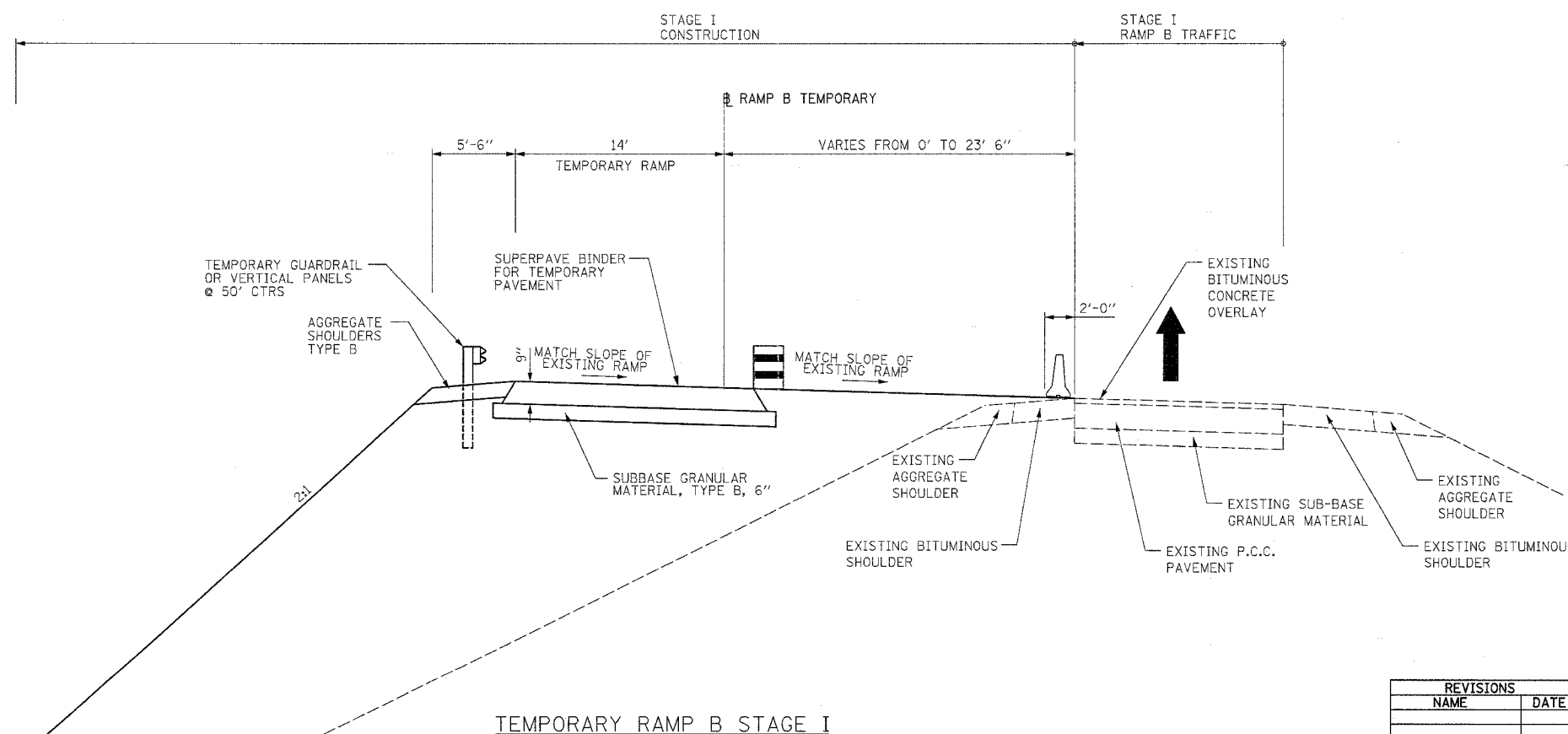
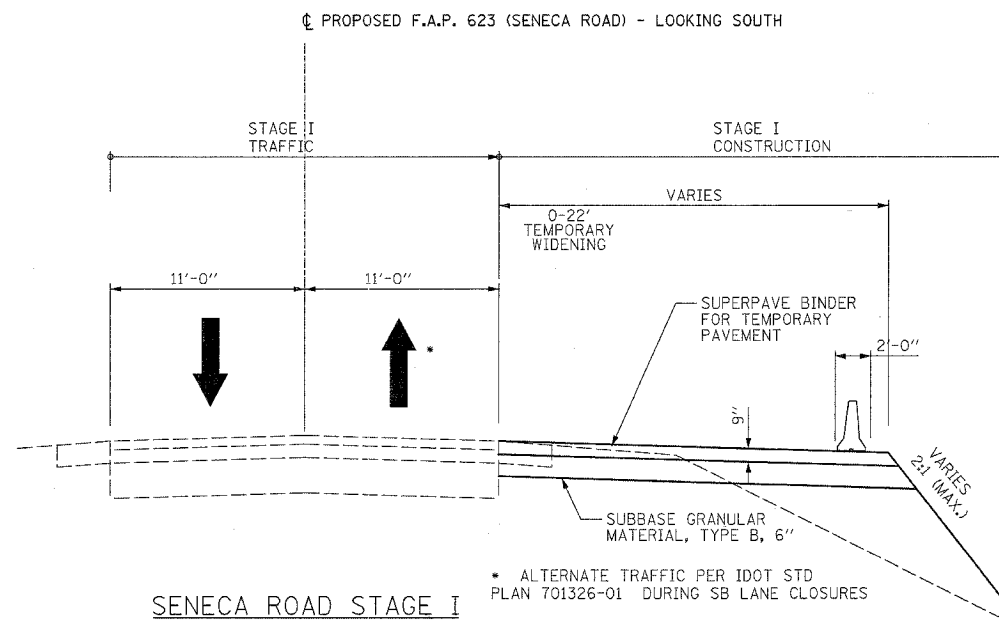
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY TRAFFIC CONTROL AND PROTECTION PLAN STAGE II B SCALE: 1" = 100' DATE 10/14/05

DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	59
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		

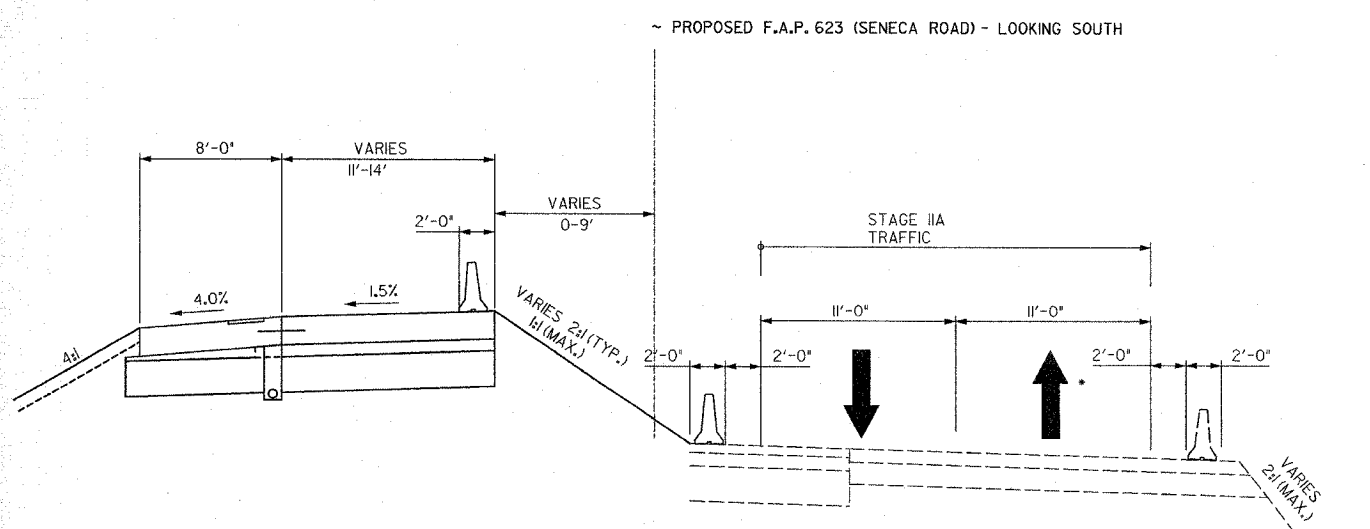
BITUMINOUS MIXTURES TABLE

	TEMP. RAMP B SUPERPAVE BINDER FOR TEMP. PAVEMENT PG64-22	SENECA RD. SUPERPAVE BINDER FOR TEMP. PAVEMENT PG64-22
PG GRADE	PG64-22	PG64-22
MAX. % RAP ALLOWABLE**	15%	15%
DESIGN AIR Voids	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 19.0
FRICITION AGGREGATE		
PLANT CONTROL LIMITS	CLASS 1	CLASS 1
DENSITY TEST METHOD	SATISFACTION OF THE ENGINEER	SATISFACTION OF THE ENGINEER



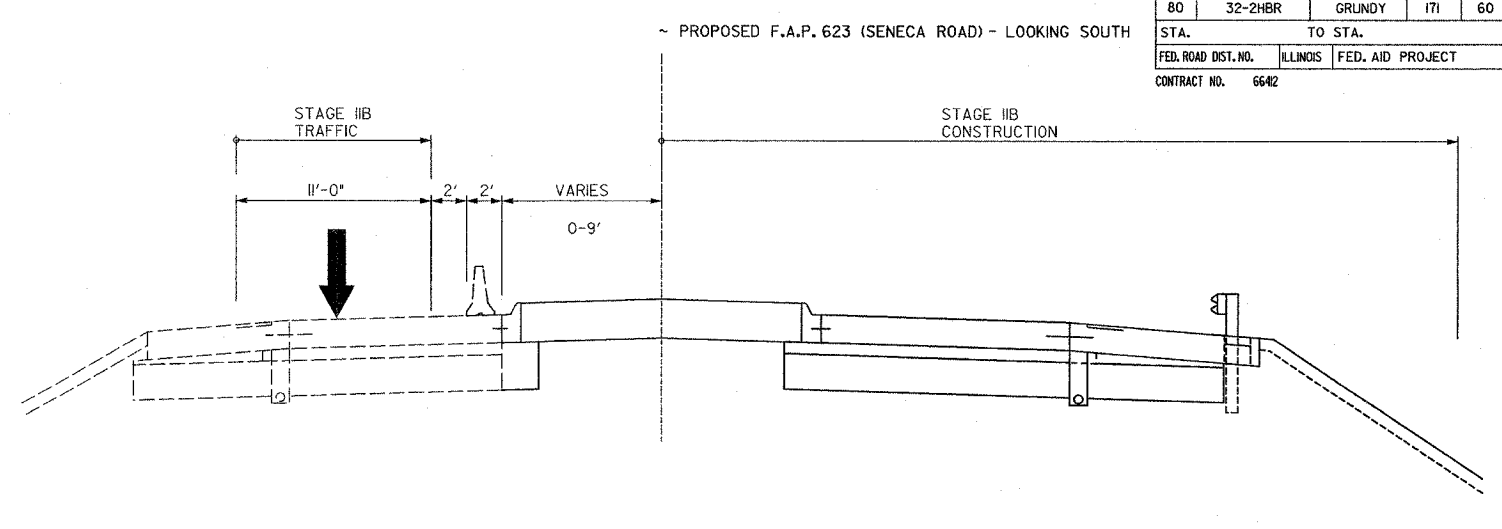
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY TRAFFIC CONTROL AND PROTECTION STAGE I TYPICAL SECTIONS SCALE: N.T.S. DATE 10/14/05
NAME	DATE	
		DRAWN BY NMR/BJG CHECKED BY DJL/JPL

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	60
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		6642		

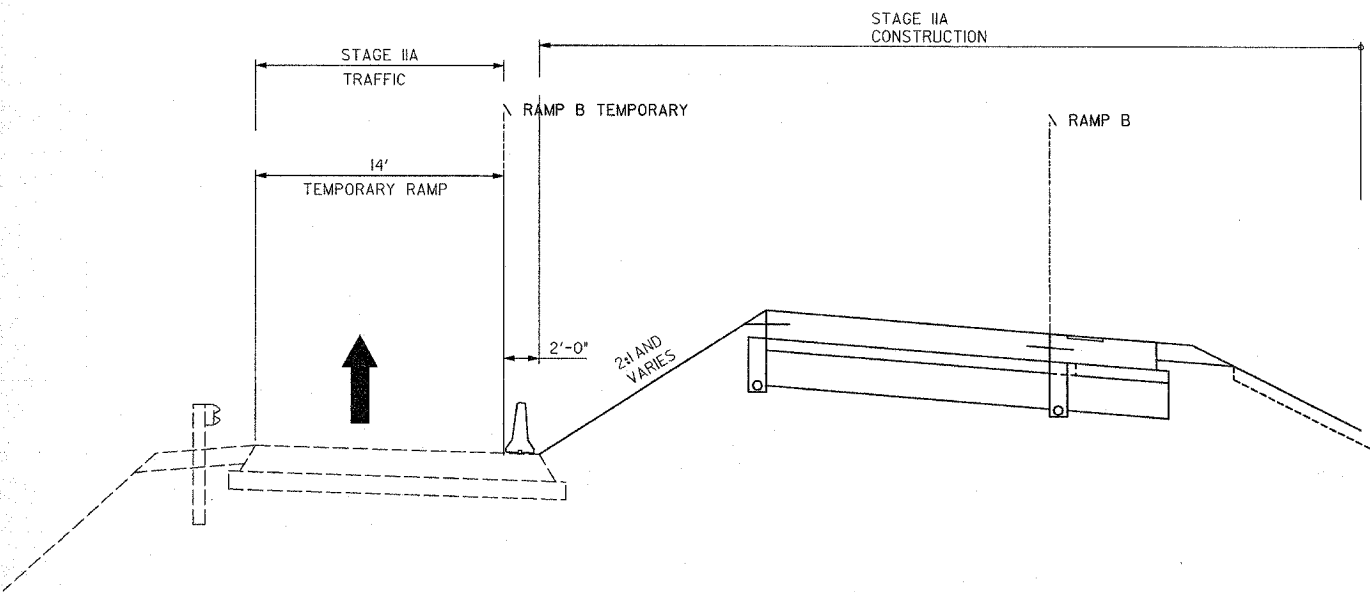


SENECA ROAD STAGE IIA

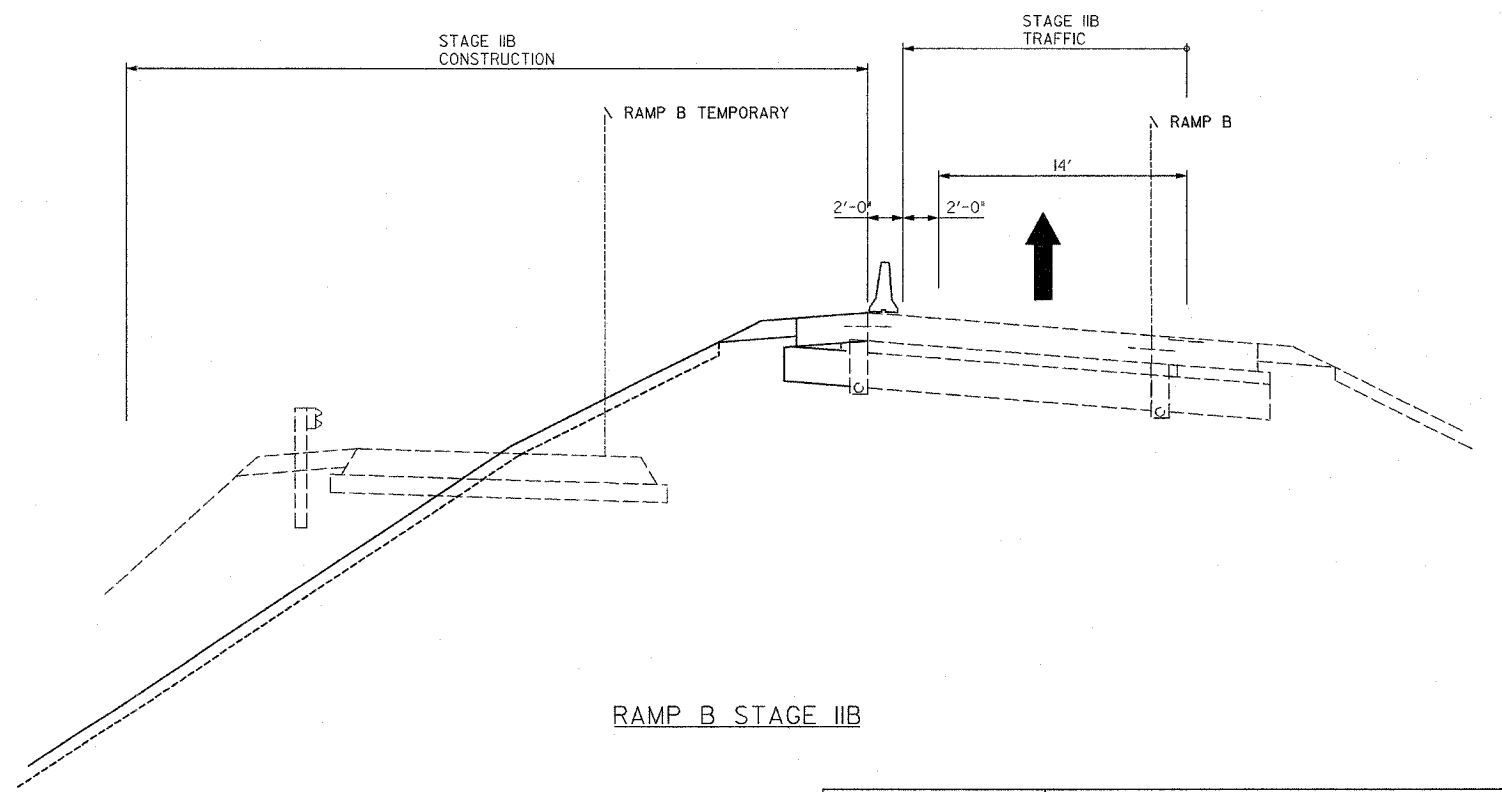
* MAINTAIN 2 LANES OF TRAFFIC FROM STA 32+43 TO THE SOUTH PROJECT LIMITS TO PROVIDE ACCESS TO THE WHISPERING PINES RV BUSINESS



SENECA ROAD STAGE IIB



TEMPORARY RAMP B STAGE IIA

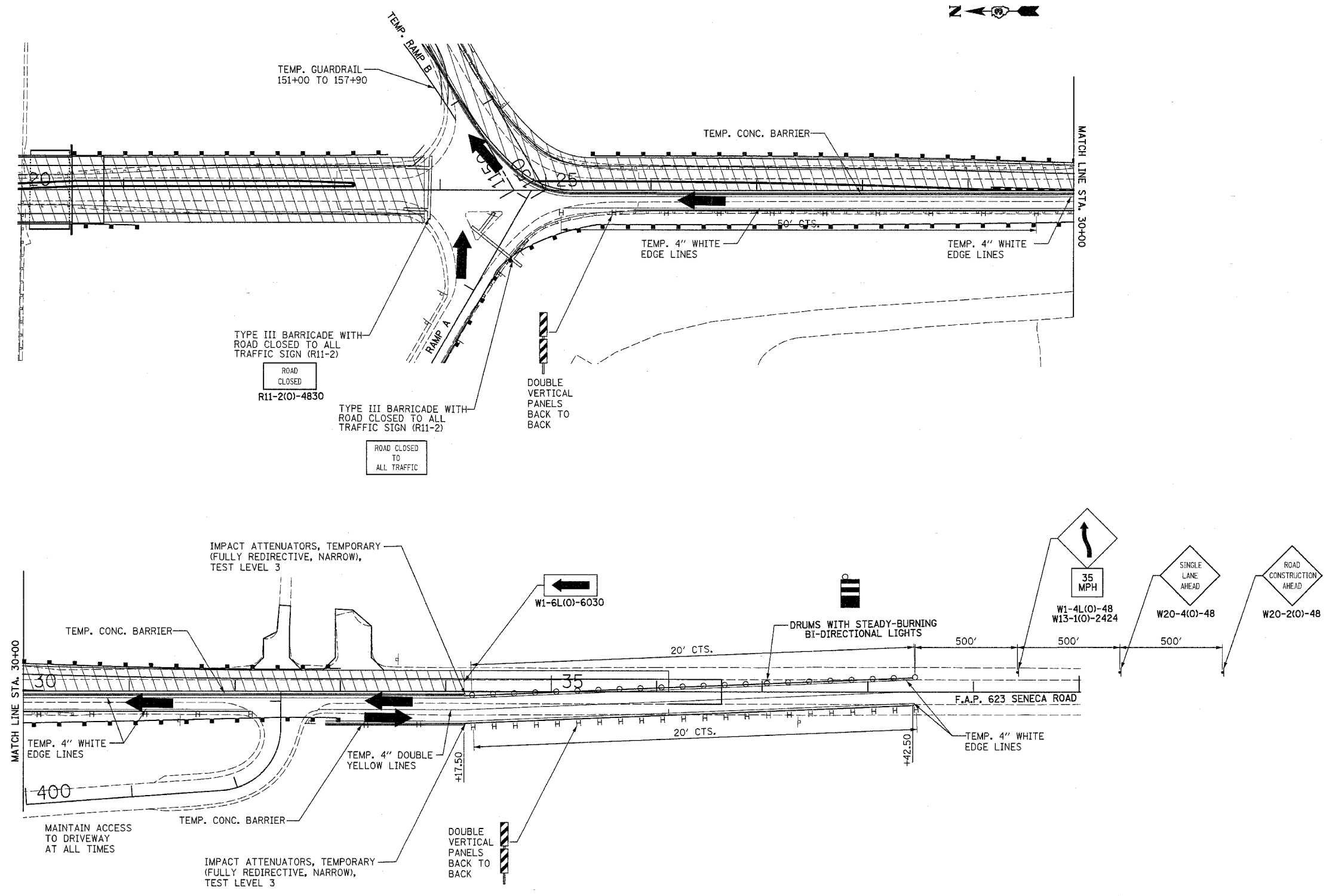


RAMP B STAGE IIB

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TRAFFIC CONTROL AND PROTECTION
 TYPICAL SECTIONS STAGES IIA & IIB
 SCALE: N.T.S.
 DATE 10/14/05
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	61
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



LEGEND

- AREAS OF CONSTRUCTION FOR THIS STAGE
- PAVEMENT REMOVAL FOR THIS STAGE
- TRAFFIC FLOW FOR THIS STAGE

DOUBLE VERTICAL PANELS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS, 50' CENTERS ABOVE TEMP. CONC. BARRIER AND 20' CENTERS IN TAPER AREA

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		

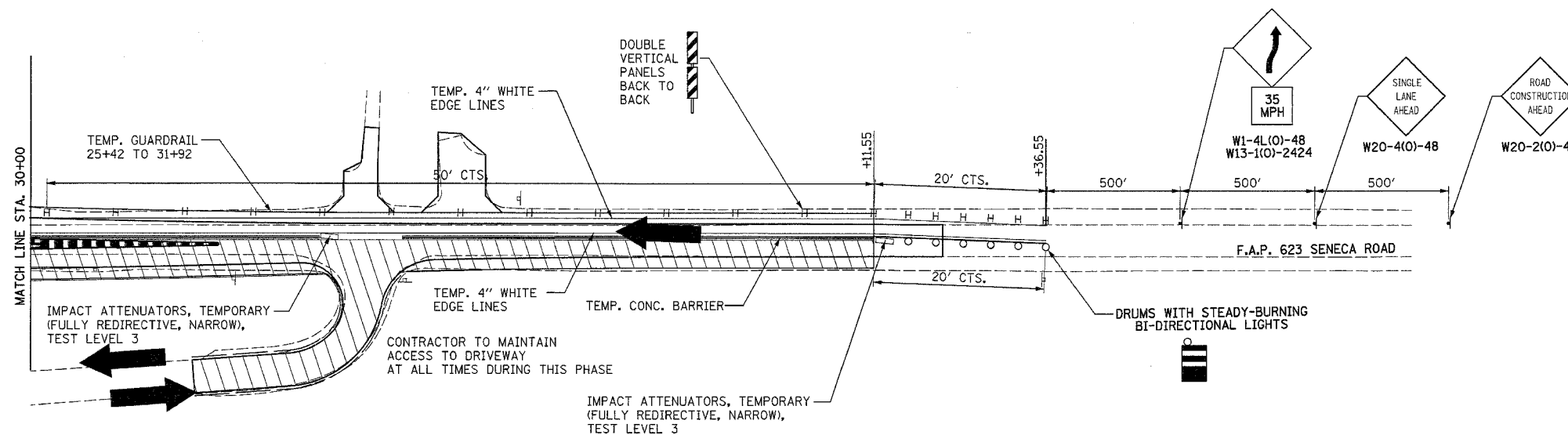
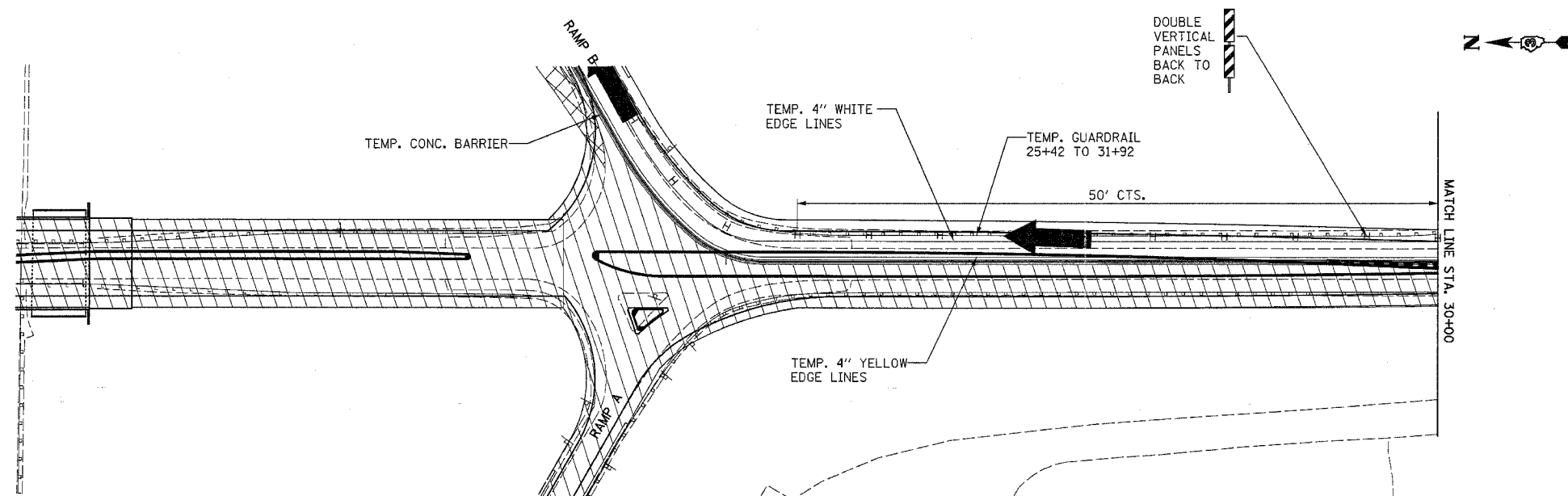
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**

**TRAFFIC DETAIL
STAGE IIA**

SCALE: 1" = 50'
DATE 08/16/04

DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	62
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		

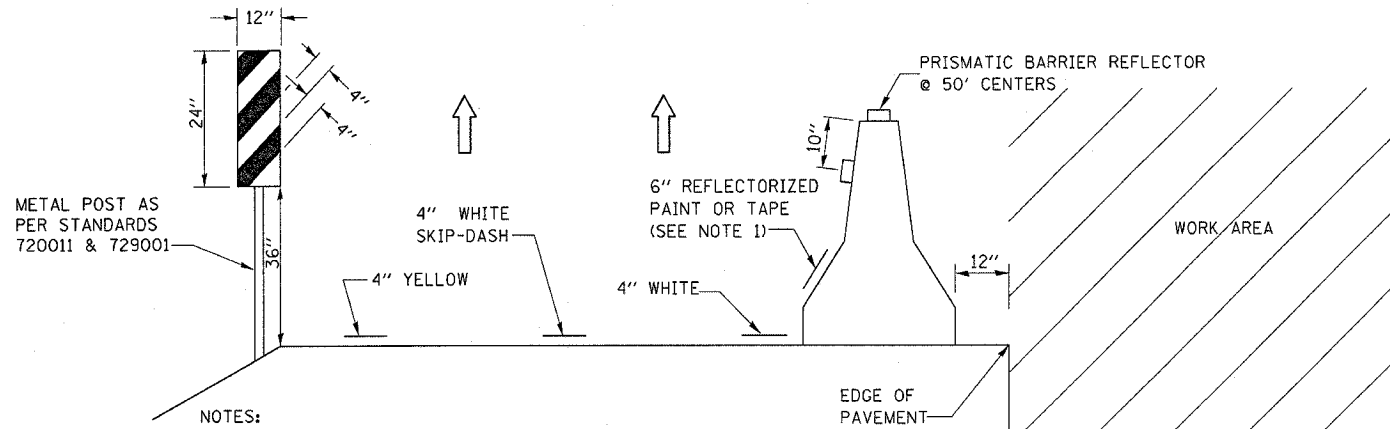


DOUBLE VERTICAL PANELS WITH BI-DIRECTIONAL STEADY BURNING LIGHTS, 50' CENTERS ABOVE TEMP. CONC. BARRIER AND 20' CENTERS IN TAPER AREA

- LEGEND**
- AREAS OF CONSTRUCTION FOR THIS STAGE
 - PAVEMENT REMOVAL FOR THIS STAGE
 - TRAFFIC FLOW FOR THIS STAGE

REVISIONS	
NAME	DATE

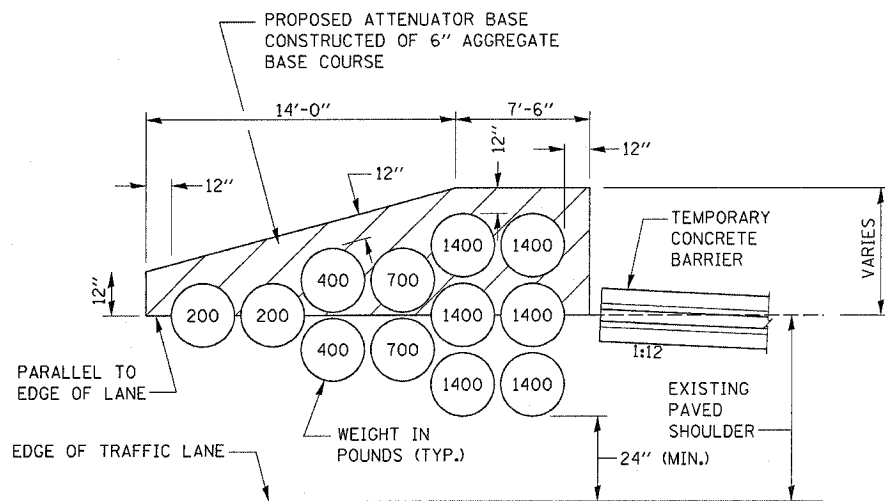
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TRAFFIC DETAIL
 STAGE IIB
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL



NOTES:

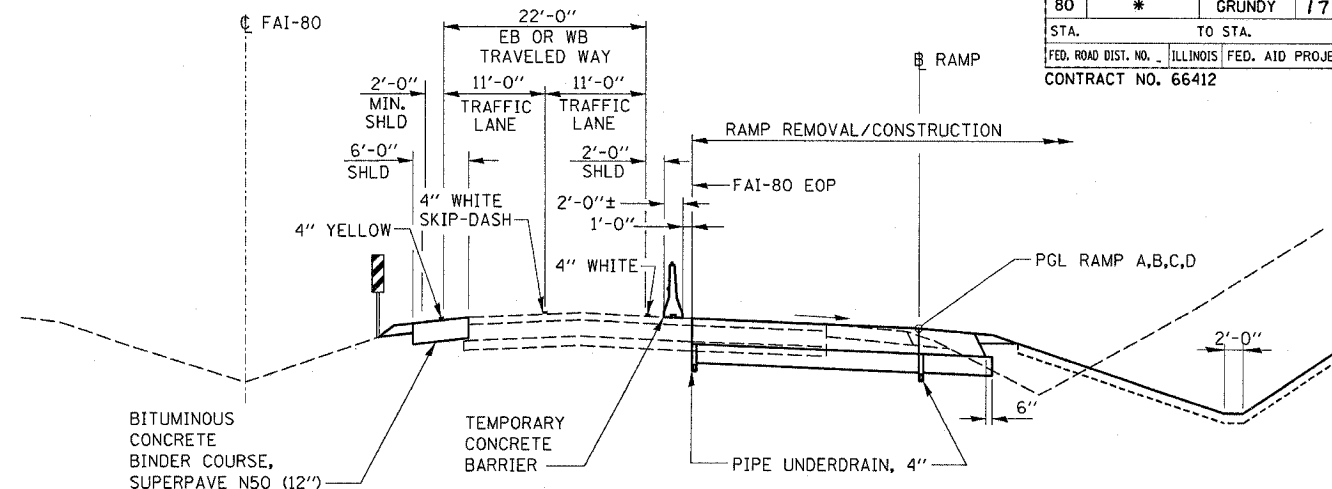
- COST OF INSTALLING, MAINTAINING, AND REMOVING VERTICAL PANELS SHALL BE INCLUDED IN TRAFFIC CONTROL COMPLETE.
- SPACE VERTICAL PANELS AT 100' CENTERS, 50' CENTERS ON TAPERS.
- THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
- THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
- THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

**RAMP TERMINAL REMOVAL /RECONSTRUCTION
 TRAFFIC CONTROL DEVICE DETAIL LAYOUT**



NOTE:
 CONSTRUCTION AND REMOVAL OF ATTENUATOR BASE SHALL BE INCLUDED IN THE COST OF THE IMPACT ATTENUATOR INSTALLATION

**IMPACT ATTENUATORS, TEMPORARY OR RELOCATED
 (NON-REDIRECTIVE), TEST LEVEL 3
 FOR RAMP TERMINAL REMOVAL /RECONSTRUCTION**



**FAI-80 & RAMP TERMINAL
 REMOVAL /RECONSTRUCTION
 STAGES IIA & IIB**

RAMP TERMINAL REMOVAL / RECONSTRUCTION											
LOCATION	STATIONS	LENGTH FOOT	PAVEMENT MARKING REMOVAL FOOT	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	PAVED SHOULDER REMOVAL SQ YD	BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE N50 TONS	TEMPORARY CONCRETE BARRIER FOOT	TEMPORARY PAVEMENT MARKING 4"		IMPACT ATTENUATORS TEMPORARY (NON-REDIR.) TEST LEVEL 3 EACH	RAISED REFLECTIVE PAVEMENT MARKER EACH
								WHITE FOOT	YELLOW FOOT		
EASTBOUND EXIT RAMP	798+30 TO 811+00	1270	1720	94	1667	1680	1270	940	3750	1	94
EASTBOUND ENTRANCE RAMP	825+80 TO 845+40	1960	1357	74	1316	1326	1960	740	2960	1	74
WESTBOUND EXIT RAMP	828+00 TO 843+00	1500	1797	98	1742	1756	1500	980	3920	1	98
WESTBOUND ENTRANCE RAMP	791+40 TO 813+80	2240	1485	82	1440	1452	2240	810	3240	1	82
TOTALS		6970	6358	348	6164	6214	6970	3470	13,870	4	348

TEMPORARY CONCRETE BARRIER LENGTH INCLUDES 1:12 TAPER AT BOTH THE EASTBOUND AND WESTBOUND APPROACH.

SIGNING AND THE TRAFFIC CONTROL DEVICES FOR EACH APPROACH WILL BE IN ACCORDANCE WITH STD. 701401.

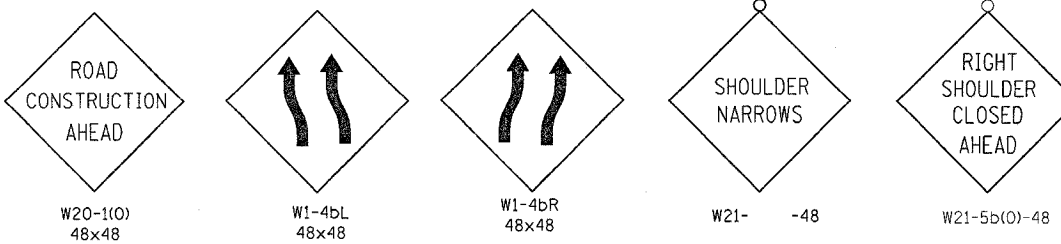
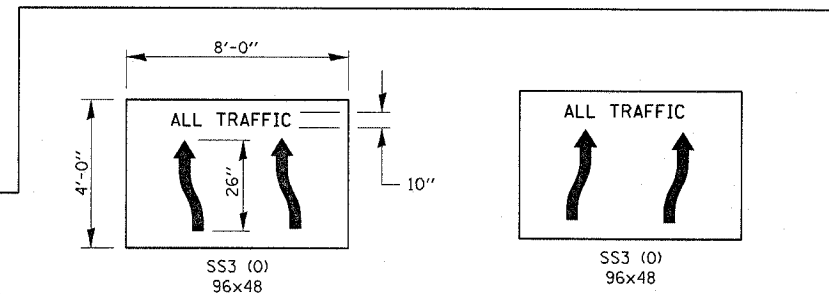
TRAFFIC CONTROL DEVICES WILL BE IN ACCORDANCE WITH STD. 701401 EXCEPT THAT THE TAPER LENGTH SHALL BE 500'.

ONE ARROW BOARD AS SHOWN IN STD. 701401 SHALL BE REQUIRED FOR EACH DIRECTION OF TRAVEL.

THE LANE SHIFT SHALL BE MAINTAINED THROUGH THE INTERCHANGE.

WHERE CONCRETE BARRIER IS NOT USED AT THE EDGE OF PAVEMENT, DRUMS WITH STEADY BURN LIGHTS AT 100' CENTERS SHALL BE USED TO MAINTAIN THE OFFSET LANES.

PAVEMENT MARKING REMOVAL SHALL BE DONE BY HYDROBLASTING METHODS.



TWO OF EACH SIGN (ONE ON EACH SIDE OF THE ROAD) SHALL BE POST MOUNTED AT LOCATIONS DETERMINED BY THE ENGINEER.

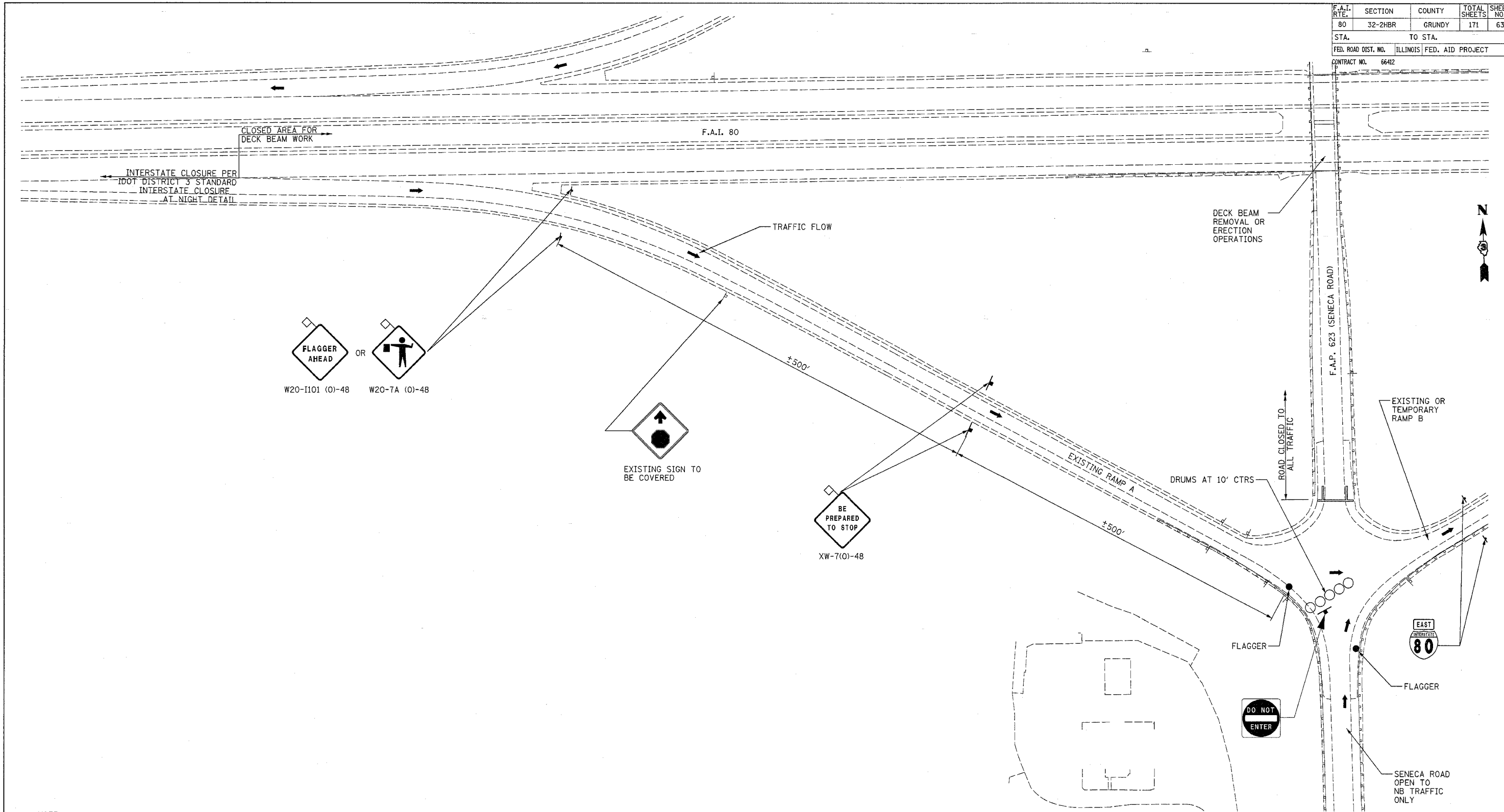
REVISIONS	
NAME	DATE
	12 6 05

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RAMP TERMINAL
 REMOVAL /RECONSTRUCTION
 DETAILS**

SCALE: VERT. HORIZ.
 DATE DRAWN BY CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	63
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



NOTE:

THE CONTRACTOR WILL NOT BE ALLOWED TO STOP INTERSTATE 80 TRAFFIC DURING DECK BEAM ERECTION OPERATIONS. TRAFFIC SHALL BE DETOURED ONTO THE RAMP IN ACCORDANCE WITH THE INTERSTATE CLOSURE AT NIGHT DETAIL AND AROUND THE STRUCTURE AS SHOWN. OPERATIONS SHALL BE SCHEDULED SO THAT THE TRAFFIC FLOW IS STRAIGHT ACROSS F.A.P. 623 (SENECA ROAD). AT NO TIME SHALL AN EXISTING RAMP OR TEMPORARY RAMP BE USED WITH A PROPOSED RAMP. AN EXISTING RAMP MAY BE USED WITH A TEMPORARY RAMP.

DETOUR OF I-80 INTERSTATE TRAFFIC SHALL BE AS APPROVED BY THE ENGINEER AND SHALL BE LIMITED TO NIGHTTIME OPERATION (7:00 PM TO 6:00 AM) FOR DECK BEAM REMOVAL OR ERECTION OPERATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**

**TRAFFIC CONTROL AND PROTECTION
FOR DECK BEAM OPERATIONS**

SCALE: 1" = 50'
DATE 08/16/04

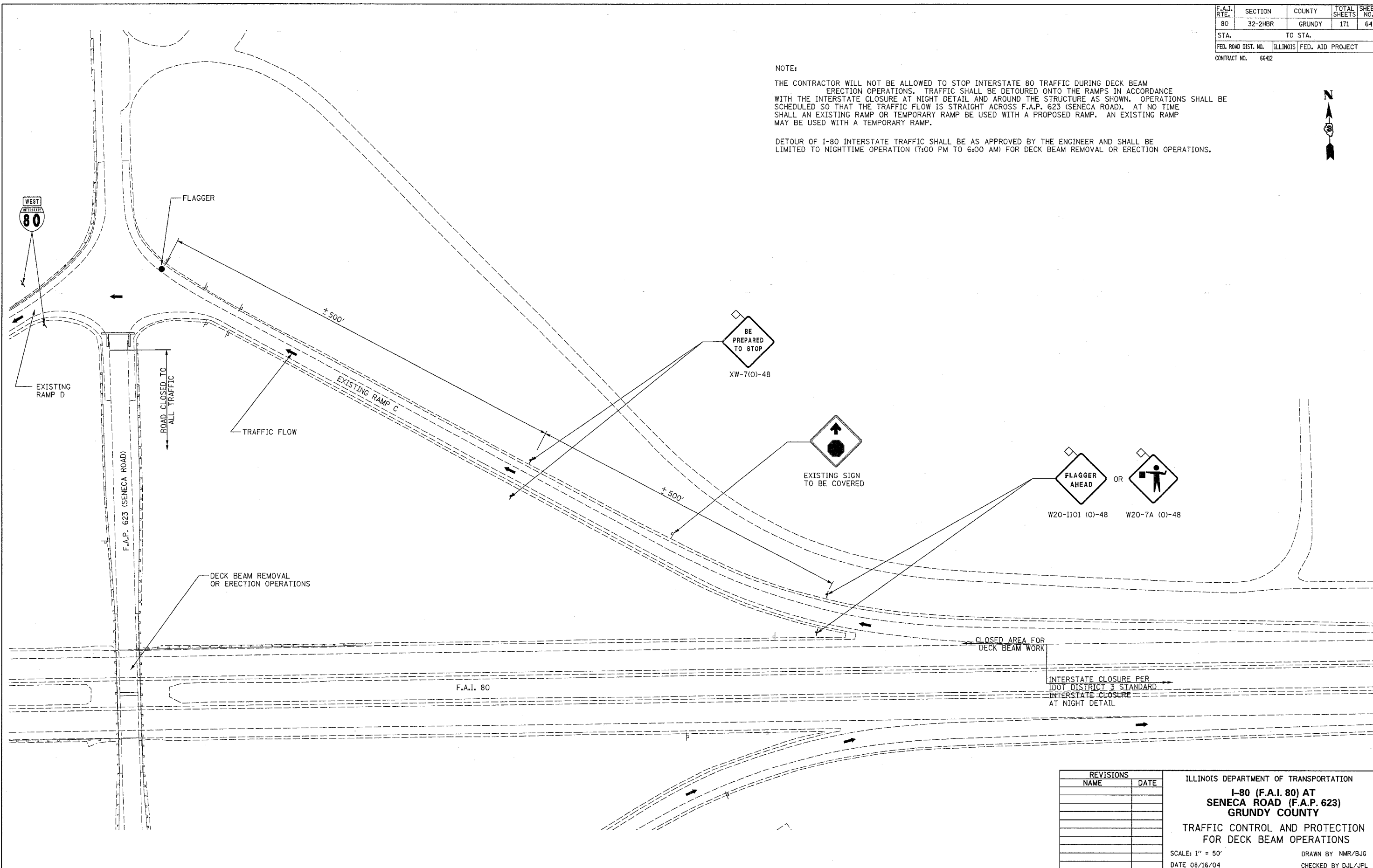
DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	64
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 66412				

NOTE:

THE CONTRACTOR WILL NOT BE ALLOWED TO STOP INTERSTATE 80 TRAFFIC DURING DECK BEAM ERECTION OPERATIONS. TRAFFIC SHALL BE DETOURED ONTO THE RAMP IN ACCORDANCE WITH THE INTERSTATE CLOSURE AT NIGHT DETAIL AND AROUND THE STRUCTURE AS SHOWN. OPERATIONS SHALL BE SCHEDULED SO THAT THE TRAFFIC FLOW IS STRAIGHT ACROSS F.A.P. 623 (SENECA ROAD). AT NO TIME SHALL AN EXISTING RAMP OR TEMPORARY RAMP BE USED WITH A PROPOSED RAMP. AN EXISTING RAMP MAY BE USED WITH A TEMPORARY RAMP.

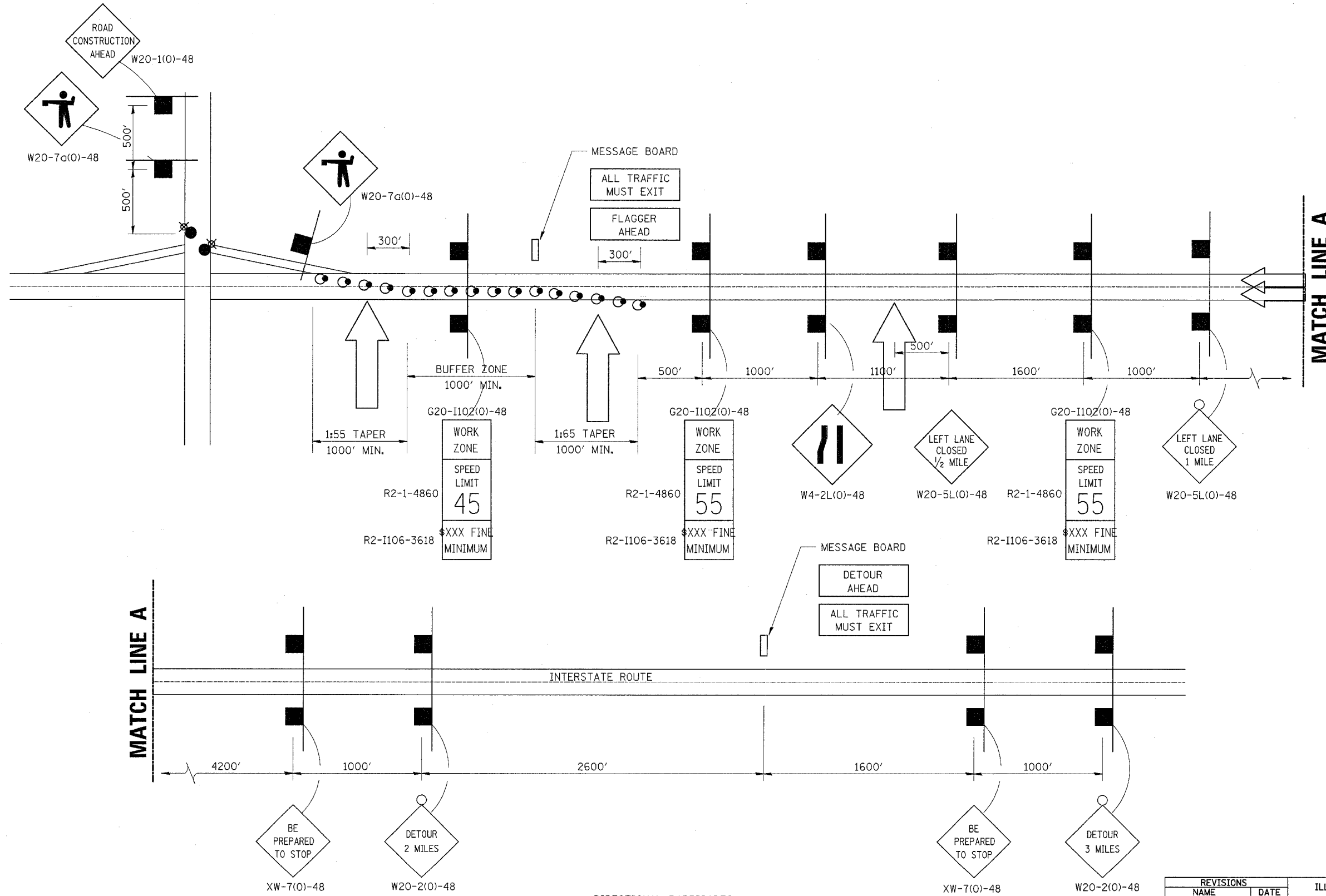
DETOUR OF I-80 INTERSTATE TRAFFIC SHALL BE AS APPROVED BY THE ENGINEER AND SHALL BE LIMITED TO NIGHTTIME OPERATION (7:00 PM TO 6:00 AM) FOR DECK BEAM REMOVAL OR ERECTION OPERATIONS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TRAFFIC CONTROL AND PROTECTION
 FOR DECK BEAM OPERATIONS
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 66412				

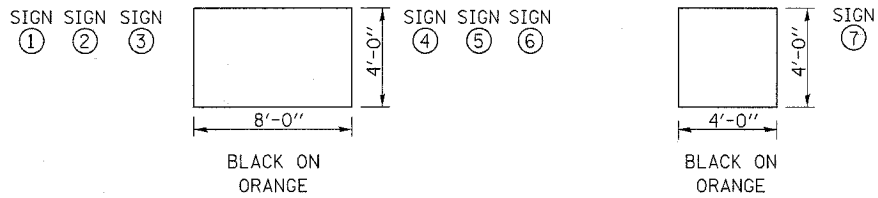


- DIRECTIONAL BARRICADES
50' IN TAPERS AND 100' IN TANGENT ON CENTERS
- LIGHTED FLAGGER STATIONS
- ARROWBOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 TOTAL INTERSTATE CLOSURE
 AT NIGHT
 (ALL TRAFFIC MUST EXIT)
 SCALE: N.T.S. DRAWN BY NMR/BJG
 DATE 10/14/05 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-308B	GBUNDY	171	66
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		



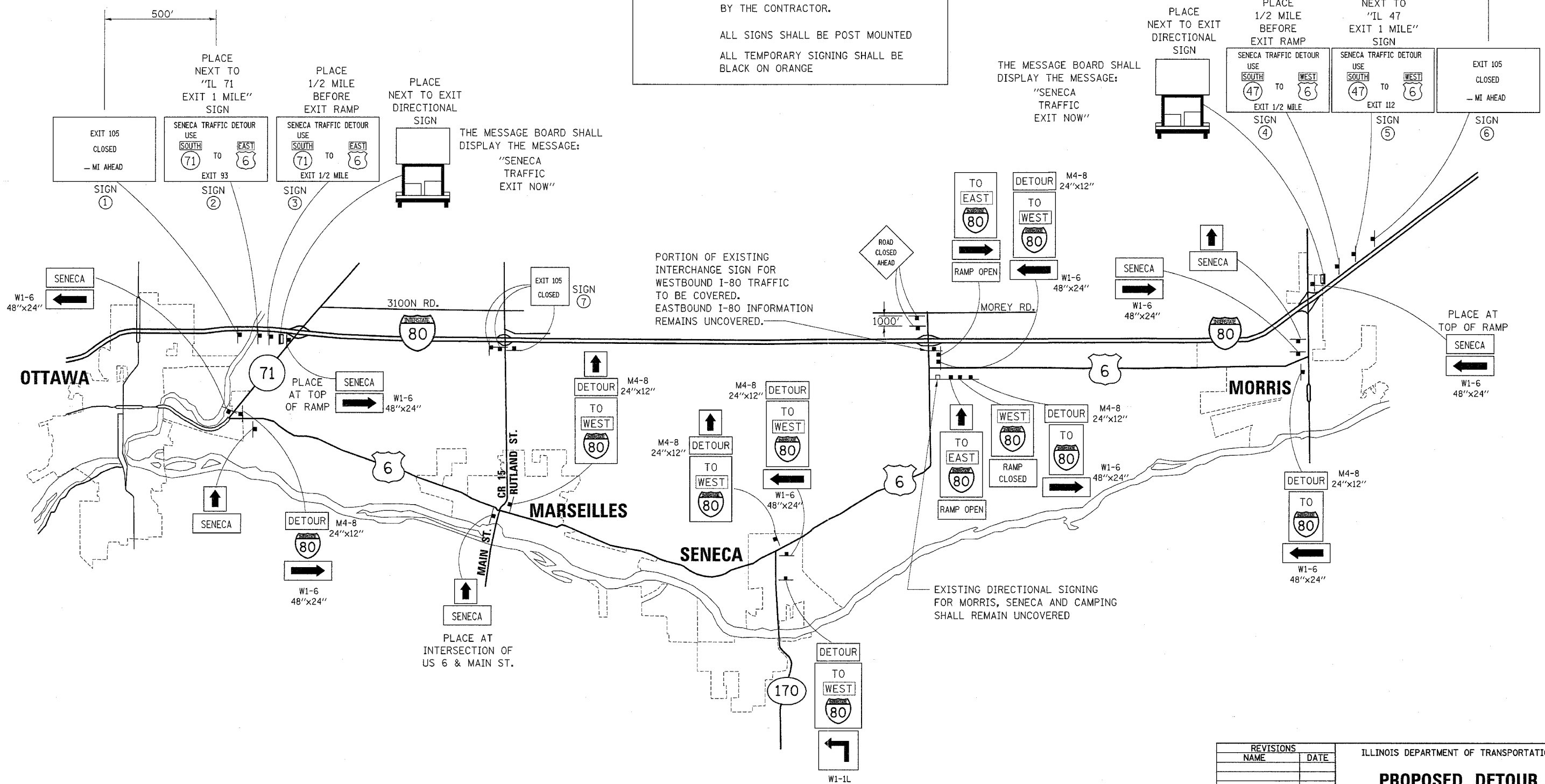
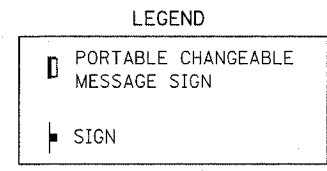
NOTES:

ALL ROUTE MARKER SHIELDS FOR I-80, US 6, IL 71 AND IL 47 SHALL BE FURNISHED BY THE DEPARTMENT.

ALL OTHER SIGNS WILL BE STATE FURNISHED AND INSTALLED AND REMOVED BY THE CONTRACTOR.

ALL SIGNS SHALL BE POST MOUNTED

ALL TEMPORARY SIGNING SHALL BE BLACK ON ORANGE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED DETOUR

I-80 & WALKERS CORNER

SCALE: VERT. _____
HORIZ. _____

DATE _____

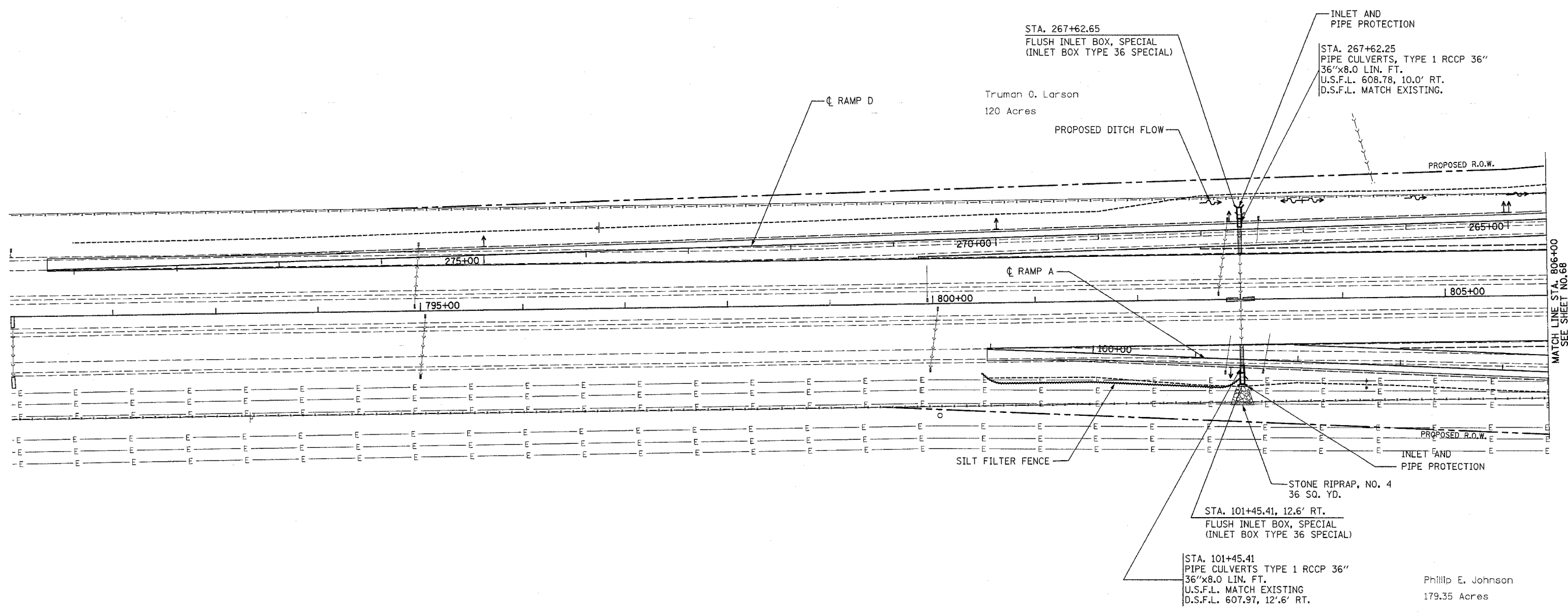
DRAWN BY _____
CHECKED BY _____



DRAINAGE NOTES

1. PIPE UNDERDRAINS, 4", (MODIFIED) SHALL BE PLACED ALONG ALL RAMP EDGES OF PAVEMENT, AS SHOWN IN THE PROPOSED TYPICAL SECTIONS. CONCRETE HEADWALLS FOR PIPE UNDERDRAINS 4" (SPECIAL) SHALL BE PLACED AT A MAXIMUM SPACING OF 500'.
2. FOR DETAILS OF CONSTRUCTION AT DRAINAGE STRUCTURES, SEE ROADWAY AND DRAINAGE DETAILS SHEETS.
3. FOR PROPOSED CURVE DATA, SEE ROADWAY ALIGNMENT SHEET.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	67
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		

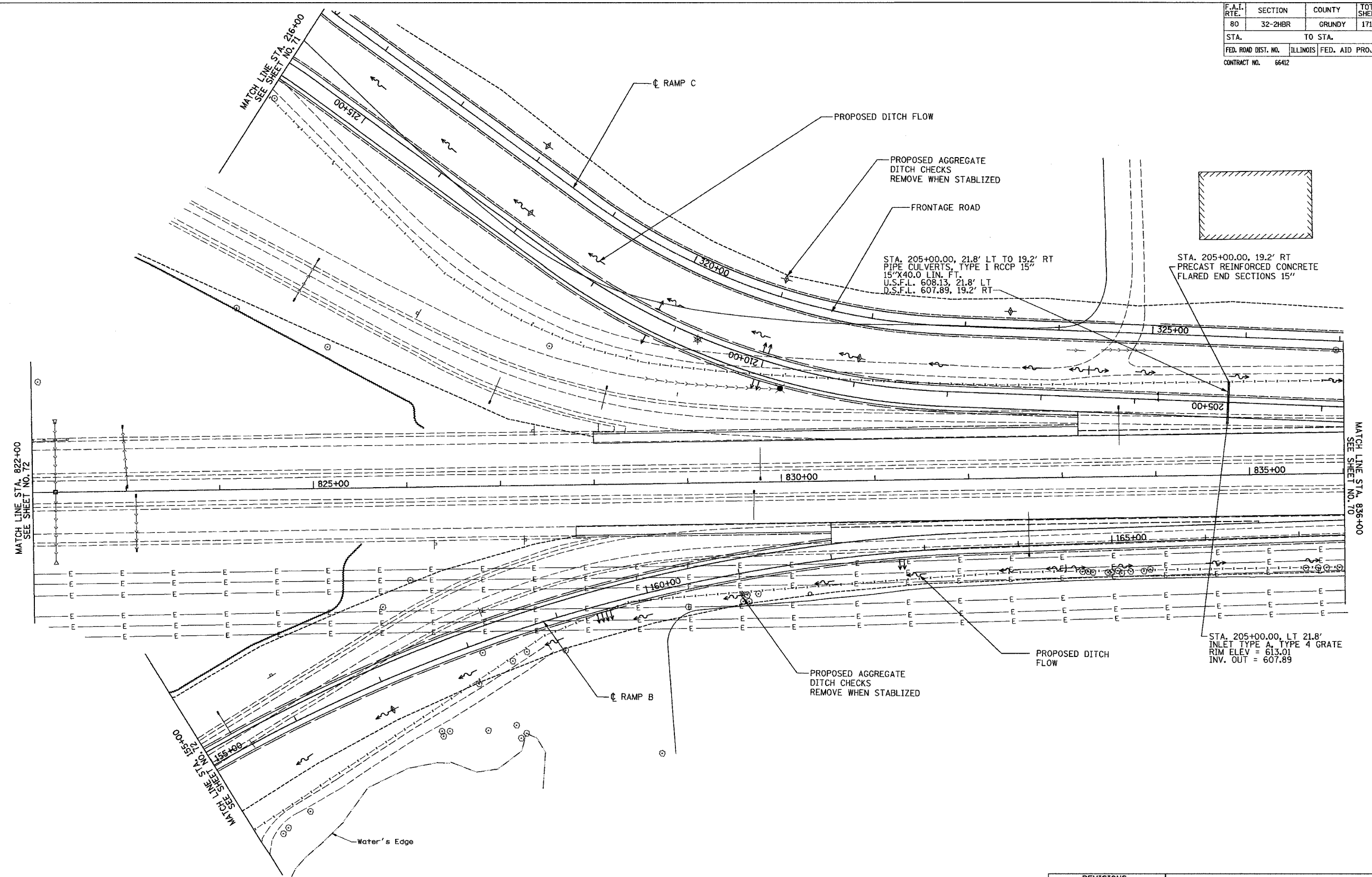


REVISIONS	
NAME	DATE

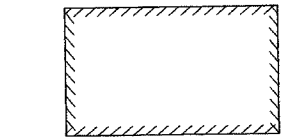
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EROSION CONTROL AND DRAINAGE PLAN
 RAMP A, RAMP D
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 66412				



STA. 205+00.00, 21.8' LT TO 19.2' RT
 PIPE CULVERTS, TYPE I RCCP 15"
 15"X40.0 LIN. FT.
 U.S.F.L. 608.13, 21.8' LT
 D.S.F.L. 607.89, 19.2' RT



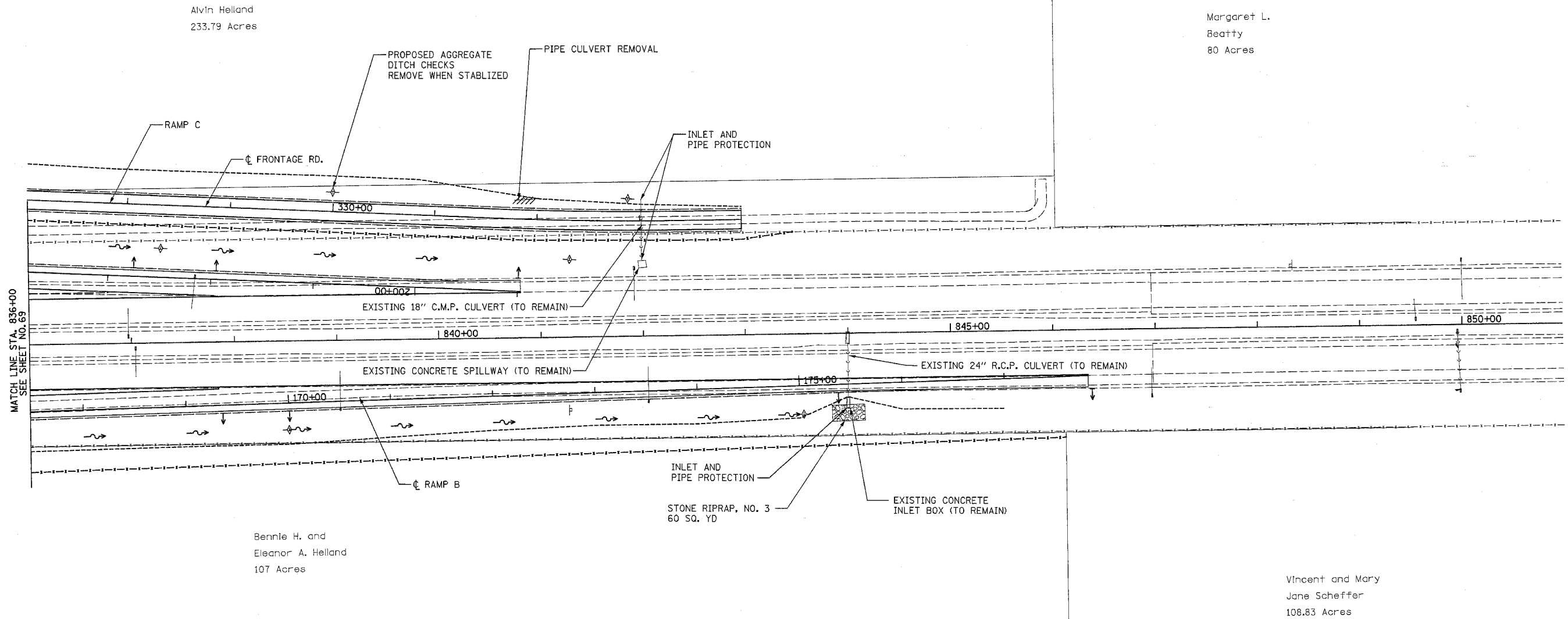
STA. 205+00.00, 19.2' RT
 PRECAST REINFORCED CONCRETE
 FLARED END SECTIONS 15"

STA. 205+00.00, LT 21.8'
 INLET TYPE A, TYPE 4 GRATE
 RIM ELEV = 613.01
 INV. OUT = 607.89

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EROSION CONTROL AND DRAINAGE PLAN
 RAMP B, RAMP C
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	70
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		



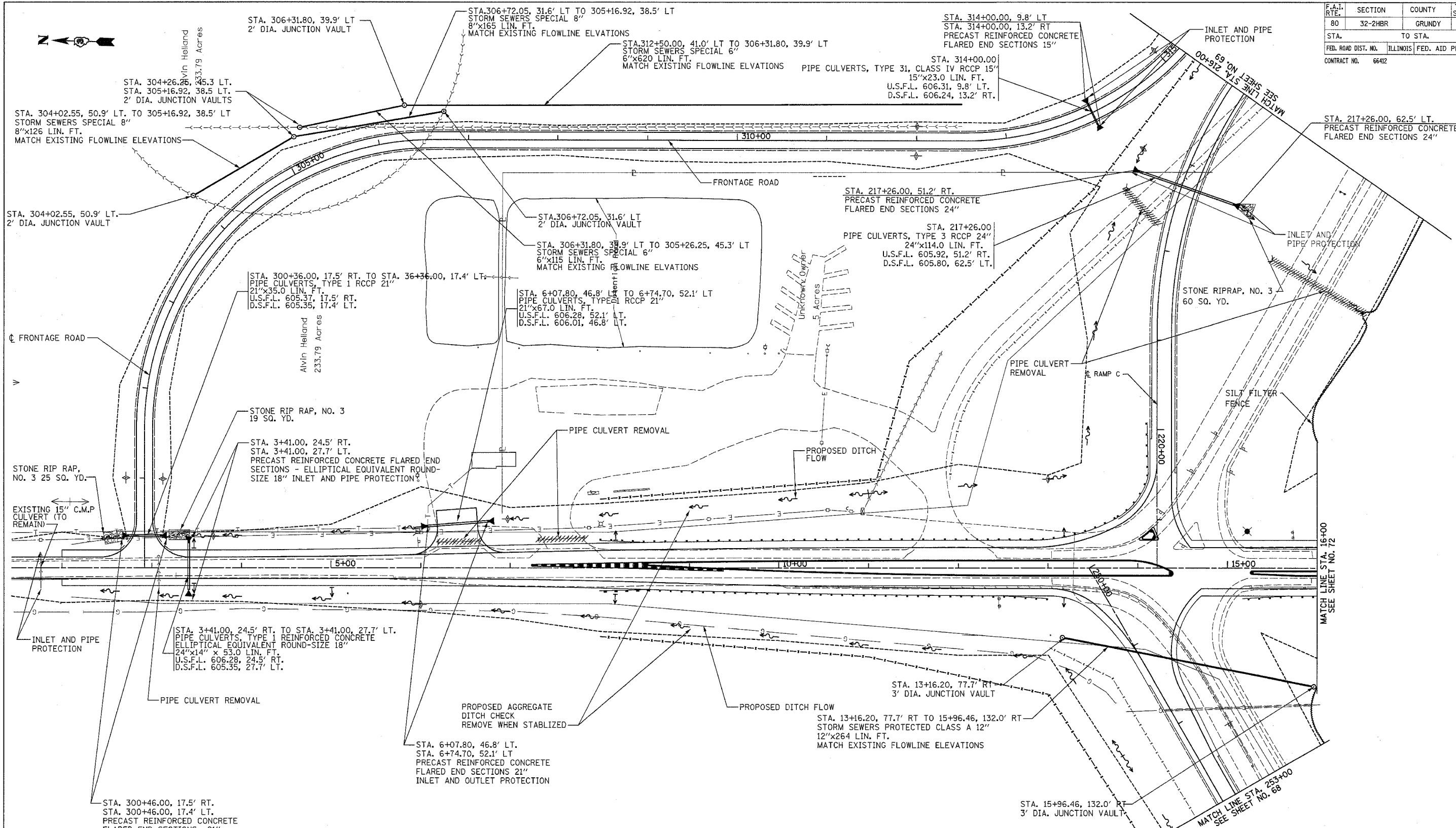
MATCH LINE STA. 836+00
SEE SHEET NO. 69

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY EROSION CONTROL AND DRAINAGE PLAN RAMP B, RAMP C
NAME	DATE	

SCALE: 1" = 50'
DATE 08/16/04

DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

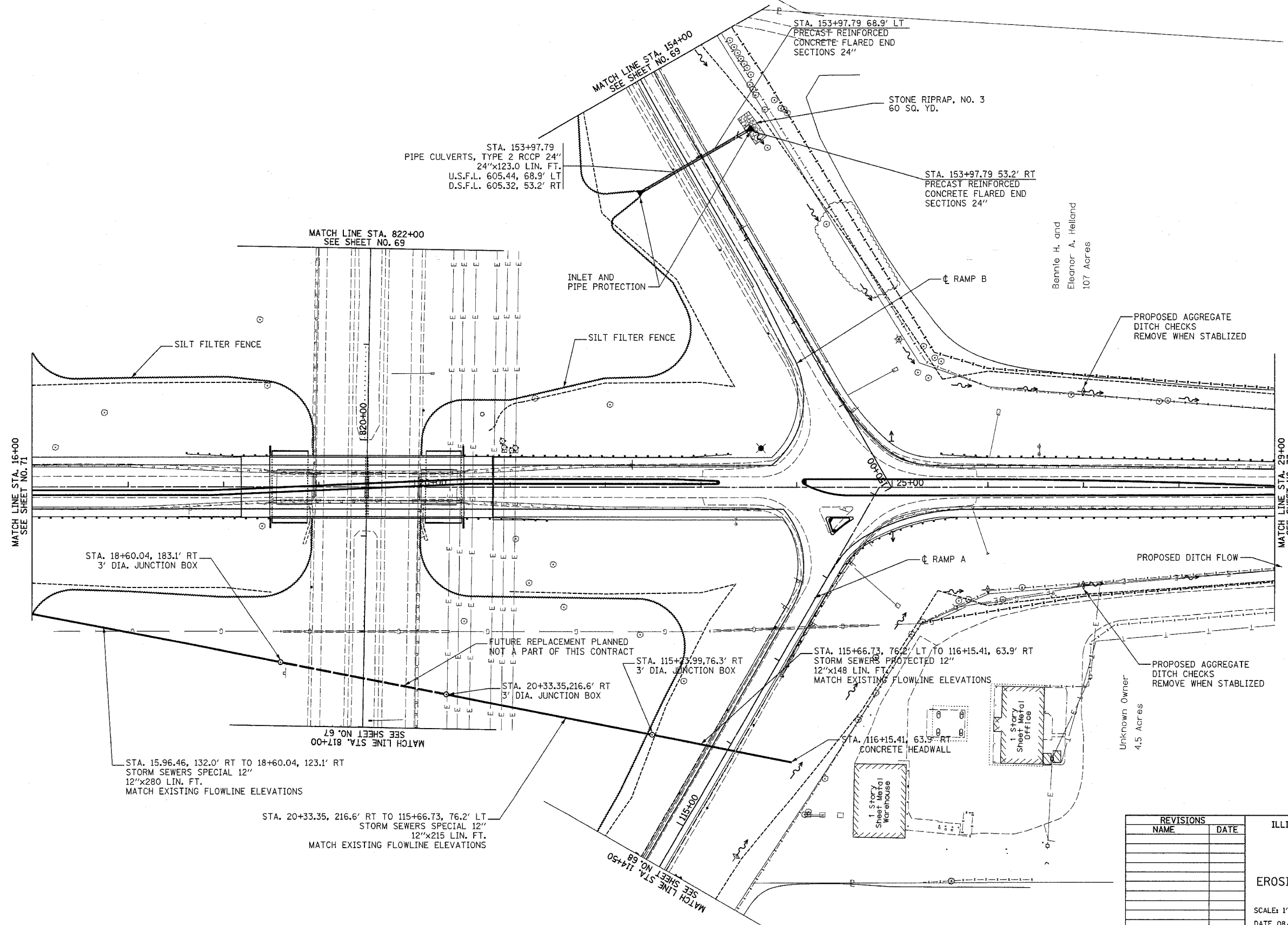
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO.		66412		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EROSION CONTROL AND DRAINAGE PLAN
 SENECA RD, FRONTAGE RD
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	72
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



MATCH LINE STA. 16+00
SEE SHEET NO. 71

MATCH LINE STA. 29+00
SEE SHEET NO. 73

STA. 18+60.04, 183.1' RT
3' DIA. JUNCTION BOX

STA. 15.96.46, 132.0' RT TO 18+60.04, 123.1' RT
STORM SEWERS SPECIAL 12"
12"x280 LIN. FT.
MATCH EXISTING FLOWLINE ELEVATIONS

STA. 20+33.35, 216.6' RT TO 115+66.73, 76.2' LT
STORM SEWERS SPECIAL 12"
12"x215 LIN. FT.
MATCH EXISTING FLOWLINE ELEVATIONS

FUTURE REPLACEMENT PLANNED
NOT A PART OF THIS CONTRACT

STA. 20+33.35, 216.6' RT
3' DIA. JUNCTION BOX

STA. 115+33.99, 76.3' RT
3' DIA. JUNCTION BOX

STA. 115+66.73, 76.2' LT TO 116+15.41, 63.9' RT
STORM SEWERS PROTECTED 12"
12"x148 LIN. FT.
MATCH EXISTING FLOWLINE ELEVATIONS

STA. 116+15.41, 63.9' RT
CONCRETE HEADWALL

1 Story Metal Warehouse

1 Story Metal Office

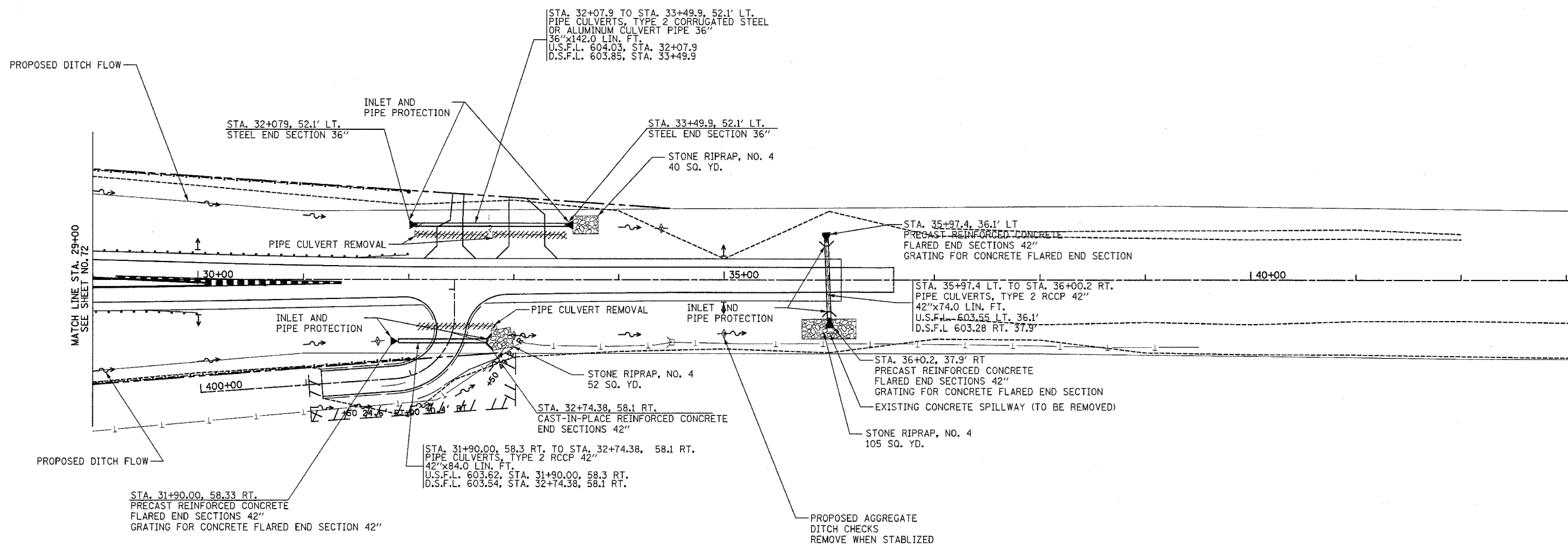
PROPOSED AGGREGATE
DITCH CHECKS
REMOVE WHEN STABILIZED

Unknown Owner
4.5 Acres

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**
EROSION CONTROL AND DRAINAGE PLAN
SENECA RD, RAMPS A & D
SCALE: 1" = 50'
DATE 08/16/04
DRAWN BY NMR/BJG
CHECKED BY DJL/JPL

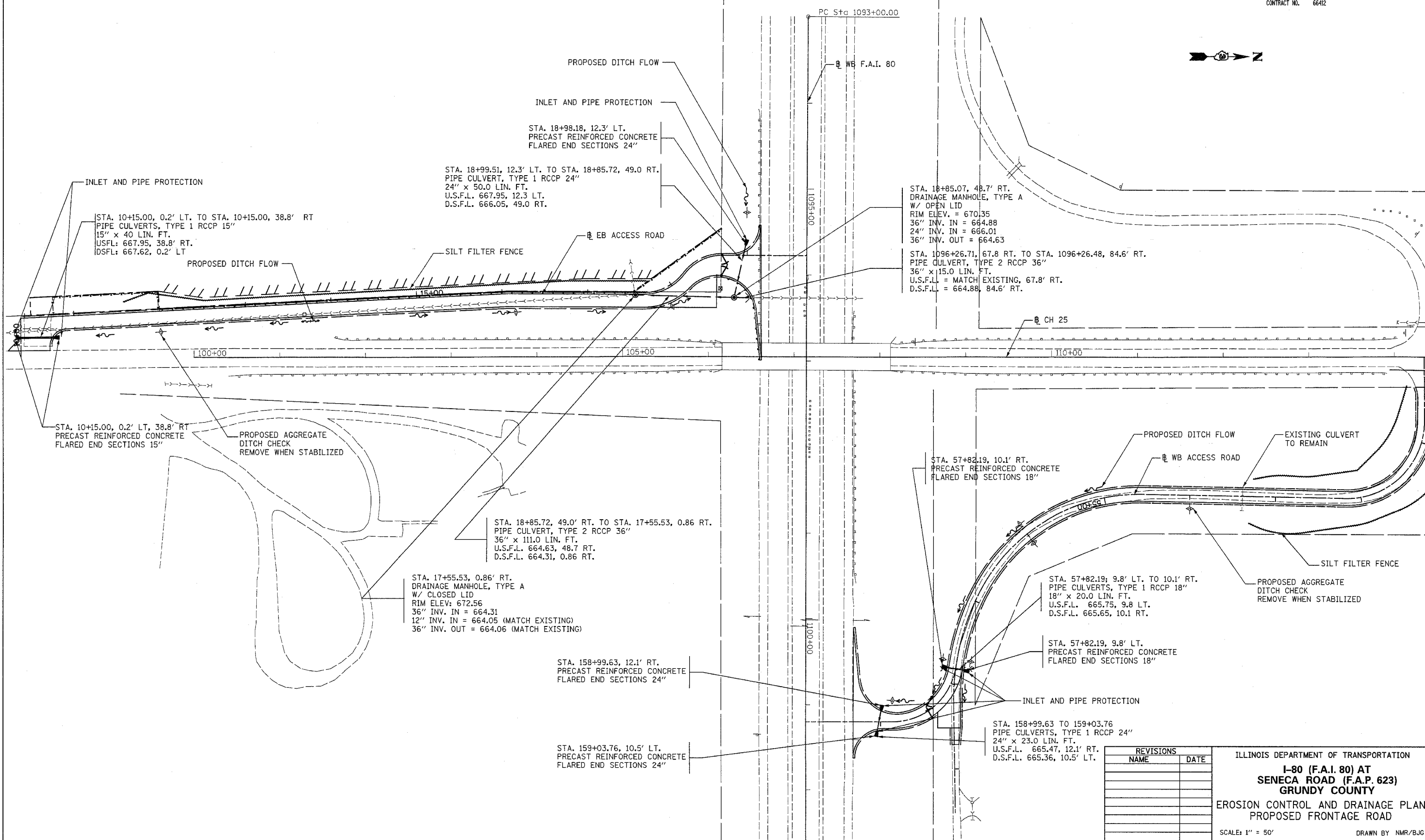
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	73
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EROSION CONTROL AND DRAINAGE PLAN
 SENECA RD
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

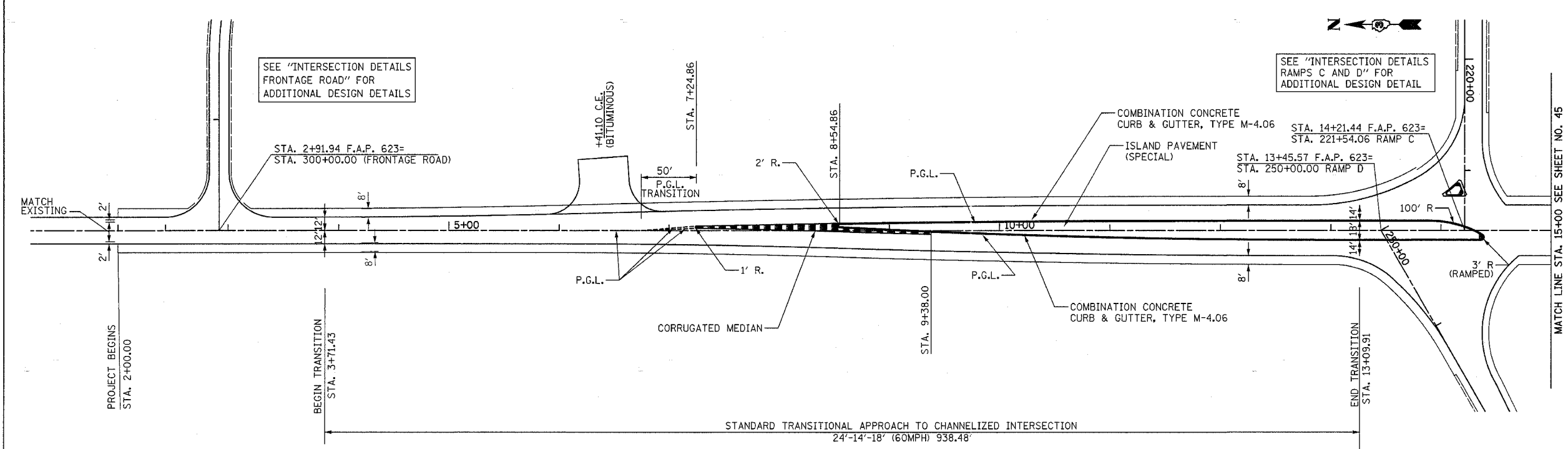
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	74
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EROSION CONTROL AND DRAINAGE PLAN
 PROPOSED FRONTAGE ROAD
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HR	GRUNDY	171	75
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO.	66412			



STATION	OFFSETS TO LEFT EDGE			OFFSETS TO RIGHT EDGE		
	PAVEMENT	MEDIAN	ISLAND	ISLAND	MEDIAN	PAVEMENT
3+71.43	12.00					12.00
3+96.43	12.03					12.00
4+21.43	12.14					12.00
4+46.43	12.31					12.00
4+71.43	12.54					12.00
4+96.43	12.85					12.00
5+21.43	13.22					12.00
5+46.43	13.67					12.00
5+71.43	14.18					12.00
5+94.83	14.71					12.00
5+96.43	14.75					12.00
6+21.43	15.40					12.04
6+25.12	15.50					12.05
6+46.43	16.08					12.16
6+71.43	16.72					12.35
6+96.43	17.34					12.61
7+21.43	17.92					12.95
7+24.86	18.00	4.00			-2.00	13.00
7+46.43	18.47	4.47			-1.64	13.36
7+71.43	18.99	4.99			-1.16	13.84
7+96.43	19.48	5.48			-0.60	14.40
8+21.43	19.94	5.97			0.04	15.04
8+46.43	20.36	6.36			0.74	15.74
8+54.86	20.50	6.50	6.50	-2.50	1.00	16.00
8+71.43	20.76		6.76	-1.68	1.50	16.50
8+96.43	21.12		7.12	-0.49	2.22	17.22
9+21.43	21.45		7.45	0.62	2.90	17.90
9+38.01	21.65		7.65	1.32	3.32	18.32
9+46.43	21.75		7.75	1.66		18.53
9+71.43	22.01		8.01	2.64		19.13
9+96.43	22.25		8.25	3.54		19.68
10+21.43	22.45		8.45	4.38		20.19
10+46.43	22.62		8.62	5.15		20.65
10+71.43	22.76		8.76	5.84		21.08
10+96.43	22.87		8.87	6.47		21.46
11+21.43	22.94		8.94	7.03		21.80
11+46.43	22.99		8.99	7.52		22.10
11+68.74	23.00		9.00	7.89		22.33
11+71.43	23.00		9.00	7.94		22.35
11+96.43	23.00		9.00	8.29		22.56
12+21.43	23.00		9.00	8.57		22.74
12+46.43	23.00		9.00	8.78		22.86
12+71.43	23.00		9.00	8.92		22.95
12+96.43	23.00		9.00	8.99		22.99
13+09.91	23.00		9.00	9.00		23.36

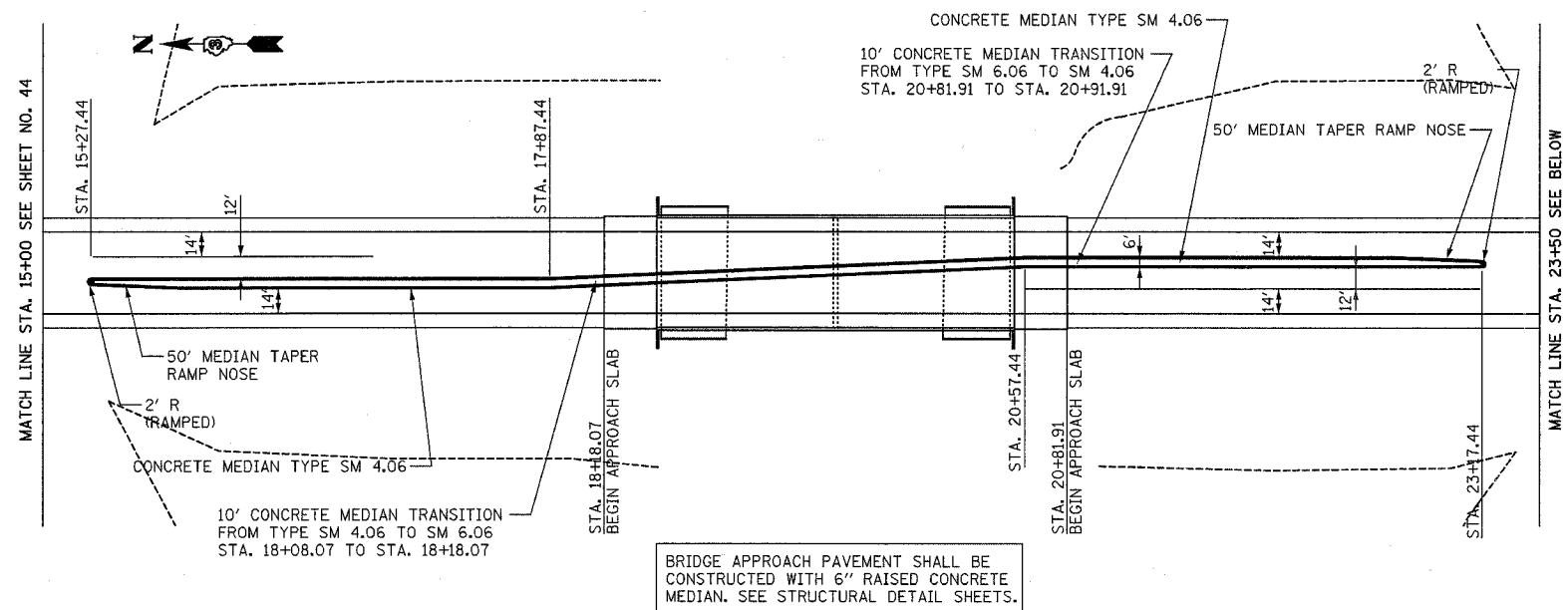
STANDARD TRANSITIONAL APPROACH TO CHANNELIZED INTERSECTION
24'-14'-18" (60MPH) 938.48'

REVISIONS	
NAME	DATE

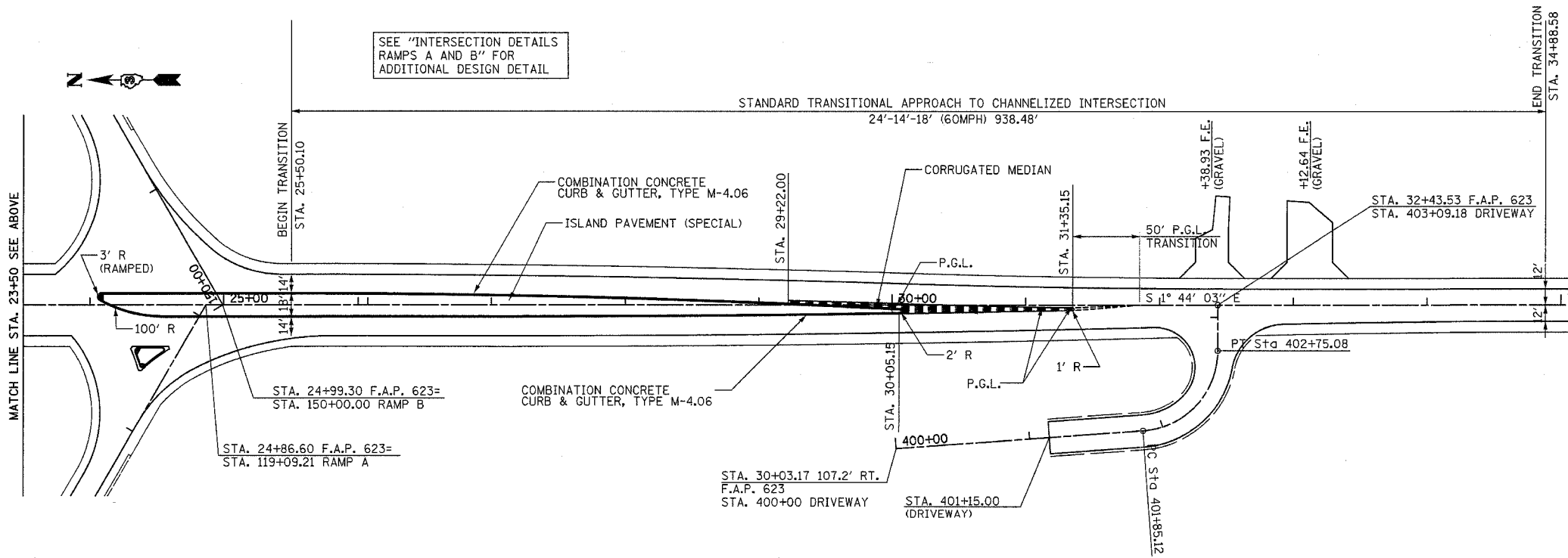
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 PAVEMENT TRANSITIONS AND
 APPROACH CHANNELIZATION
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	JTL	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 66412				

STATION	OFFSETS TO LEFT EDGE			OFFSETS TO RIGHT EDGE		
	PAVEMENT	MEDIAN	ISLAND	ISLAND	MEDIAN	PAVEMENT
25+50.10	23.00		9.00	9.00		23.00
25+63.58	23.00		9.00	8.99		22.99
25+88.58	23.00		9.00	8.92		22.95
26+13.58	23.00		9.00	8.78		22.86
26+38.58	23.00		9.00	8.57		22.74
26+63.58	23.00		9.00	8.29		22.56
26+88.58	23.00		9.00	7.94		22.35
26+91.27	23.00		9.00	7.89		22.33
27+13.58	22.99		8.99	7.52		22.10
27+38.58	22.94		8.94	7.03		21.80
27+63.58	22.87		8.87	6.47		21.46
27+88.58	22.76		8.76	5.84		21.08
28+13.58	22.62		8.62	5.15		20.65
28+38.58	22.45		8.45	4.38		20.19
28+63.58	22.25		8.25	3.54		19.68
28+88.58	22.01		8.01	2.64		19.13
29+13.58	21.75		7.75	1.66		18.53
29+22.00	21.65		7.65	1.32	3.32	18.32
29+38.58	21.45		7.45	0.62	2.90	17.90
29+63.58	21.12		7.12	-0.49	2.22	17.22
29+88.58	20.76		6.76	-1.68	1.50	16.50
30+05.15	20.50	6.50	6.50	-2.50	1.00	16.00
30+13.58	20.36	6.36			0.74	15.74
30+38.58	19.94	5.94			0.04	15.04
30+63.58	19.48	5.48			-0.60	14.40
30+88.58	18.99	4.99			-1.16	13.84
31+13.58	18.47	4.47			-1.64	13.36
31+35.15	18.00	4.00			-2.00	13.00
31+38.58	17.92					12.95
31+63.58	17.34					12.61
31+88.58	16.72					12.35
32+13.58	16.08					12.16
32+34.89	15.50					12.05
32+38.58	15.40					12.04
32+63.58	14.75					12.00
32+65.18	14.71					12.00
32+88.58	14.18					12.00
33+13.58	13.67					12.00
33+38.58	13.22					12.00
33+63.58	12.85					12.00
33+88.58	12.54					12.00
34+13.58	12.31					12.00
34+38.58	12.14					12.00
34+63.58	12.03					12.00
34+88.58	12.00					12.00



BRIDGE APPROACH PAVEMENT SHALL BE CONSTRUCTED WITH 6" RAISED CONCRETE MEDIAN. SEE STRUCTURAL DETAIL SHEETS.

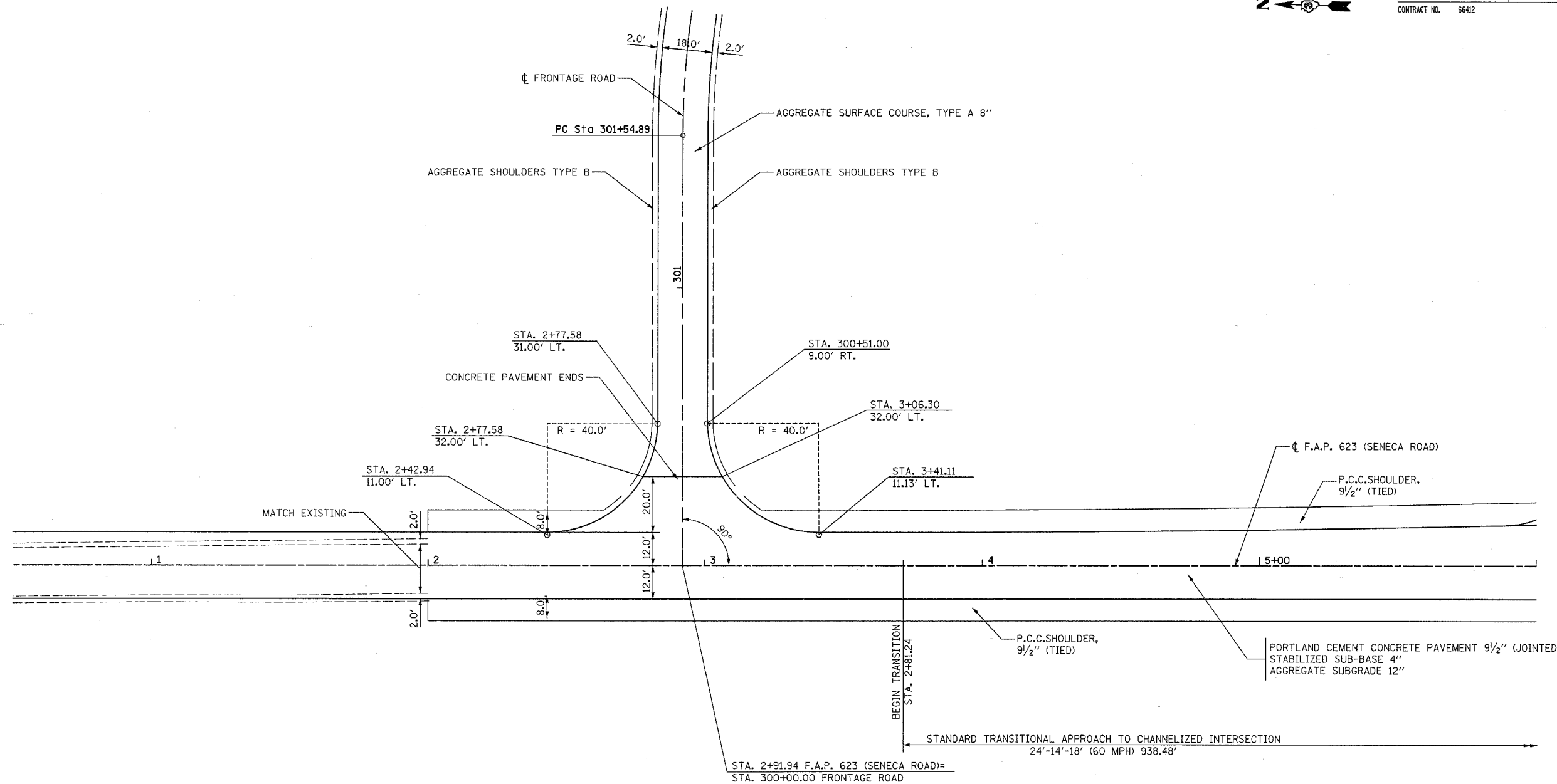


SEE "INTERSECTION DETAILS RAMP A AND B" FOR ADDITIONAL DESIGN DETAIL

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 PAVEMENT TRANSITIONS AND
 APPROACH CHANNELIZATION
 SCALE: 1" = 50'
 DATE 08/16/04
 DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

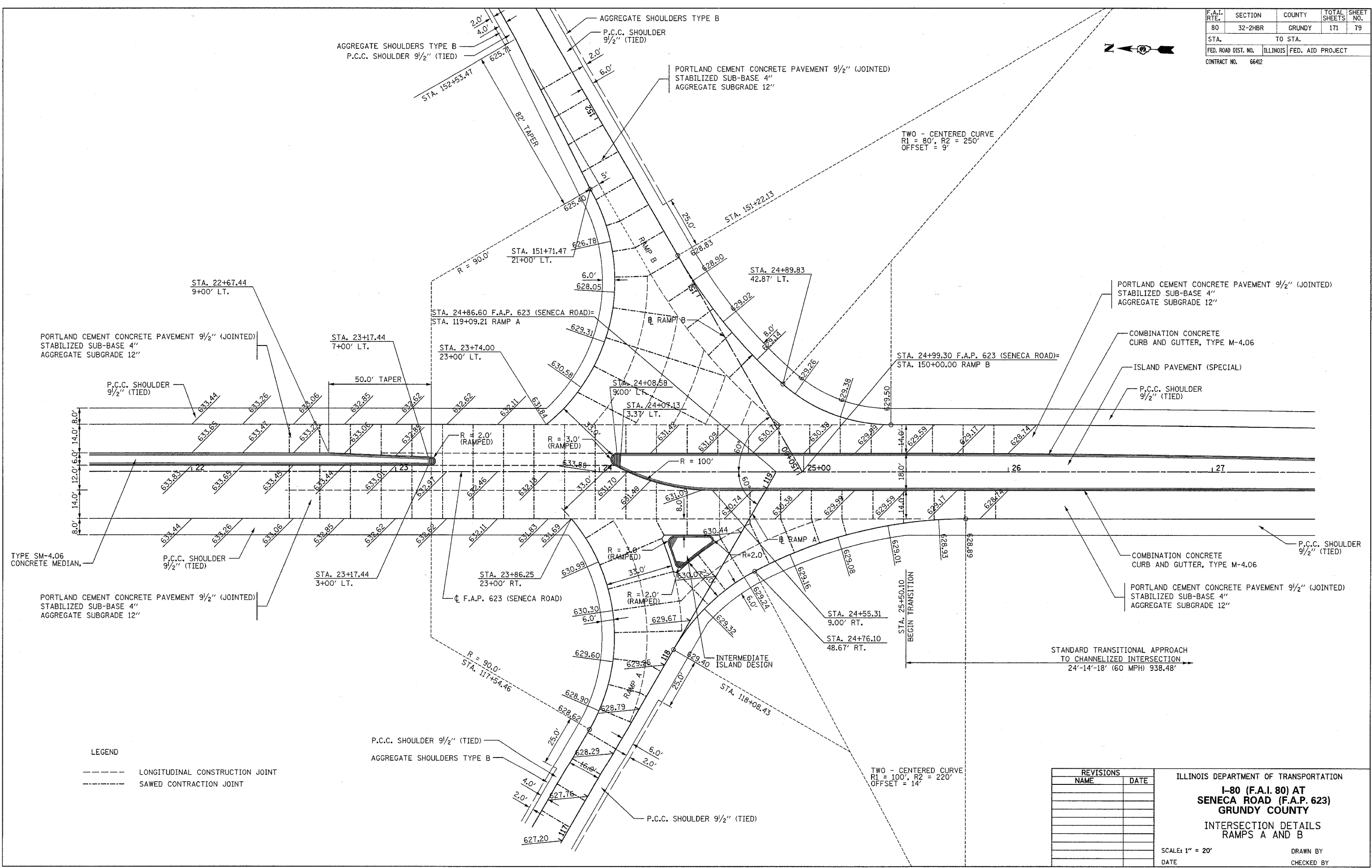
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	77
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 INTERSECTION DETAILS
 FRONTAGE ROAD
 SCALE: 1" = 20'
 DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	79
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



LEGEND

----- LONGITUDINAL CONSTRUCTION JOINT

----- SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

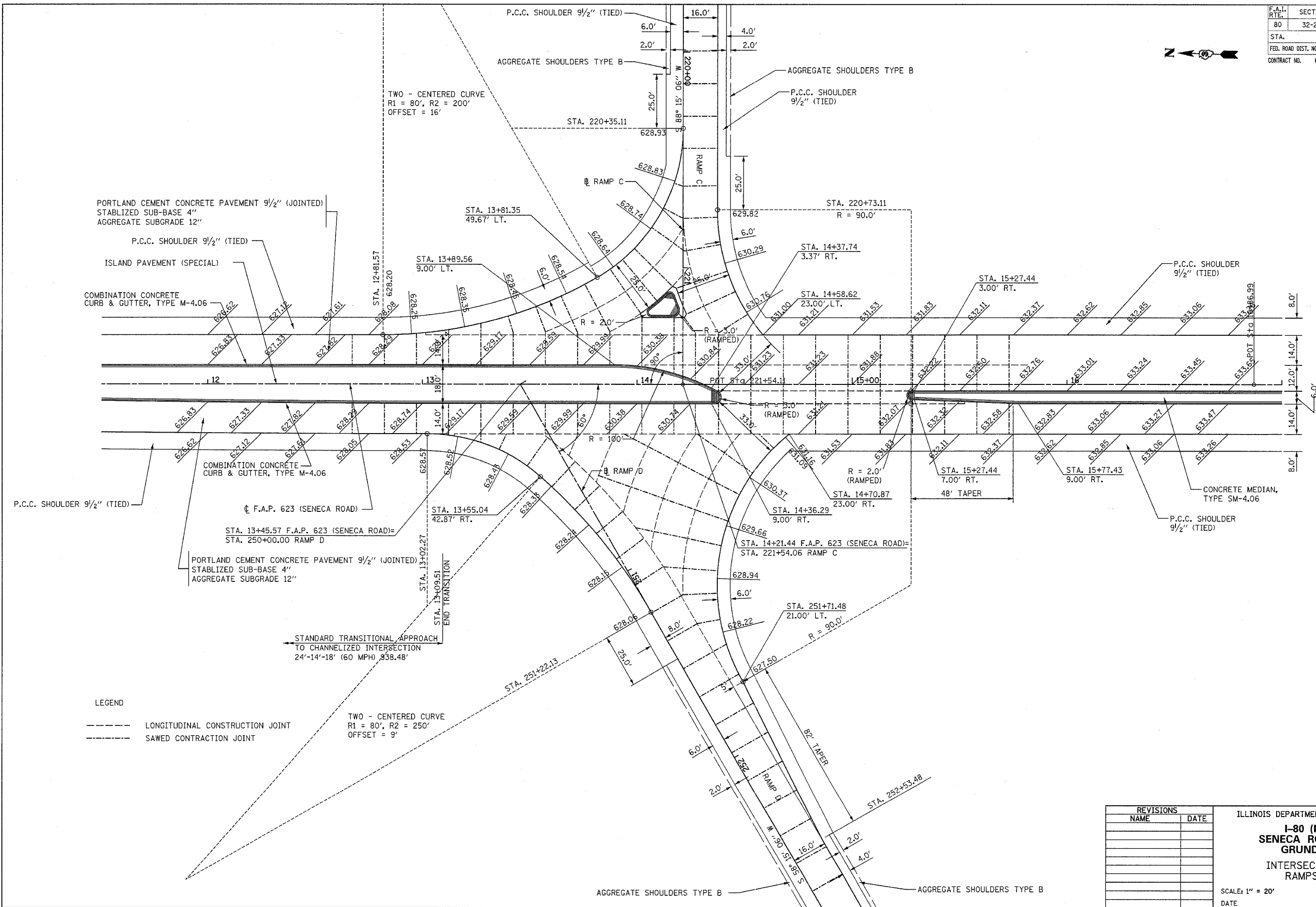
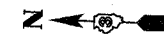
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**

INTERSECTION DETAILS
RAMPS A AND B

SCALE: 1" = 20'
DATE

DRAWN BY
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	78
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



LEGEND

----- LONGITUDINAL CONSTRUCTION JOINT

----- SAWED CONTRACTION JOINT

TWO - CENTERED CURVE
R1 = 80', R2 = 250'
OFFSET = 9'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

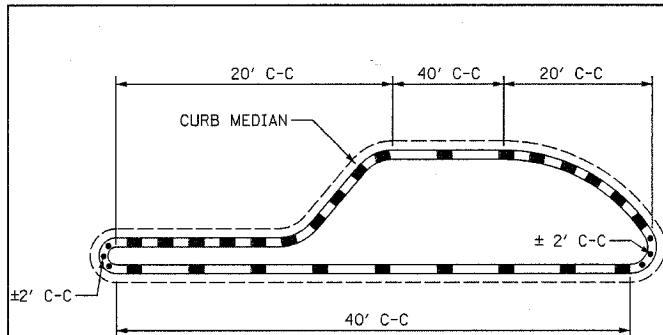
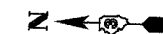
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**

INTERSECTION DETAILS
RAMPS C AND D

SCALE: 1" = 20'
DATE

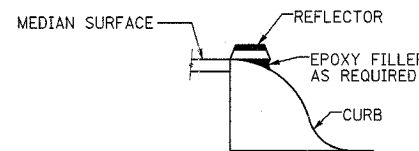
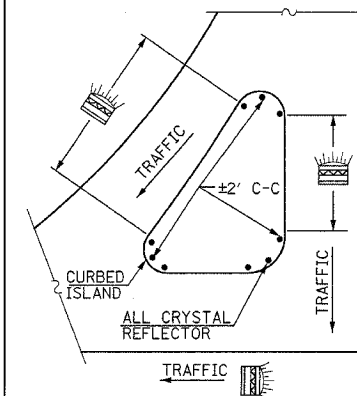
DRAWN BY
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	80
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		



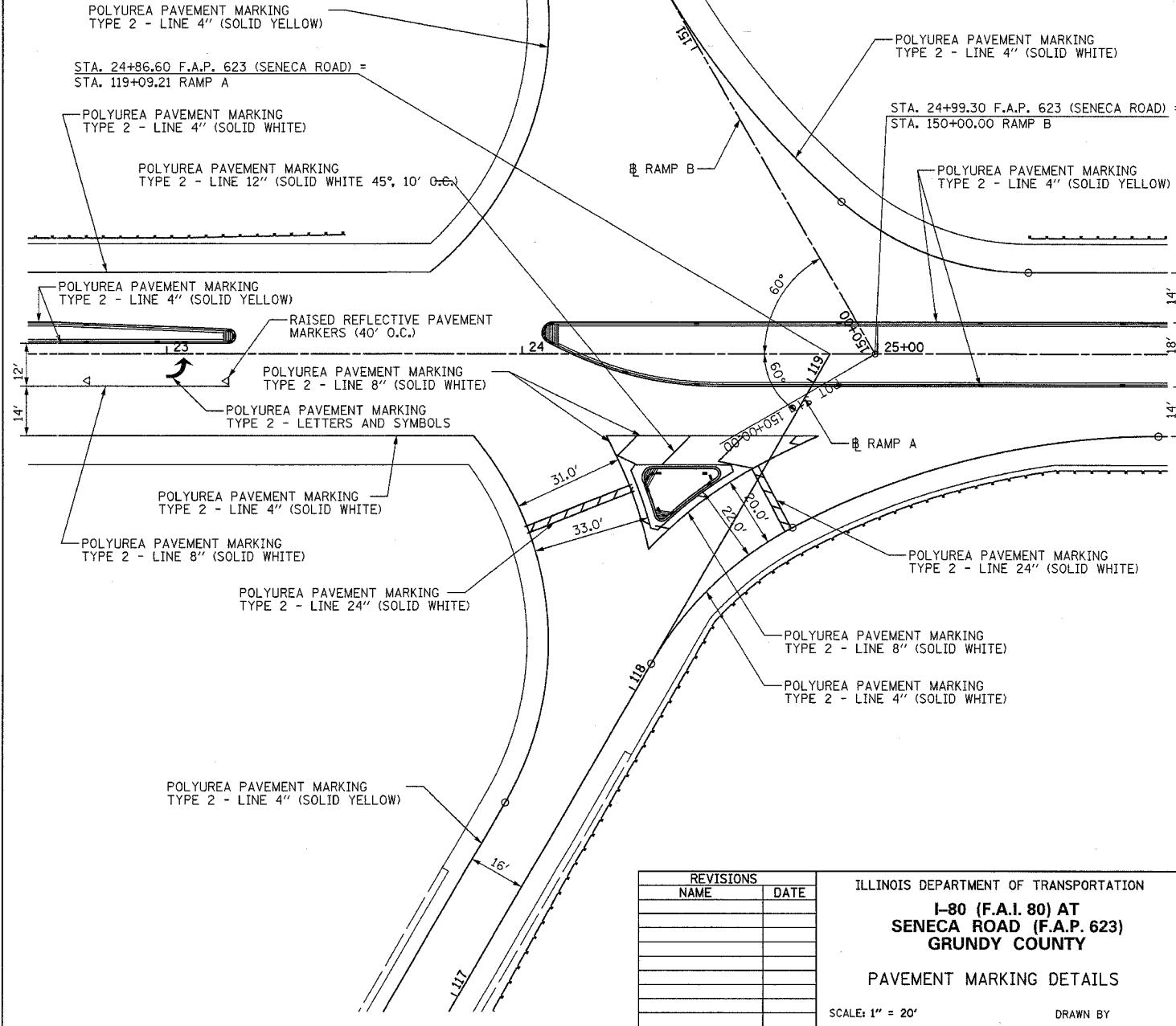
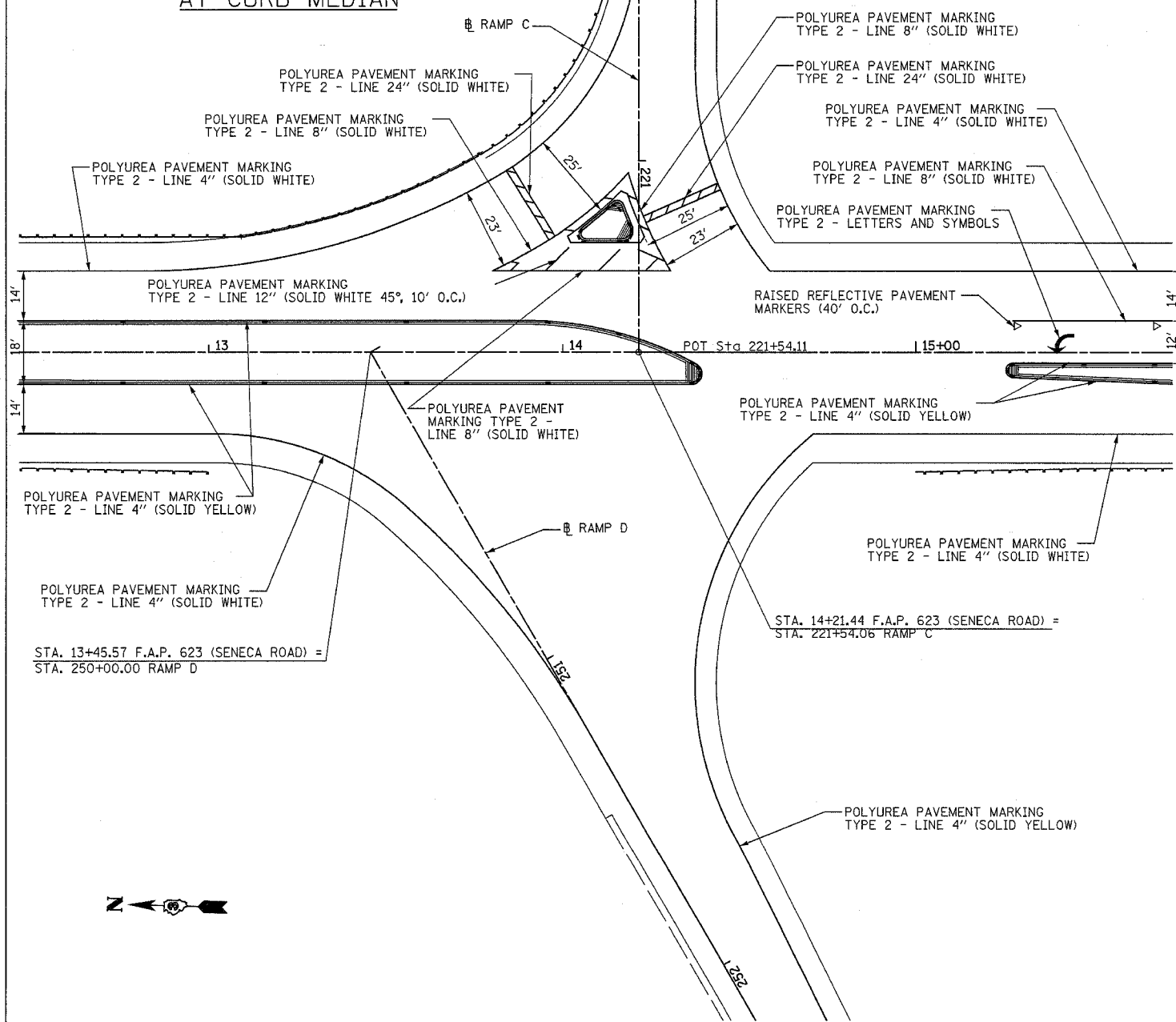
1. PRISMATIC CURB REFLECTORS SHALL BE POSITIONED BACK TO BACK AT EACH LOCATION IN ORDER TO MAKE THEM BI-DIRECTIONAL.
2. PRISMATIC CURB REFLECTORS SHALL BE SECURED IN PLACE WITH EPOXY ADHESIVE.
3. PRISMATIC CURB REFLECTORS SHALL BE AMBER IN COLOR.

PRISMATIC CURB REFLECTORS AT CURB MEDIAN



1. PRISMATIC CURB REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC CURB REFLECTORS SHALL BE SECURED IN PLACE WITH EPOXY ADHESIVE.
3. PRISMATIC CURB REFLECTORS SHALL BE AMBER OR CRYSTAL IN COLOR.

PRISMATIC CURB REFLECTORS AT CURB ISLAND



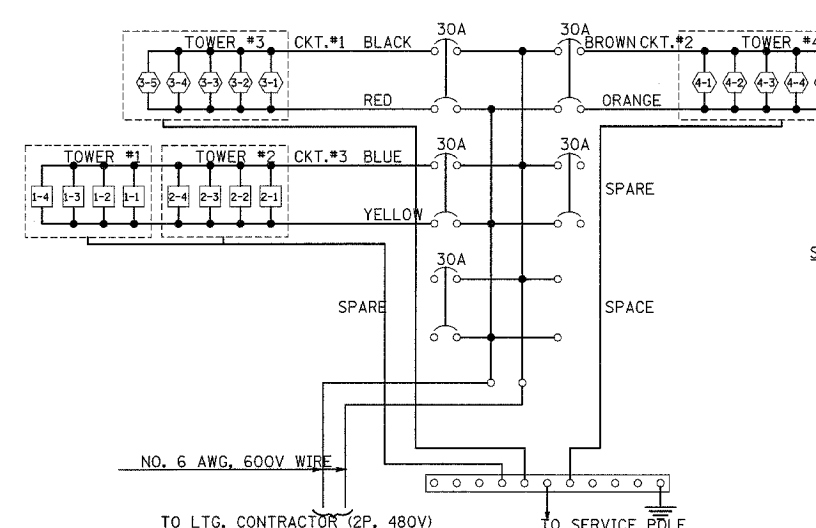
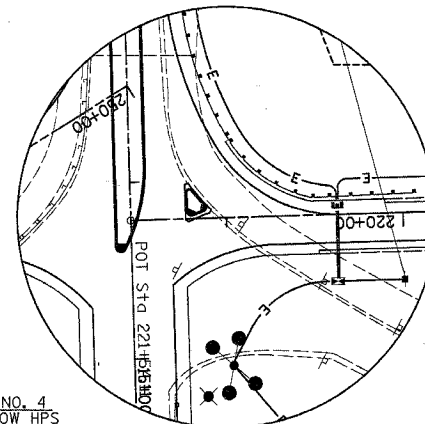
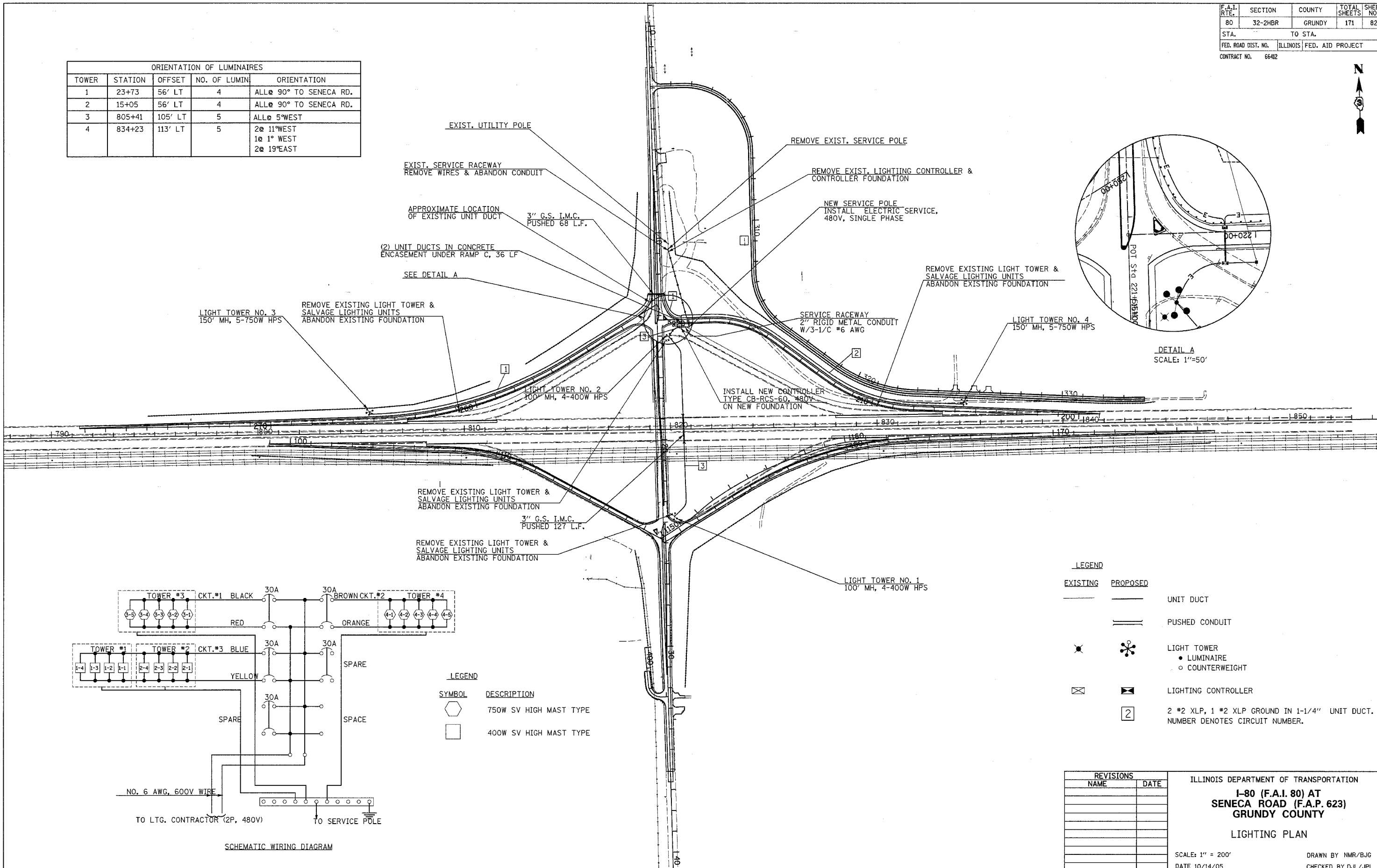
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 PAVEMENT MARKING DETAILS
 SCALE: 1" = 20'
 DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	82
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



ORIENTATION OF LUMINAIRES				
TOWER	STATION	OFFSET	NO. OF LUMIN	ORIENTATION
1	23+73	56' LT	4	ALL @ 90° TO SENECA RD.
2	15+05	56' LT	4	ALL @ 90° TO SENECA RD.
3	805+41	105' LT	5	ALL @ 5° WEST
4	834+23	113' LT	5	2 @ 11° WEST 1 @ 1° WEST 2 @ 19° EAST



LEGEND

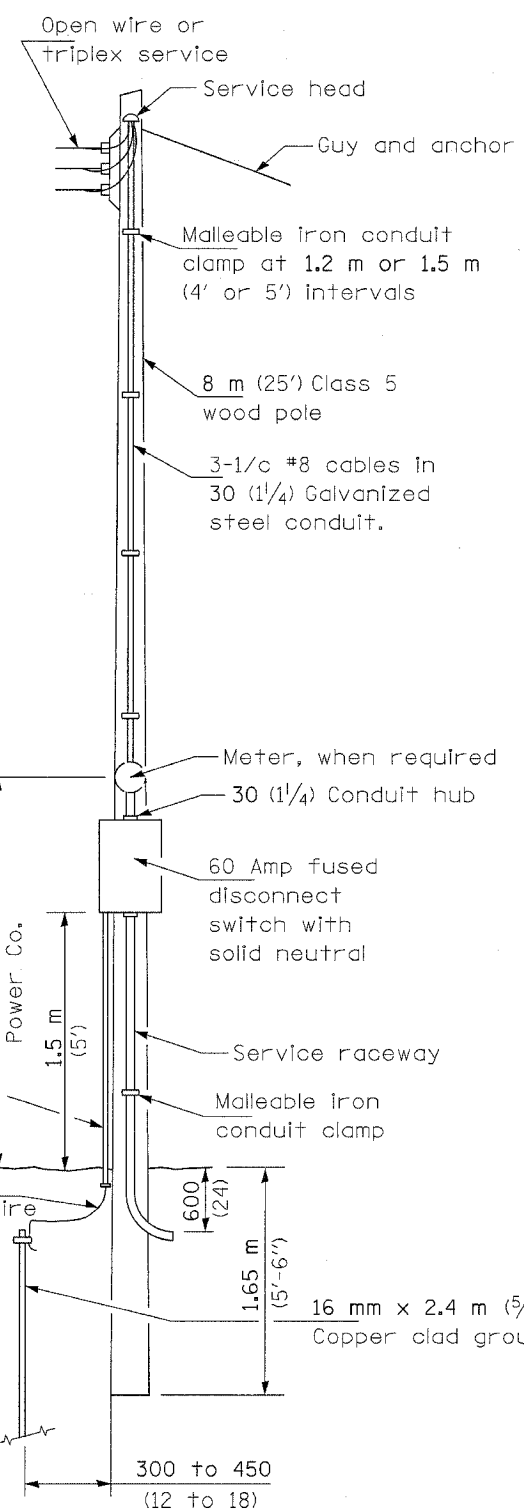
SYMBOL	DESCRIPTION
☆	750W SV HIGH MAST TYPE
□	400W SV HIGH MAST TYPE

LEGEND

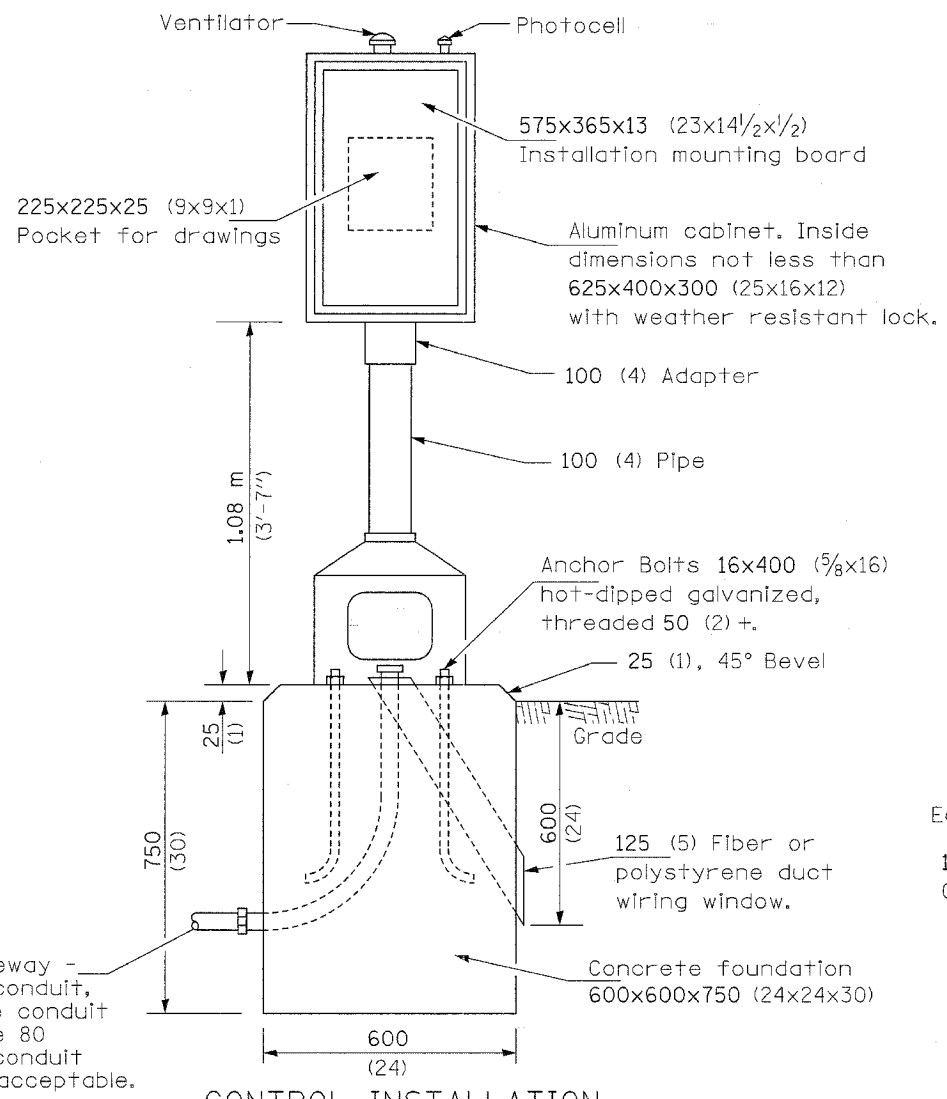
EXISTING	PROPOSED	DESCRIPTION
---	---	UNIT DUCT
---	---	PUSHED CONDUIT
☆	☆	LIGHT TOWER
●	●	LUMINAIRE
○	○	COUNTERWEIGHT
⊠	⊠	LIGHTING CONTROLLER
	2	2 #2 XLP, 1 #2 XLP GROUND IN 1-1/4" UNIT DUCT. NUMBER DENOTES CIRCUIT NUMBER.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 (F.A.I. 80) AT SENECA ROAD (F.A.P. 623) GRUNDY COUNTY LIGHTING PLAN
NAME	DATE	
		SCALE: 1" = 200' DATE 10/14/05 DRAWN BY NMR/BJG CHECKED BY DJL/JPL

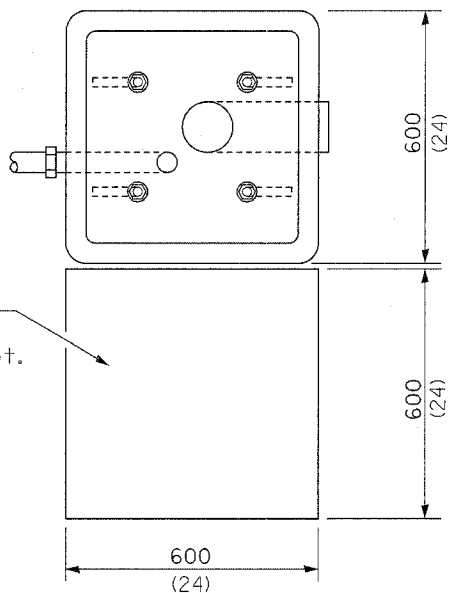
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	83
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		



SERVICE POLE



CONTROL INSTALLATION
Front View

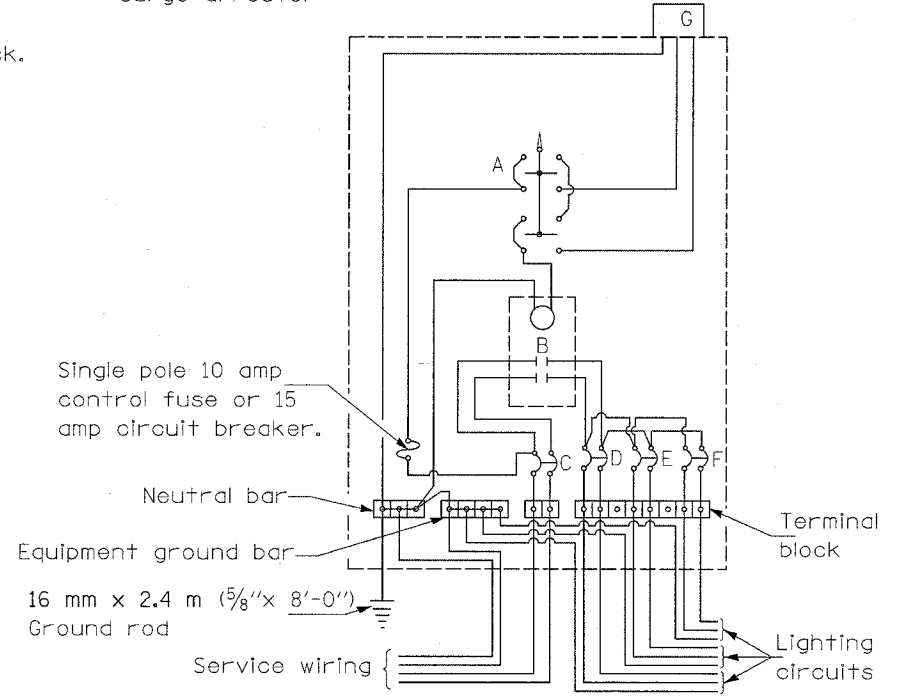


FOUNDATION
Top View

Service Raceway - Rigid metal conduit, intermediate conduit and schedule 80 nonmetallic conduit are equally acceptable.

Concrete pad 600x600x200 (24x24x8) to be placed in front of control cabinet.

- A Selector switch
- B 2 Pole 60 amp contactor
- C 2 Pole 60 amp service disconnect
- D,E,F 2 Pole 30 amp breakers
- G Photocell w/integral surge arrester



WIRING DIAGRAM

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 46 m (150'). Total aerial and underground service between the control installation and primary transformer shall not exceed 76 m (250').

For 480 V. systems, a 480/120 V. control transformer will be required.

Where soil conditions permit, and where approved by the Engineer, a 150 mm dia. x 1.5 m (6" dia. x 5'-0") long metal screw in foundation may be used in lieu of a concrete foundation.

All dimensions are in millimeters unless otherwise shown.

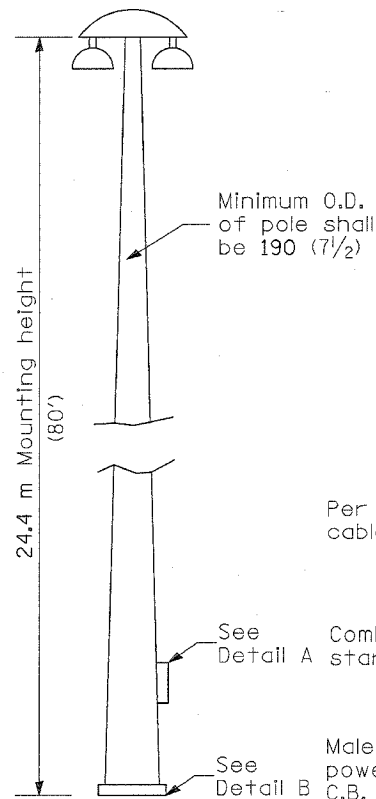
- 240 V. SERVICE
- 480 V. SERVICE

DATE	REVISIONS

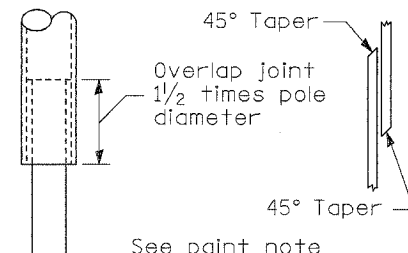
CONTROL INSTALLATION
TYPE CB-RCS-60

LGT006.M32

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	84
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.		66412		

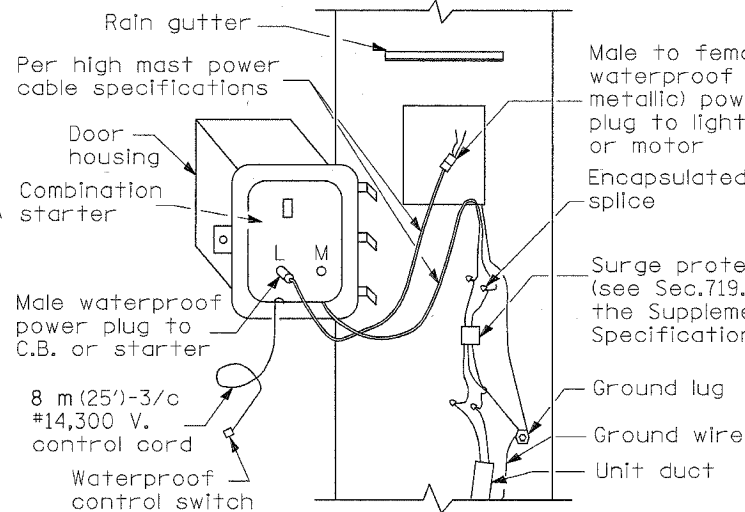


HIGH MAST POLE

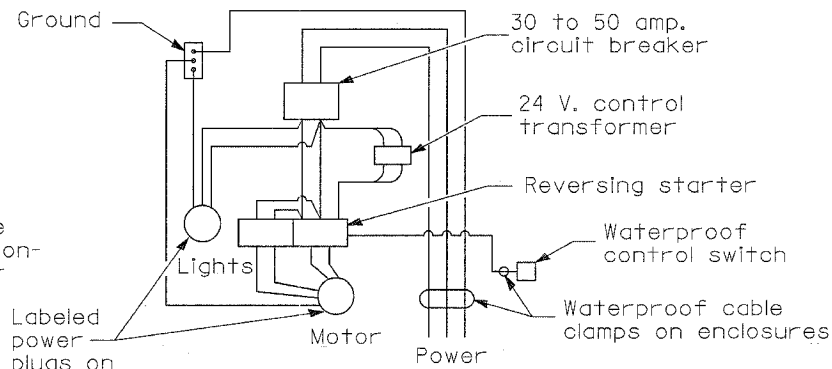


JOINT DETAIL

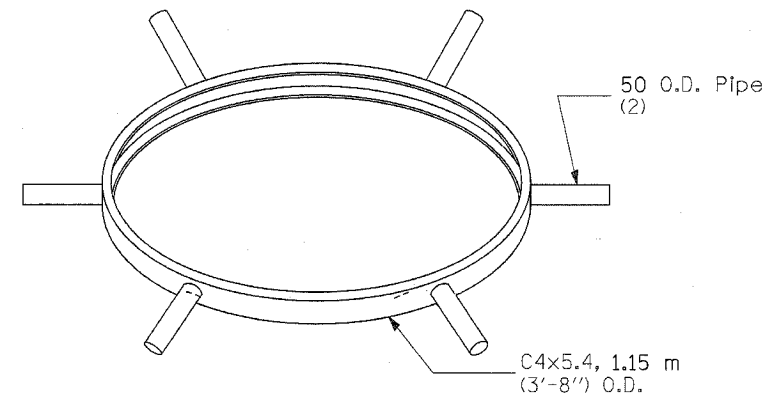
PAINT NOTE:
All poles shall be painted at the overlap joints. Male & female sections shall be painted in accordance with Section 719.10b of the Standard Specifications for Road and Bridge Construction.



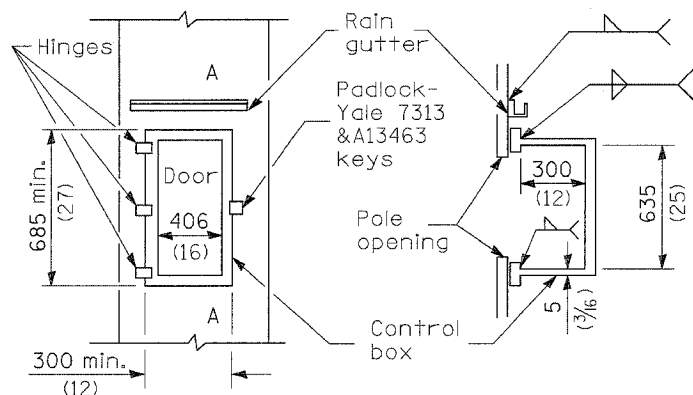
HIGH MAST POLE WIRING DETAIL



NOTE: Manufacturer of lowering device shall factory wire the winch drive electrical control system. Cable attachment to plugs and polarity must be observed to prevent faults to ground when plugs are changed between lights and motor circuits. Alternate schemes shall be approved by the Engineer.



LOWERING RING, DOWN LIGHT UNITS

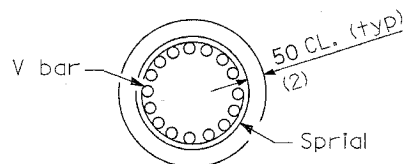


DETAIL A

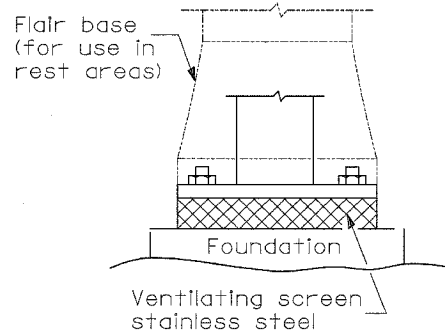
SECTION A-A

Dimensions are approximate (see Special Provisions)

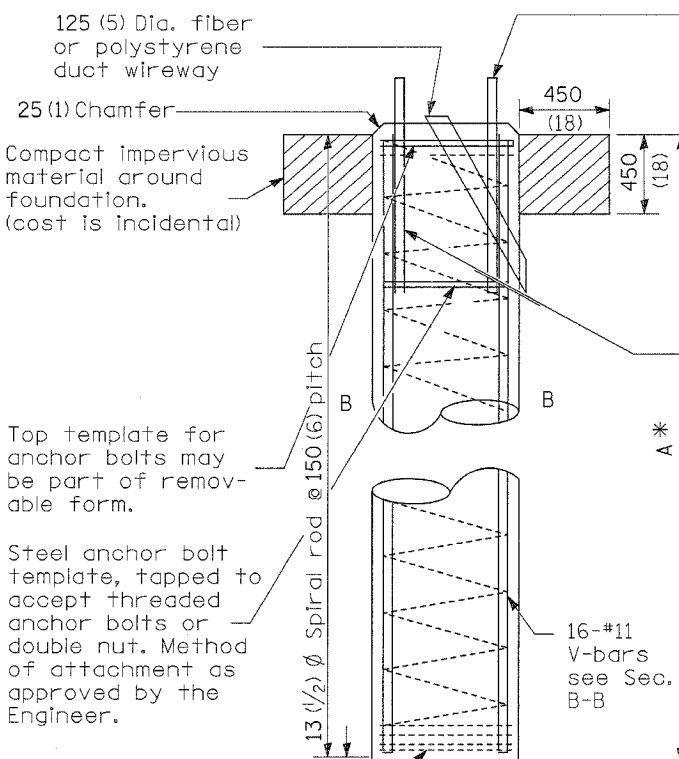
Handhole size for highmast poles shall be min. .21 m² (2.25 sq. ft.)



SECTION B-B



DETAIL B



HIGH MAST POLE FOUNDATION

Anchor bolt quantity, diameter, & length shall be determined by the approved drawings furnished by the pole manufacturer. (min. 6 required)

* NOTE: Dimension A is basis of payment

Method of bolt anchorage of embedded end shall be approved by the Engineer. The upper 1.1 m (3'-6") of the foundation shall be used. The cost of reinforcing is incidental to the footing.

NOTE: Concrete for foundation shall be in accordance with applicable portion of Section 504 of the Standard Specifications.

NOTE: Length of mast arms shall be long enough to aim all luminaires in any direction.

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

HIGH MAST TABLE		
TOWER	STATION	DIM. A*
1	23+73	13'
2	15+05	13'
3	805+41	18'
4	834+23	18'

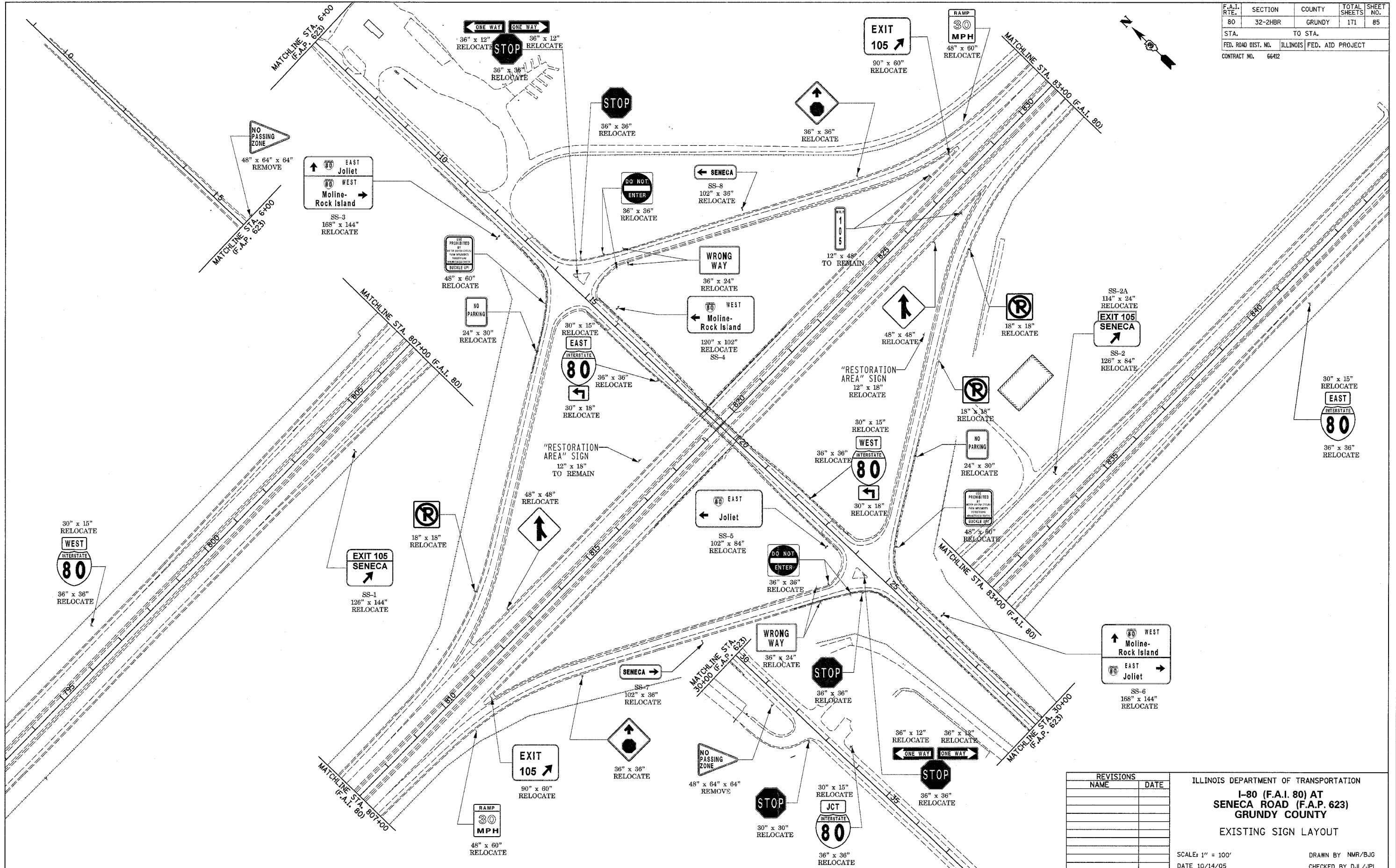
DATE	REVISIONS

LIGHT TOWER AND FOUNDATION

vi=dlight

LGT009vb2.M32

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	85
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.	66412			



REVISIONS	
NAME	DATE




ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 EXISTING SIGN LAYOUT

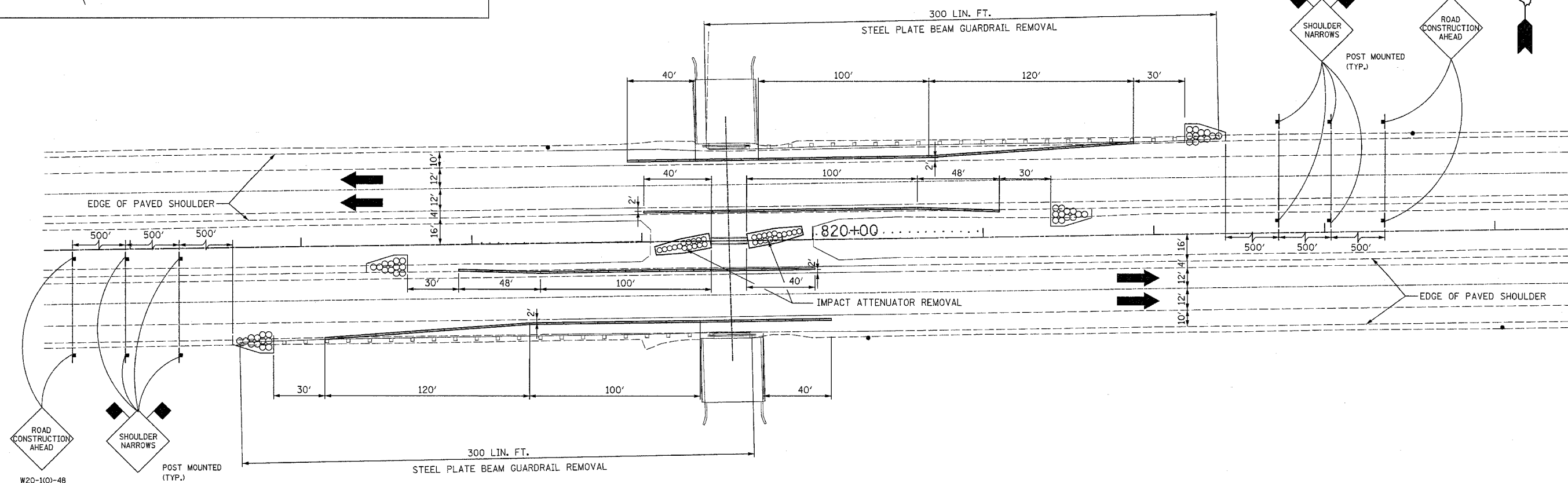
SCALE: 1" = 100'
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

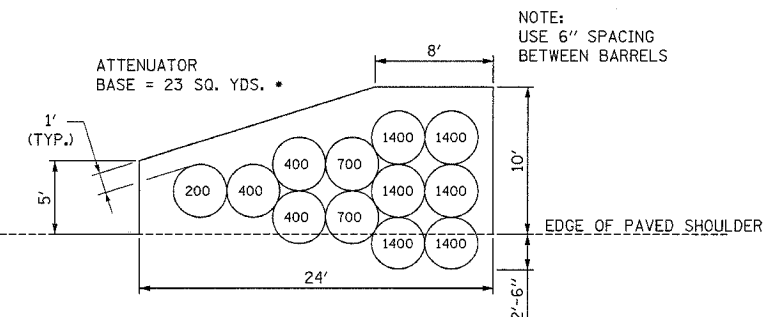
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	88
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				

LEGEND

-  INDICATES TEMP. CONC. BARRIERS
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  INDICATES 18"x18" ORANGE FLAG



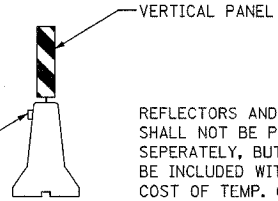
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3



NOTE: USE 6" SPACING BETWEEN BARRELS

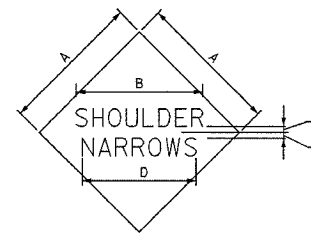
• REMOVAL OF ATTENUATOR BASE IS INCIDENTAL

VERTICAL PANEL AND PRISMATIC BARRIER SHALL BE PLACED AT 20' CENTERS IN TAPER AREA AND 50' CENTERS IN TANGENT AREA



PRISMATIC BARRIER REFLECTOR AMBER IN COLOR IN MEDIAN CRYSTAL COLOR ON OUTSIDE SHOULDERS

REFLECTORS AND PANELS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED WITH THE COST OF TEMP. CONC. BARRIERS.



SPECIAL SIGN

COLOR: LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS				
	A	B	C	D	E
48X48	48.0	33.5	3.0	35.7	2.0

SIGN SIZE	SERIES		MARGIN	MARGIN	BLANK STD.
	1	2			
48X48	6C	6C	0.8	1.2	84 48D

ALL DIMENSIONS IN INCHES

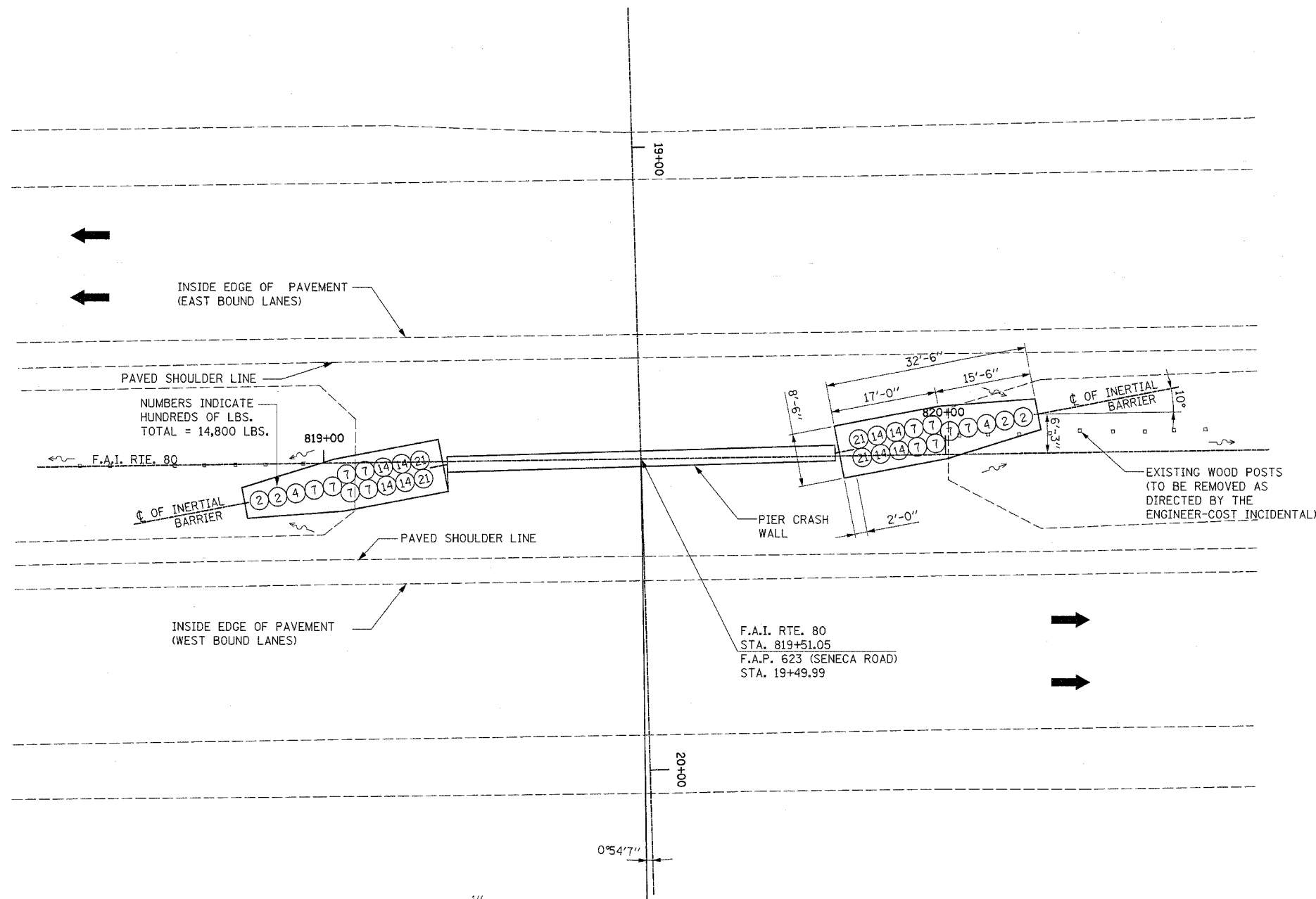
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
SENECA ROAD (F.A.P. 623)
GRUNDY COUNTY**
PLACEMENT OF TEMPORARY
CONCRETE BARRIERS

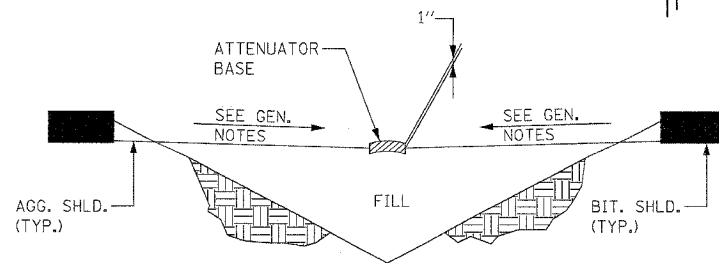
SCALE: 1" = 30'
DATE 08/16/04

DRAWN BY NMR
CHECKED BY DJL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	89
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				



- GENERAL NOTES**
1. THE 10:1 SLOPE CONTROLS NOSE OF ATTENUATOR BASE ELEVATION.
 2. ATTENUATOR BASE GRADE PARALLELS EDGE OF PAVEMENT GRADE.
 3. SLOPE ADJACENT TO ATTENUATOR BASE SHALL BE 10:1 OR FLATTER.



SECTION A - A

BILL OF MATERIAL

ITEM	UNIT	QUANT.
IMPACT ATTENUATORS (NON-DIRECTIVE), TEST LEVEL 3	EACH	2

SEE SPECIAL PROVISIONS



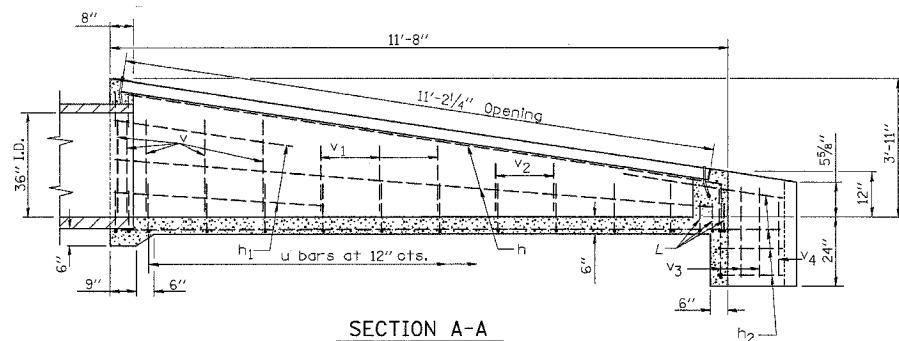
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 INERTIAL BARRIER INSTALLATION

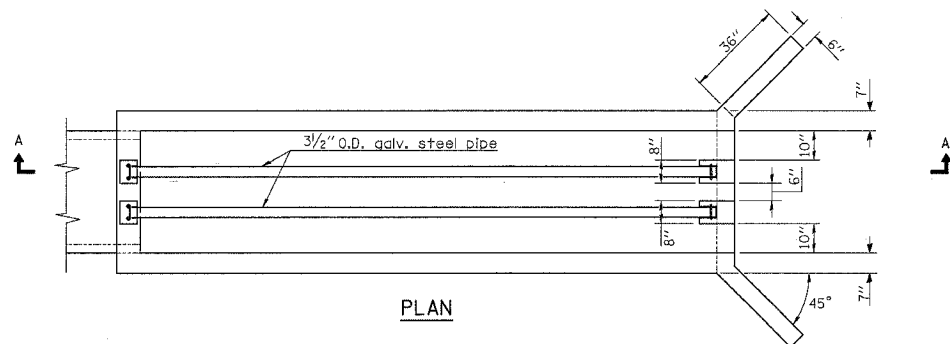
SCALE: 1" = 10'
 DATE 08/16/04

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

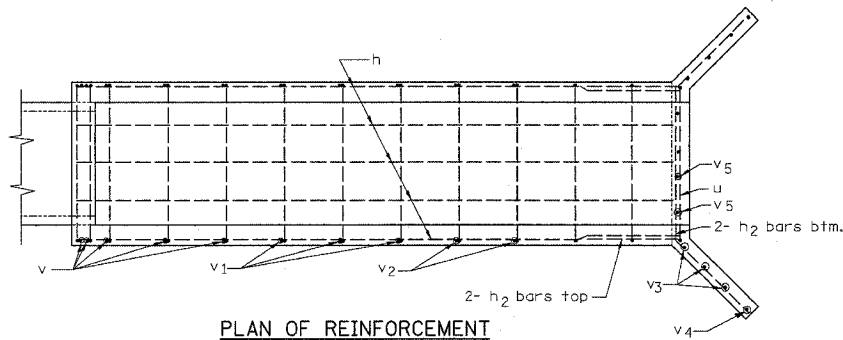
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	90
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 66412				



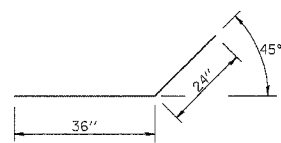
SECTION A-A



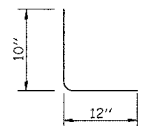
PLAN



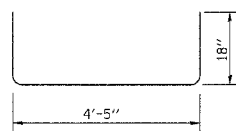
PLAN OF REINFORCEMENT



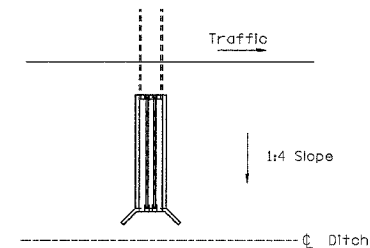
Bar h₂



Bar L



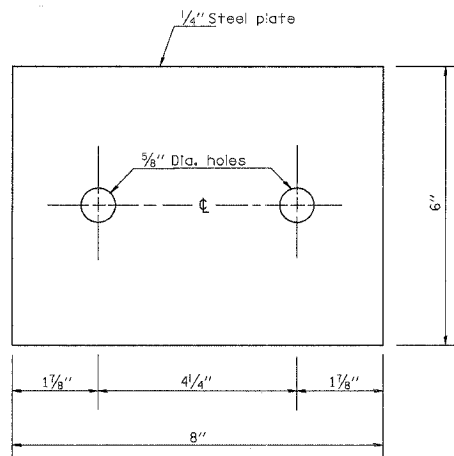
Bar u



Sketch showing location and direction of box in relation to centerline of ditch.

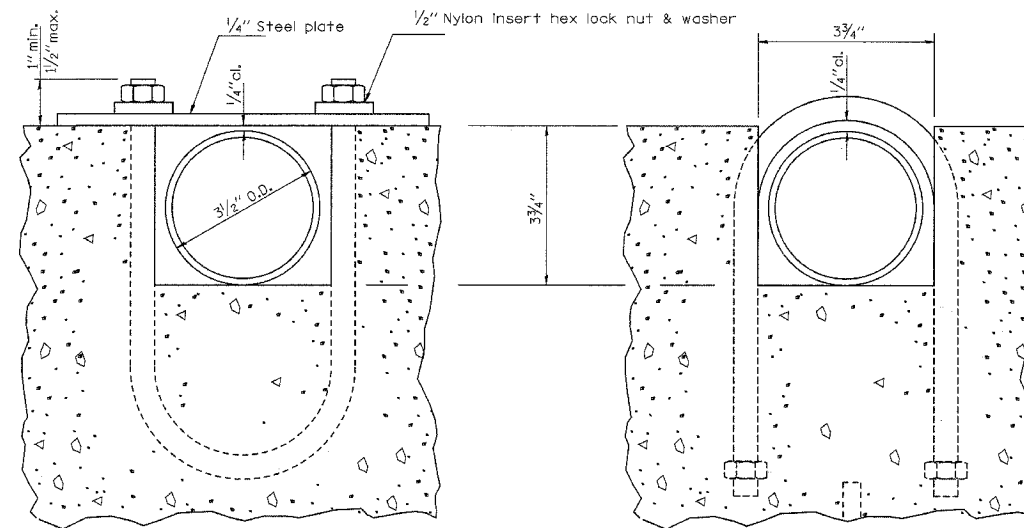
GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V/H).



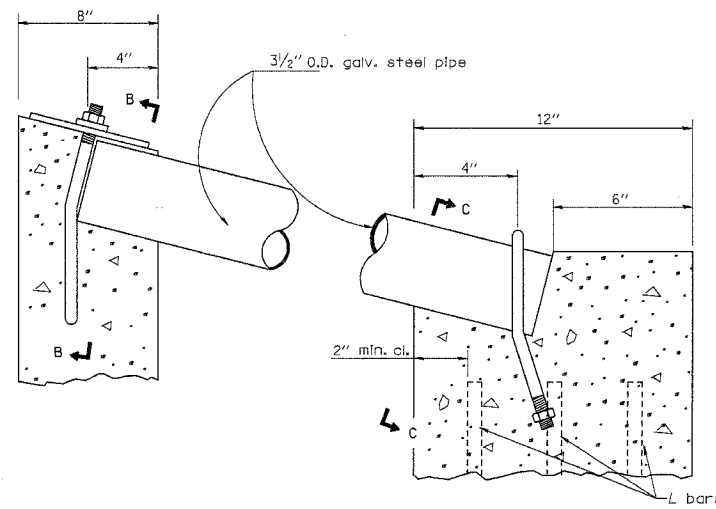
TOP ANCHOR PLATE

(2 - required)

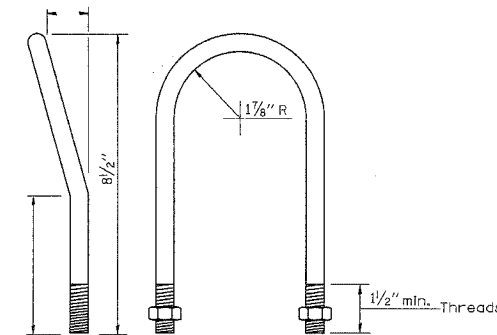


SECTION B-B

SECTION C-C



DETAIL AT BLOCKOUTS



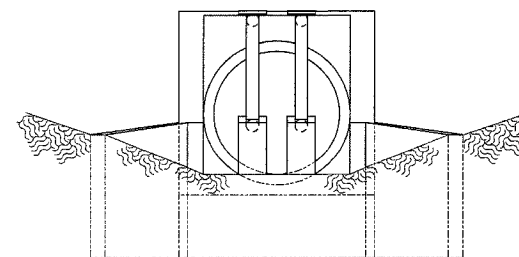
1/2" U BOLT

(4 - required)

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

Material required for one Inlet box

Bar	Qty.	Size	Length
h	9	No. 4	11'-4"
h ₁	4	No. 4	7'-6"
h ₂	8	No. 4	5'-0"
L	6	No. 4	22"
u	13	No. 4	7'-5"
v	10	No. 4	36"
v ₁	6	No. 4	28"
v ₂	4	No. 4	21"
v ₃	6	No. 4	30"
v ₄	2	No. 4	24"
v ₅	4	No. 4	18"
Concrete	cu. yds.		2.9
Reinf. Bars	lbs.		237
Galv. Steel Pipe	3 1/2" O.D.		2 at 11'-2"



END VIEW

REVISIONS	
NAME	DATE

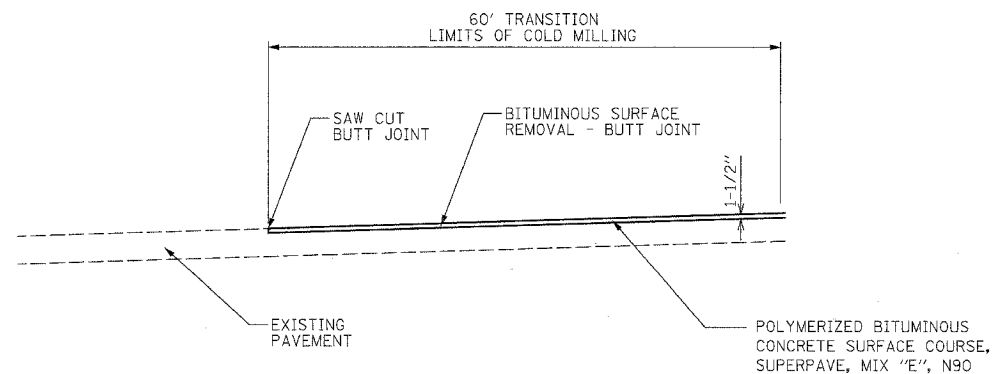
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 INLET BOX
 TYPE 36 SPECIAL DETAILS

SCALE: N.T.S.
 DATE 10/14/05

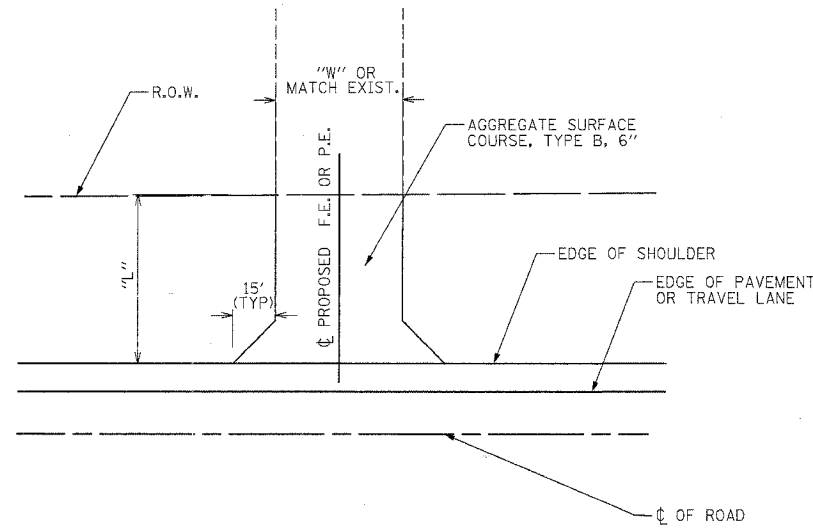
DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	91
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		66412		

LOCATION	BEGINNING TRAN.	ENDING TRAN.
F.A.I. 80 W.B.	STA. 791+36.73	STA. 791+96.73
F.A.I. 80 W.B.	STA. 839+84.02	STA. 840+44.02
F.A.I. 80 E.B.	STA. 800+52.68	STA. 801+12.68
F.A.I. 80 E.B.	STA. 845+74.05	STA. 846+34.05

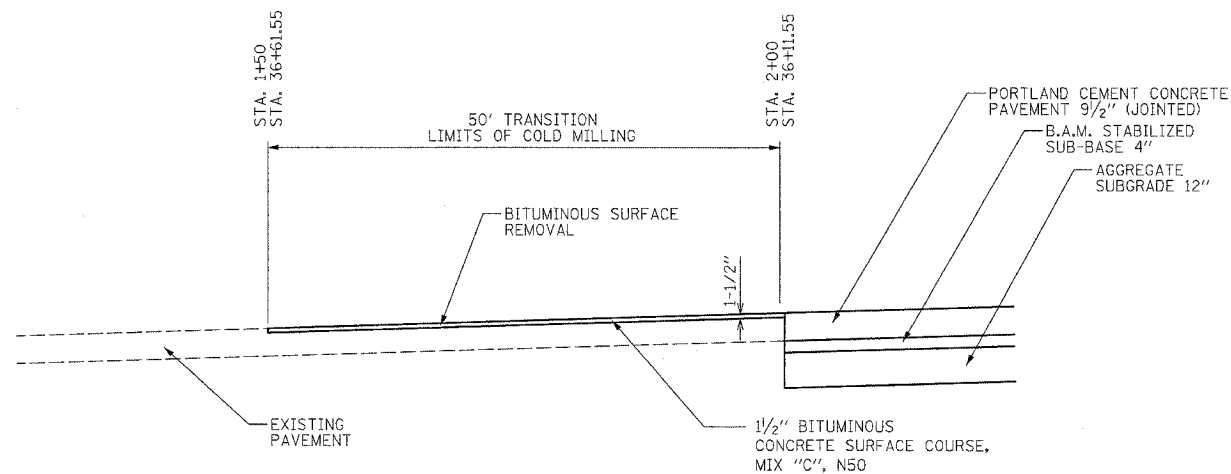


PAVEMENT INLAY
TRANSITION F.A.I. 80

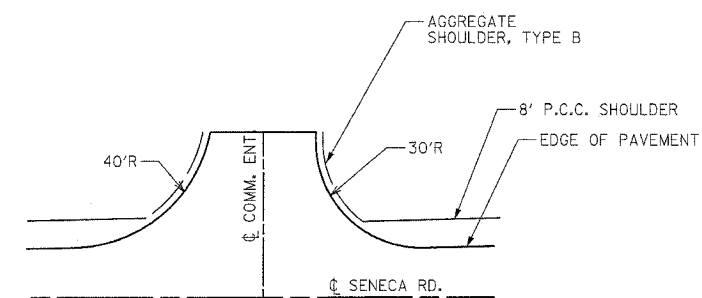


PLAN DETAILS OF
FIELD & PRIVATE ENTRANCE

LOCATION	WIDTH "W"	LENGTH "L"
SENECA RD. STA. 32+38.93 LT	MATCH EXIST.	50'
SENECA RD. STA. 33+12.64 LT	MATCH EXIST.	45'
FRONTAGE RD. STA. 324+81.9 LT	MATCH EXIST.	29'
FRONTAGE RD. STA. 325.72.2 LT	24'	29'
FRONTAGE RD. STA. 326+41.2 LT	24'	29'



PAVEMENT INLAY
SENECA RD



PLAN DETAILS OF
COMMERCIAL ENTRANCE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-80 (F.A.I. 80) AT
 SENECA ROAD (F.A.P. 623)
 GRUNDY COUNTY**
 MISCELLANEOUS
 DETAILS

SCALE: N.T.S.
 DATE 10/14/05

DRAWN BY NMR/BJG
 CHECKED BY DJL/JPL

GENERAL NOTES

STRUCTURAL STEEL

Fasteners shall be high strength bolts (AASHTO M 164, Type 1)
Bolts $7/8$ " ϕ , open holes $15/16$ " ϕ , unless otherwise noted.

Calculated weight of Structural Steel: AASHTO M270 Grade 50 = 381,982 Lb.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges, webs and all splice plate material except fill plates.

The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.

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 interstate green, Munsell No. 7.5G 1/2.

CAST-IN-PLACE CONCRETE

All exposed concrete edges shall have a $3/4$ " by 45 degree chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished groundline.

REINFORCEMENT

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

Reinforcement bars bending dimensions are out to out.

Reinforcement bars designated "E" shall be epoxy coated.

CONSTRUCTION

Field welding of construction accessories will not be permitted to beams or girders.

Anchor bolts shall be set before bolting diaphragms over supports.

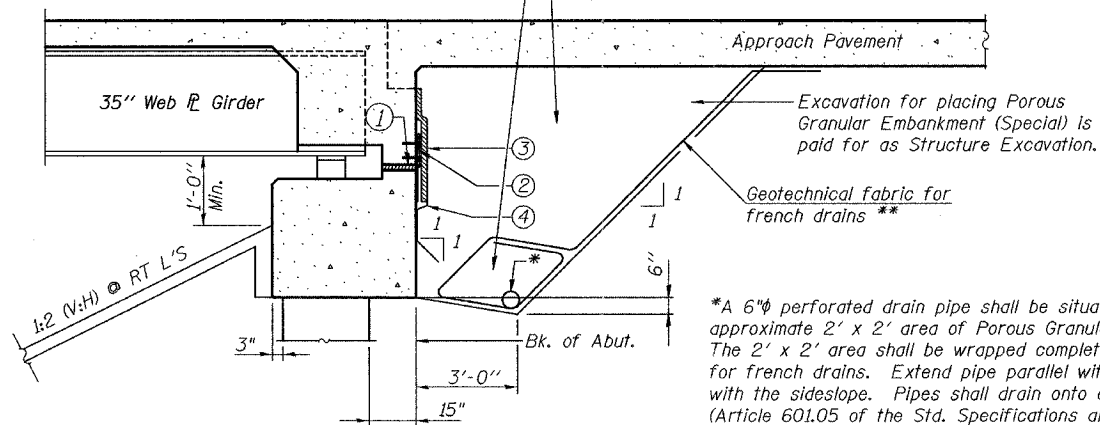
Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

All construction joints shall be bonded.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $1/8$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $1/8$ " adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each fixed bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two $1/8$ " adjusting shims shall be provided for each bearing and placed as detailed.

The contractor shall drive one metal shell test pile in a permanent location at the pier, as directed by the Engineer before ordering the remainder of piles.

Backfill with uncompacted Porous Granular Embankment (Special) with a gradation of CA-5 or CA-7 by Bridge Contractor after superstructure is in place. Limits shall be 1'-0" from the end of each wingwall.



Items ① ② ③ & ④ shall be included in the cost of Concrete Superstructure

** Included in the cost of Porous Granular Embankment (Special)

SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

- ① 2" Preformed Joint Filler (Section 1051 of the Standard Specifications) bonded to abutment cap with approved adhesive (full width of cap)
- ② Fabric Reinforced Elastomeric Mat (See Special Provisions). Fabric mat shall be 24" wide and attached full width to the abutment cap with a $3/8$ " x 5" steel plate and $1/2$ " ϕ studs with nuts and washers at 12" cts.
- ③ 2" Preformed Joint Filler (Section 1051 of the Standard Specifications) bonded to superstructure (full width of cap)
- ④ Geocomposite Wall Drain (Section 591 of the Standard Specifications - full width of cap)

LIST OF STRUCTURAL DRAWINGS

TITLE	SHEET
General Plan & Elevation	S1
General Notes & Bill of Material	S2
Top of Slab Elevation Layout	S3
Top of Slab Elevations I	S4
Top of Slab Elevations II	S5
Superstructure	S6
Superstructure Details I	S7
Superstructure Details II	S8
Framing Plan	S9
Beam Details	S10
Bearing Details	S11
Anchor Bolt Details for Bearings	S12
North Abutment	S13
Pier Details I	S14
Pier Details II	S15
South Abutment	S16
Bar Splicer Details	S17
Soil Borings I	S18
Soil Borings II	S19
Soil Borings III	S20

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU. YD.	—	271	271
Floor Drains	EACH	12	—	12
Concrete Structures	CU. YD.	—	205	205
Concrete Superstructure	CU. YD.	454	—	454
Bridge Deck Grooving	SQ. YD.	1,178	—	1,178
Protective Coat	SQ. YD.	1,598	—	1,598
Elastomeric Bearing Assembly, Type I	EACH	18	—	18
Furnishing and Erecting Structural Steel	L SUM	1	—	1
Stud Shear Connectors	EACH	4,212	—	4,212
Reinforcement Bars	POUND	—	22,120	22,120
Reinforcement Bars, Epoxy Coated	POUND	105,910	27,920	133,750
Slope Wall 4 Inch	SQ. YD.	—	681	681
Furnishing Metal Pile Shells 14"	FOOT	—	1,674	1,674
Driving and Filling Shells	FOOT	—	1,674	1,674
Test Pile Metal Shells	EACH	—	1	1
Name Plates	EACH	1	—	1
Bar Splicers	EACH	124	—	124
Drilled Shaft in soil 30"	FOOT	—	600	600
Porous Granular Embankment (Special)	CU. YD.	—	267	267
Protective Shield	SQ. YD.	420	—	420

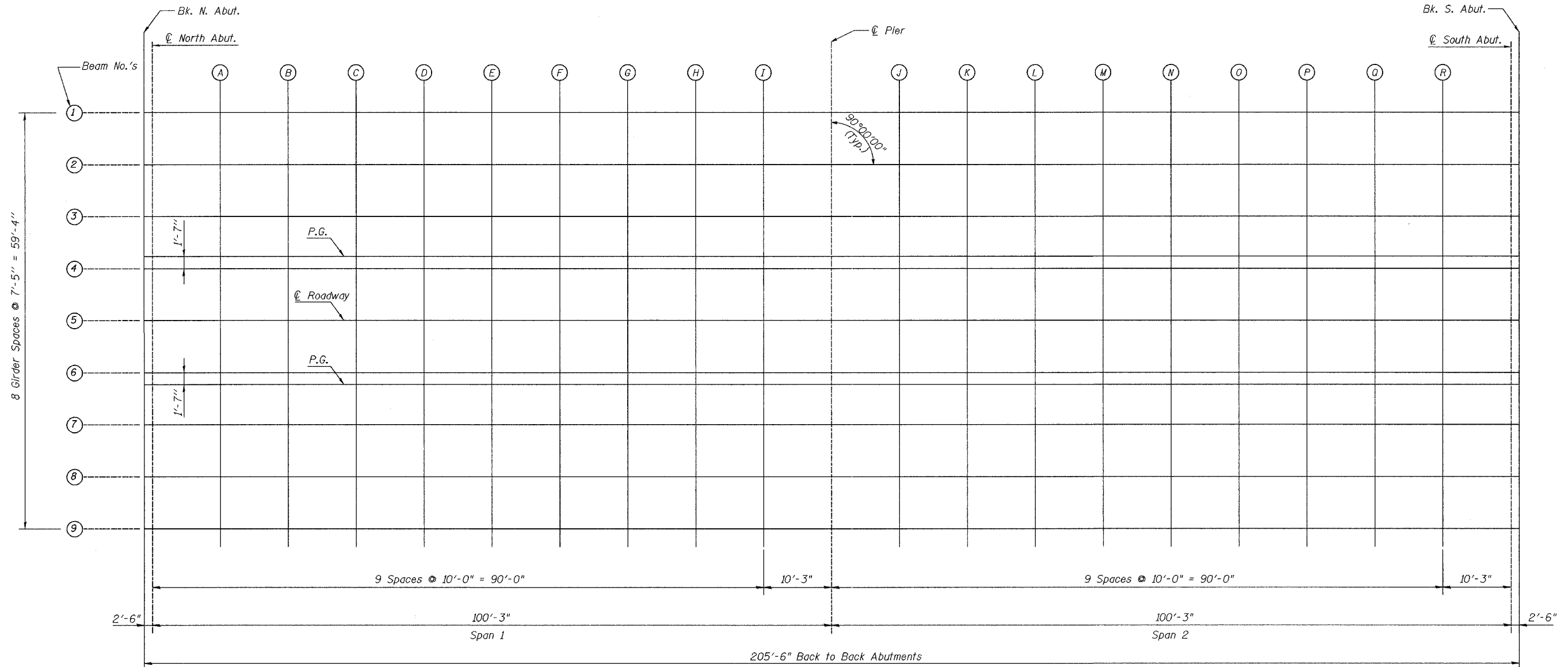
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**SENECA ROAD
OVER F.A.I. 80**
F.A.P. 623 SEC. 32-2 HBR GRUNDY CO.
STRUCTURE No. 032-0114
STATION 19+49.99
GENERAL NOTES &
BILL OF MATERIAL

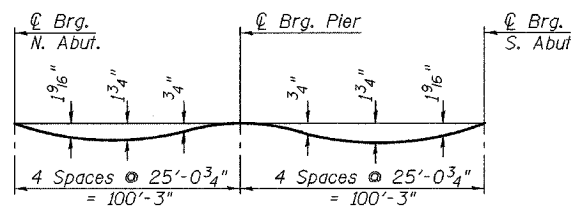
 **Louis Berger & Associates, Inc.**
1001 Elm Street, Suite 300
Manchester, NH 03101

SCALE: NONE
DATE: OCTOBER, 2005
DRAWN BY: NJH
CHECKED BY: JLG

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	32-2 HBR	GRUNDY	171	96
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				
SHEET S3 OF S20				



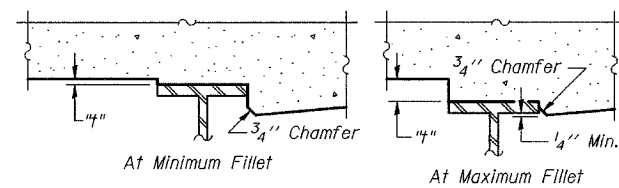
PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheets S4 and S5.



To determine "f": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S4 and S5, minus slab thickness, equals the fillet heights "f" above the top flanges of the girders.

FILLET HEIGHTS

REVISIONS	
NAME	DATE

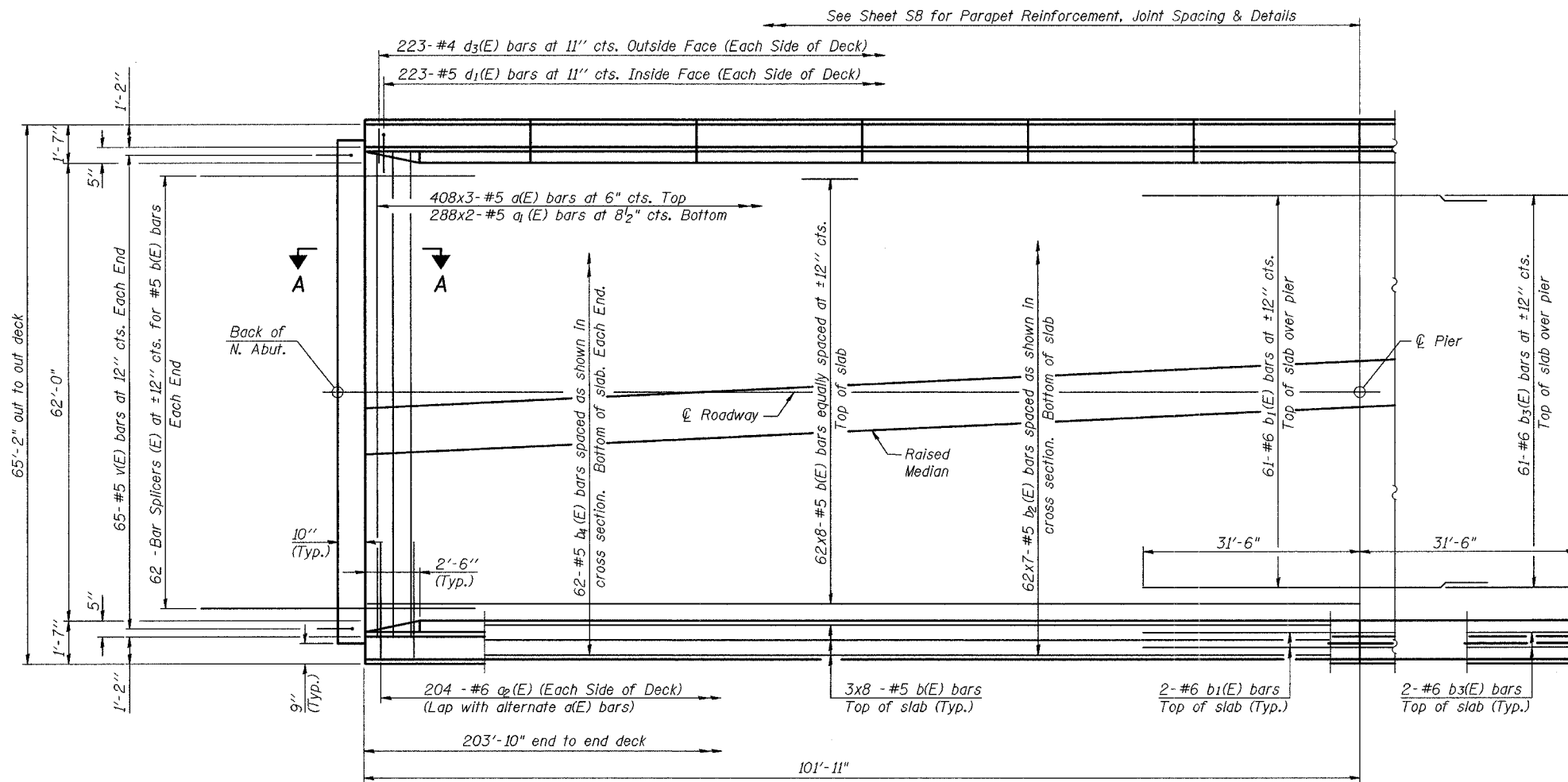
ILLINOIS DEPARTMENT OF TRANSPORTATION
SENECA ROAD
 OVER F.A.I. 80
 F.A.P. 623 SEC. 32-2 HBR GRUNDY CO.
 STRUCTURE No. 032-0114
 STATION 19+49.99
 TOP OF SLAB ELEVATION LAYOUT

SCALE: NONE
 DATE: OCTOBER, 2005

DRAWN BY: NJH
 CHECKED BY: JLG

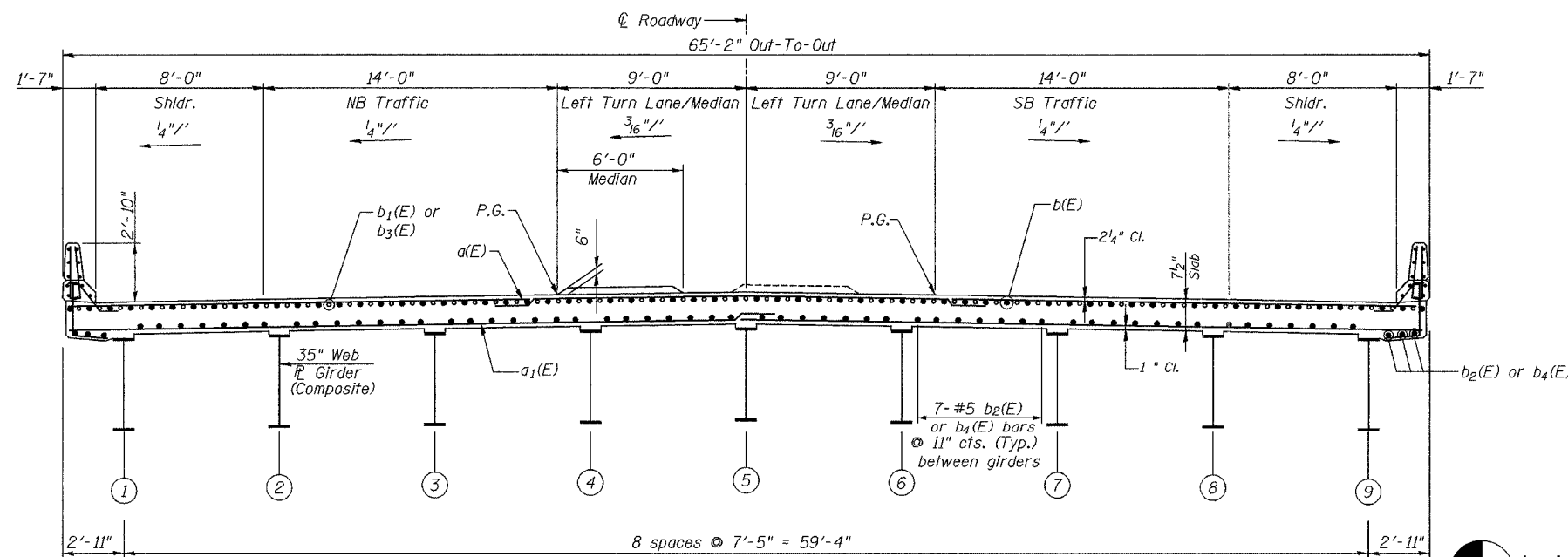
Louis Berger & Associates, Inc.
 1001 Elm Street, Suite 300
 Manchester, NH 03101

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	32-2 HBR	GRUNDY	171	99
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66412				
SHEET S6 OF S20				



PLAN

Note: Symmetric about Pier except where noted otherwise



TYPICAL CROSS SECTION
(Looking Upstation)

Notes:
See Sheets S7 and S8 of S20 for Superstructure Details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheets S7 and S8 of S20 for parapet reinforcement.
See Sheet S7 of S20 for Section A-A.
See Sheet S7 of S20 for Median Detail.

MIN. BAR LAP

- #4 bar = 1'-8"
- #5 bar = 2'-2"
- #6 bar = 2'-9"

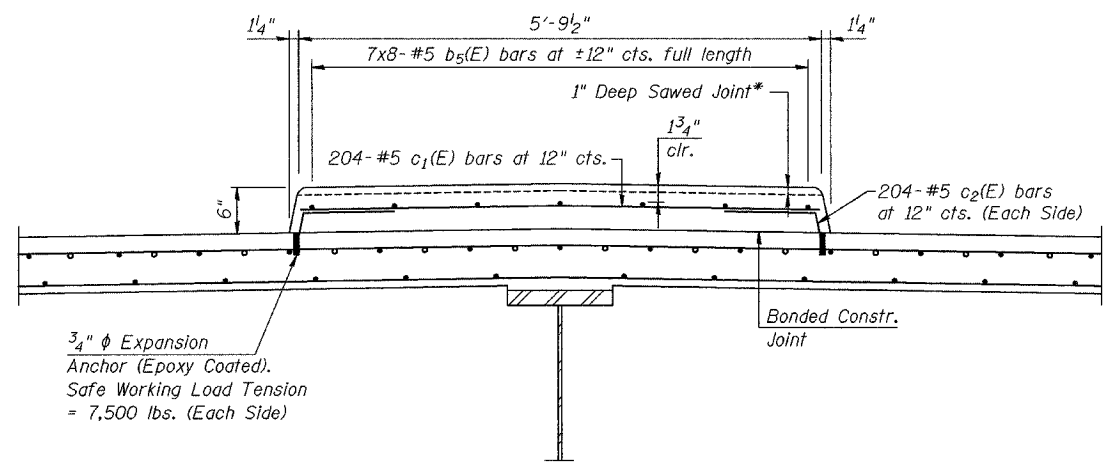
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SENECA ROAD
OVER F.A.I. 80
F.A.P. 623 SEC. 32-2 HBR GRUNDY CO.
STRUCTURE No. 032-0114
STATION 19+49.99
SUPERSTRUCTURE

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Manchester, NH 03101

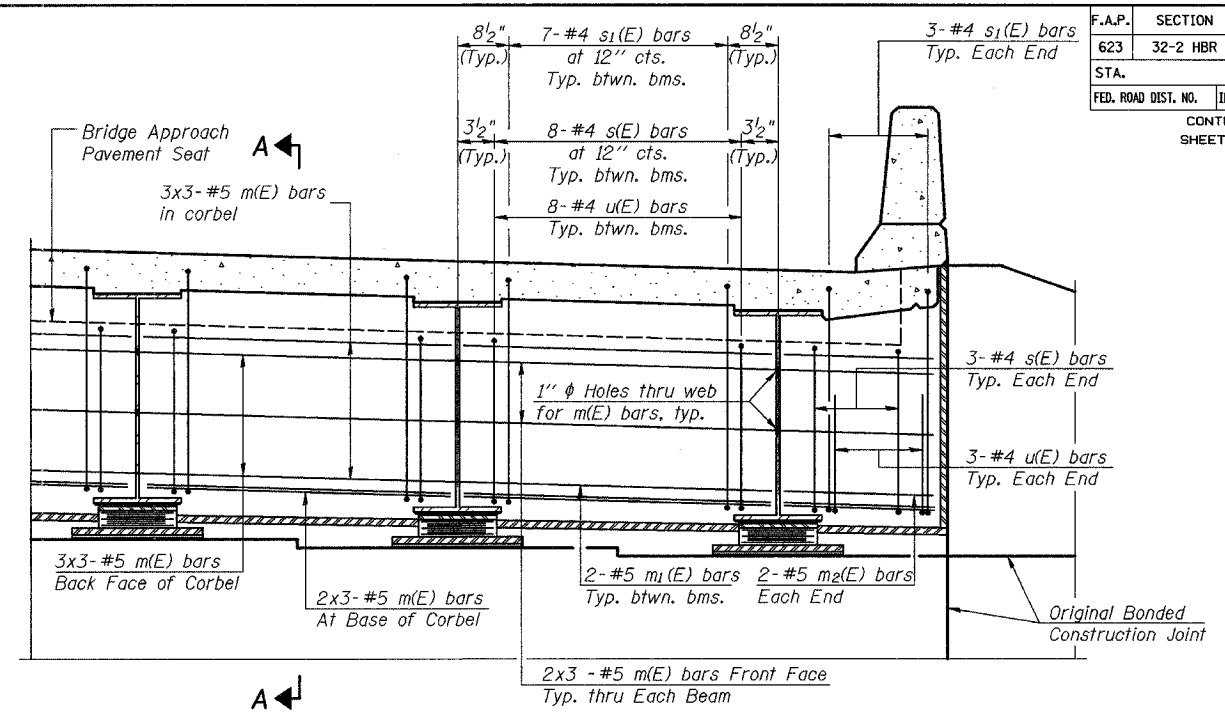
SCALE: NONE
DATE: OCTOBER, 2005
DRAWN BY: NJH
CHECKED BY: JLG

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	32-2 HBR	GRUNDY	171	100
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 66412				
SHEET S7 OF S20				

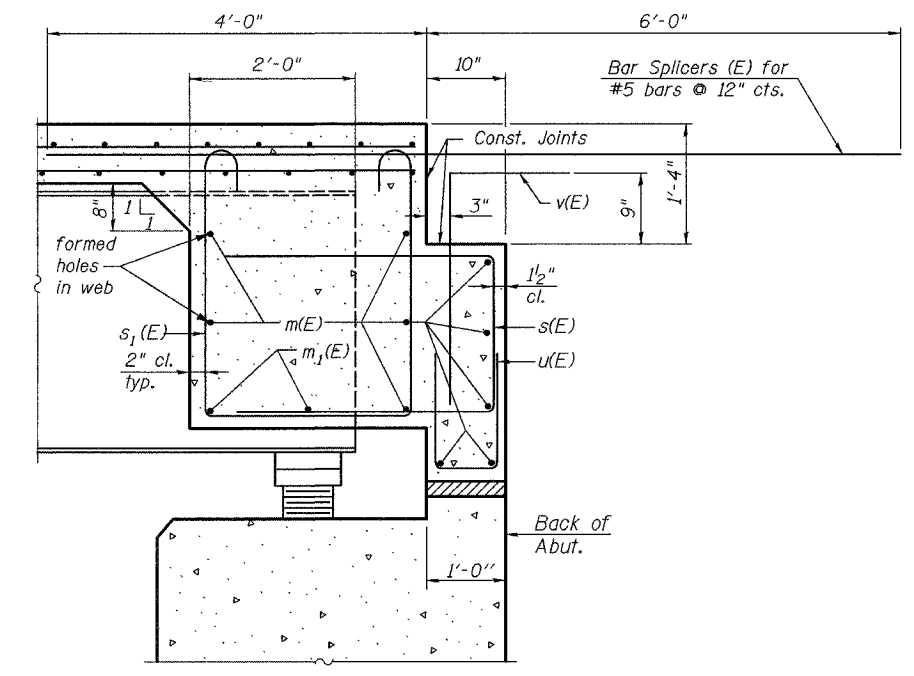


SUPERIMPOSED MEDIAN

* 1" Deep Sawed Joints located at same locations as the aluminum sheets in the parapets detailed on Sheet S8.



DIAPHRAGM ELEVATION AT ABUTMENT



SECTION A-A

Notes:
 Reinforcement bars in diaphragm and superimposed median are billed with Superstructure on Sheet S8 of S20.
 Concrete in diaphragm is included with Concrete Superstructure on Sheet S8 of S20.
 For details of bars c (E), s(E) & s1(E) see Sheet S8 of S20.
 The s(E) and s1(E) bars shall be placed parallel to the girder webs. Spacing for these bars shall be at right angles to the girder.
 For Anchor Bolt Details see Sheet S12 of S20.
 For Bar Splicer Details See Sheet S17 of S20.

MIN. BAR LAP
 #4 bar = 1'-8"
 #5 bar = 2'-2"
 #6 bar = 2'-9"

Louis Berger & Associates, Inc.
 1001 Elm Street, Suite 300
 Manchester, NH 03101

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SENECA ROAD
 OVER F.A.I. 80
 F.A.P. 623 SEC. 32-2 HBR GRUNDY CO.
 STRUCTURE No. 032-0114
 STATION 19+49.99
 SUPERSTRUCTURE DETAILS I
 SCALE: NONE
 DATE: OCTOBER, 2005
 DRAWN BY: NJH
 CHECKED BY: JLG