

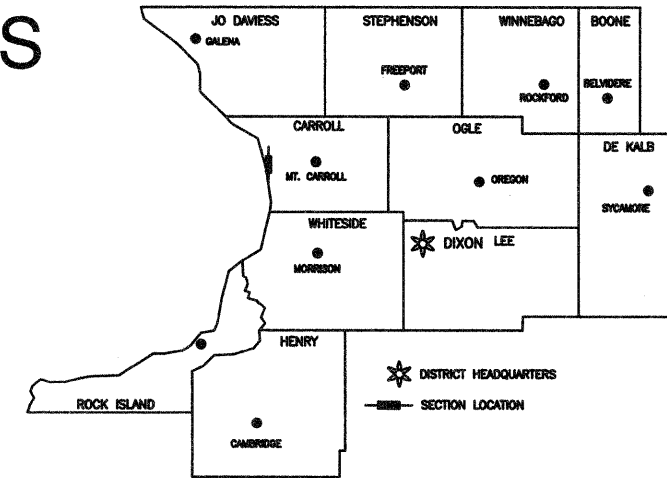
46055
5811

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES

PLANS FOR PROPOSED
GRAND ILLINOIS TRAIL-SAVANNA/PALISADES
(GREAT RIVER TRAIL)
INGERSOLL WETLANDS - SEGMENT 1

SECTION NO. SAVANNA/PALISADES BIKE TRAIL
PROJECT NO. **TCSP-081L(003)**
JOB NO. C-30-043-09
CONTRACT NO. 46055
CARROLL COUNTY

IDOT DISTRICT 2



UTILITY NOTE
THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MISSMAN, STANLEY & ASSOCIATES (MISSMAN) HAS ADOPTED SAFETY PROCEDURES FOR ITS EMPLOYEES WHO PROVIDE PROFESSIONAL ENGINEERING AND SURVEYING SERVICES. A COPY OF THESE PROCEDURES IS AVAILABLE FROM THE SAFETY OFFICER. MISSMAN PERSONNEL ARE NOT TRAINED IN CONTRACTOR (CONSTRUCTION) SAFETY AND COMPLIANCE PROCEDURES. THE METHODS & MEANS TO COMPLY WITH CONSTRUCTION SITE SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

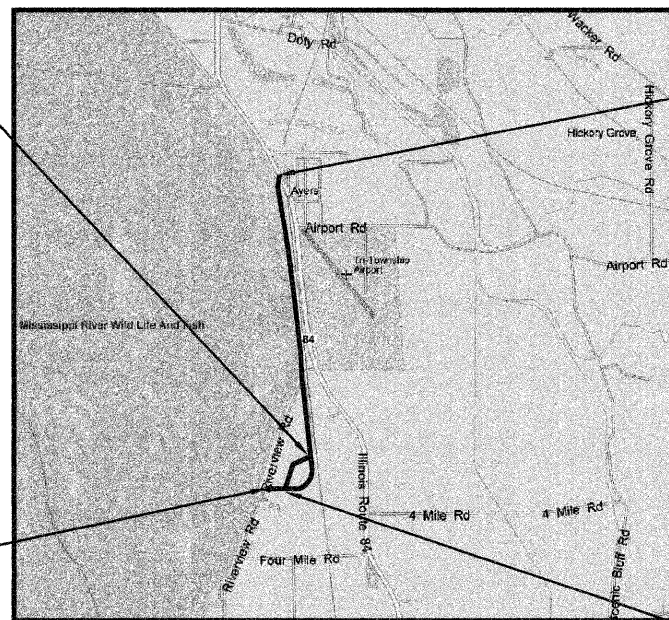
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LOCATION MAP

CITY OF SAVANNA

SPUR ENDS
STA. 40+91.96

MAINLINE ENDS
STA. 208+30.00



MAINLINE BEGINS
STA. 100+00.00

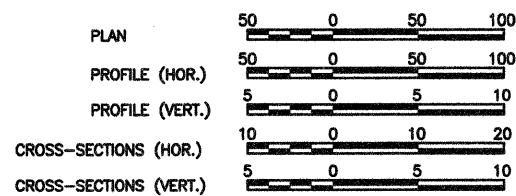
SPUR BEGINS
STA. 30+00.00

ENTIRE PROJECT LENGTH = 11,921.96 LINEAL FEET / 2.258 MILES
MAIN LINE LENGTH = 10,830.00 LINEAL FEET / 2.051 MILES
SPUR LENGTH = 1,091.96 LINEAL FEET / 0.207 MILES

IDOT STANDARDS IN PROPOSAL

280001-03 TEMPORARY EROSION CONTROL SYSTEMS
702001-06 TRAFFIC CONTROL DEVICES

SCALES



APPROVED	<i>July 1</i>	2009
	<i>Tom Flattery</i>	
DEPARTMENT OF NATURAL RESOURCES		
PASSED	<i>June 26</i>	2009
	<i>Charles J. Ingersoll</i>	
ENGINEER OF DESIGN + ENV		
APPROVED	<i>June 26</i>	2009
	<i>Christine M. Reed</i>	
DIRECTOR OF HIGHWAYS		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

DISTRICT 2-DIXON



Civil Engineering · Surveying · Environmental Services
Landscape Architecture
(815) 965-6400 FAX (815) 965-6416

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.



Fred M. Anderson
FRED M. ANDERSON
PROJECT ENGINEER
L.I.C. EXP: 11-30-09
DATE: 6-24-2009



CALL BEFORE YOU DIG

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	2
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 000800				

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" IN THE STATE OF ILLINOIS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITIONS.

THE CONTRACTOR AT HIS OWN EXPENSE SHALL RELOCATE AND REPLACE TO THE SATISFACTION OF THE ENGINEER, ALL STREET SIGNS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL EXISTING PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS REFERENCED THEIR LOCATION. PROPERTY MARKERS DAMAGED BY HE CONTRACTOR SHALL BE REPLACED BY AN AUTHORIZED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

ALL DIMENSIONS AND RADII ARE TAKEN FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL OBTAIN ALL PERMITS FROM THE GOVERNING AGENCIES AND SHALL IMPLEMENT AND MAINTAIN APPROVED TRAFFIC CONTROL MEASURES.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SIGNS, BARRICADES, FENCING, TRAFFIC CONTROL DEVICES AND MEASURES, AND ALL OTHER MEASURES THAT ARE NECESSARY TO PROTECT THE SAFETY OF THE CONSTRUCTION SITE.

THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO COMMENCING WORK. IF ANY DISCREPANCIES ARE ENCOUNTERED NOTIFY THE ENGINEER. ADJUSTMENTS OR CORRECTIONS WILL BE MADE BY THE ENGINEER.

IF THE CONTRACTOR SHOULD FIND ANY DISCREPANCIES IN THE CONSTRUCTION PLANS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY. THE ENGINEER WILL MAKE ANY REVISIONS WHICH MAY BE NECESSARY. IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER, HE PROCEEDS AT HIS/HER OWN RISK.

ALL ROADWAYS SHALL BE KEPT FREE AND CLEAR OF MUD AND CONSTRUCTION DEBRIS ON A DAILY BASIS.

SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACK SLOPES.

EXCAVATION IN OLD GRAVEL OR MACADAM ROAD TO BE PAID FOR AS EARTH EXCAVATION.

NO OVERHAUL HAS BEEN COMPUTED AND NONE SHALL BE PAID FOR FROM ANY SOURCE. ALL WASTE MATERIAL SHALL BE HAULED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY AT THE CONTRACTOR'S EXPENSE.

THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.

THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP OF SOIL PROFILES OF LOCAL SOILS).

WHEN MULCH WITH EMULSIFIED ASPHALT IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COVER OR PROTECT ALL TRAFFIC SIGNS, GUARDRAIL AND CURBS. ANY SIGNS, GUARDRAIL OR CURBS WHICH BECOME COVERED WITH ASPHALT MATERIAL SHALL BE CLEANED BY THE CONTRACTOR AT HIS OWN EXPENSE.

MULCH ON TEMPORARY SEEDING SHALL BE MULCH METHOD 1.

APPROVED EXCAVATED MATERIAL SHALL MEET THE REQUIREMENTS OF ARTICLE 1003.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

ALL UTILITIES UNDER AND WITHIN TWO (2) FEET OF ANY EXISTING OR PROPOSED TRAIL PAVEMENT SHALL BE BACKFILLED WITH SELECT GRANULAR BACKFILL MATERIAL. TRENCH AND BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" (LOOSE MEASUREMENT), COMPACTED TO A MINIMUM 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM 1557-91, MODIFIED PROCTOR DENSITY.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED ON THE PLANS OR AUTHORIZED FOR REMOVAL BY THE ENGINEER

SILT FENCE SHALL BE PLACED IN LOCATIONS AS DIRECTED BY THE ENGINEER.

DISTURBED AREAS ARE TO BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED.

TOPSOIL EXCAVATION AND PLACEMENT DEPTH SHALL BE 4" MINIMUM.

ALL SIGNS, BARRICADES, LIGHTS, WARNING DEVICES, ETC... SHALL BE CONSTRUCTED AND USED IN ACCORDANCE WITH THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, ERECTING, AND MAINTAINING TRAFFIC CONTROL DEVICES AND FACILITIES AS REQUIRED THROUGHOUT THE LIFE OF THE CONTRACT, INCLUDING PERIODS OF SUSPENSION OF WORK.

THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM OPERATIONS CONNECTED WITH THIS CONTRACT AS DIRECTED BY THE ENGINEER. WATER APPLICATION SHALL BE CONSIDERED INCIDENTAL TO THE OTHER CONTRACT BID ITEMS.

ALL TEMPORARY WORK PADS OR FILL SHALL BE REMOVED TO THE EXISTING OR PROPOSED GROUND CONTOUR AFTER COMPLETION OF THE PROJECT.

DITCHES SHOULD BE CLEARED OF SOFT SEDIMENT, SOD AND OTHER DEBRIS TO (12 INCHES) BEFORE PLACING ANY EMBANKMENT.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE CONSIDERED EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IF THE CONTRACTOR FAILS TO NOTIFY HE PROCEEDS AT HIS/HER OWN RISK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINES IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

ALL TRAFFIC CONTROL AND PROTECTION SHALL BE CONSIDERED INCIDENTAL TO THE PROPOSED BIKE PATH.

BENCHMARKS		ELEV.
TBM-19	PK NAIL IN WOOD FENCE POST ON WEST SIDE OF RR TRACKS APPROX. 2030' SOUTH OF RIVERVIEW ROAD (APPROX. STA. 116+34, 52'RT)	610.27
TBM-18	PK NAIL IN WOOD FENCE POST ON WEST SIDE OF RR TRACKS APPROX. 1460' SOUTH OF RIVERVIEW ROAD (APPROX. STA. 122+08, 42'RT)	613.70
TBM-10	PK NAIL IN WEST FACE OF POWER POLE (APPROX. STA. 151+73, 20'RT)	605.97
TBM-11	PK NAIL IN WOOD FENCE POST ON WEST SIDE OF RR TRACKS (APPROX. STA. 154+36, 18'RT)	605.41
TBM-8	PK NAIL IN SWING OUT POST FOR GATE IN SE CORNER OF CAMP GROUNDS (APPROX. STA. 164+01, 7'RT)	606.57
TBM-5	WORK "MONITOR" ON TOP OF WELL HEAD ON THE NORTH SIDE OF THE USF&W MAINTENANCE BLDG (APPROX. STA. 183+49, 25'LT)	611.32
TBM-4	TOP OF R.O.W. MONUMENT AT NE CORNER OF ROUTE 84 AND RAILROAD TRACKS (AT VERY NORTH END OF JOB)	608.55

SUMMARY OF QUANTITIES

80% FED.
20% STATE
Y042

ITEM #	ITEM	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	84
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	104
20100500	TREE REMOVAL, ACRES	ACRE	0.28
20101100	TREE TRUNK PROTECTION	EACH	4
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2
X0326405	TEMPORARY FENCE (PRAIRIE PROTECTION)	FOOT	9270
20200100	EARTH EXCAVATION	CU YD	3300
20700110	POROUS GRANULAR EMBANKMENT	TON	206
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	16538
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1452
* 25000115	SEEDING, CLASS 1B	ACRE	0.3
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	269
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	269
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	269
* 25100105	MULCH, METHOD 1	ACRE	2.99
* 25100630	EROSION CONTROL BLANKET	SQ YD	170
28000300	TEMPORARY DITCH CHECKS	EACH	10
28000400	PERIMETER EROSION BARRIER	FOOT	9140
31102300	SUBBASE GRANULAR MATERIAL, TYPE C 6"	SQ YD	10568
31102500	SUBBASE GRANULAR MATERIAL, TYPE C 8"	SQ YD	4416
31102700	SUBBASE GRANULAR MATERIAL, TYPE C 10"	SQ YD	702
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3922
40600300	AGGREGATE (PRIME COAT)	TON	16
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	77
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2677
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	181
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	95.8
50200100	STRUCTURE EXCAVATION	CU YD	8.3
50300225	CONCRETE STRUCTURES	CU YD	20.8
* 50700105	TREATED TIMBER	F. B. M.	486
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1520
51200510	FURNISHING TREATED PILES 20.1 TO 38 FEET	FOOT	300
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	160
51202305	DRIVING PILES	FOOT	160
51202900	TEST PILE TIMBER	EACH	2
51203200	TEST PILE METAL SHELLS	EACH	2
51500100	NAME PLATES	EACH	1
58700300	CONCRETE SEALER	SQ FT	88
* 72000105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	98.75
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	4.60
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5749
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	106
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	47
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0022800	FENCE REMOVAL	FOOT	191
Z0077900	WOOD POST AND RAIL FENCE	FOOT	693
* XX000648	SEEDING, SPECIAL	SQ YD	13005
XX002202	VEHICLE CONTROL BOLLARDS	EACH	8
X0301797	GATE REMOVAL	EACH	2
X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	1200
X0326406	INFORMATION KIOSK COMPLETE	EACH	1
X0326407	WOOD GATE ASSEMBLY SPECIAL	EACH	1
67100100	MOBILIZATION	L SUM	1
	* SPECIALTY ITEM		

SCHEDULE OF QUANTITIES

TREE REMOVAL (6 TO 15 UNIT DIAMETER)			
STATION	LOCATION	UNIT DIA.	
152+85.2	RT	10	
179+46.7	RT	10	
198+96.1	LT	12	
200+37.8	RT	10	
200+80.9	LT	8	
200+88.8	LT	8	
201+79.9	RT	10	
201+85.1	LT	6	
202+28.3	LT	10	
TOTAL		84	
TREE REMOVAL (OVER 15 UNIT DIAMETER)			
STATION	LOCATION	UNIT DIA.	
153+09	RT	16	
153+70.7	RT	16	
201+98.6	RT	36	
202+11.4	RT	36	
TOTAL		104	
TREE REMOVAL, ACRES			
STATION TO	STATION	LOCATION	ACRE
147+98	148+42	15LT - 15RT	0.06
149+75	151+42	20LT - 20RT	0.12
203+50	205+00	CL - 15RT	0.10
TOTAL			0.28
TREE TRUNK PROTECTION			
STATION	LOCATION	EACH	
136+76	RT	1	
136+77.2	LT	1	
198+71	RT	1	
198+91.6	RT	1	
TOTAL		4	
TREE PRUNING (OVER 10 INCH DIAMETER)			
STATION	LOCATION	EACH	
136+76	RT	1	
136+77.2	LT	1	
TOTAL		2	
TEMPORARY FENCE (PRAIRIE PROTECTION)			
STATION TO	STATION	LOCATION	FOOT
100+00	135+70	RT	3575
100+00	101+00	LT	132
102+65	135+70	LT	3375
30+20	40+80	RT	1060
30+20	36+46	LT	728
36+86	40+80	LT	400
TOTAL			9270

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION			
LOCATION			SQ YD
MAIN LINE			13655
SPUR			1329
PARKING AREA			702
SIDERoads & DRIVEWAYS			852
TOTAL			16538
TOPSOIL FURNISH AND PLACE, 4"			
LOCATION			SQ YD
DISTURBED AREAS WITHIN PROJECT LIMITS			1452
TOTAL			1452
SEEDING, CLASS 1B			
LOCATION			ACRE
MAINLINE FROM 164+14 TO 183+14			0.30
TOTAL			0.30
MULCH, METHOD 1			
LOCATION			ACRE
ALL SEEDING LOCATIONS			2.99
TOTAL			2.99
EROSION CONTROL BLANKET			
STATION TO	STATION	LOCATION	SQ YD
200+00	201+50	RT	170
TOTAL			170
PERIMETER EROSION BARRIER			
STATION TO	STATION	LOCATION	FOOT
PARKING AREA			240
136+50	165+50	LT	5800
148+50	152+50	RT	800
198+50	203+50	RT	1000
201+00	204+00	LT	600
204+50	208+00	LT	700
TOTAL			9140
SUBBASE GRANULAR MATERIAL, TYPE C 6"			
STATION TO	STATION	LOCATION	SQ YD
100+00	136+14.41	MAIN LINE	4418
136+37.01	150+06.38	MAIN LINE	1528
177+06	204+00	MAIN LINE	3293
30+05	40+91.96	SPUR	1329
TOTAL			10568
SUBBASE GRANULAR MATERIAL, TYPE C 8"			
STATION TO	STATION	LOCATION	SQ YD
151+41.41	165+18.91	MAIN LINE	1684
165+18.91	176+50	MAIN LINE	2137
176+50	177+06	MAIN LINE	69
204+00	208+30	MAIN LINE	526
TOTAL			4416

SUBBASE GRANULAR MATERIAL, TYPE C 10"			
STATION TO	STATION	LOCATION	SQ YD
PARKING LOT AND DRIVEWAY			702
TOTAL			702

BITUMINOUS MATERIALS (PRIME COAT)			
LOCATION			GALLON
OVER ALL SUBBASE GRAN MATL			3922
TOTAL			3922

AGGREGATE (PRIME COAT)			
LOCATION			TON
AS DIRECTED BY THE ENGINEER			16
TOTAL			16

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50			
LOCATION			TON
PARKING LOT AND DRIVEWAY			77
TOTAL			77

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50				
STATION TO	STATION	LOCATION		TON
100+00	136+14.41	MAIN LINE		693
PARKING LOT AND DRIVEWAY				77
136+37.01	150+06.38	MAIN LINE		240
151+41.41	165+18.91	MAIN LINE		353
165+18.91	176+50	MAIN LINE		463
176+50	177+06	MAIN LINE		15
177+06	204+00	MAIN LINE		517
204+00	208+30	MAIN LINE		110
30+05	40+91.96	SPUR		209
TOTAL				2677

INCIDENTAL HOT-MIX ASPHALT SURFACING			
STATION TO	STATION	LOCATION	TON
100+00		LT&RT RADII	2
102+42.14		LT TO PARKING	14
108+11.90		LT RADII	2
121+75		LT RADII	2
136+14.41		LT&RT RADII	2
136+37.01		LT&RT RADII	2
153+50		LT	6
165+27.34		LT	9
170+13		LT	13
172+00		LT	17
172+50		RT	38
173+00		LT	28
176+75		LT	16
198+00		LT	6
204+25		LT	8
207+25		LT	4
207+89.20		LT BIKEPATH	7
35+38.19		RT	4
35+76.19		LT	1
TOTAL			181

SIGN PANEL, TYPE 1 SPECIAL				
STATION	TYPE	LOCATION		SQ FT
98+80	D11-1, M7-1L	CL		3.75
100+10	D11-1, M7-1R	RT		3.75
100+18	R5-3	RT		4.00
100+18	R1-1	LT		2.25
101+50	W3-1A	LT		2.25
102+29	R1-2	LT		2.00
102+20	R7-8, R7-1101	LT		2.50
107+60	RG-100L	RT		3.50
107+93	R1-1	LT		2.25
108+57	RG-100R	LT		3.50
36+35	R5-3	LT		4.00
36+43	R1-1	LT		2.25
121+21	RG-100L	RT		3.50
121+63	R1-1	LT		2.25
122+35	RG-100R	LT		3.50
133+88	W11-1	LT		6.25
135+19	W3-1A	RT		2.25
136+12	R1-1	RT		2.25
136+12	R5-3	LT		4.00
136+47	W11-1, W16-7	RT		8.25
136+52	R5-3	RT		4.00
136+52	R1-1	LT		2.25
137+25	W3-1A	LT		2.25
172+60	W11-1, W16-7	RT		8.25
203+98	R1-1	LT		2.25
207+69	D11-1, M7-1L	RT		3.75
207+78	D11-1, M7-1R	RT		3.75
208+20	R5-3	LT		4.00
TOTAL				98.75

THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS			
LOCATIONS			SQ FT
PARKING LOT			4.60
TOTAL			4.60

THERMOPLASTIC PAVEMENT MARKING - LINE 4"			
STATION TO	STATION	LOCATION	FOOT
YELLOW			
100+15	102+00	CENTER SOLID	185
102+00	135+00	CENTER DASH	825
135+00	136+14.41	CENTER SOLID	115
136+37.01	137+50	CENTER SOLID	113
137+50	150+06.38	CENTER DASH	315
151+41.41	164+16	CENTER DASH	319
177+00	208+30	CENTER DASH	783
30+20	40+71.96	CENTER DASH	263
WHITE			
164+16	177+00	LT&RT EDGES	2568
PARKING LOT			PARKING LINES
TOTAL			5749

THERMOPLASTIC PAVEMENT MARKING - LINE 12"			
STATION TO	STATION	LOCATION	FOOT
RIVERVIEW ROAD CROSSING - LT & RT EDGE			46
RIVERVIEW ROAD CROSSING - DIAGONAL			60
TOTAL			106

THERMOPLASTIC PAVEMENT MARKING - LINE 24"			
STATION TO	STATION	LOCATION	FOOT
100+15		STOP BAR	5
136+04.41		STOP BAR	5
136+37.07		STOP BAR	5
208+30		STOP BAR	5
30+10		STOP BAR	9
36+55.96		LT STOP BAR	9
40+81.96		STOP BAR	9
TOTAL			47

FENCE REMOVAL			
STATION TO	STATION	LOCATION	FOOT
100+28		AT PATH	35
PARKING LOT			WEST SIDE
136+75		AT PATH	20
TOTAL			191

WOOD POST AND RAIL FENCE			
STATION TO	STATION	LOCATION	FOOT
PARKING AREA			354
BRIDGE		N&S APP PVT	78
178+28	180+63	20' LT	232
178+33		LT	16
178+33		RT	13
TOTAL			693

GATE REMOVAL			
STATION TO	STATION	LOCATION	EACH
135+71		AT PATH	1
178+33		AT PATH	1
TOTAL			2

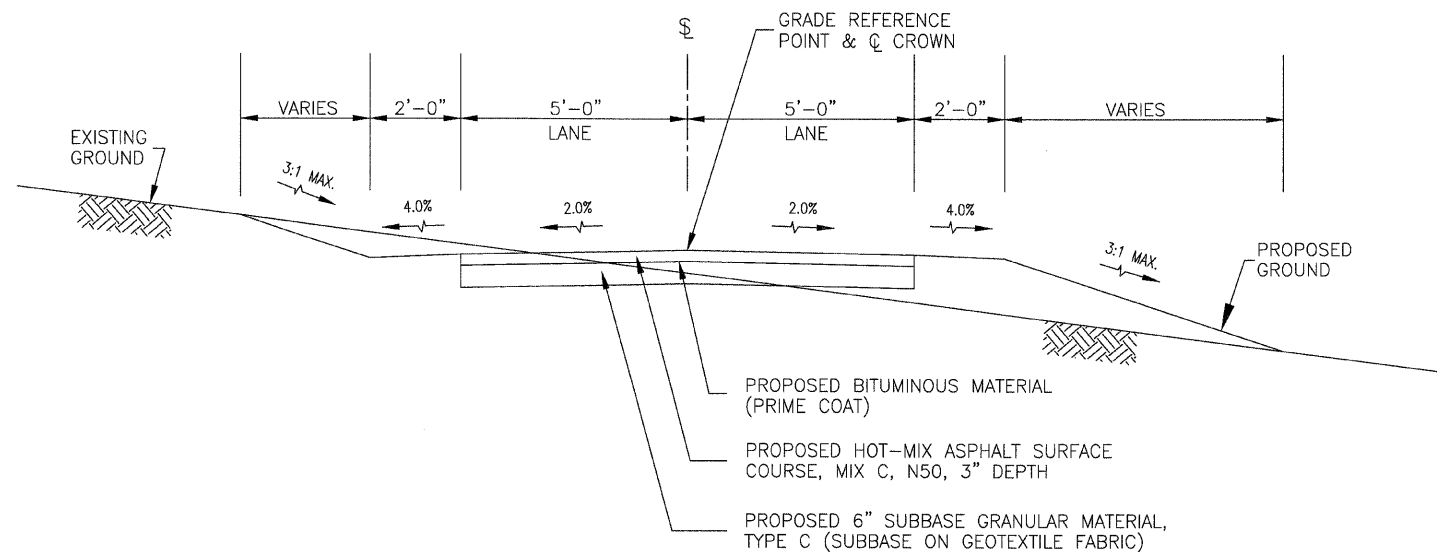
SEEDING, SPECIAL		SQ YD
LOCATION		
WITHIN CONSTRUCTION LIMITS FROM		7050
100+00 TO 135+71 (USF&W PRAIRIE)		
MAINLINE FROM 135+71 TO 164+14		3159
MAINLINE FROM 183+14 TO 208+30		2796
TOTAL		13005

VEHICLE CONTROL BOLLARDS			
STATION		LOCATION	EACH
100+28			1
102+42.14		22' LT	1
135+71			1
136+75			1
164+16			1
178+33			1
204+00			1
36+46.46		54' LT	1
TOTAL			8

WOOD GATE ASSEMBLY SPECIAL			
STATION		LOCATION	EACH
153+39		LT	1
TOTAL			1

PROPOSED TYPICAL SECTION – BITUMINOUS, NORMAL DUTY

BIKE PATH: STA. 100+00 TO STA. 136+14.41
 STA. 136+37.01 TO STA. 150+06.38
 STA. 177+06 TO STA. 204+00
 STA. 30+00 TO STA. 40+91.96
 TWO WAY SHARED USE PATH



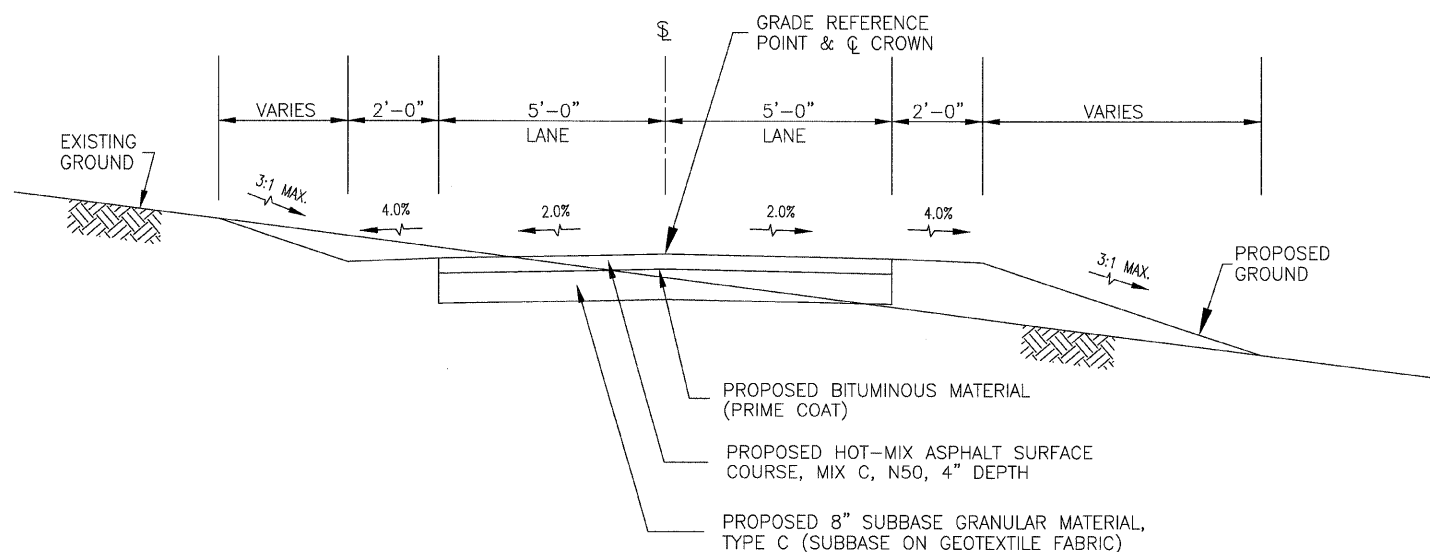
MIX REQUIREMENTS

	SURFACE	BINDER
AC TYPE	PG 64-22	PG 64-22
% AIR VOIDS	4% @ 50gr.	4% @ 50gr.
AGG. GRADE	IL-9.5	IL-19.0

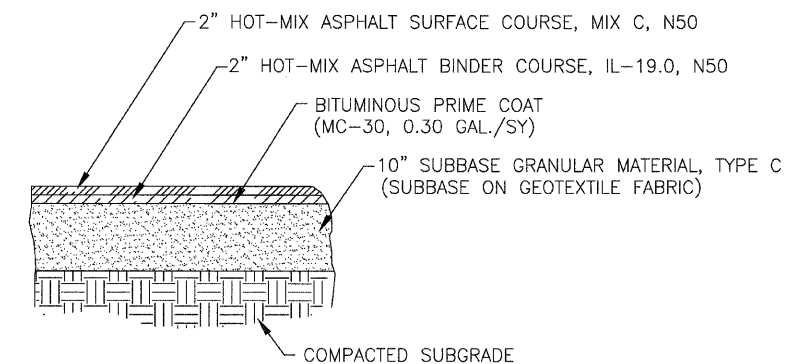
NO RAP WILL BE ALLOWED ON THE SURFACE COURSE

PROPOSED TYPICAL SECTION – BITUMINOUS, HEAVY DUTY

BIKE PATH: STA. 151+41.41 TO STA. 165+18.91
 STA. 176+50 TO STA. 177+06
 STA. 204+00 TO STA. 208+06.42
 TWO WAY SHARED USE PATH

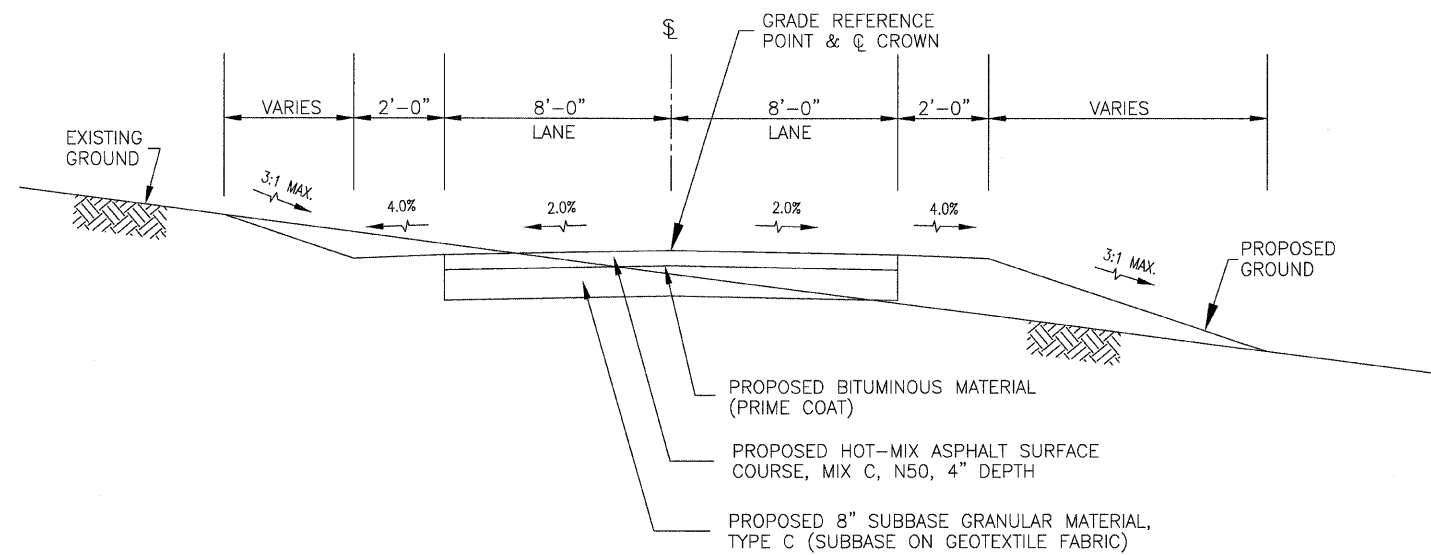


PARKING LOT PAVEMENT



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	6
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

PROPOSED TYPICAL SECTION – BITUMINOUS, HEAVY DUTY WIDE
 BIKE PATH: STA. 165+18.91 TO STA. 176+50
 TWO WAY SHARED USE PATH



MAINLINE ALIGNMENT

Horizontal Alignment Station and Curve Report.
Alignment: CENTER-SEGMENT1
Desc: as of 9-24-2007

Desc. Station	Spiral/Curve Data	Northing	Easting
PI 99+80	Length: 109.03 Course: S 70-02-33 E	1953148.8725	2309995.0814
PI 100+89.03	Length: 173.05 Delta: 79-36-54 Course: N 30-20-33 E	1953111.6588	2310097.5624
99+80	Tangent Data	1953148.8725	2309995.0814
100+22.36	Length: 42.36 Course: S 70-02-33 E	1953134.4150	2310034.8952
PC 100+22.36	Circular Curve Data	1953134.4150	2310034.8952
CC 101+33.52	Delta: 79-36-54 Radius: 80.00 Length: 111.16 Mid-Ord: 18.54 Chord: 102.43 Es: 24.14	DOC: 71-37-11 Tangent: 66.67 External: 24.14 Course: N 70-09-00 E	2310062.2009 2310131.2426
PT 101+33.52			
PI 102+39.90	Length: 125.90 Delta: 17-52-01 Course: N 12-28-32 E	1953261.0056	2310184.9825
101+33.52	Tangent Data	1953169.1973	2310131.2426
102+24.18	Length: 90.66 Course: N 30-20-33 E	1953247.4394	2310177.0415
PC 102+24.18	Circular Curve Data	1953247.4394	2310177.0415
CC 102+55.37	Delta: 17-52-01 Radius: 100.00 Length: 31.18 Mid-Ord: 1.21 Chord: 31.06 Es: 1.23	DOC: 57-17-45 Tangent: 15.72 External: 1.23 Course: N 21-24-33 E	2310090.7395 2310188.3783
PT 102+55.37			
PI 103+65.54	Length: 262.47 Delta: 32-51-51 Course: N 45-20-23 E	1953383.9289	2310212.1790
102+55.37	Tangent Data	1953276.3539	2310188.3783
103+36.05	Length: 80.68 Course: N 12-28-32 E	1953355.1328	2310205.8079
PC 103+36.05	Circular Curve Data	1953355.1328	2310205.8079
CC 103+93.41	Delta: 32-51-51 Radius: 100.00 Length: 57.36 Mid-Ord: 4.08 Chord: 56.58 Es: 4.26	DOC: 57-17-45 Tangent: 29.49 External: 4.26 Course: N 28-54-27 E	2310303.4467 2310233.1565
PT 103+93.41			
PI 106+26.39	Length: 262.64 Delta: 65-06-27 Course: S 69-33-10 E	1953568.4220	2310398.8728
103+93.41	Tangent Data	1953404.6591	2310233.1565
105+37.01	Length: 143.61 Course: N 45-20-23 E	1953505.6003	2310335.3018
PC 105+37.01	Circular Curve Data	1953505.6003	2310335.3018
CC 106+96.10	Delta: 65-06-27 Radius: 140.00 Length: 159.09 Mid-Ord: 22.00 Chord: 150.67 Es: 26.10	DOC: 40-55-32 Tangent: 89.37 External: 26.10 Course: N 77-53-36 E	2310433.7081 2310482.6163
PT 106+96.10			
PI 108+69.36	Length: 333.57 Delta: 21-04-27 Course: N 89-22-23 E	1953476.6712	2310644.9621
106+96.10	Tangent Data	1953537.1994	2310482.6163
108+32.16	Length: 136.06 Course: S 69-33-10 E	1953489.6675	2310610.1042

PC	CC	PT	Delta	Radius	Length	Mid-Ord	Chord	Es	Type	DOC	Tangent	External	Course	Northing	Easting
108+32.16			21-04-27	200.00	73.56	3.37	73.15	3.43	LEFT	28-38-52	37.20	3.43	S 80-05-24 E	1953489.6675	2310610.1042
109+05.73														1953677.0664	2310679.9730
														1953477.0783	2310682.1618
112+02.09			0-00-00										N 89-22-23 E	1953480.3217	2310978.5106
109+05.73														1953477.0783	2310682.1618
112+02.09														1953480.3217	2310978.5106
114+77.43			95-16-55	150.00	249.45	48.93	221.68	72.63	LEFT	38-11-50	164.51	72.63	N 05-54-32 W	1953483.3349	2311253.8281
112+02.09														1953480.3217	2310978.5106
113+12.92														1953481.5346	2311089.3309
115+62.37														1953631.5256	2311087.6894
														1953646.9679	2311236.8924
116+44.14			2-31-05										N 08-25-37 W	1953728.3105	2311228.4735
115+62.37														1953646.9679	2311236.8924
116+26.56														1953710.8222	2311230.2835
116+61.72														1953628.4633	2310434.5342
														1953745.7024	2311225.8969
116+26.56			02-31-05	800.00	35.16	0.19	35.15	0.19	LEFT	07-09-43	17.58	0.19	N 07-10-05 W	1953710.8222	2311230.2835
116+61.72														1953628.4633	2310434.5342
														1953745.7024	2311225.8969
118+43.06			7-17-15										N 01-08-22 W	1953925.0889	2311199.3211
116+61.72														1953745.7024	2311225.8969
117+92.12														1953874.6943	2311206.7870
117+92.12														1953991.9334	2311998.1497
														1953976.0234	2311198.3079
117+92.12			07-17-15	800.00	101.75	1.62	101.68	1.62	RIGHT	07-09-43	50.94	1.62	N 04-47-00 W	1953874.6943	2311206.7870
118+93.87														1953991.9334	2311998.1497
														1953976.0234	2311198.3079
119+80			4-29-57										N 05-38-19 W	1954062.1388	2311196.5950
118+93.87														1953976.0234	2311198.3079
119+80														1954050.3563	2311196.8294
118+93.87														1954050.3563	2311196.8294
119+80														1954050.3563	2311196.8294
119+80														1954044.3900	2310896.8887
														1954073.8666	2311195.4371
119+80			04-29-57	300.00	23.56	0.23	23.55	0.23	LEFT	19-05-55	11.78	0.23	N 03-23-21 W	1954050.3563	2311196.8294
119+80														1954044.3900	2310896.8887
														1954073.8666	2311195.4371

FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	7
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				
PI 129+37.69	Length: 434.00 Delta: 1-47-34 Course: N 07-25-53 W	1955015.2073	2311102.4958	
119+91.78	Tangent Data	1954073.8666	2311195.4371	
129+33	Length: 941.22 Course: N 05-38-19 W	1955010.5364	2311102.9570	
129+33	Circular Curve Data	1955010.5364	2311102.9570	
129+42.39	Delta: 01-47-34 Radius: 300.00 Length: 9.39 Mid-Ord: 0.04 Chord: 9.39 Es: 0.04	DOC: 19-05-55 Tangent: 4.69 External: 0.04 Course: N 06-32-06 W	1954981.0598 1955019.8616	2310804.4086 2311101.8887
133+71.70	Length: 172.54 Delta: 1-45-14 Course: N 09-11-07 W	1955445.5638	2311046.3624	
129+42.39	Tangent Data	1955019.8616	2311101.8887	
133+67.10	Length: 424.72 Course: N 07-25-53 W	1955441.0107	2311046.9562	
133+67.10	Circular Curve Data	1955441.0107	2311046.9562	
133+76.29	Delta: 01-45-14 Radius: 300.00 Length: 9.18 Mid-Ord: 0.04 Chord: 9.18 Es: 0.04	DOC: 19-05-55 Tangent: 4.59 External: 0.04 Course: N 08-18-30 W	1955402.2090 1955450.0967	2310749.4761 2311045.6294
135+44.23	Length: 61.25 Delta: 0-00-00 Course: N 09-11-07 W	1955615.8912	2311018.8206	
133+76.29	Tangent Data	1955450.0967	2311045.6294	
135+44.23	Length: 167.95 Course: N 09-11-07 W	1955615.8912	2311018.8206	
136+05.48	Length: 127.01 Delta: 28-25-42 Course: N 37-36-48 W	1955676.3553	2311009.0436	
135+44.23	Tangent Data	1955615.8912	2311018.8206	
135+92.82	Length: 48.58 Course: N 09-11-07 W	1955663.8526	2311011.0653	
135+92.82	Circular Curve Data	1955663.8526	2311011.0653	
136+17.63	Delta: 28-25-42 Radius: 50.00 Length: 24.81 Mid-Ord: 1.53 Chord: 24.55 Es: 1.58	DOC: 114-35-30 Tangent: 12.67 External: 1.58 Course: N 23-23-57 W	1955655.8713 1955686.3878	2310961.7064 2311001.3138
137+31.97	Length: 305.47 Delta: 46-17-06 Course: N 08-40-18 E	1955776.9627	2310931.5280	
136+17.63	Tangent Data	1955686.3878	2311001.3138	
136+87.09	Length: 69.46 Course: N 37-36-48 W	1955741.4124	2310958.9187	
136+87.09	Circular Curve Data	1955741.4124	2310958.9187	
137+71.91	Delta: 46-17-06 Radius: 105.00 Length: 84.82 Mid-Ord: 8.45 Chord: 82.53 Es: 9.19	DOC: 54-34-03 Tangent: 44.88 External: 9.19 Course: N 14-28-15 W	1955805.4971 1955821.3280	2311042.0941 2310938.2944
140+32.50	Length: 1342.73 Delta: 15-09-10 Course: N 06-28-52 W	1956078.9417	2310977.5842	

Tangent Data				
137+71.91		1955821.3280	2310938.2944	
140+05.90		1956052.6439	2310973.5734	
Length:	233.99	Course: N 08-40-18 E		
Circular Curve Data				
PC 140+05.90		1956052.6439	2310973.5734	
CC		1956082.7981	2310775.8597	
PT 140+58.80		1956105.3736	2310974.5814	
Delta:	15-09-10	Type: LEFT		
Radius:	200.00	DOC: 28-38-52		
Length:	52.89	Tangent: 26.60		
Mid-Ord:	1.75	External: 1.76		
Chord:	52.74	Course: N 01-05-43 E		
Es:	1.76			
Tangent Data				
PI 153+74.93		1957413.0939	2310826.0199	
Length:	121.93	Course: N 07-33-38 W		
Delta:	1-04-46			
Tangent Data				
140+58.80		1956105.3736	2310974.5814	
153+74.93		1957413.0939	2310826.0199	
Length:	1316.13	Course: N 06-28-52 W		
Tangent Data				
PI 154+96.85		1957533.9602	2310809.9774	
Length:	132.38	Course: N 06-26-37 W		
Delta:	1-07-01			
Tangent Data				
153+74.93		1957413.0939	2310826.0199	
154+96.85		1957533.9602	2310809.9774	
Length:	121.93	Course: N 07-33-38 W		
Tangent Data				
PI 156+29.23		1957665.5014	2310795.1211	
Length:	97.08	Course: N 05-49-07 W		
Delta:	0-37-30			
Tangent Data				
154+96.85		1957533.9602	2310809.9774	
156+29.23		1957665.5014	2310795.1211	
Length:	132.38	Course: N 06-26-37 W		
Tangent Data				
PI 157+26.31		1957762.0792	2310785.2793	
Length:	96.50	Course: N 07-03-21 W		
Delta:	1-14-13			
Tangent Data				
156+29.23		1957665.5014	2310795.1211	
157+26.31		1957762.0792	2310785.2793	
Length:	97.08	Course: N 05-49-07 W		
Tangent Data				
PI 158+22.81		1957857.8510	2310773.4254	
Length:	169.96	Course: N 06-26-31 W		
Delta:	0-36-50			
Tangent Data				
157+26.31		1957762.0792	2310785.2793	
158+22.81		1957857.8510	2310773.4254	
Length:	96.50	Course: N 07-03-21 W		
Tangent Data				
PI 159+92.77		1958026.7389	2310754.3563	
Length:	132.21	Course: N 06-42-58 W		
Delta:	0-16-27			
Tangent Data				
158+22.81		1957857.8510	2310773.4254	
159+92.77		1958026.7389	2310754.3563	
Length:	169.96	Course: N 06-26-31 W		
Tangent Data				
PI 161+24.98		1958158.0388	2310738.8950	
Length:	192.62	Course: N 06-32-52 W		
Delta:	0-10-06			
Tangent Data				
159+92.77		1958026.7389	2310754.3563	
161+24.98		1958158.0388	2310738.8950	
Length:	132.21	Course: N 06-42-58 W		
Tangent Data				
PI 163+17.60		1958349.4073	2310716.9299	
Length:	107.03	Course: N 03-59-46 W		
Delta:	2-33-05			
Tangent Data				
161+24.98		1958158.0388	2310738.8950	
163+15.38		1958347.1949	2310717.1838	
Length:	190.40	Course: N 06-32-52 W		

Circular Curve Data				
PC 163+15.38		1958347.1949	2310717.1838	
CC		1958358.5979	2310816.5316	
PT 163+19.83		1958351.6288	2310716.7747	
Delta:	02-33-05	Type: RIGHT		
Radius:	100.00	DOC: 57-17-45		
Length:	4.45	Tangent: 2.23		
Mid-Ord:	0.02	External: 0.02		
Chord:	4.45	Course: N 05-16-19 W		
Es:	0.02			
Tangent Data				
PI 164+24.64		1958456.1785	2310709.4708	
Length:	0.00	Course: S 00-00-00 W		
Delta:	176-00-14			
Tangent Data				
163+19.83		1958351.6288	2310716.7747	
164+24.64		1958456.1785	2310709.4708	
Length:	104.80	Course: N 03-59-46 W		
Tangent Data				
PI 164+24.64		1958456.1785	2310709.4708	
Length:	36.67	Course: N 03-59-46 W		
Delta:	176-00-14			
Tangent Data				
PI 164+61.31		1958492.7598	2310706.9152	
Length:	94.60	Course: N 44-16-22 W		
Delta:	40-16-35			
Circular Curve Data				
PC 164+24.64		1958456.1785	2310709.4708	
CC		1958449.2094	2310609.7139	
PT 164+94.93		1958519.0168	2310681.3164	
Delta:	40-16-35	Type: LEFT		
Radius:	100.00	DOC: 57-17-45		
Length:	70.30	Tangent: 36.67		
Mid-Ord:	6.11	External: 6.51		
Chord:	68.86	Course: N 24-08-04 W		
Es:	6.51			
Tangent Data				
PI 165+52.86		1958560.4966	2310640.8766	
Length:	84.88	Course: N 06-46-09 W		
Delta:	37-30-12			
Tangent Data				
164+94.93		1958519.0168	2310681.3164	
165+18.91		1958536.1884	2310664.5754	
Length:	23.98	Course: N 44-16-22 W		
Circular Curve Data				
PC 165+18.91		1958536.1884	2310664.5754	
CC		1958605.9958	2310736.1779	
PT 165+84.37		1958594.2087	2310636.8750	
Delta:	37-30-12	Type: RIGHT		
Radius:	100.00	DOC: 57-17-45		
Length:	65.46	Tangent: 33.95		
Mid-Ord:	5.31	External: 5.61		
Chord:	64.29	Course: N 25-31-16 W		
Es:	5.61			
Tangent Data				
PI 166+35.30		1958644.7822	2310630.8720	
Length:	175.61	Course: N 06-58-52 W		
Delta:	0-12-43			
Tangent Data				
165+84.37		1958594.2087	2310636.8750	
166+35.30		1958644.7822	2310630.8720	
Length:	50.93	Course: N 06-46-09 W		
Tangent Data				
PI 168+10.91		1958819.0933	2310609.5274	
Length:	213.47	Course: N 09-12-32 W		
Delta:	2-13-40			
Tangent Data				
166+35.30		1958644.7822	2310630.8720	
168+08.19		1958816.3915	2310609.5274	
Length:	172.89	Course: N 06-58-52 W		
Circular Curve Data				
PC 168+08.19		1958816.3915	2310609.5274	
CC		1958799.3754	2310470.8962	
PT 168+13.63		1958821.7803	2310609.0918	
Delta:	02-13-40	Type: LEFT		
Radius:	140.00	DOC: 40-55-32		
Length:	5.44	Tangent: 2.72		
Mid-Ord:	0.03	External: 0.03		
Chord:	5.44	Course: N 08-05-42 W		
Es:	0.03			
Tangent Data				
PI 170+24.38		1959029.8144	2310575.3644	
Length:	153.94	Course: N 22-48-04 E		
Delta:	32-00-36			
Tangent Data				
168+13.63		1958821.7803	2310609.0918	
169+84.22		1958990.1744	2310581.7910	
Length:	170.59	Course: N 09-12-32 W		

Circular Curve Data				
PC 169+84.22		1958990.1744	2310581.7910	
CC		1959012.5793	2310719.9866	
PT 170+62.44		1959066.8338	2310590.9267	
Delta:	32-00-36	Type: RIGHT		
Radius:	140.00	DOC: 40-55-32		
Length:	78.22	Tangent: 40.16		
Mid-Ord:	5.43	External: 5.65		
Chord:	77.20	Course: N 06-47-46 E		
Es:	5.65			
Tangent Data				
PI 171+76.22		1959171.7239	2310635.0207	
Length:	171.89	Course: N 19-35-08 W		
Delta:	42-23-12			
Tangent Data				
170+62.44		1959066.8338	2310590.9267	
170+79.29		1959082.3639	2310597.4553	
Length:	16.85	Course: N 22-48-04 E		
Circular Curve Data				
PC 170+79.29		1959082.3639	2310597.4553	
CC		1959179.2470	2310366.9913	
PT 172+64.23		1959263.0503	2310602.5269	
Delta:	42-23-12	Type: LEFT		
Radius:	250.00	DOC: 22-55-06		
Length:	184.95	Tangent: 96.93		
Mid-Ord:	16.91	External: 18.13		
Chord:	180.76	Course: N 01-36-28 E		
Es:	18.13			
Tangent Data				
PI 173+39.19		1959333.6732	2310577.3993	
Length:	97.94	Course: N 15-04-55 E		
Delta:	34-40-03			
Tangent Data				
172+64.23		1959263.0503	2310602.5269	
173+00.18		1959296.9166	2310590.4773	
Length:	35.95	Course: N 19-35-08 W		
Circular Curve Data				
PC 173+00.18		1959296.9166	2310590.4773	
CC		1959338.8183	2310708.2451	
PT 173+75.81		1959371.3432	2310587.5507	
Delta:	34-40-03	Type: RIGHT		
Radius:	125.00	DOC: 45-50-12		
Length:	75.63	Tangent: 39.01		
Mid-Ord:	5.68	External: 5.95		
Chord:	74.48	Course: N 02-15-06 W		
Es:	5.95			
Tangent Data				
PI 174+34.73		1959428.2352	2310602.8821	
Length:	149.20	Course: N 25-42-16 W		
Delta:	40-47-11			
Tangent Data				
173+75.81		1959371.3432	2310587.5507	
173+93.84		1959388.7501	2310592.2416	
Length:	18.03	Course: N 15-04-55 E		
Circular Curve Data				
PC 173+93.84		1959388.7501	2310592.2416	
CC		1959417.3721	2310486.0305	
PT 174+72.14		1959465.0822	2310585.1453	
Delta:	40-47-11	Type: LEFT		
Radius:	110.00	DOC: 52-05-13		
Length:	78.30	Tangent: 40.89		
Mid-Ord:	6.89	External: 7.36		
Chord:	76.66	Course: N 05-18-41 W		
Es:	7.36			
Tangent Data				
PI 175+80.45		1959562.6680	2310538.1712	
Length:	93.63	Course: N 13-41-35 W		
Delta:	12-00-41			
Tangent Data				
174+72.14		1959465.0822	2310585.1453	
175+54.14		1959538.9695	2310549.5788	
Length:	82.00	Course: N 25-42-16 W		
Circular Curve Data				
PC 175+54.14		1959538.9695	2310549.5788	
CC		1959647.4017	2310774.8396	
PT 176+06.55				

PI	176+73.88	Length: 151.36 Delta: 30-12-28	Course: N 16-30-53 E	1959653.6371 2310516.0070
Tangent Data				
	176+06.55 176+46.89	Length: 40.34	Course: N 13-41-35 W	1959588.2216 2310531.9452 1959627.4148 2310522.3959
Circular Curve Data				
PC	176+46.89	Delta: 30-12-28 Radius: 100.00 Length: 52.72 Mid-Ord: 3.45 Chord: 52.11 Es: 3.58	Type: RIGHT DOC: 57-17-45 Tangent: 26.99 External: 3.58 Course: N 01-24-39 E	1959627.4148 2310522.3959 1959651.0868 2310619.5537 1959679.5131 2310523.6791
CC				
PT	176+99.62			
Circular Curve Data				
PI	178+23.99	Length: 506.02 Delta: 22-54-50	Course: N 06-23-57 W	1959798.7516 2310559.0326
Tangent Data				
	176+99.62 177+42.92	Length: 43.30	Course: N 16-30-53 E	1959721.0278 2310535.9879 1959721.0278 2310535.9879
Circular Curve Data				
PC	177+42.92	Delta: 22-54-50 Radius: 400.00 Length: 159.97 Mid-Ord: 7.97 Chord: 158.91 Es: 8.13	Type: LEFT DOC: 14-19-26 Tangent: 81.07 External: 8.13 Course: N 05-03-28 E	1959721.0278 2310535.9879 1959834.7328 2310152.4893 1959879.3147 2310549.9972
CC				
PT	179+02.89			
Circular Curve Data				
PI	183+27.84	Length: 64.80 Delta: 8-25-33	Course: N 14-49-30 W	1960301.6181 2310502.6344
Tangent Data				
	179+02.89 183+13.11	Length: 410.22	Course: N 06-23-57 W	1959879.3147 2310549.9972 1960286.9776 2310504.2764
Circular Curve Data				
PC	183+13.11	Delta: 08-25-33 Radius: 200.00 Length: 29.41 Mid-Ord: 0.54 Chord: 29.38 Es: 0.54	Type: LEFT DOC: 28-38-52 Tangent: 14.73 External: 0.54 Course: N 10-36-43 W	1960286.9776 2310504.2764 1960264.6867 2310305.5225 1960315.8599 2310498.8650
CC				
PT	183+42.52			
Circular Curve Data				
PI	183+92.58	Length: 414.99 Delta: 7-35-09	Course: N 07-14-20 W	1960364.2594 2310486.0548
Tangent Data				
	183+42.52 183+79.32	Length: 36.81	Course: N 14-49-30 W	1960315.8599 2310498.8650 1960351.4415 2310489.4474
Circular Curve Data				
PC	183+79.32	Delta: 07-35-09 Radius: 200.00 Length: 26.48 Mid-Ord: 0.44 Chord: 26.46 Es: 0.44	Type: RIGHT DOC: 28-38-52 Tangent: 13.26 External: 0.44 Course: N 11-01-55 W	1960351.4415 2310489.4474 1960402.6147 2310682.7898 1960377.4130 2310484.3840
CC				
PT	184+05.80			
Circular Curve Data				
PI	188+07.53	Length: 193.04 Delta: 0-51-54	Course: N 08-06-15 W	1960775.9399 2310433.7628
Tangent Data				
	184+05.80 188+07.53	Length: 401.73	Course: N 07-14-20 W	1960377.4130 2310484.3840 1960775.9399 2310433.7628
Circular Curve Data				
PI	190+00.57	Length: 144.45 Delta: 40-59-32	Course: N 49-05-47 W	1960967.0478 2310406.5503
Tangent Data				
	188+07.53 189+55.71	Length: 148.18	Course: N 08-06-15 W	1960775.9399 2310433.7628 1960922.6389 2310412.8739

Circular Curve Data				
PC	189+55.71	Delta: 40-59-32 Radius: 120.00 Length: 85.85 Mid-Ord: 7.60 Chord: 84.03 Es: 8.11	Type: LEFT DOC: 47-44-47 Tangent: 44.86 External: 8.11 Course: N 28-36-01 W	1960922.6389 2310412.8739 1960905.7224 2310294.0722 1960996.4197 2310372.6470
CC				
PT	190+41.57			
Circular Curve Data				
PI	191+41.16	Length: 136.07 Delta: 44-19-42	Course: N 04-46-05 W	1961061.6344 2310297.3709
Tangent Data				
	190+41.57 190+59.69	Length: 18.12	Course: N 49-05-47 W	1960996.4197 2310372.6470 1961008.2871 2310358.9487
Circular Curve Data				
PC	190+59.69	Delta: 44-19-42 Radius: 200.00 Length: 154.73 Mid-Ord: 14.78 Chord: 150.90 Es: 15.96	Type: RIGHT DOC: 28-38-52 Tangent: 81.47 External: 15.96 Course: N 26-55-56 W	1961008.2871 2310358.9487 1961159.4493 2310489.9066 1961142.8249 2310290.5988
CC				
PT	192+14.42			
Circular Curve Data				
PI	192+69.02	Length: 128.27 Delta: 6-51-39	Course: N 11-37-44 W	1961197.2299 2310286.0608
Tangent Data				
	192+14.42 192+57.03	Length: 42.61	Course: N 04-46-05 W	1961142.8249 2310290.5988 1961185.2826 2310287.0573
Circular Curve Data				
PC	192+57.03	Delta: 06-51-39 Radius: 200.00 Length: 23.95 Mid-Ord: 0.36 Chord: 23.93 Es: 0.36	Type: LEFT DOC: 28-38-52 Tangent: 11.99 External: 0.36 Course: N 08-11-55 W	1961185.2826 2310287.0573 1961168.6582 2310087.7494 1961208.9727 2310283.6442
CC				
PT	192+80.98			
Circular Curve Data				
PI	193+97.26	Length: 107.26 Delta: 37-34-08	Course: N 25-56-24 E	1961322.8623 2310260.2060
Tangent Data				
	192+80.98 193+56.44	Length: 75.46	Course: N 11-37-44 W	1961208.9727 2310283.6442 1961282.8852 2310268.4332
Circular Curve Data				
PC	193+56.44	Delta: 37-34-08 Radius: 120.00 Length: 78.68 Mid-Ord: 6.39 Chord: 77.28 Es: 6.75	Type: RIGHT DOC: 47-44-47 Tangent: 40.81 External: 6.75 Course: N 07-09-20 E	1961282.8852 2310268.4332 1961307.0739 2310385.9700 1961359.5652 2310278.0596
CC				
PT	194+35.12			
Circular Curve Data				
PI	195+01.57	Length: 160.93 Delta: 33-08-39	Course: N 07-12-15 W	1961419.3129 2310307.1229
Tangent Data				
	194+35.12 194+56.93	Length: 21.80	Course: N 25-56-24 E	1961359.5652 2310278.0596 1961379.1725 2310287.5973
Circular Curve Data				
PC	194+56.93	Delta: 33-08-39 Radius: 150.00 Length: 86.77 Mid-Ord: 6.23 Chord: 85.57 Es: 6.50	Type: LEFT DOC: 38-11-50 Tangent: 44.64 External: 6.50 Course: N 09-22-04 E	1961379.1725 2310287.5973 1961444.7867 2310152.7093 1961463.5979 2310301.5251
CC				
PT	195+43.70			
Circular Curve Data				
PI	196+60	Length: 368.54 Delta: 2-41-42	Course: N 09-53-57 W	1961578.9773 2310286.9404

Tangent Data				
	195+43.70 196+60	Length: 116.30	Course: N 07-12-15 W	1961463.5979 2310301.5251 1961578.9773 2310286.9404
Circular Curve Data				
PI	200+28.54	Length: 471.86 Delta: 11-47-14	Course: N 21-41-11 W	1961942.0337 2310223.5820
Tangent Data				
	196+60 200+18.22	Length: 358.22	Course: N 09-53-57 W	1961578.9773 2310286.9404 1961931.8646 2310225.3566
Circular Curve Data				
PC	200+18.22	Delta: 11-47-14 Radius: 100.00 Length: 20.57 Mid-Ord: 0.53 Chord: 20.54 Es: 0.53	Type: LEFT DOC: 57-17-45 Tangent: 10.32 External: 0.53 Course: N 15-47-34 W	1961931.8646 2310225.3566 1961914.6730 2310126.8455 1961951.6258 2310219.7675
CC				
PT	200+38.79			
Circular Curve Data				
PI	205+00.33	Length: 198.28 Delta: 34-28-46	Course: N 12-47-34 E	1962380.4939 2310049.2174
Tangent Data				
	200+38.79 203+91.72	Length: 352.93	Course: N 21-41-11 W	1961951.6258 2310219.7675 1962279.5726 2310089.3512
Circular Curve Data				
PC	203+91.72	Delta: 34-28-46 Radius: 350.00 Length: 210.62 Mid-Ord: 15.72 Chord: 207.46 Es: 16.46	Type: RIGHT DOC: 16-22-13 Tangent: 108.61 External: 16.46 Course: N 04-26-49 W	1962279.5726 2310089.3512 1962408.9072 2310414.5782 1962486.4065 2310073.2662
CC				
PT	206+02.34			
Circular Curve Data				
PI	206+92.02	Length: 90.93 Delta: 8-06-01	Course: N 20-53-35 E	1962573.8564 2310093.1229
Tangent Data				
	206+02.34 206+84.93	Length: 82.60	Course: N 12-47-34 E	1962486.4065 2310073.2662 1962566.9516 2310091.5550
Circular Curve Data				
PC	206+84.93	Delta: 08-06-01 Radius: 100.00 Length: 14.14 Mid-Ord: 0.25 Chord: 14.13 Es: 0.25	Type: RIGHT DOC: 57-17-45 Tangent: 7.08 External: 0.25 Course: N 16-50-35 E	1962566.9516 2310091.5550 1962544.8089 2310189.0727 1962580.4715 2310095.6480
CC				
PT	206+99.07			
Circular Curve Data				
PI	207+82.92	Length: 51.51 Delta: 43-09-17	Course: N 64-02-53 E	1962658.8105 2310125.5520
Tangent Data				
	206+99.07 207+43.38	Length: 44.31	Course: N 20-53-35 E	1962580.4715 2310095.6480 1962621.8637 2310111.4484
Circular Curve Data				
PC	207+43.38	Delta: 43-09-17 Radius: 100.00 Length: 75.32 Mid-Ord: 7.01 Chord: 73.55 Es: 7.54	Type: RIGHT DOC: 57-17-45 Tangent: 39.55 External: 7.54 Course: N 42-28-14 E	1962621.8637 2310111.4484 1962586.2011 2310204.8732 1962676.1171 2310161.1113
CC				
PT	208+18.70			
Circular Curve Data				
PI	208+30.66	Length: 368.54 Delta: 2-41-42	Course: N 09-53-57 W	1962681.3512 2310171.8655
Tangent Data				
	208+18.70 208+30.66	Length: 11.96	Course: N 64-02-53 E	1962676.1171 2310161.1113 1962681.3512 2310171.8655

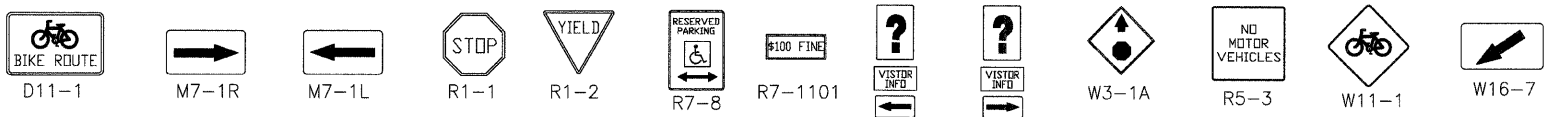
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	10
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	000800

SPUR ALIGNMENT

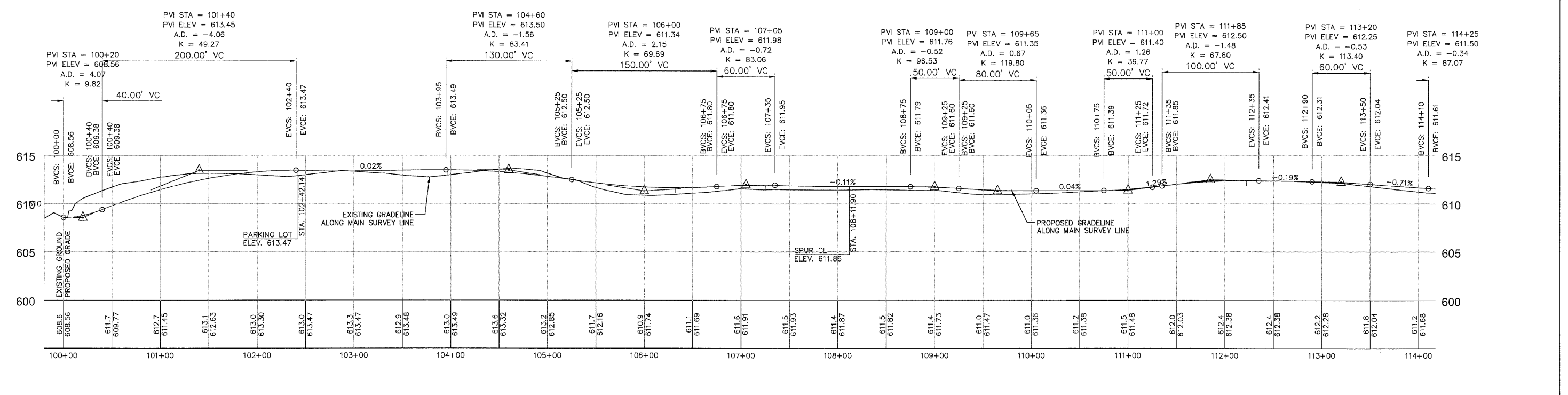
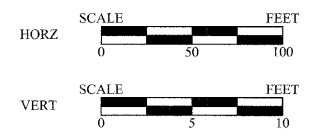
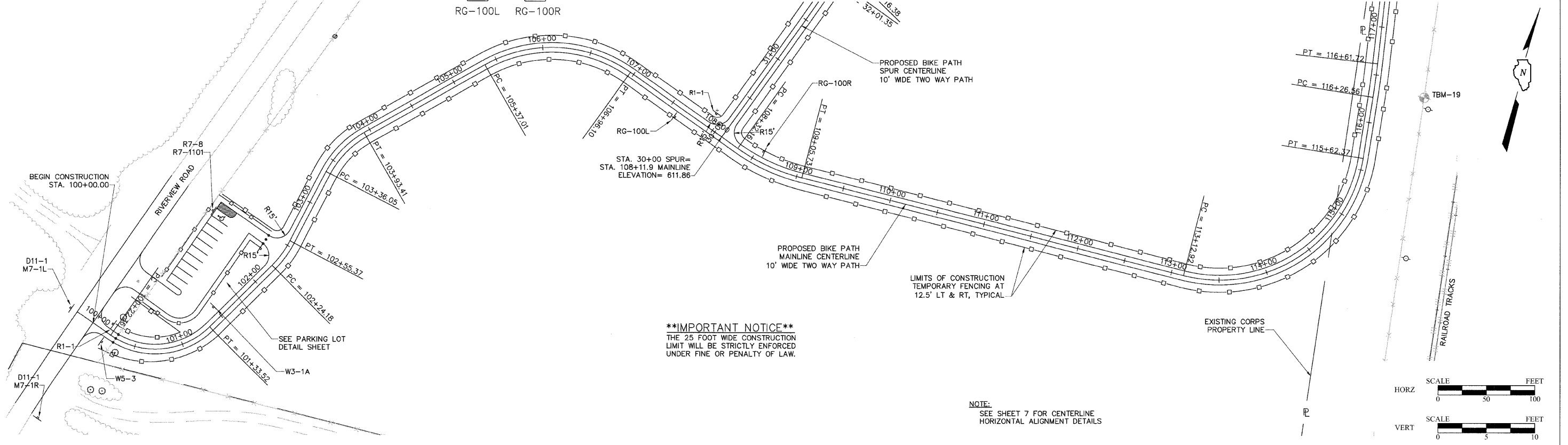
Horizontal Alignment Station and Curve Report.

Alignment: CENTERLINE SEGMENT 1
 Desc. Station Spiral/Curve Data Northing Easting

PI	30+00								
	Length:	208.88	Course:	1953496.7471	2310591.1155				
				N 20-26-50 E					
PI	32+08.88								
	Length:	104.23	Course:	1953692.4647	2310664.0859				
	Delta:	8-36-36		N 29-03-26 E					
	Tangent Data								
	30+00			1953496.7471	2310591.1155				
	32+01.35			1953685.4111	2310661.4561				
	Length:	201.35	Course:	N 20-26-50 E					
PC	32+01.35								
CC									
PT	32+16.38								
	Delta:	08-36-36	Type:	RIGHT					
	Radius:	100.00	DOC:	57-17-45					
	Length:	15.03	Tangent:	7.53					
	Mid-Ord:	0.28	External:	0.28					
	Chord:	15.01	Course:	N 24-45-08 E					
	Es:	0.28							
PI	33+13.08								
	Length:	457.06	Course:	1953783.5776	2310714.7098				
	Delta:	13-03-51		N 15-59-36 E					
	Tangent Data								
	32+16.38			1953699.0451	2310667.7421				
	33+01.63			1953773.5686	2310709.1487				
	Length:	85.25	Course:	N 29-03-26 E					
PC	33+01.63								
CC									
PT	33+24.43								
	Delta:	13-03-51	Type:	LEFT					
	Radius:	100.00	DOC:	57-17-45					
	Length:	22.80	Tangent:	11.45					
	Mid-Ord:	0.65	External:	0.65					
	Chord:	22.75	Course:	N 22-31-31 E					
	Es:	0.65							
PI	37+70.05								
	Length:	338.43	Course:	1954222.9510	2310840.6421				
	Delta:	68-22-05		N 84-21-41 E					
	Tangent Data								
	33+24.43			1953794.5846	2310717.8646				
	37+02.13			1954157.6607	2310821.9288				
	Length:	377.70	Course:	N 15-59-36 E					
PC	37+02.13								
CC									
PT	38+21.45								
	Delta:	68-22-05	Type:	RIGHT					
	Radius:	100.00	DOC:	57-17-45					
	Length:	119.32	Tangent:	67.92					
	Mid-Ord:	17.28	External:	20.88					
	Chord:	112.37	Course:	N 50-10-38 E					
	Es:	20.88							
PI	40+91.96								
	Tangent Data								
	38+21.45			1954229.6244	2310908.2327				
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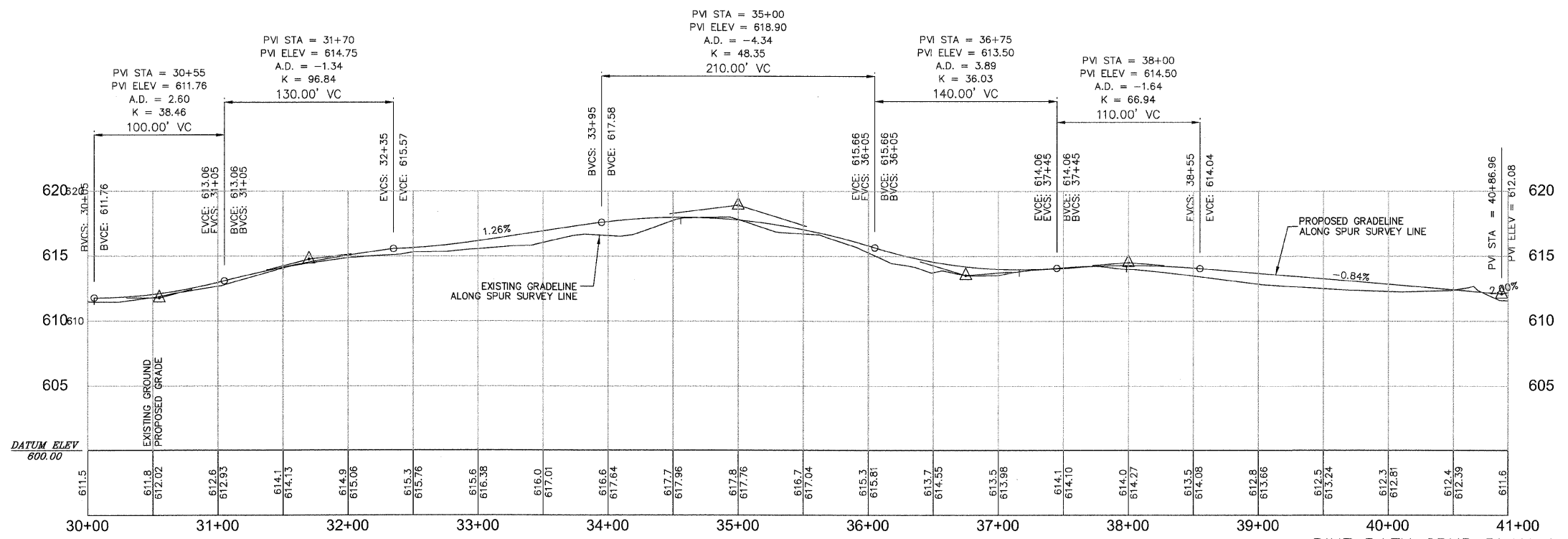
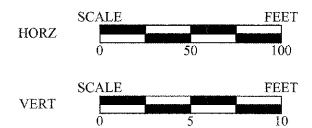
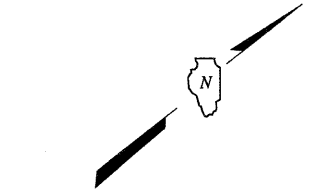
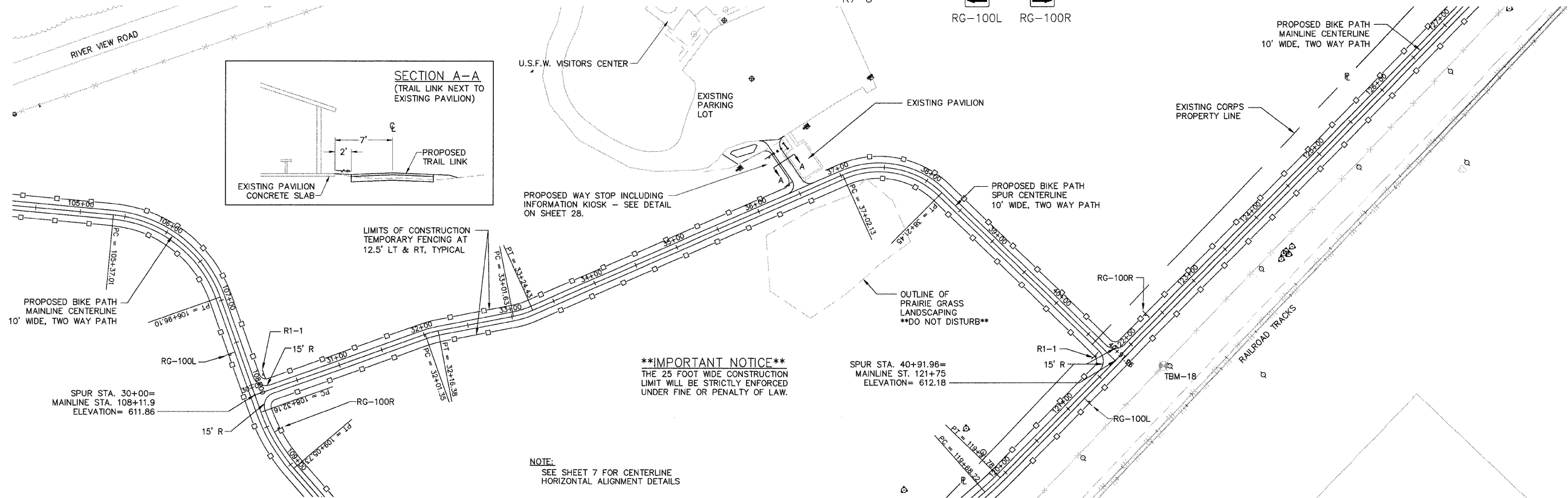
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	11
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				



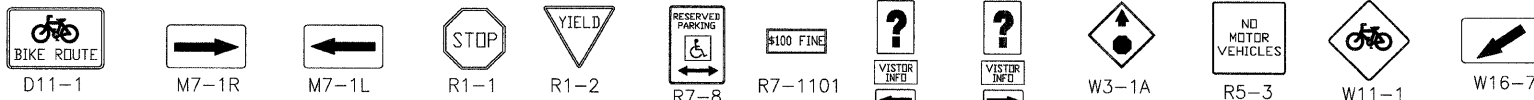
IDNR GRAND ILLINOIS TRAIL
BIKE PATH MAINLINE PLAN & PROFILE, STA. 100+00 - STA. 114+00

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	12
JOB # C-30-043-09		ILLINOIS FED. AID PROJECT		000800

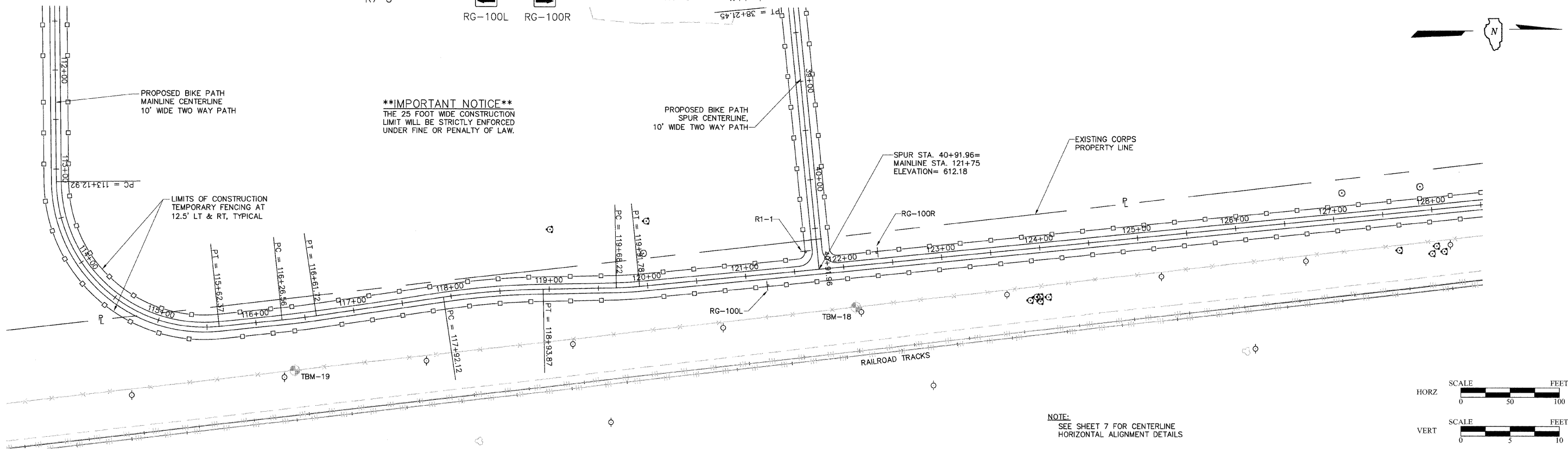
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 M7-1R
 M7-1L
 R1-1
 R1-2
 R7-8
 R7-1101
 RG-100L
 RC-100R
 R5-3
 W11-1
 W16-7
 W3-1A



IDNR GRAND ILLINOIS TRAIL
 BIKE PATH SPUR PLAN & PROFILE, STA. 30+00 - STA. 41+22.25

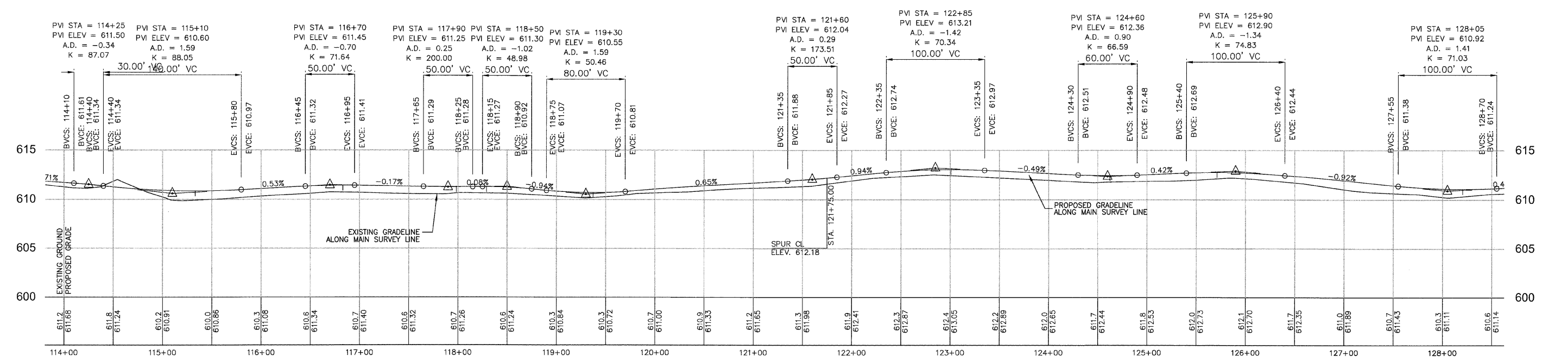
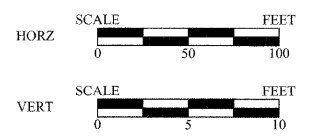


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	13
JOB # C-30-043-09		ILLINOIS FED. AID PROJECT	0005800	

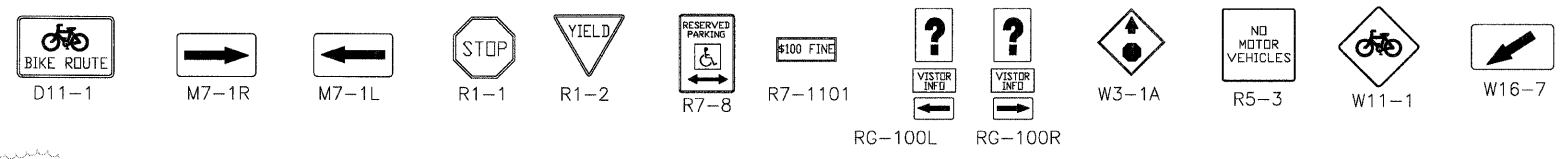


****IMPORTANT NOTICE****
 THE 25 FOOT WIDE CONSTRUCTION LIMIT WILL BE STRICTLY ENFORCED UNDER FINE OR PENALTY OF LAW.

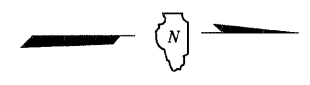
NOTE:
 SEE SHEET 7 FOR CENTERLINE HORIZONTAL ALIGNMENT DETAILS



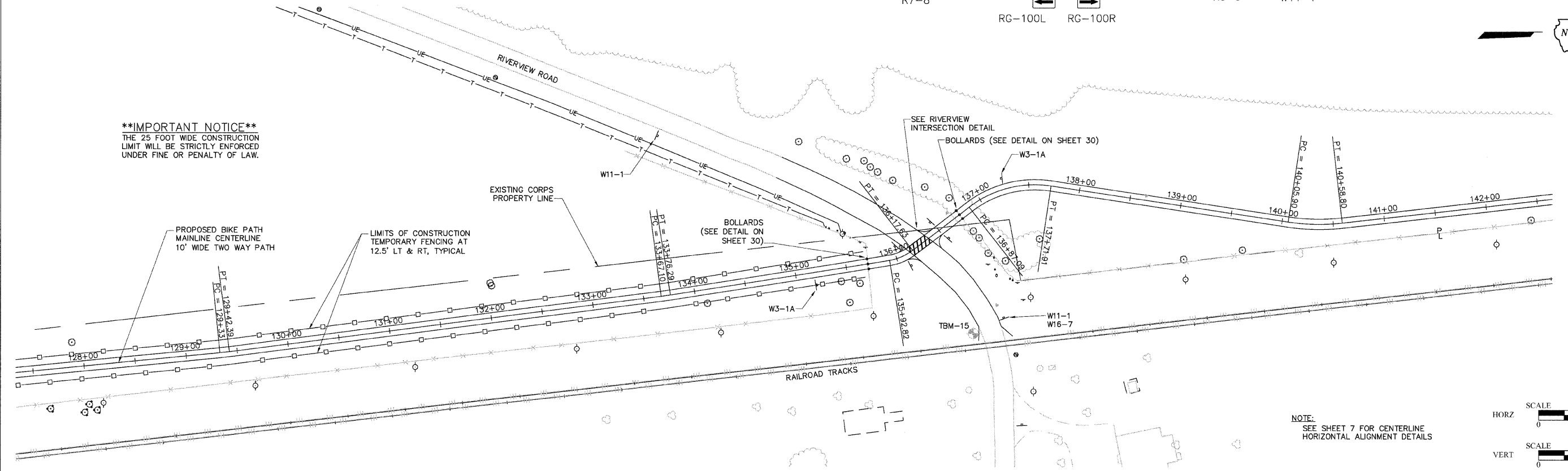
IDNR GRAND ILLINOIS TRAIL
 BIKE PATH MAINLINE PLAN & PROFILE, STA. 114+00 - STA. 128+00



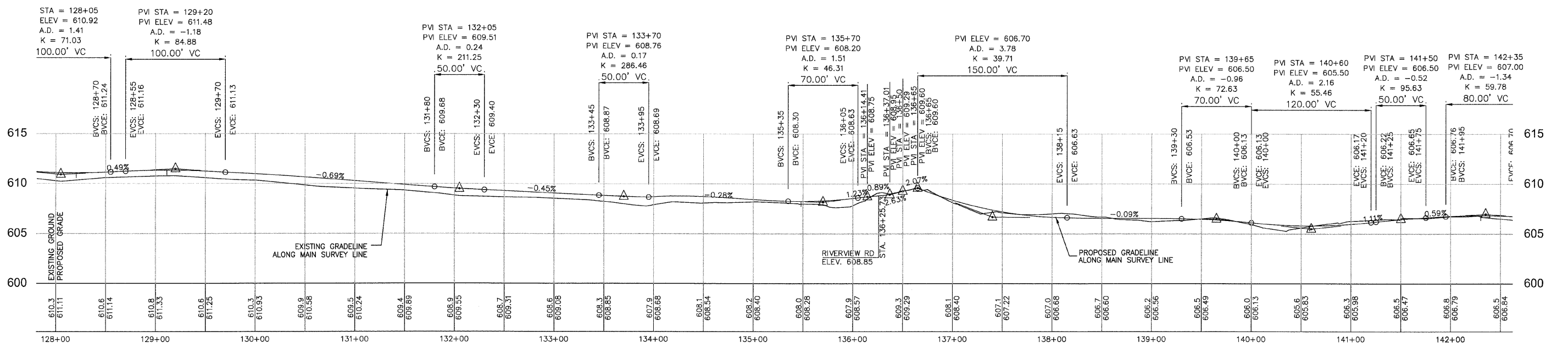
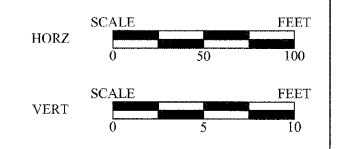
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	14
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				



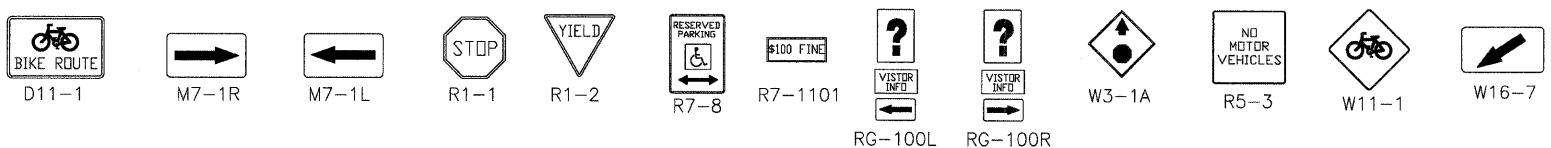
****IMPORTANT NOTICE****
 THE 25 FOOT WIDE CONSTRUCTION LIMIT WILL BE STRICTLY ENFORCED UNDER FINE OR PENALTY OF LAW.



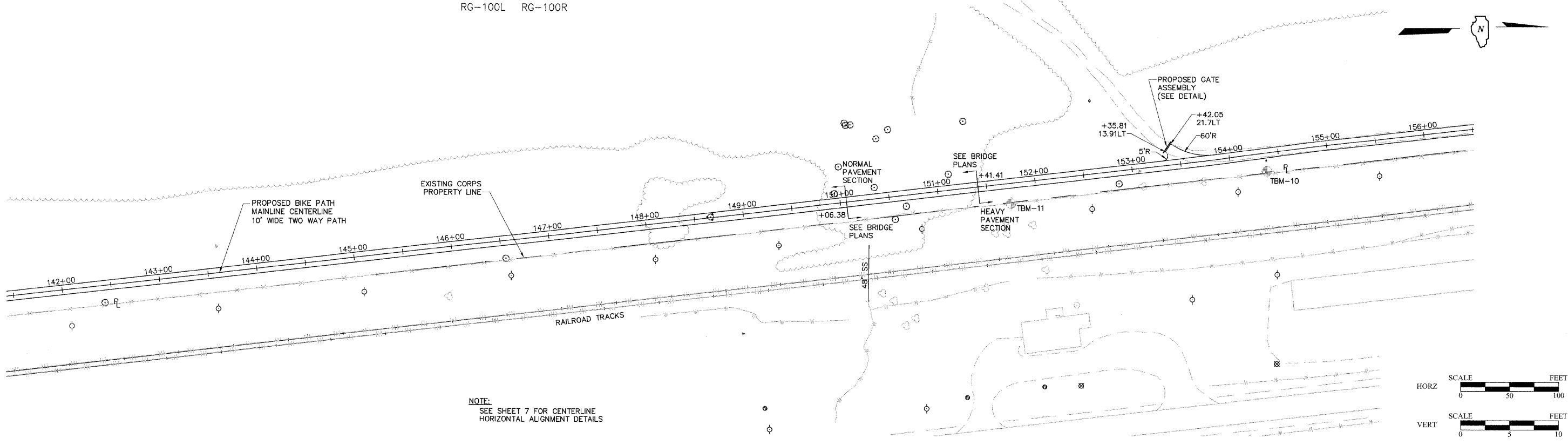
NOTE:
 SEE SHEET 7 FOR CENTERLINE HORIZONTAL ALIGNMENT DETAILS



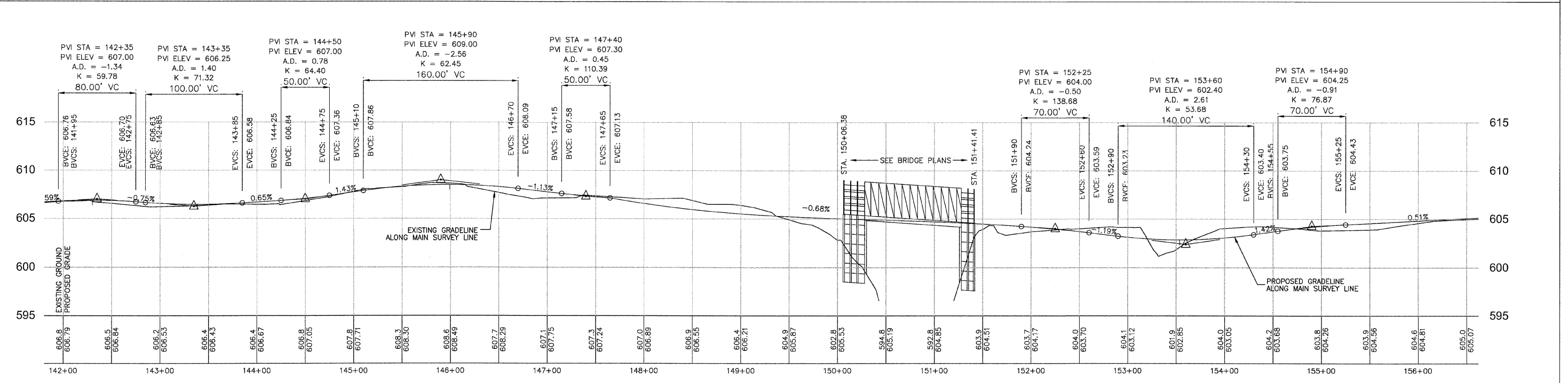
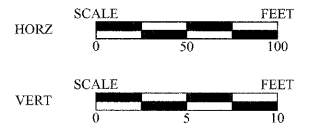
IDNR GRAND ILLINOIS TRAIL
 BIKE PATH MAINLINE PLAN & PROFILE, STA. 128+00 - STA. 142+00



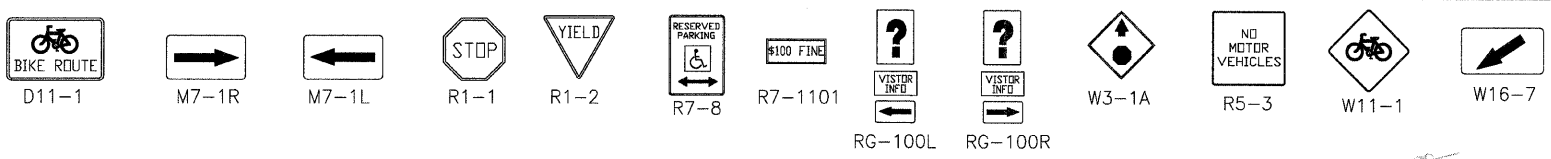
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	15
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



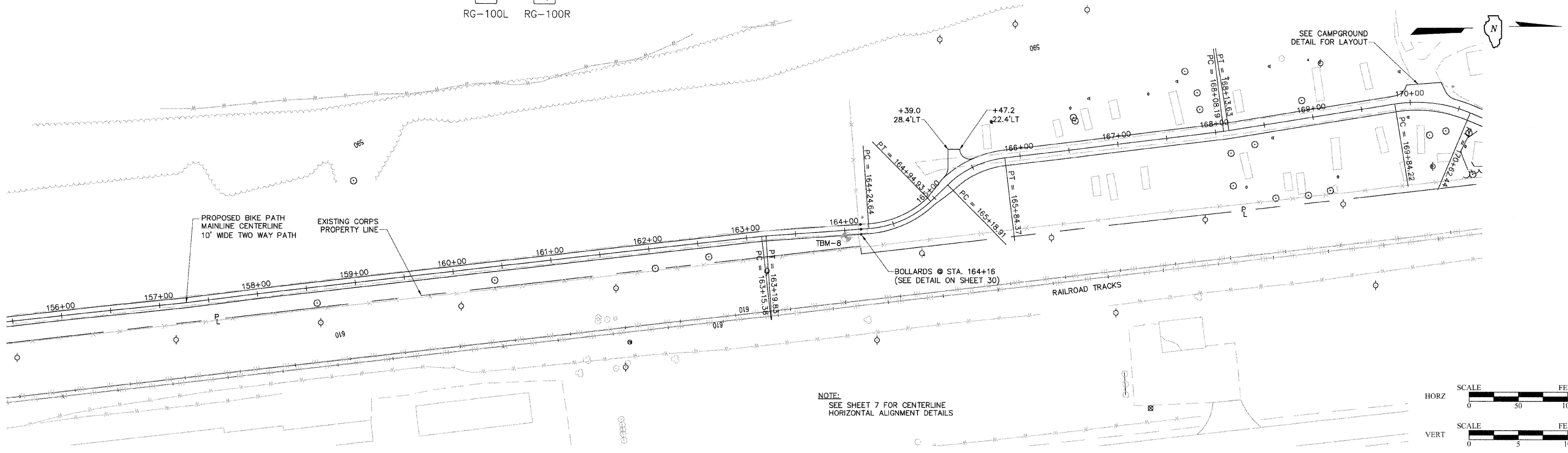
NOTE:
 SEE SHEET 7 FOR CENTERLINE
 HORIZONTAL ALIGNMENT DETAILS



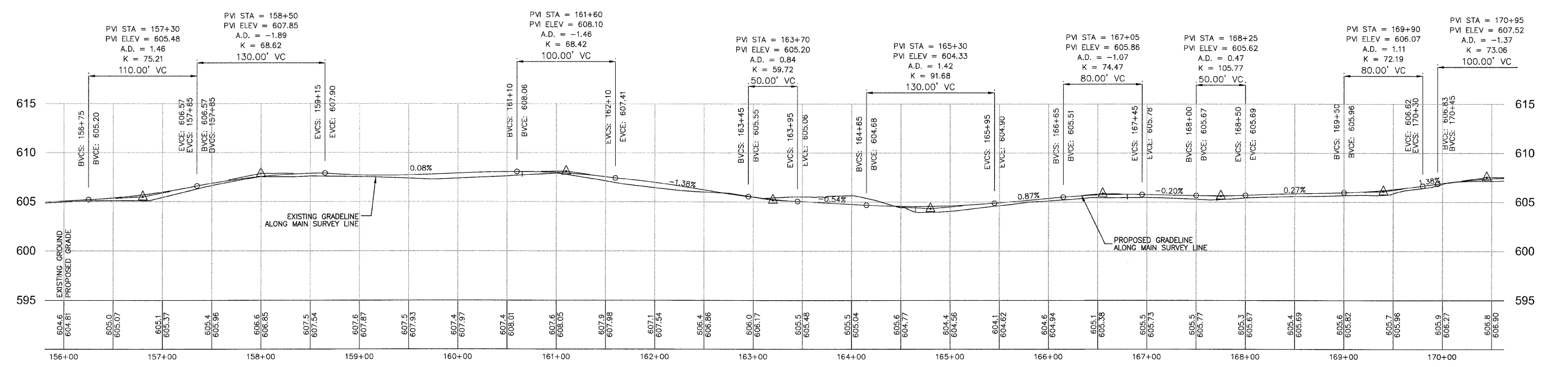
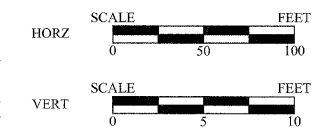
IDNR GRAND ILLINOIS TRAIL
 BIKE PATH MAINLINE PLAN & PROFILE, STA. 142+00 - STA. 156+00



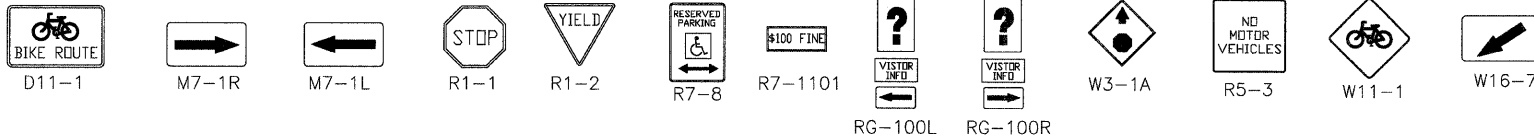
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	16
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	000800



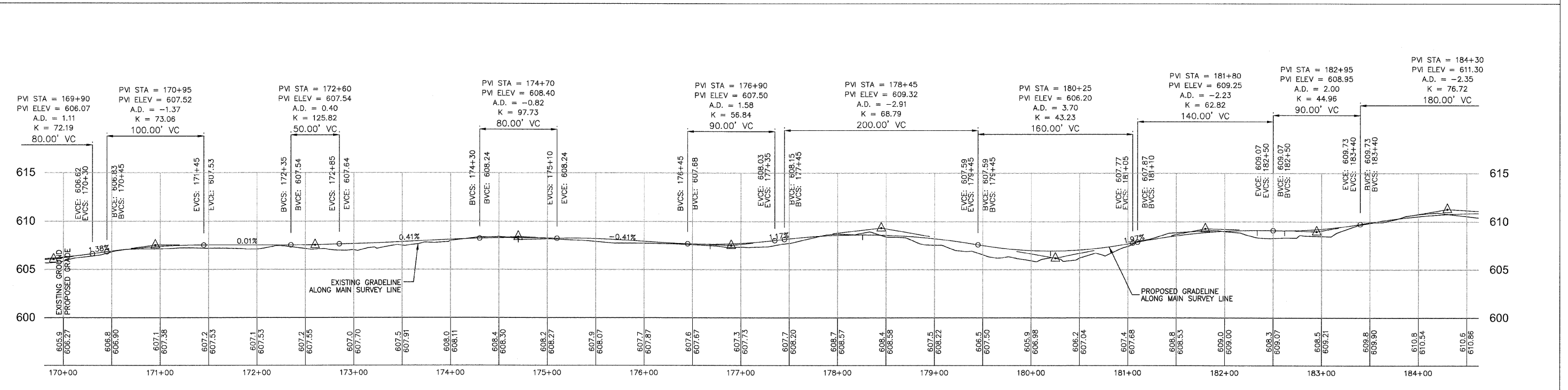
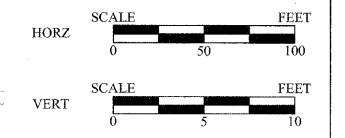
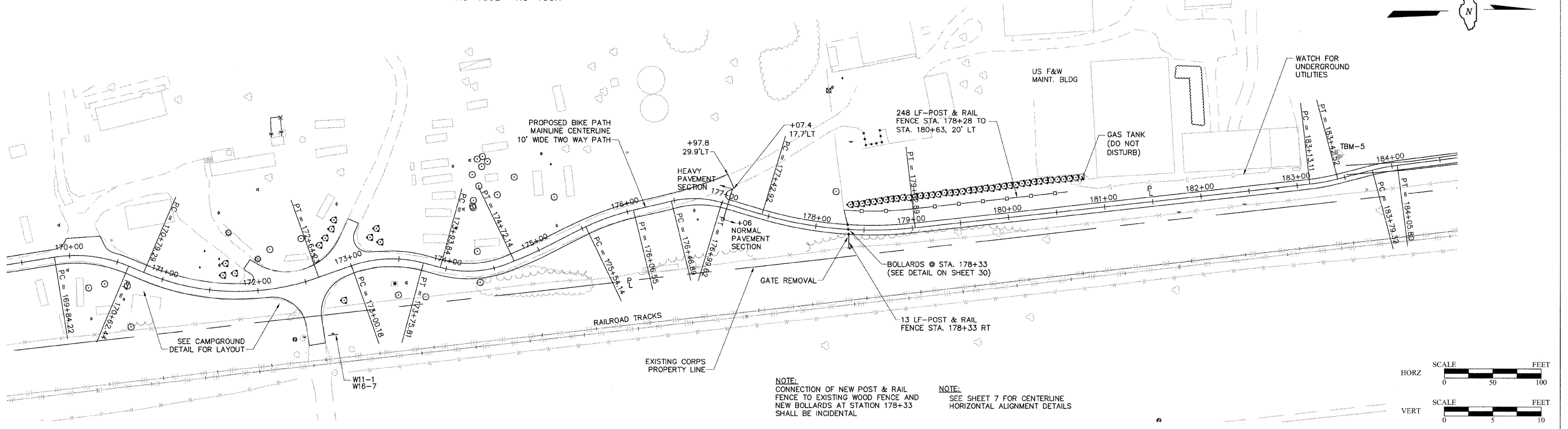
NOTE:
 SEE SHEET 7 FOR CENTERLINE
 HORIZONTAL ALIGNMENT DETAILS



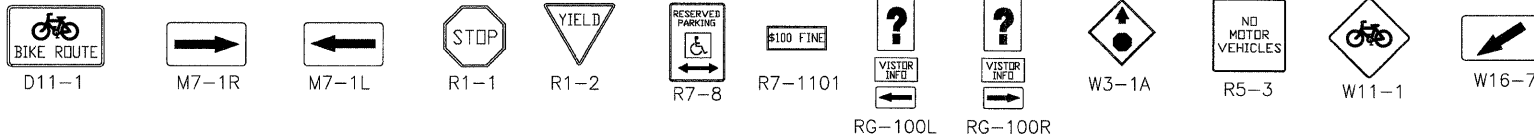
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 BIKE PATH MAINLINE PLAN & PROFILE, STA. 156+00 - STA. 170+00



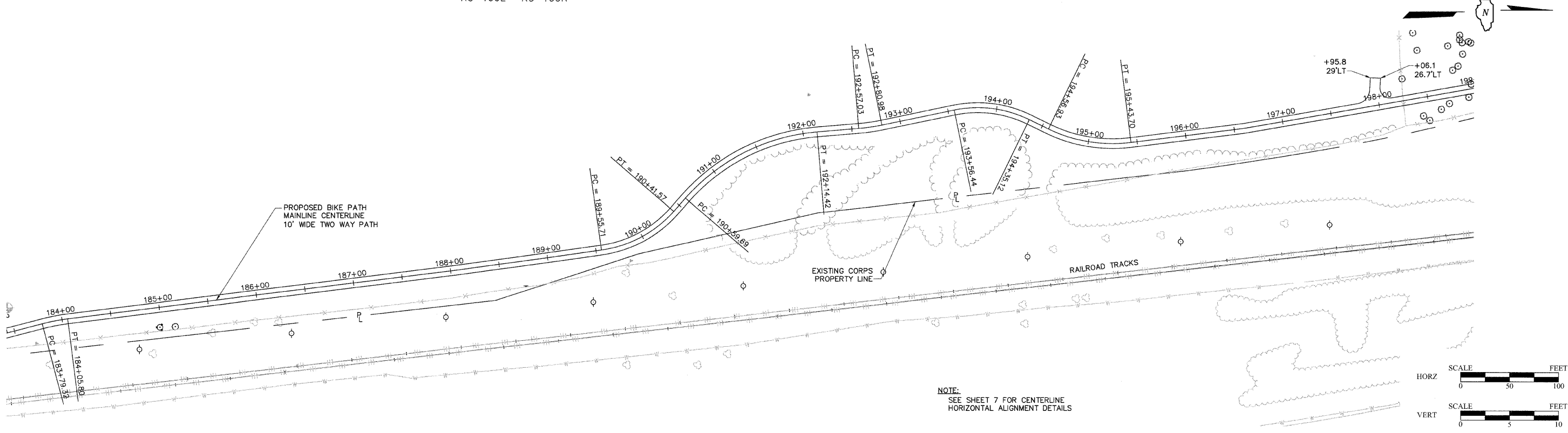
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	17
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				



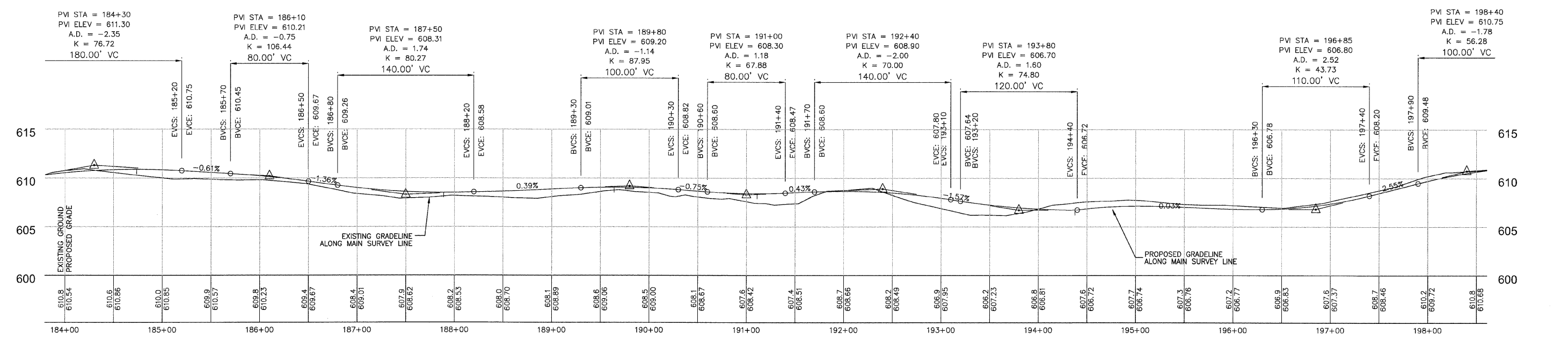
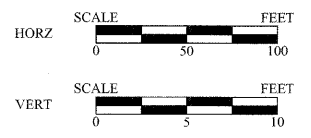
IDNR GRAND ILLINOIS TRAIL
 BIKE PATH MAINLINE PLAN & PROFILE, STA. 170+00 - STA. 184+00



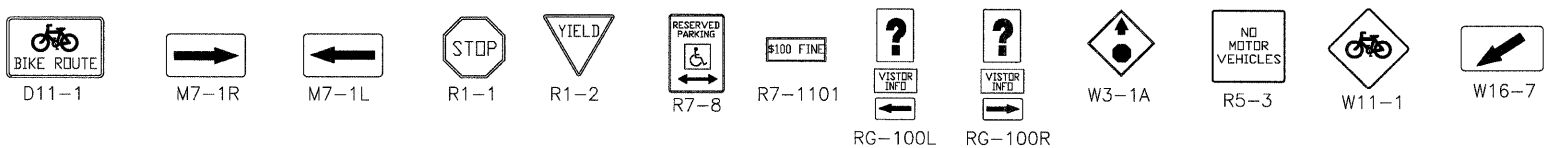
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	18
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				



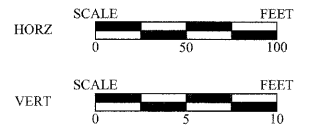
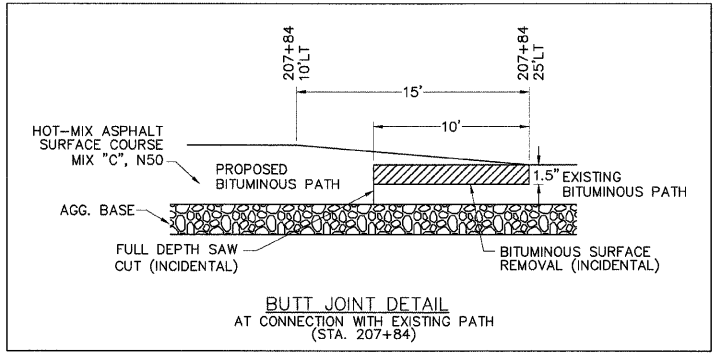
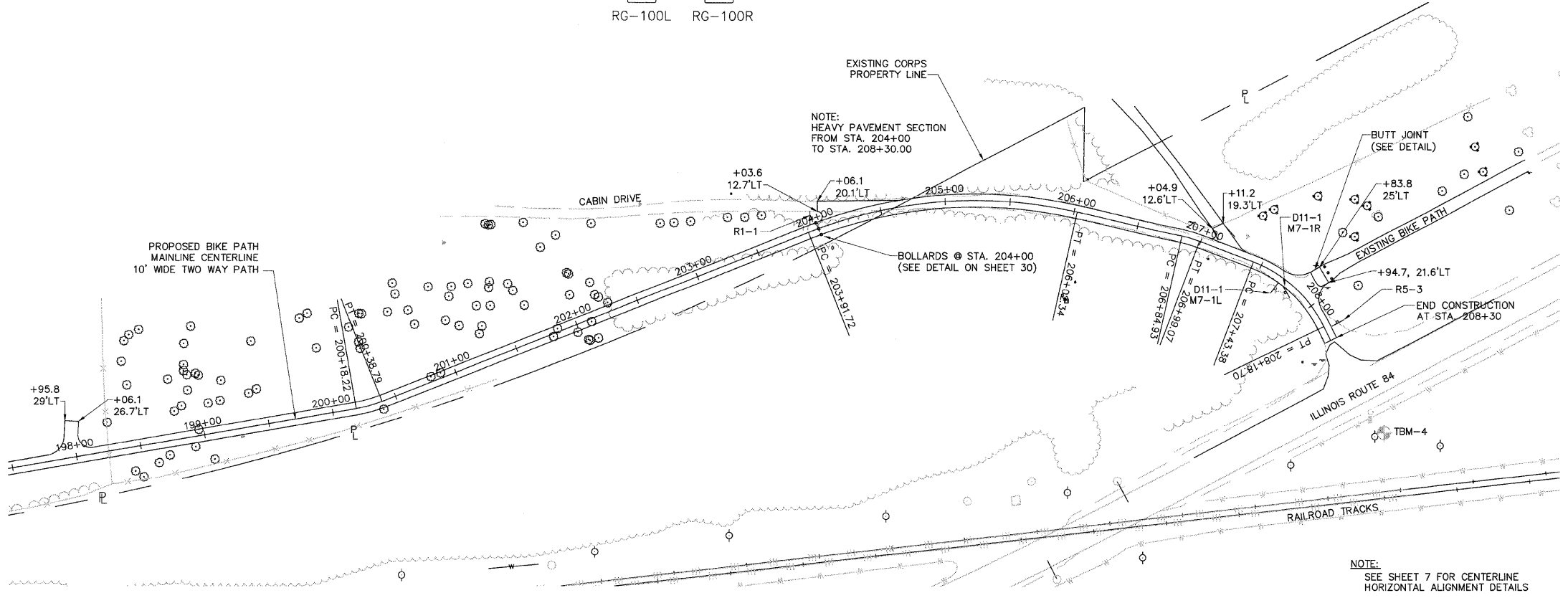
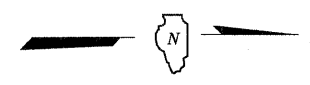
NOTE:
SEE SHEET 7 FOR CENTERLINE
HORIZONTAL ALIGNMENT DETAILS



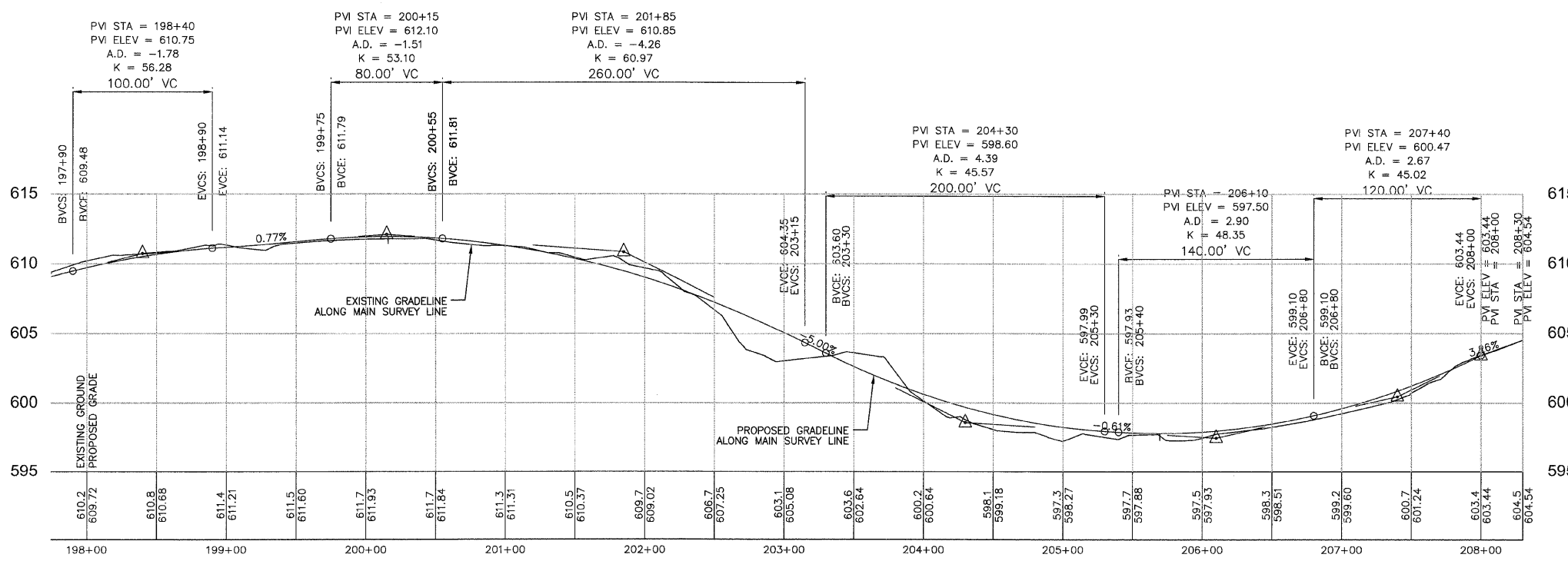
IDNR GRAND ILLINOIS TRAIL
BIKE PATH MAINLINE PLAN & PROFILE, STA. 184+00 - STA. 198+00



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	19
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



NOTE:
SEE SHEET 7 FOR CENTERLINE
HORIZONTAL ALIGNMENT DETAILS



IDNR GRAND ILLINOIS TRAIL
BIKE PATH MAINLINE PLAN & PROFILE, STA. 198+00 - STA. 208+06.42

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	20
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

STORM WATER POLLUTION PREVENTION PLAN

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

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

CERTAIN EROSION CONTROL FACILITIES SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NOTICES, RECORDS, INSPECTION, WEEKLY REPORTS AND DOCUMENTS TO BE FILED WITH THE IEPA AND ALSO KEPT ON SITE DURING AND AFTER CONSTRUCTION IN REFERENCE TO THE STORM WATER POLLUTION PREVENTION PLAN "SWPPP" PREPARED AND SUBMITTED TO THE IEPA BY THE ENGINEER. A COPY OF THIS PLAN WILL BE MADE AVAILABLE AS REQUIRED AT THE PRECONSTRUCTION MEETING AND/OR PRIOR TO THE BEGINNING OF CONSTRUCTION.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF EARTH EXCAVATION, CLEARING, BITUMINOUS PAVEMENT, BRIDGE CONSTRUCTION,
LANDSCAPE RESTORATION, AND OTHER RELATED ITEMS.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES: THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 14.86 ACRES OF WHICH 6.91 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

SUPPORTING REPORTS AND PLANS:

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

USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

MISSISSIPPI RIVER

CONTROLS – EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

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

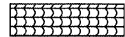
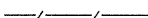


MAINTENANCE AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

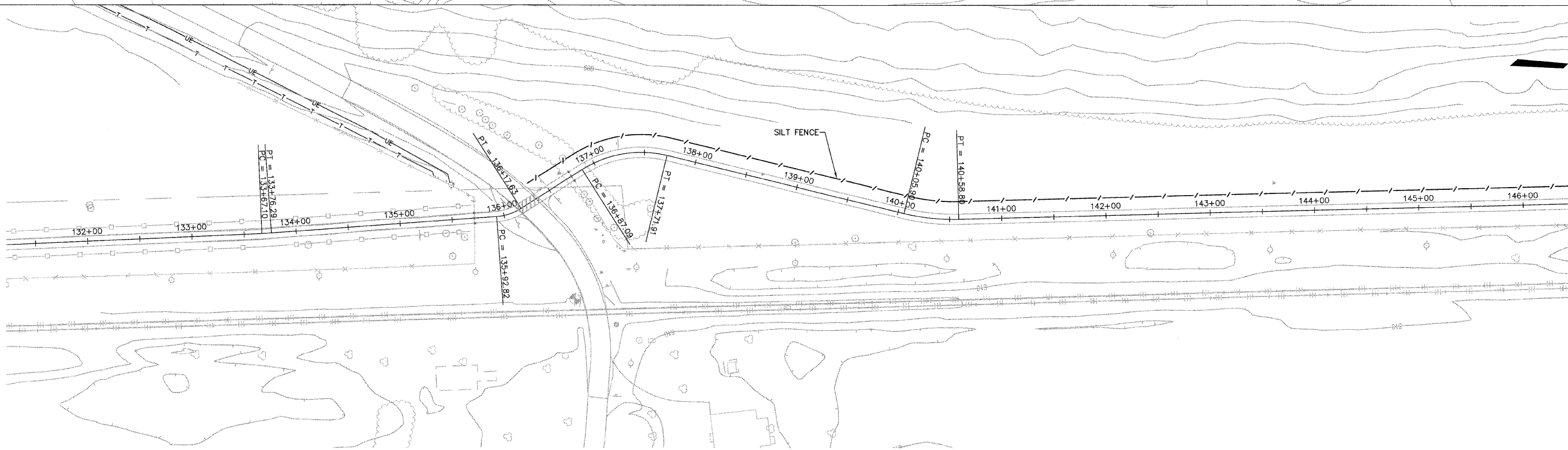
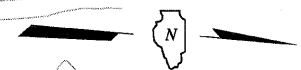
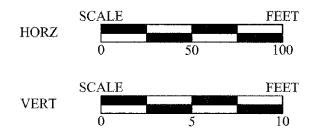
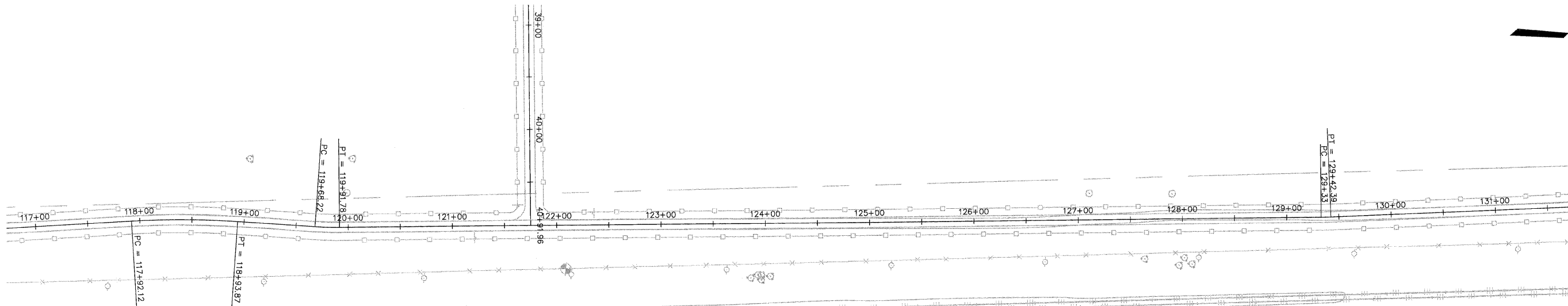
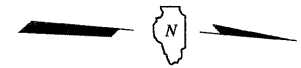
SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCIDENTAL TO THE VARIOUS ITEMS OF THE EROSION CONTROL SYSTEMS.

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

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

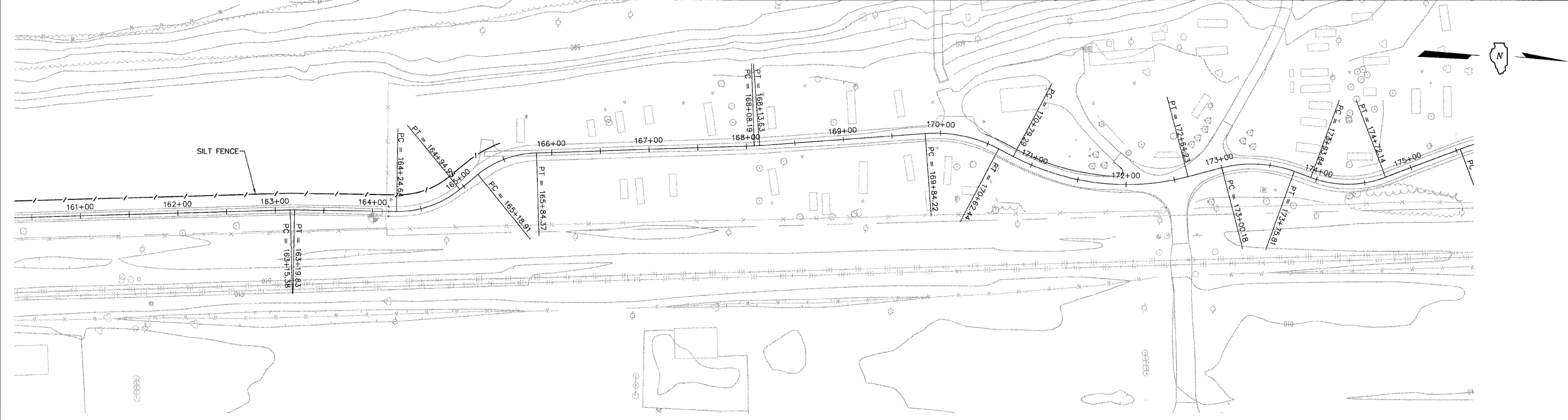
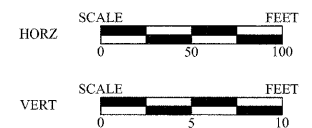
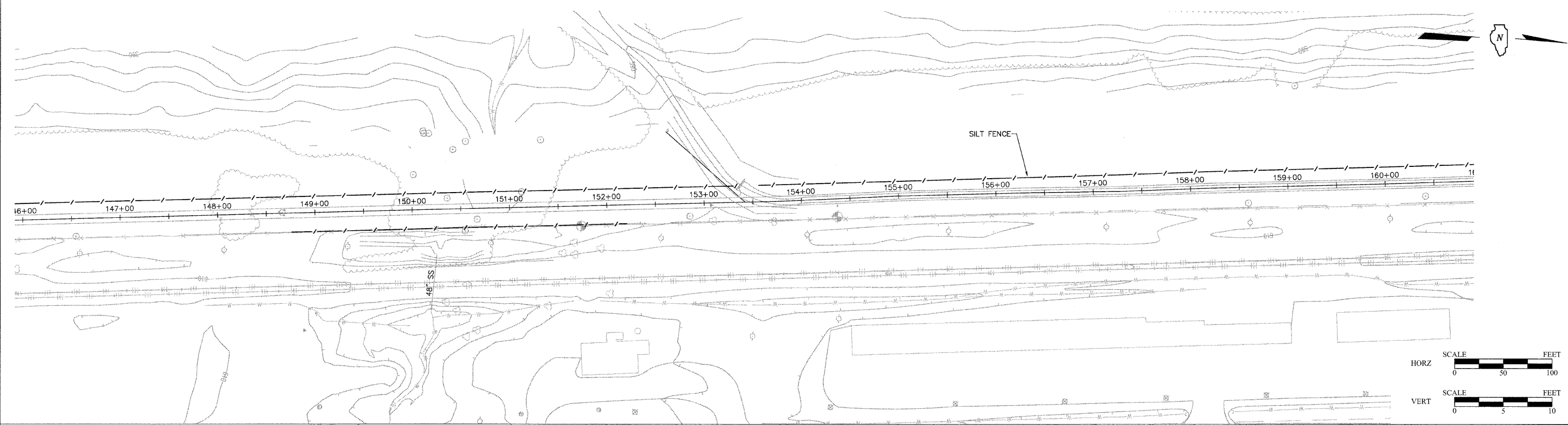
<u>LEGEND</u>	
EROSION CONTROL BLANKET	
SILT FENCE	
INLET AND PIPE PROTECTION	
DITCH CHECK	

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	22
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



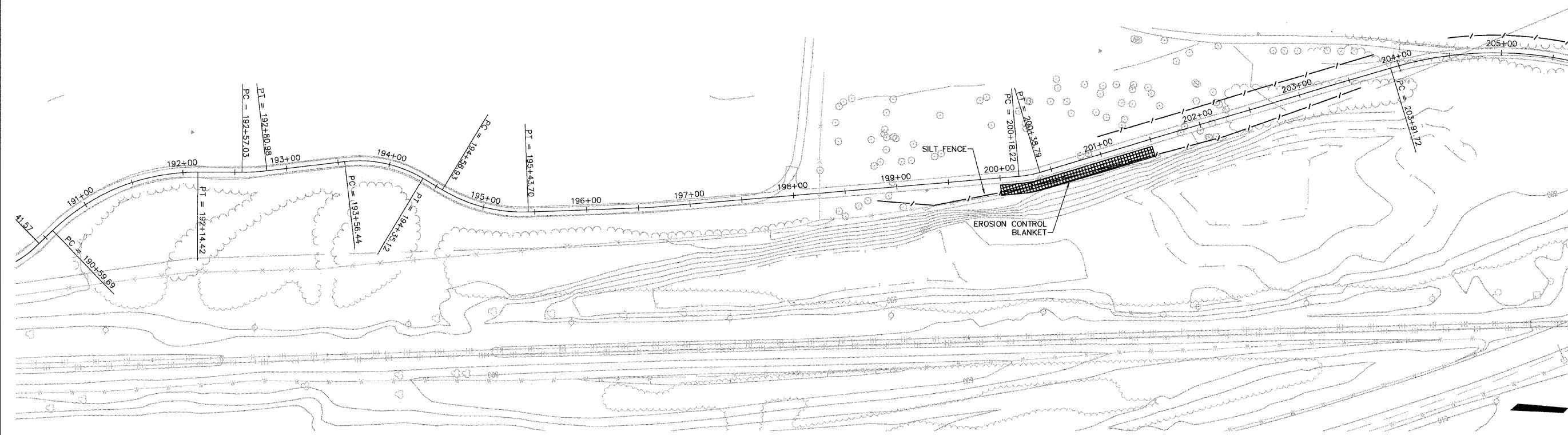
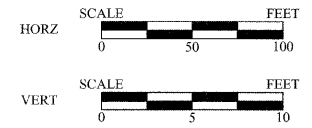
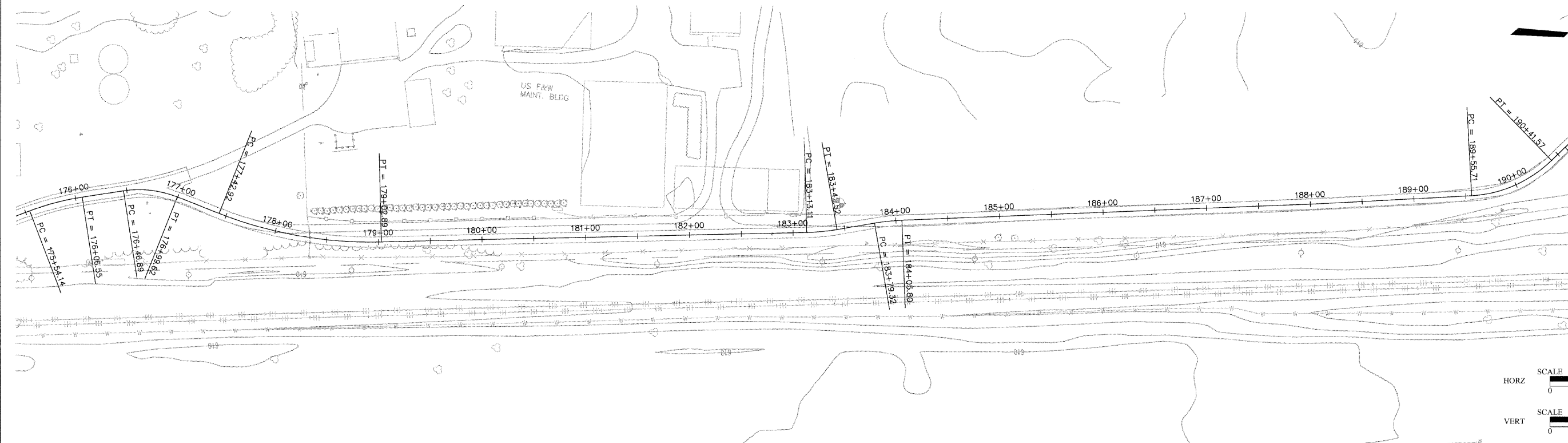
IDNR GRAND ILLINOIS TRAIL
EROSION CONTROL PLAN

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	23
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



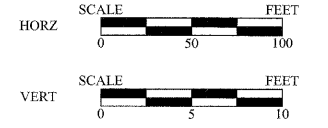
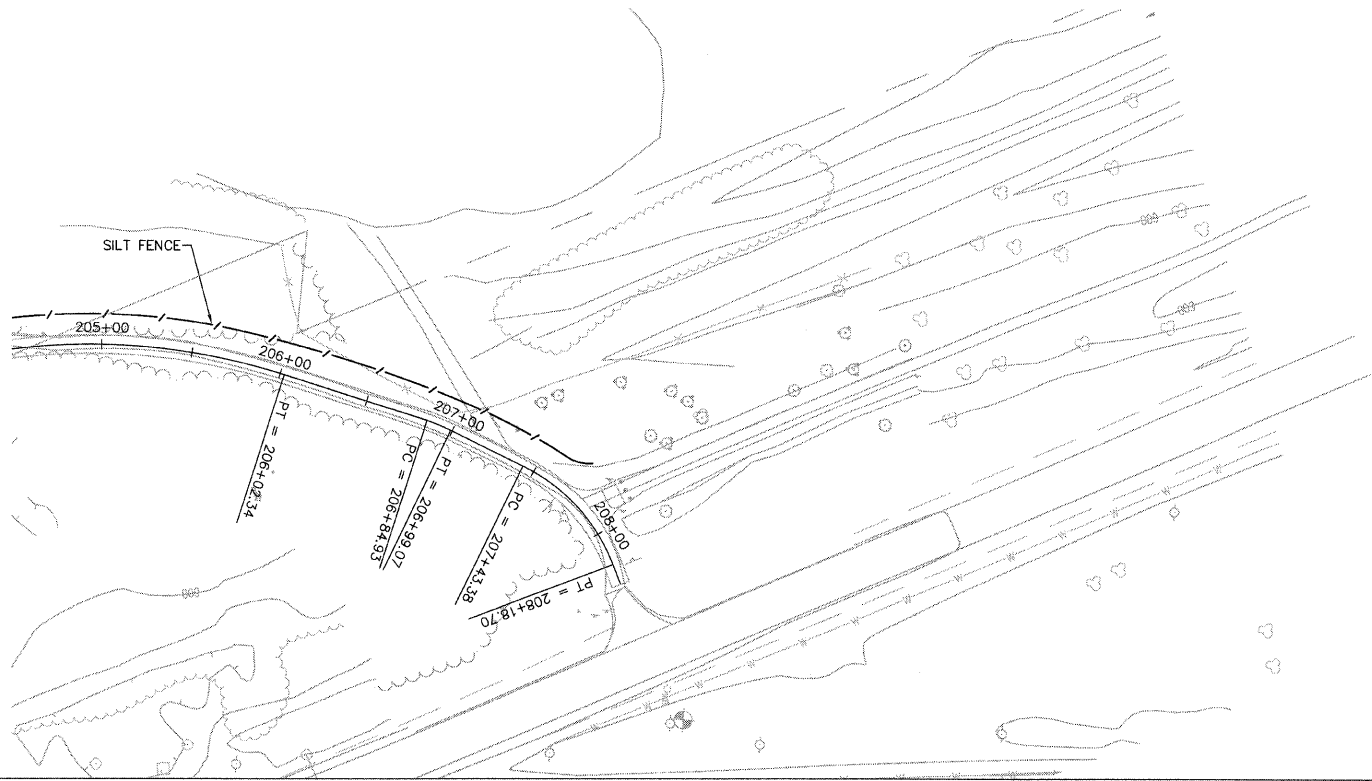
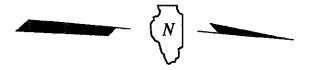
IDNR GRAND ILLINOIS TRAIL
EROSION CONTROL PLAN

FAU. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	24
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



IDNR GRAND ILLINOIS TRAIL
EROSION CONTROL PLAN

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	25
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



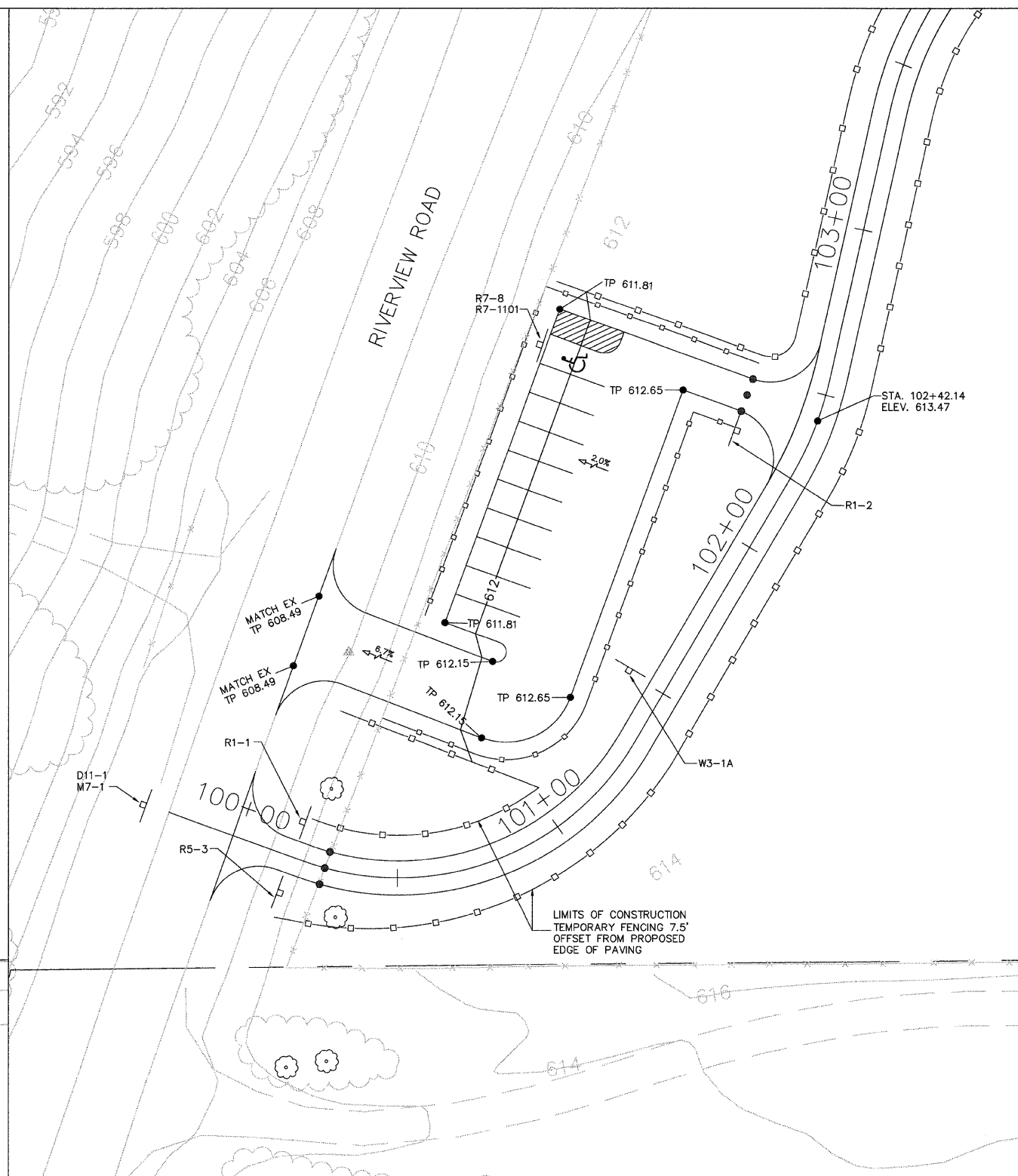
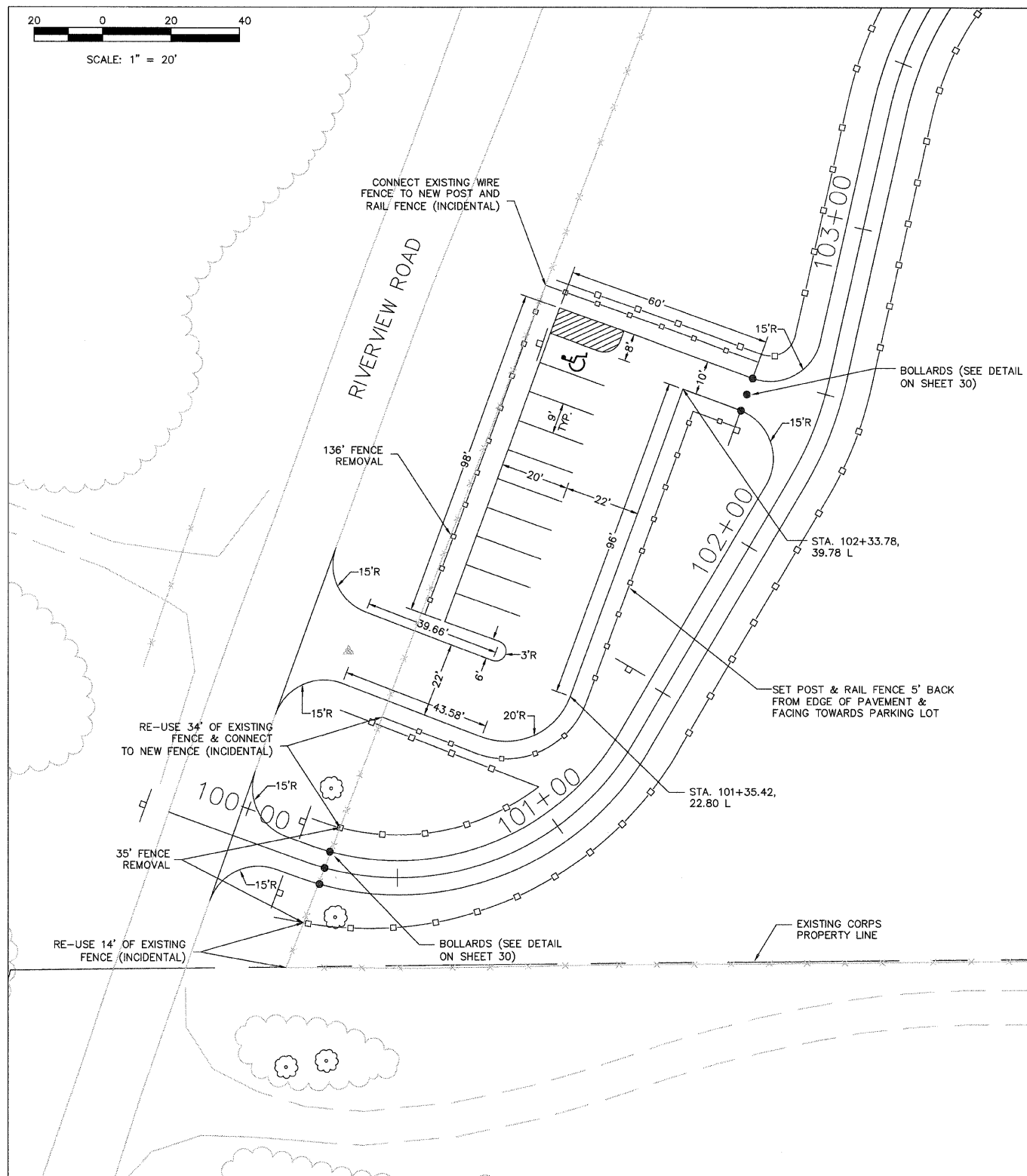
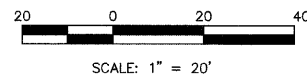
IDNR GRAND ILLINOIS TRAIL
EROSION CONTROL PLAN



PARKING LOT LAYOUT DETAIL

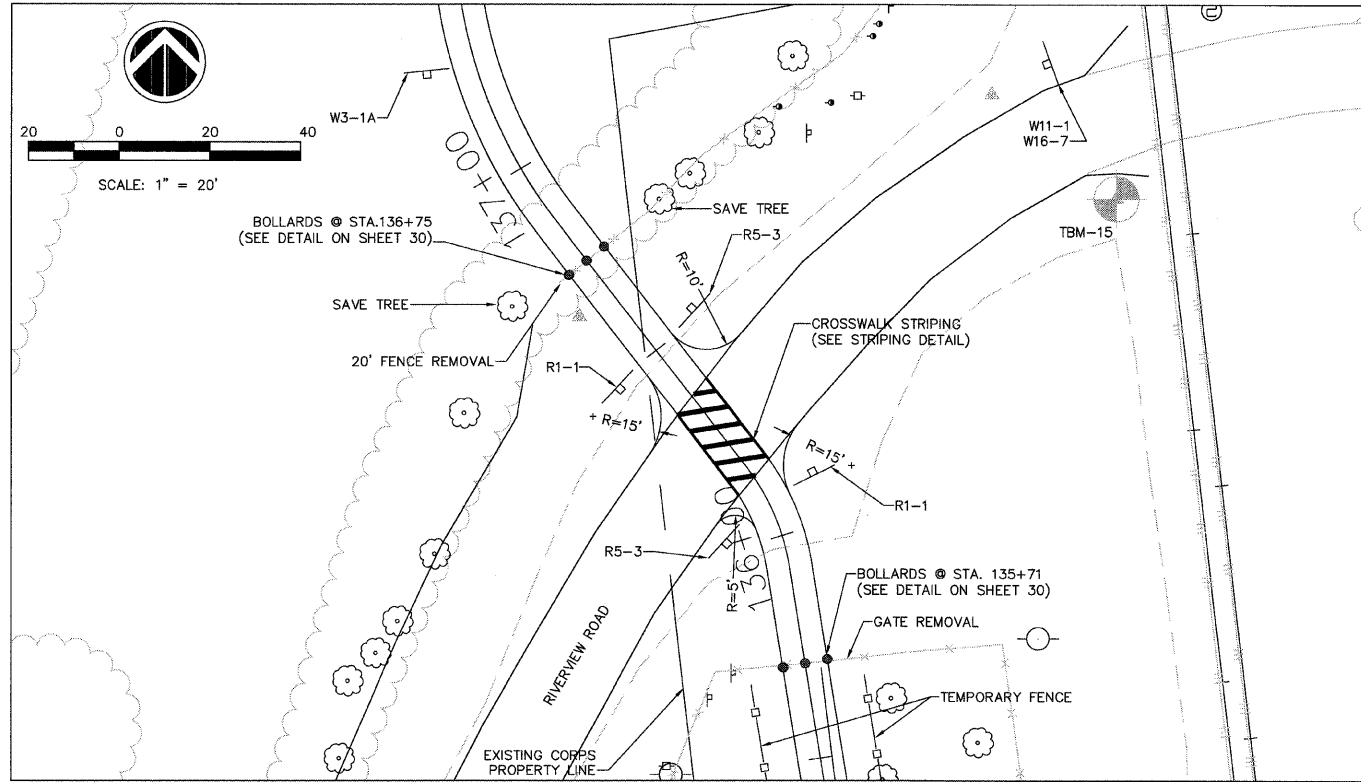
PARKING LOT GRADING DETAIL

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	26
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

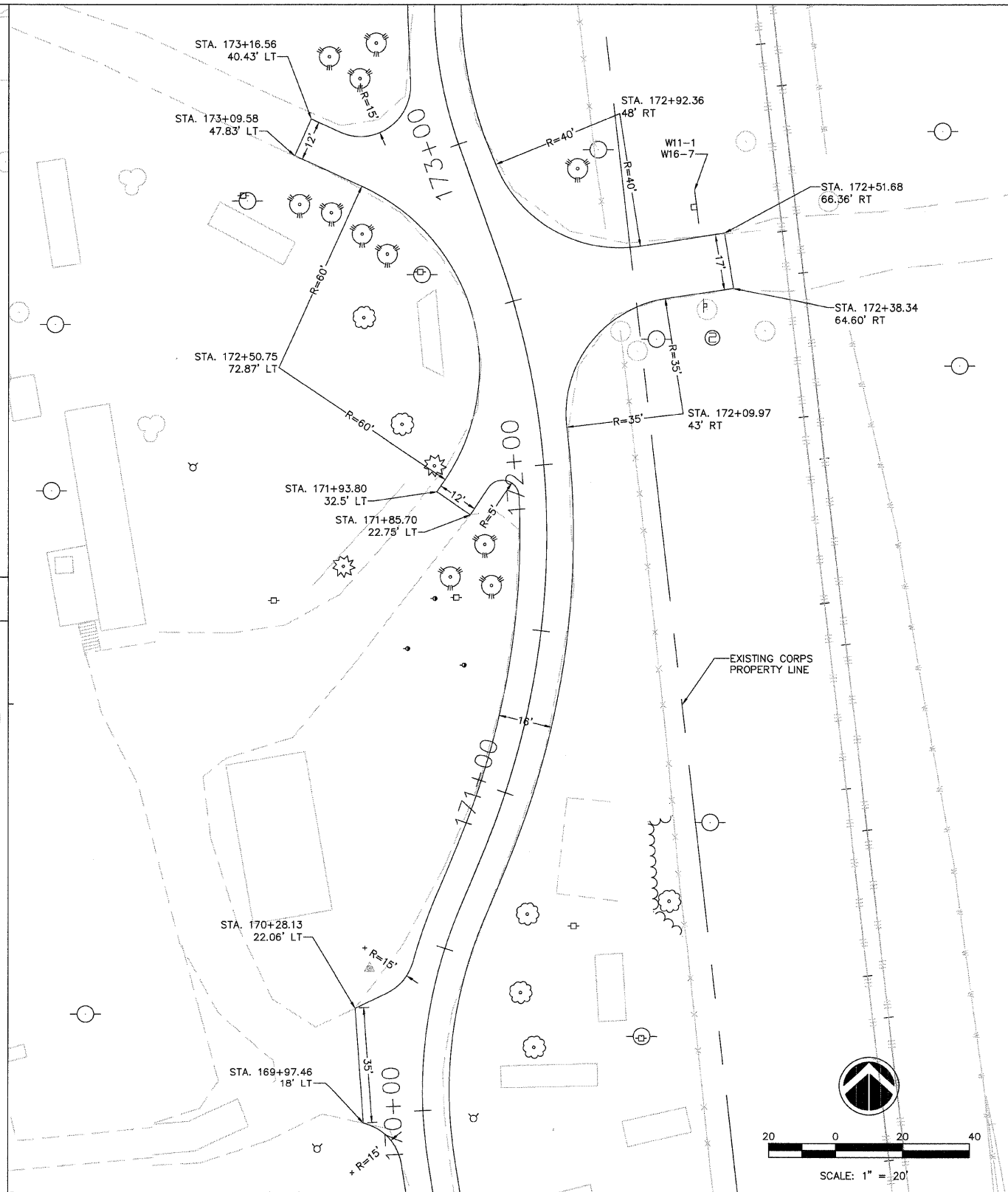


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	27
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 000800				

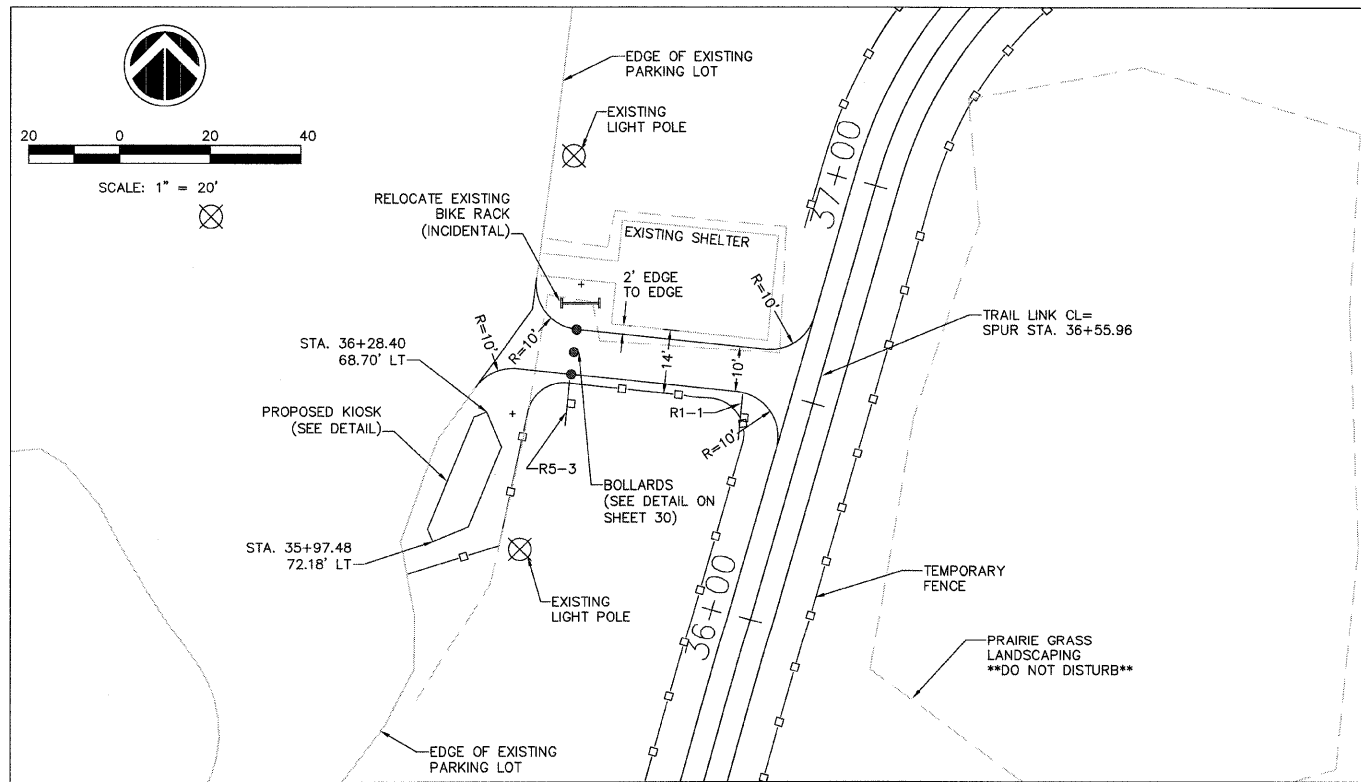
RIVERVIEW ROAD CROSSING DETAIL



CAMPGROUND DETAIL

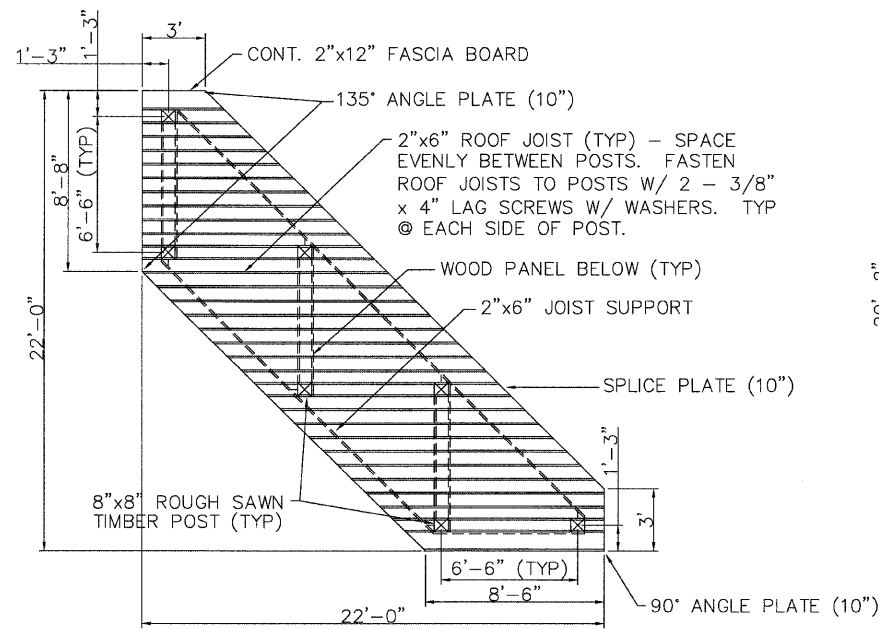


KIOSK & TRAIL LINK DETAIL

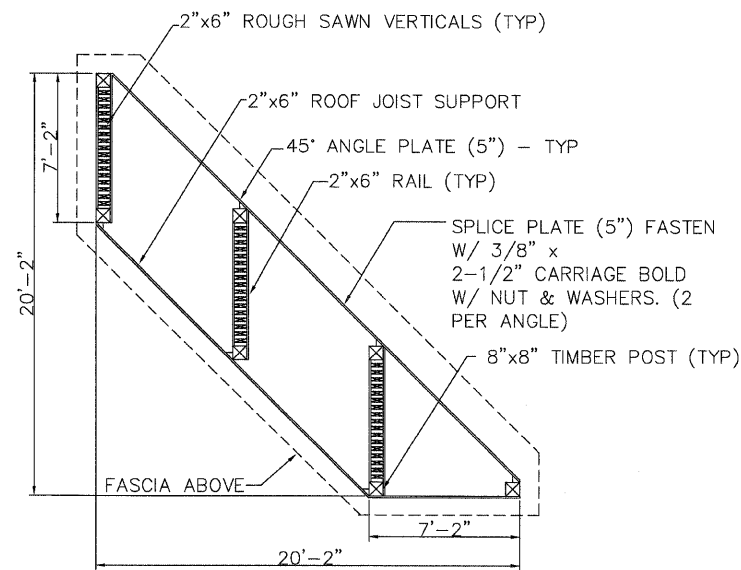


**** KIOSK GENERAL NOTES:**

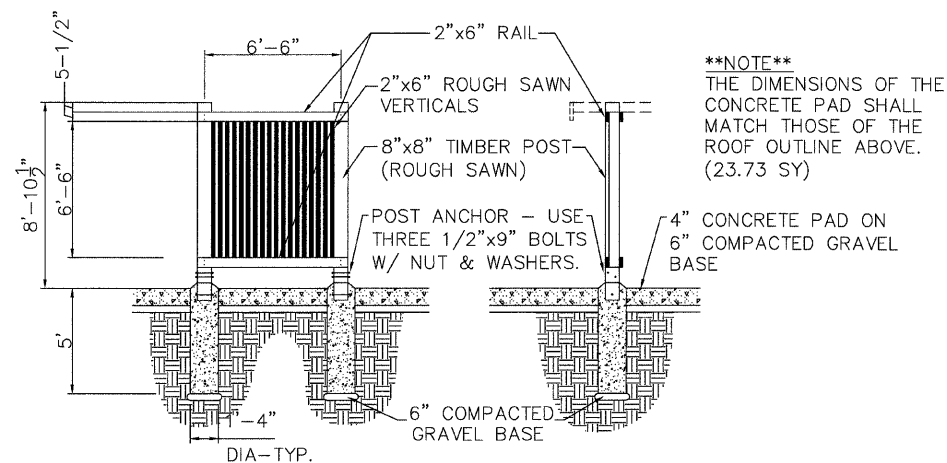
- ** 1. EXHIBIT PANELS SHALL BE PROVIDED BY THE USFWS TO THE CONTRACTOR FOR INSTALLATION ON THE KIOSK. THE CONTRACTOR SHALL PROVIDE ALL MOUNTING ACCESSORIES.
- ** 2. MATERIALS FOR THE CONSTRUCTION OF THE KIOSK SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL CONSTRUCT, ASSEMBLE, AND INSTALL THE KIOSK PER THE PLAN DETAILS.
- ** 3. THE USFWS SHALL PROVIDE THE STAIN FOR THE FINISH OF THE LUMBER. THE CONTRACTOR SHALL STAIN THE WOOD PRIOR TO THE ASSEMBLY OF THE KIOSK.
- ** 4. FOOTINGS AND CONCRETE PAD SHALL BE CLASS II (4,000 PSI) CONCRETE.



ROOF FRAMING PLAN
1/4" = 1'-0"



PANEL LAYOUT PLAN
1/4" = 1'-0"



PANEL ELEVATION & SECTION
1/4" = 1'-0"

****NOTE****
THE DIMENSIONS OF THE CONCRETE PAD SHALL MATCH THOSE OF THE ROOF OUTLINE ABOVE. (23.73 SY)

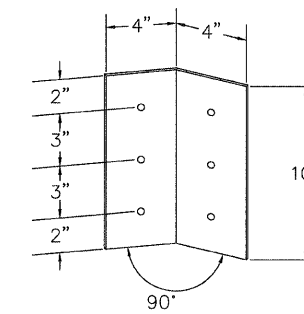
MATERIALS LIST

QTY	ITEM/UNIT
7	8"x8"x8'-10 1/2" ROUGH SAWN TIMBER POSTS
51	2"x6"x8'-0" ROUGH SAWN PANEL VERTICALS
21	2"x6"x12'-0" ROOF JOISTS
5	2"x6"x8'-0" ROOF JOISTS
12	2"x6"x8'-0" PANEL RAILS
1	2"x6"x8'-0" ROOF JOIST SUPPORT
2	2"x6"x16'-0" ROOF JOIST SUPPORT
1	2"x6"x20'-0" ROOF JOIST SUPPORT
1	2"x12"x8'-0" ROOF FASCIA
2	2"x12"x10'-0" ROOF FASCIA
2	2"x12"x14'-0" ROOF FASCIA
1	2"x12"x20'-0" ROOF FASCIA
2	90° ANGLE PLATES - 10"
4	135° ANGLE PLATES - 10"
7	45° ANGLE PLATES - 5"
1	SPLICE PLATE - 5"
1	SPLICE PLATE - 10"
7	POST ANCHORS
7	16" DIA. CONC. FOOTINGS & GRAVEL BASES
60	3/8"x2 1/2" CARRIAGE BOLTS, NUTS, & WASHERS
70	3/8"x4" LAG SCREW WITH WASHERS
21	1/2"x9" BOLTS, NUTS, & WASHERS
2.64	CONCRETE PAD (CY)

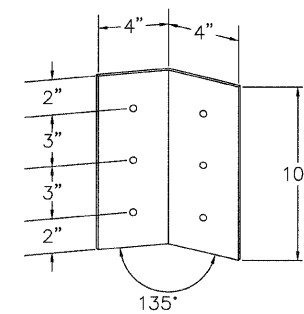
NOTES:
THIS MATERIALS LIST IS PROVIDED FOR GENERAL INFORMATION AND IS NOT INTENDED TO BE A COMPLETE LIST OF MATERIALS.

LIST DOES NOT INCLUDE SIGNS AND DISPLAYS.

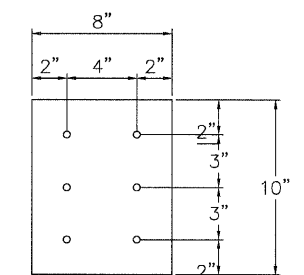
ROUGH SAWN WOOD POST SHALL BE #2 GRADE WOLMANIZED PINE OR BETTER. ALL OTHER LUMBER SHALL BE #1 GRADE WOLMANIZED PINE.



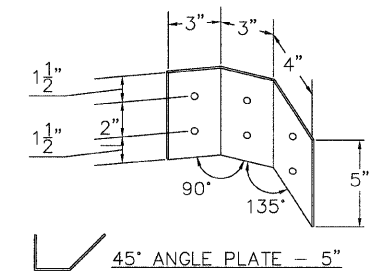
90° ANGLE PLATE - 10"



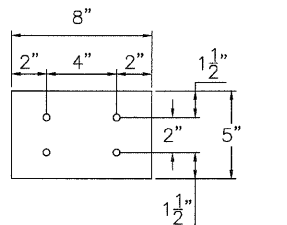
135° ANGLE PLATE - 10"



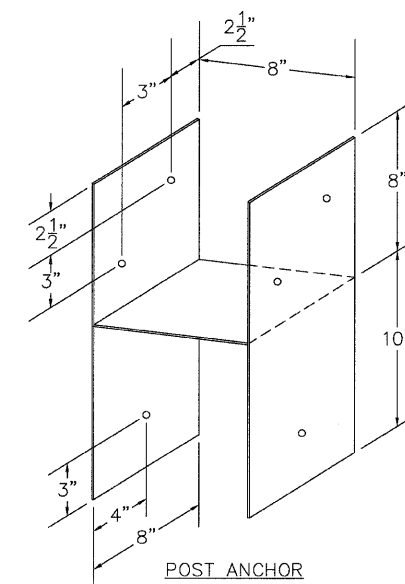
SPLICE PLATE - 10"



45° ANGLE PLATE - 5"



SPLICE PLATE - 5"



POST ANCHOR

1 KIOSK WITH INFORMATION AND MAP PANELS
INGERSOLL WETLANDS

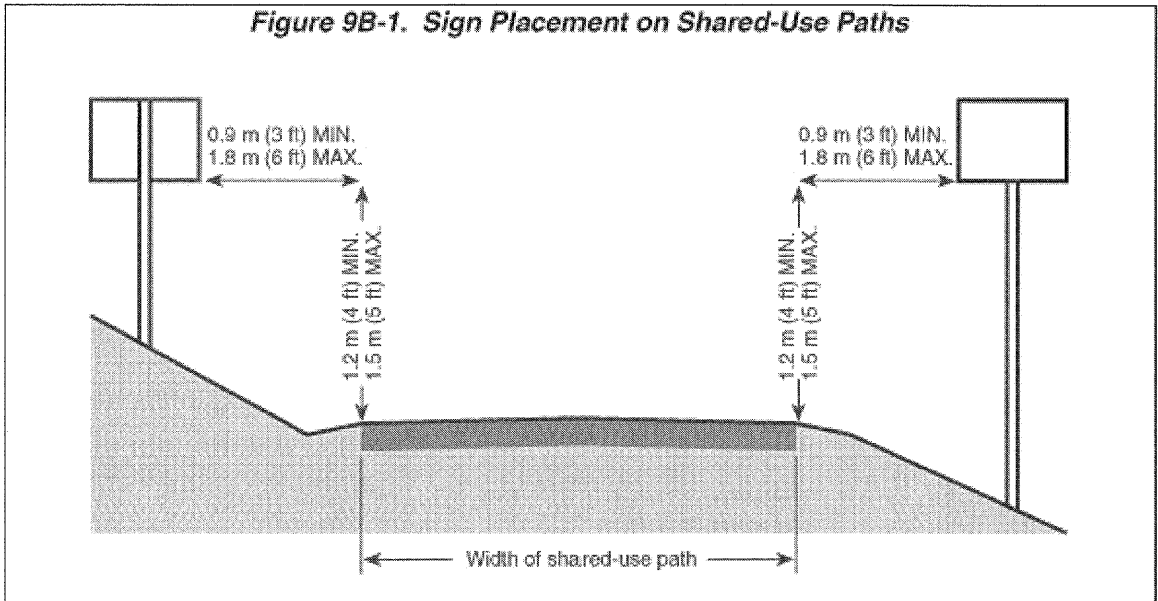
2 ANGLE PLATES & POST ANCHOR
NOT TO SCALE

KIOSK DETAIL

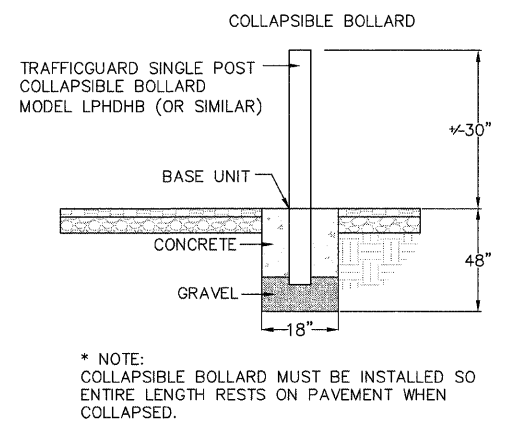
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	30
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
PART 9: BICYCLE FACILITIES

Figure 9B-1. Sign Placement on Shared-Use Paths

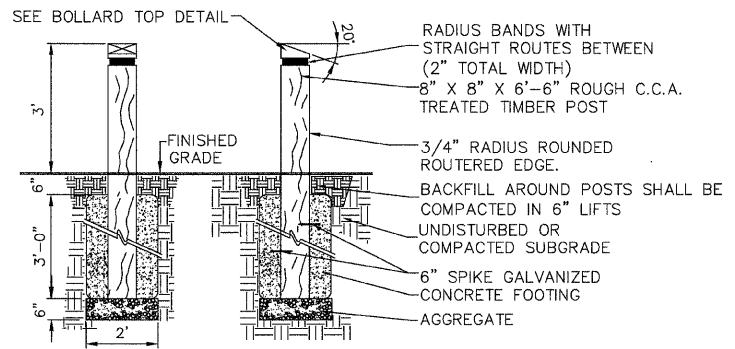


- SECTION 9B.01 APPLICATION AND PLACEMENT OF SIGNS**
- BICYCLE SIGNS SHALL BE STANDARD IN SHAPE, LEGEND, AND COLOR.
 - ALL SIGNS SHALL BE RETROREFLECTORIZED FOR USE ON BIKEWAYS, INCLUDING SHARED-USE PATHS AND BICYCLE LANE FACILITIES.
 - WHERE SIGNS SERVE BOTH BICYCLISTS AND OTHER ROAD USERS, VERTICAL MOUNTING HEIGHT AND LATERAL PLACEMENT SHALL BE AS SPECIFIED IN PART 2 OF THE MUTCD.
 - SIGNS FOR THE EXCLUSIVE USE OF BICYCLISTS SHOULD BE LOCATED SO THAT DRIVERS ARE NOT CONFUSED BY THEM.



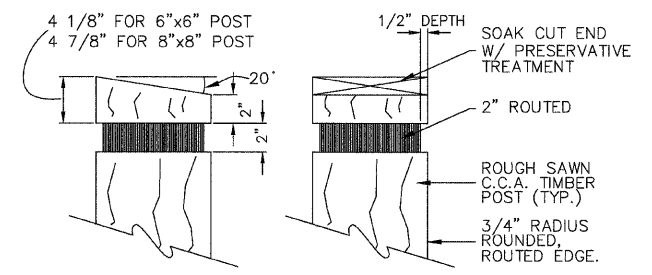
* NOTE:
COLLAPSIBLE BOLLARD MUST BE INSTALLED SO ENTIRE LENGTH RESTS ON PAVEMENT WHEN COLLAPSED.

COLLAPSIBLE BOLLARD DETAIL



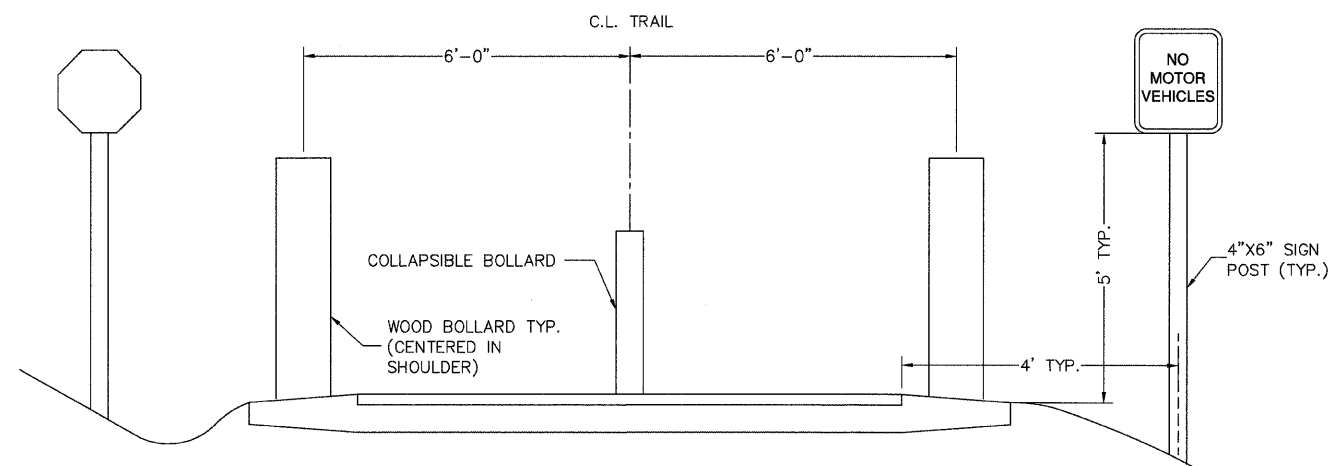
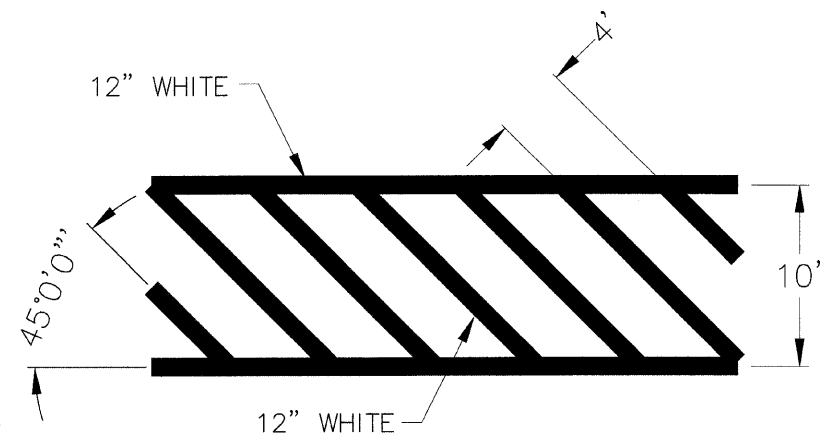
GENERAL NOTE:
MATCH COLOR TREATMENT OF OTHER TIMBER STRUCTURES AT SITE. STAINING POSTS WITH BLACK COFFEE STAIN.

WOOD BOLLARD DETAIL



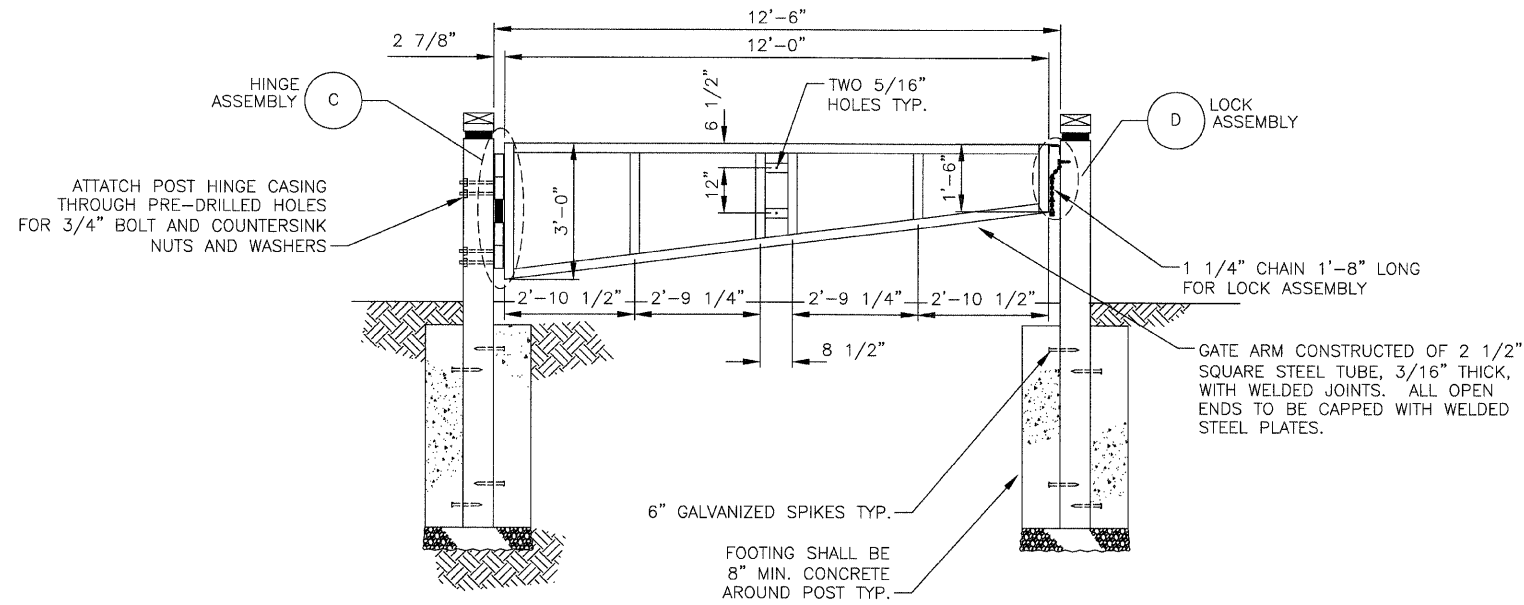
BOLLARD TOP DETAIL

RIVERVIEW ROAD CROSSING – STRIPING DETAIL

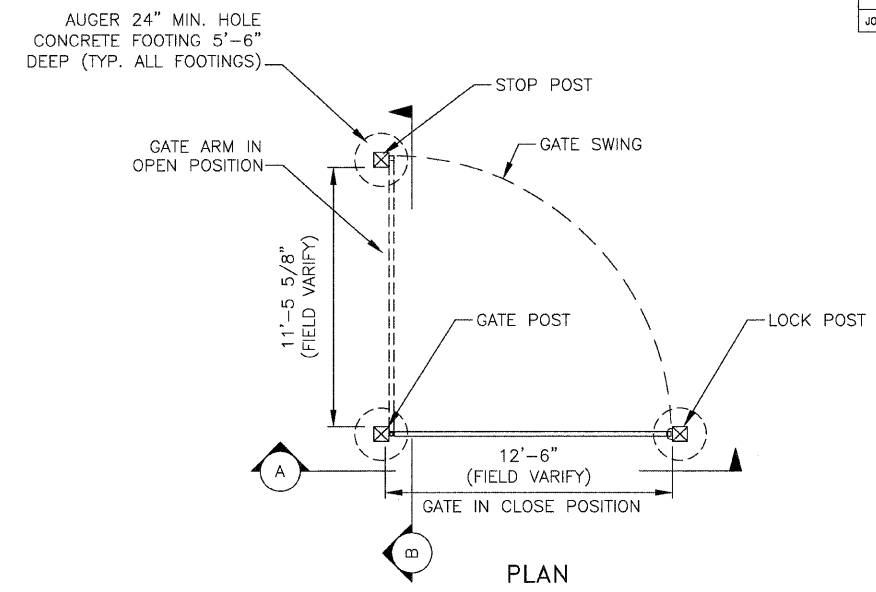


SIGN & BOLLARD PLACEMENT
(NOT TO SCALE)

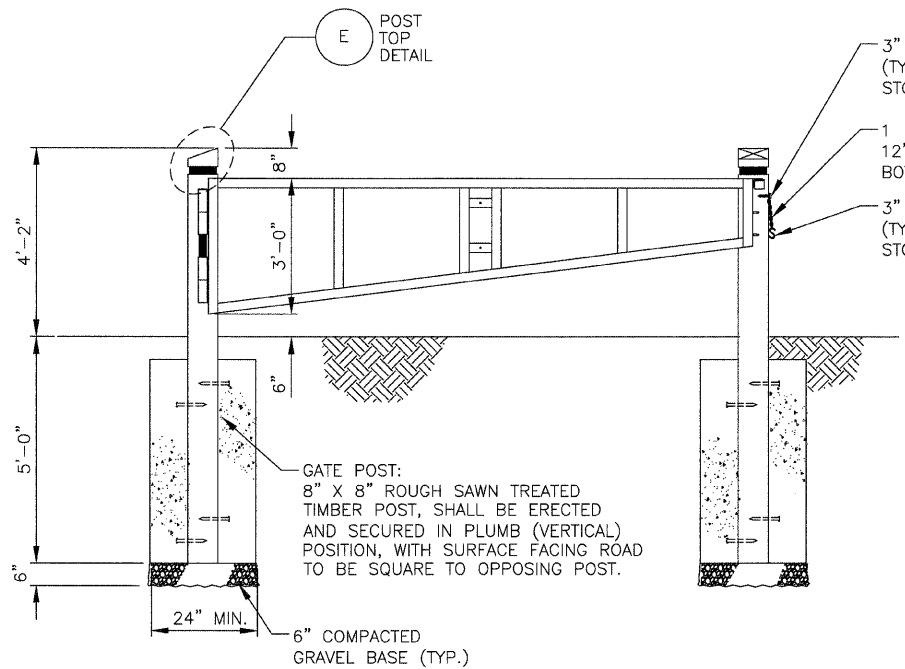
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	31
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	000800



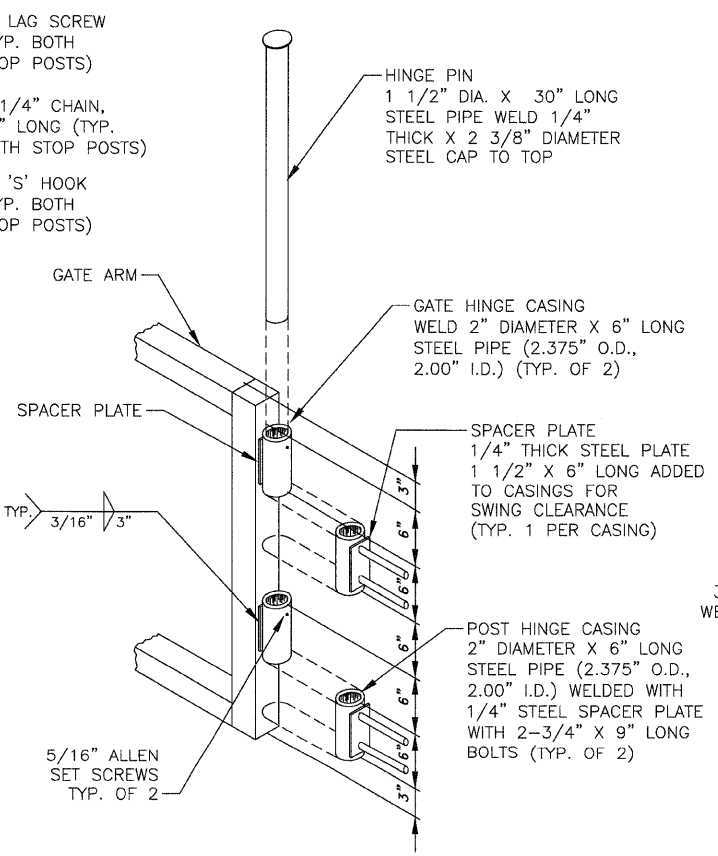
A SECTION (CLOSED ELEVATION)
NO SCALE



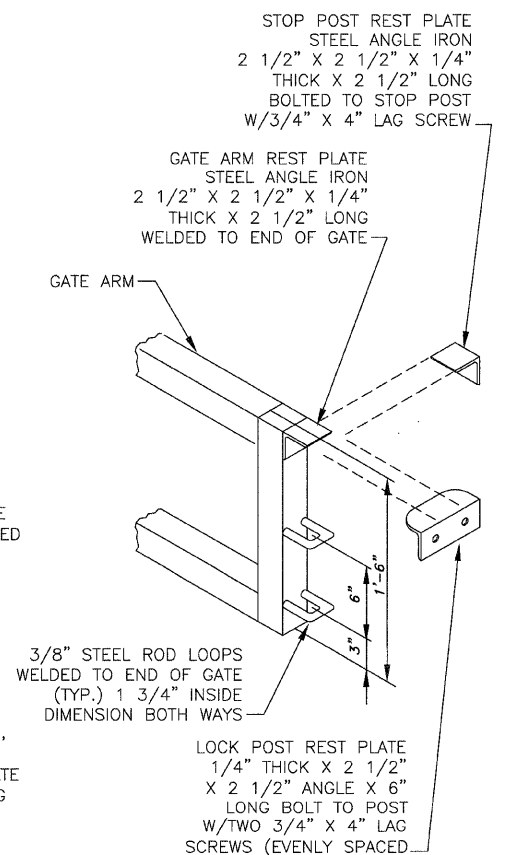
PLAN
NO SCALE



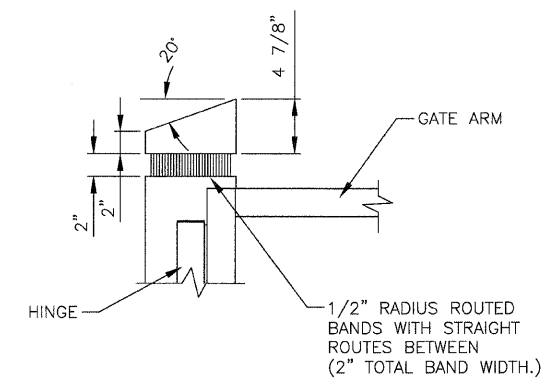
B SECTION (OPEN ELEVATION)
NO SCALE



C HINGE ASSEMBLY
NO SCALE



D LOCK ASSEMBLY
NO SCALE



E POST TOP DETAIL
NO SCALE

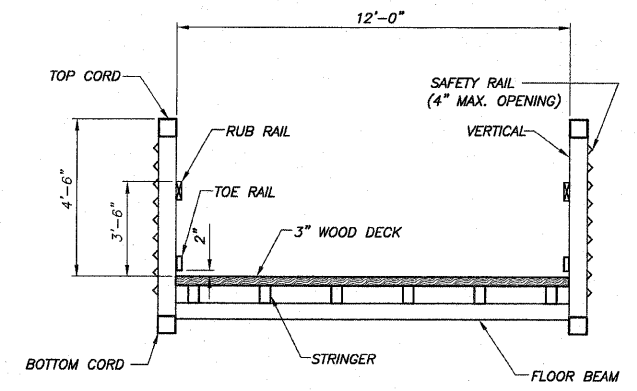
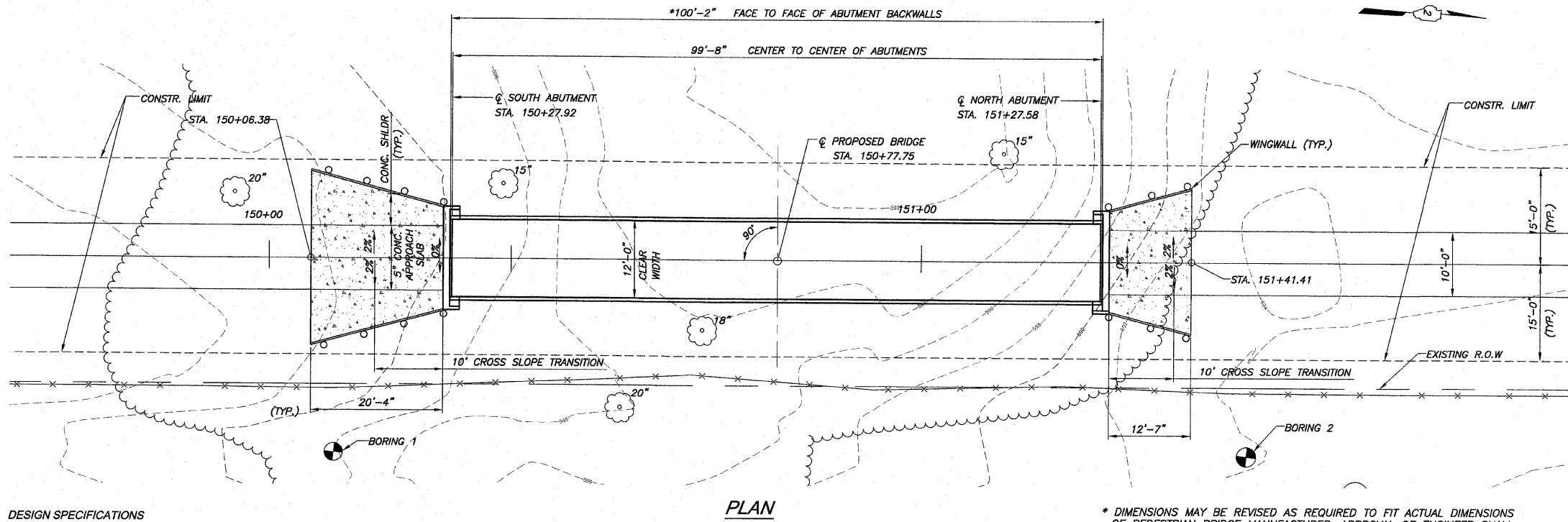
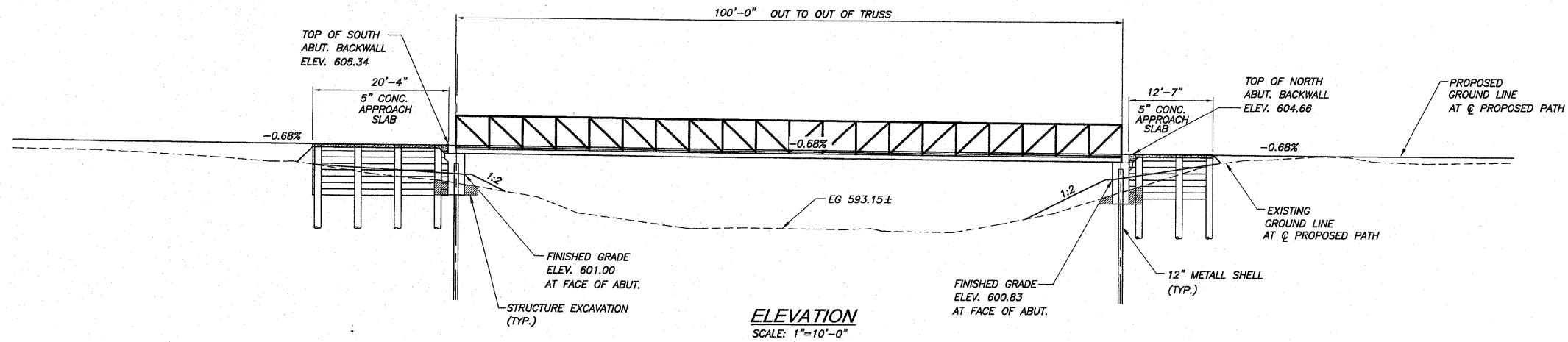
- GENERAL NOTES:
1. STEEL CONSTRUCTION:
ALL WELDS SHALL BE GROUND SMOOTH AND EVEN
ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
 2. TIMBER POST:
POSTS SHALL BE STAINED
POSTS SHALL BE 8" X 8" ROUGH SAWN TREATED TIMBER.

BENCHMARK: PK NAIL IN WEST FACE OF P-POLE 720' ± NORTH OF 48" CULVERT UNDER RR TRACKS. TBM-10 ELEV. 605.97
 PK NAIL IN WOOD FENCE POST ON W. SIDE OF RR TRACKS OPPO SEAFOOD BUSINESS. TBM-11 ELEV. 605.41

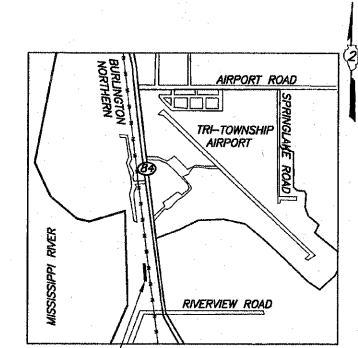
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Carroll	58	32
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT 0005800	

BILL OF MATERIAL-BRIDGE

ITEM	UNIT	SUB	SUPER	TOTAL
STRUCTURE EXCAVATION	CU. YD.	8.3		8.3
CONCRETE STRUCTURES	CU. YD.	20.8		20.8
REINFORCEMENT BARS, EPOXY COATED	POUND	1,520		1,520
FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	160		160
DRIVING PILES	FOOT	160		160
TEST PILE METAL SHELL	EACH	2		2
NAME PLATES	EACH	1		1
PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ. FT.		1200	1200
BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ. YD.			95.8
WOOD POST AND RAIL FENCE	FOOT			78
TREATED TIMBER	F.B.M.			486
FURNISHING TREATED PILE 20.1 TO 38 FEET	FOOT			300
TEST PILE TIMBER	EACH			2
CONCRETE SEALER	SQ. FT.			88
POROUS GRANULAR EMBANKMENT	TON			206



TYPICAL PEDESTRIAN BRIDGE SECTION

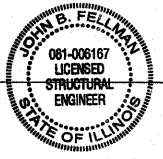


GENERAL PLAN AND ELEVATION

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications and 1997 AASHTO Guide Specifications for Design of Pedestrian Bridges.
LOADING
 85 psf Uniform Live Load
 35 psf Wind Loading
 H-Truck Loading (12,500 lbs)
DESIGN STRESSES
 $f'_c = 3,500$ psi (Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Structural Steel Tubing), ASTM A 500, Grade C
 $f_y = 50,000$ psi (Other Structural Steel Shapes, Plate and Bars).
 AASHTO M270, Grade 50

I certify that to the best of my knowledge, information and belief this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO "Standard Specifications for Highway Bridges" and also the "Guide Specifications for Design of Pedestrian Bridges."

John B. Fellman
 John B. Fellman, SE
 License expires 11-30-2010



3-17-2009
 Date

* DIMENSIONS MAY BE REVISED AS REQUIRED TO FIT ACTUAL DIMENSIONS OF PEDESTRIAN BRIDGE MANUFACTURER. APPROVAL OF ENGINEER SHALL BE OBTAINED PRIOR TO ANY REVISIONS OF DIMENSIONS.

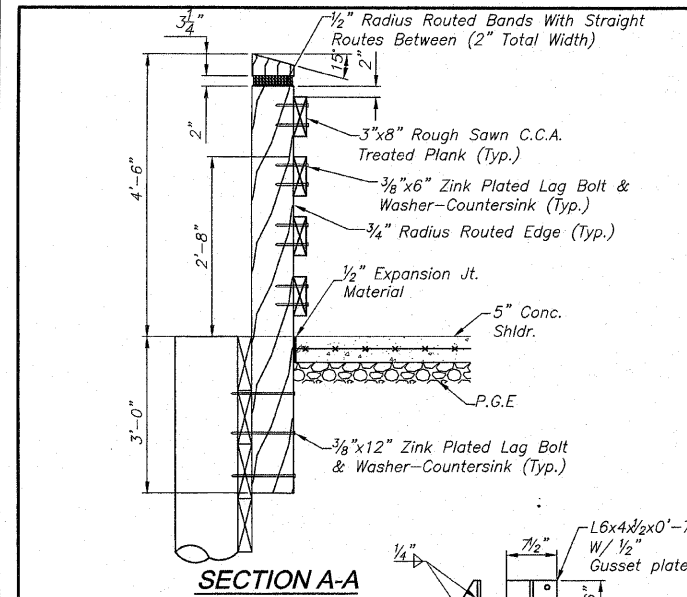
GENERAL NOTES

CLASS SI CONCRETE SHALL BE USED IN ALL CONCRETE STRUCTURES.
 THE CONTRACTOR SHALL DRIVE 2 TEST PILE(S) AS SPECIFIED, IN A PERMANENT LOCATION AS DIRECTED BY THE ENGINEER, BEFORE ORDERING THE REMAINING PILES.

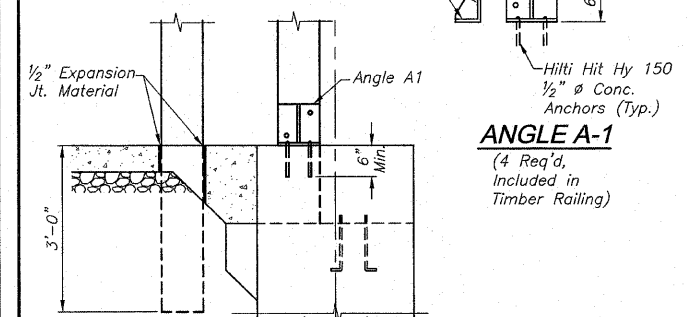
STA. 150+77.75
 GRAND ILLINOIS TRAIL
 BUILT 2009 BY
 ILLINOIS DNR
 LOADING 85 P.S.F.
 AND 12,500 LB. VEHICLE

NAME PLATE
 See Std. 515001

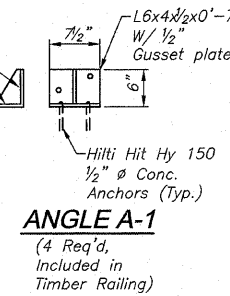
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CHECKED	JBF
DRAWN	MHM
CHECKED	JBF



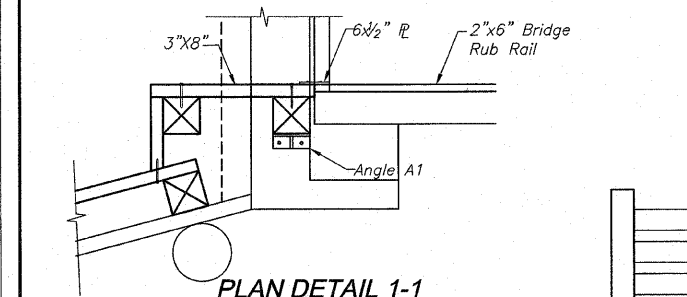
SECTION A-A



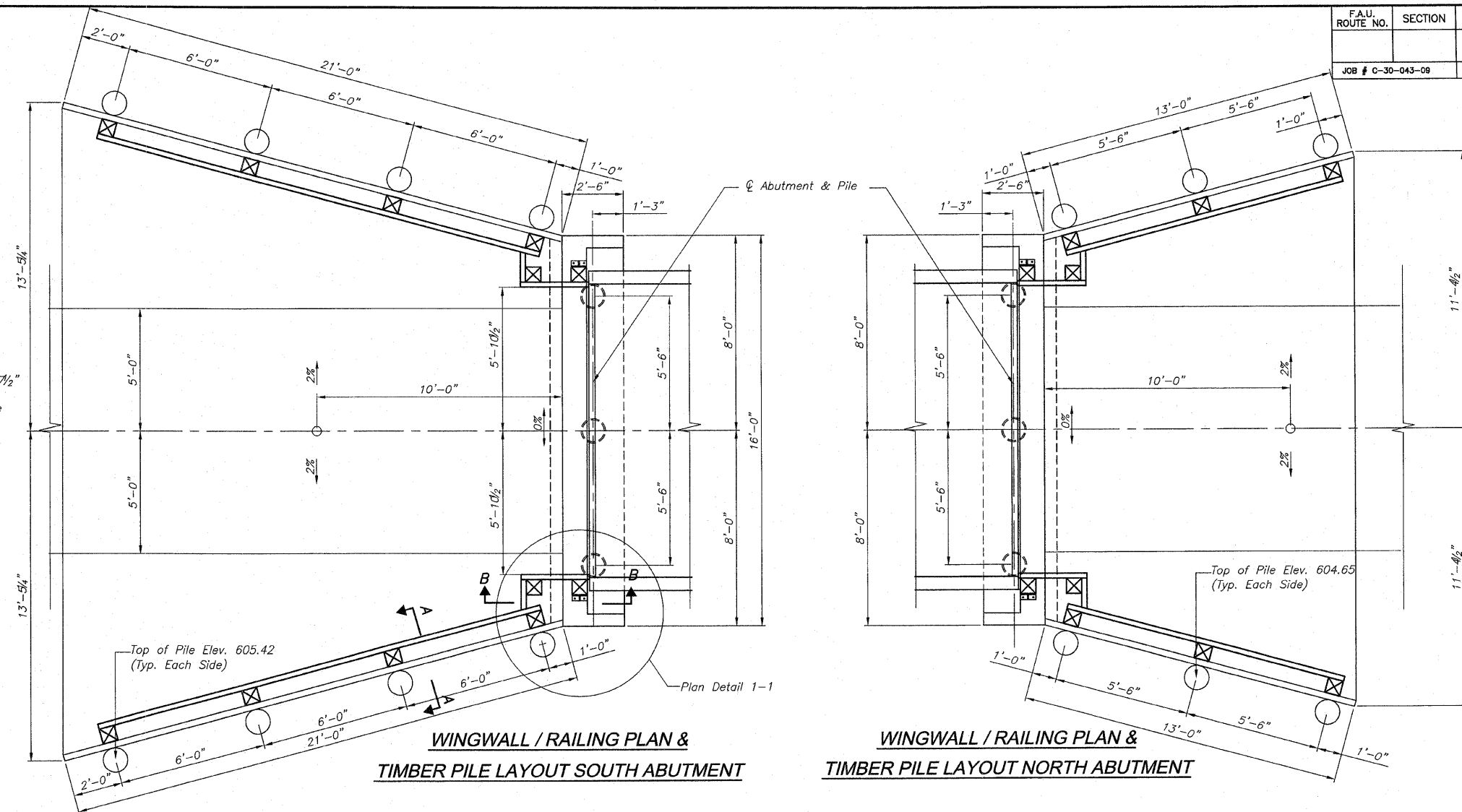
SECTION B-B



ANGLE A-1



PLAN DETAIL 1-1



WINGWALL / RAILING PLAN & TIMBER PILE LAYOUT SOUTH ABUTMENT

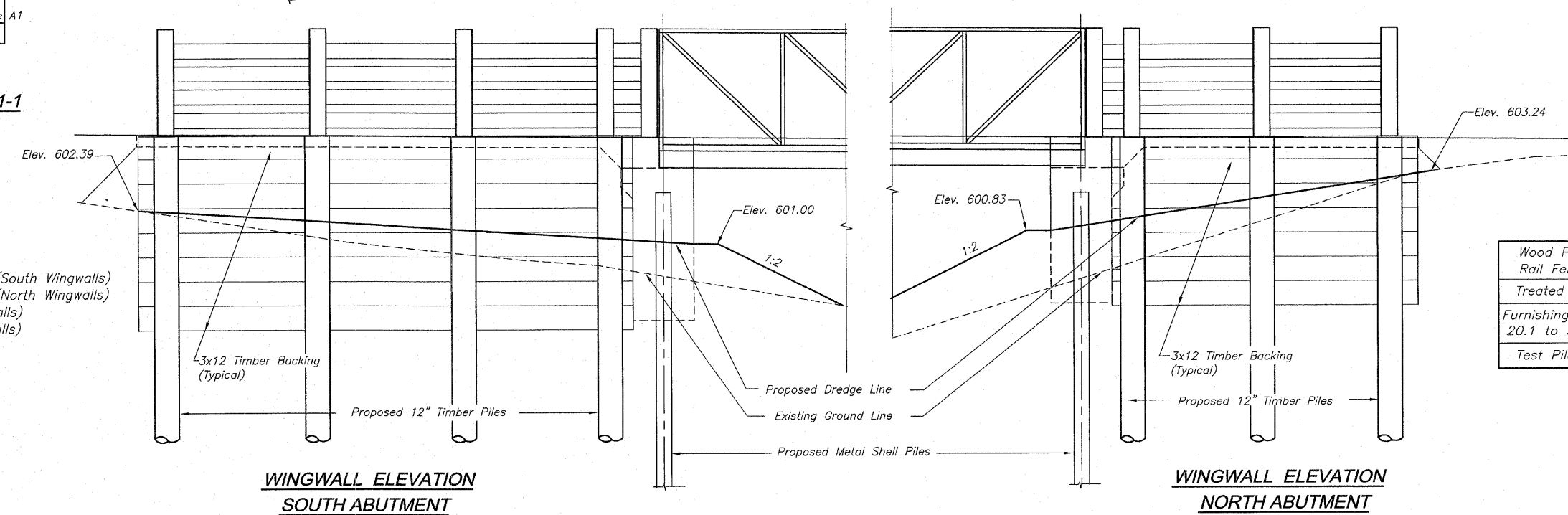
WINGWALL / RAILING PLAN & TIMBER PILE LAYOUT NORTH ABUTMENT

PILE DATA

WINGWALLS:

Type.....Timber 12" dia.
Capacity.....24 Tons
No. Req'd.....7 + 1 Test Pile (South Wingwalls)
No. Req'd.....5 + 1 Test Pile (North Wingwalls)
Est. Length.....25' (South Wingwalls)
Est. Length.....25' (North Wingwalls)

DESIGNED	MHM
CHECKED	JBF
DRAWN	MHM
CHECKED	JBF



WINGWALL ELEVATION SOUTH ABUTMENT

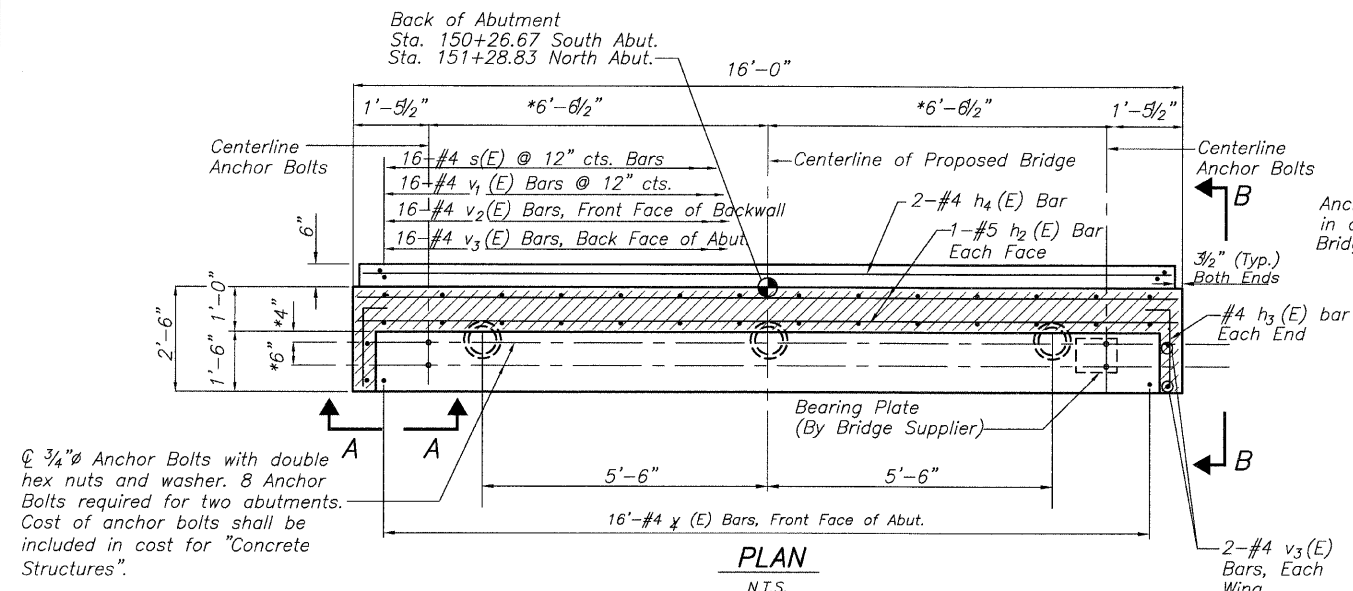
WINGWALL ELEVATION NORTH ABUTMENT

BILL OF MATERIAL
For Two Wingwalls

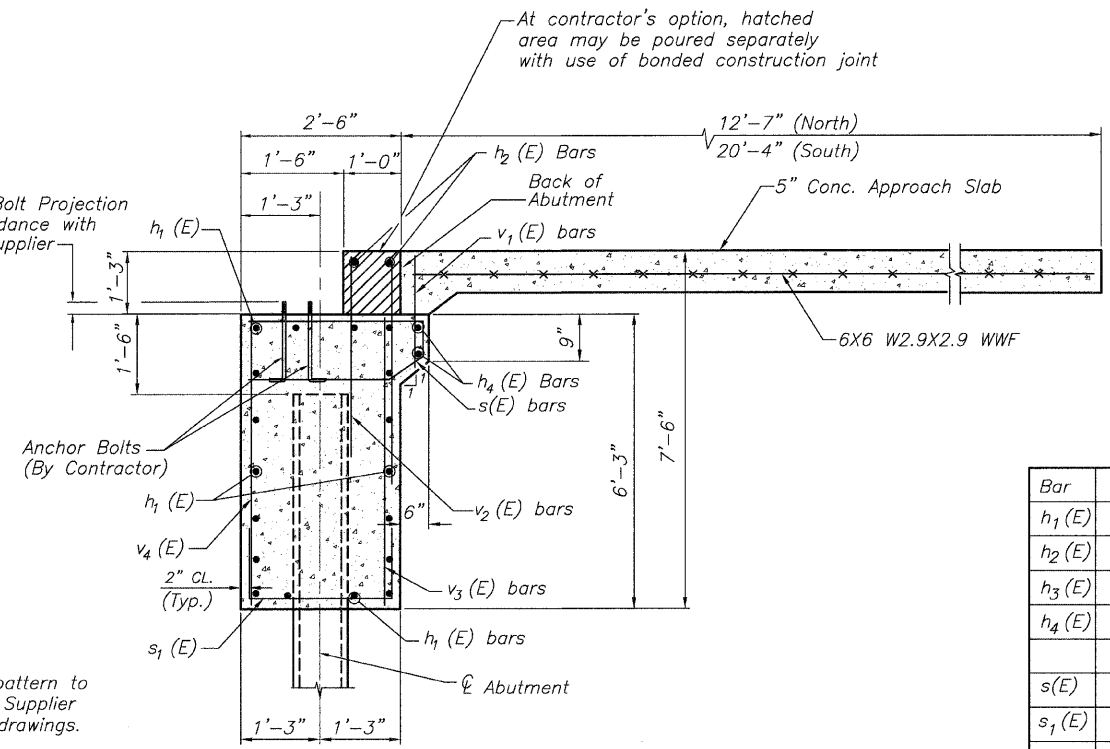
Wood Post and Rail Fence	Foot	78
Treated Timber	F.B.M	486
Furnishing Treated Pile 20.1 to 38 Feet	Foot	300
Test Pile Timber	Each	2

WINGWALL DETAILS
GRAND ILLINOIS TRAIL
CARROLL COUNTY
STATION 150+77.75

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Carroll	58	34
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT 0005800	

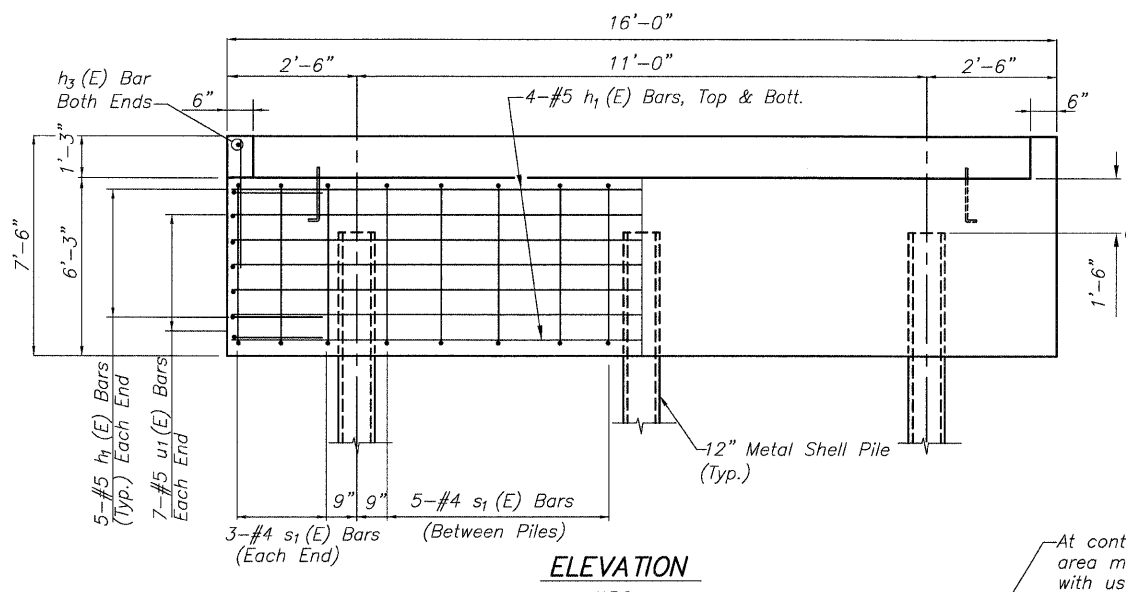


3/4" Anchor Bolts with double hex nuts and washer. 8 Anchor Bolts required for two abutments. Cost of anchor bolts shall be included in cost for "Concrete Structures".



BILL OF MATERIAL
For Two Abutment

Bar	No.	Size	Length	Shape
h1(E)	36	#5	15'-8"	—
h2(E)	4	#4	15'-8"	—
h3(E)	4	#4	2'-4"	└
h4(E)	4	#4	15'-1"	—
s(E)	32	#4	6'-3"	┌
s1(E)	32	#4	4'-10"	└
v1(E)	32	#4	1'-8"	—
v2(E)	32	#4	3'-0"	—
v3(E)	40	#4	7'-2"	—
v4(E)	32	#4	5'-11"	—
u(E)	28	#5	6'-6"	┌
Structure Excavation		Cu. Yd.		8.3
Concrete Structures		Cu. Yd.		20.8
Furnishing Metal Shell Piles, 12"x0.250"		Foot		160
Driving Piles		Foot		160
Test Pile Metal Shells		Each		2
Reinforcement Bars Epoxy Coated		Pound		1,520
Concrete Sealer		Sq. Ft		88

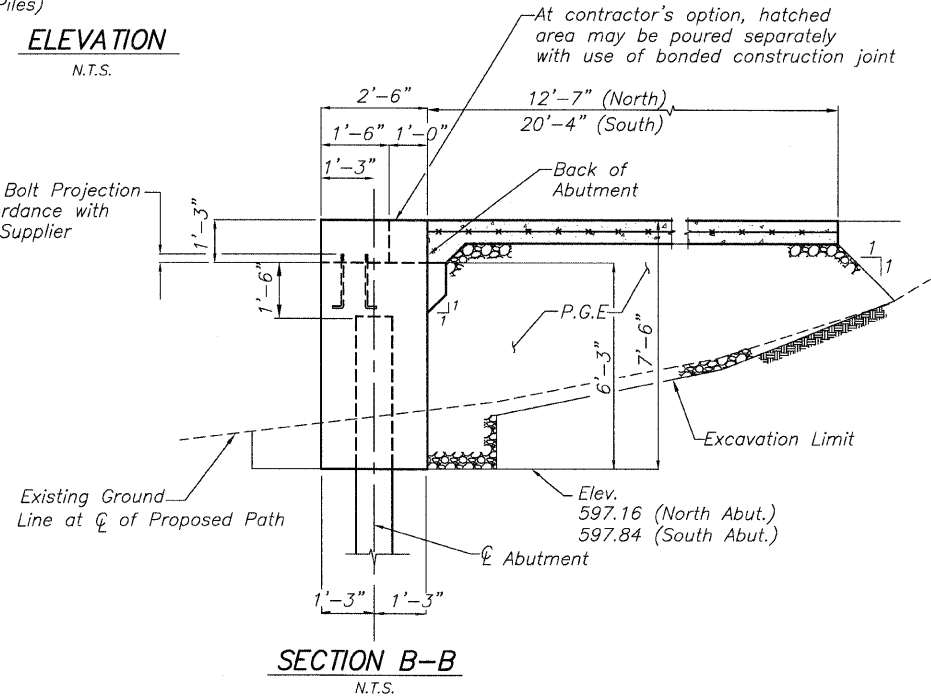
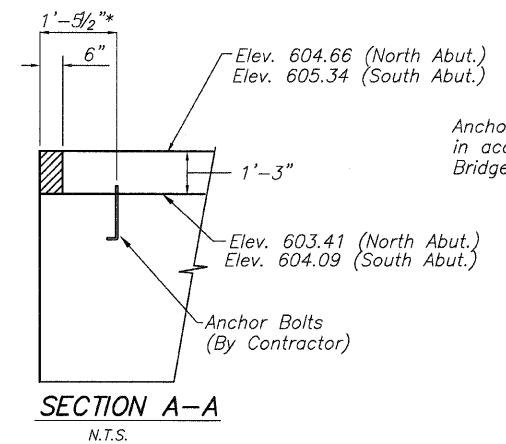
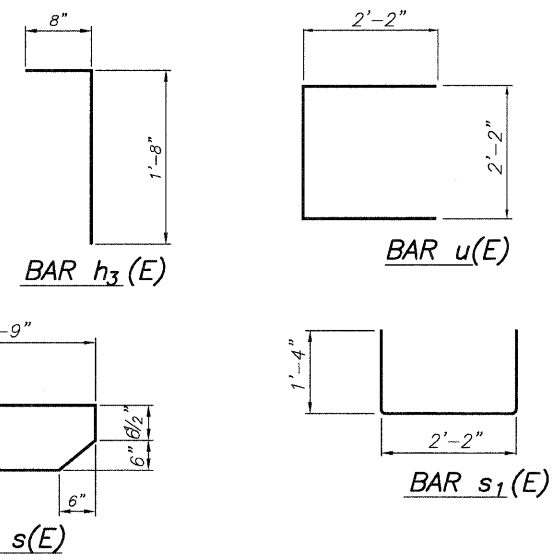


*Note: Final location of bolt pattern to be provided by Bridge Supplier and detailed on shop drawings.

Elev. 601.91 (North Abut.)
Elev. 602.59 (South Abut.)

TYPICAL SECTION THRU ABUTMENT
N.T.S.

DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi
Fb = 1600 psi



NOTES

Reinforcement bars shall conform to ASTM A706, Gr. 60 (IL Modified). See Special Provisions

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

All edges shall be a 3/4" chamfer unless otherwise noted.

Provide 2" clear unless otherwise noted.

Reinforcement bars designated (E) shall be Epoxy coated.

The Timber backing is required to conform to Article 507 and 1007.03 of the Standard Specifications.

Concrete Sealer shall be applied to the seat area of both Abutments.

PILE DATA

ABUTMENTS:
Type & Size.....Metal Shell -12 in. dia x 0.25 in. walls
Nominal Required Bearing.....201 kips
Allowable Resistance Available.....67 kips
Est. Length.....40'
No. Req'd.....2+1 (South Abutment)
No. Req'd.....2+1 (North Abutment)

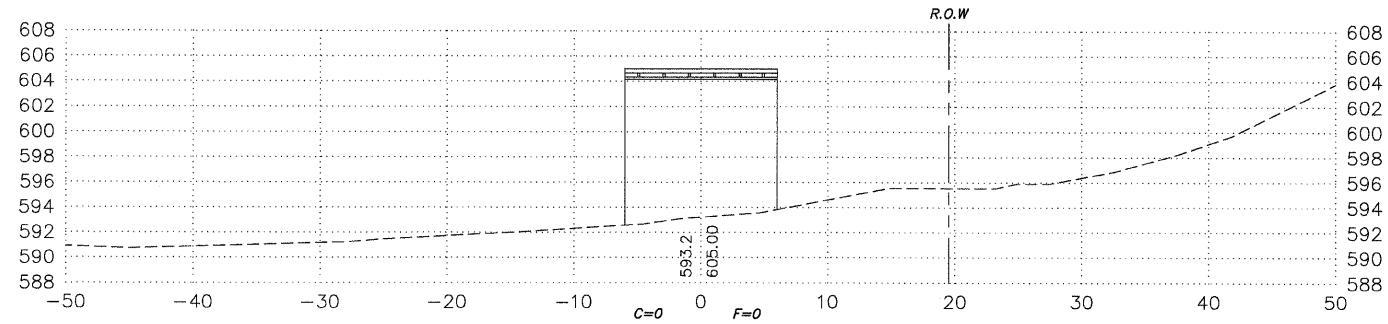
ABUTMENT DETAILS

GRAND ILLINOIS TRAIL
CARROLL COUNTY
STATION 150+77.75

DESIGNED	MHM
CHECKED	JBF
DRAWN	MHM
CHECKED	JBF

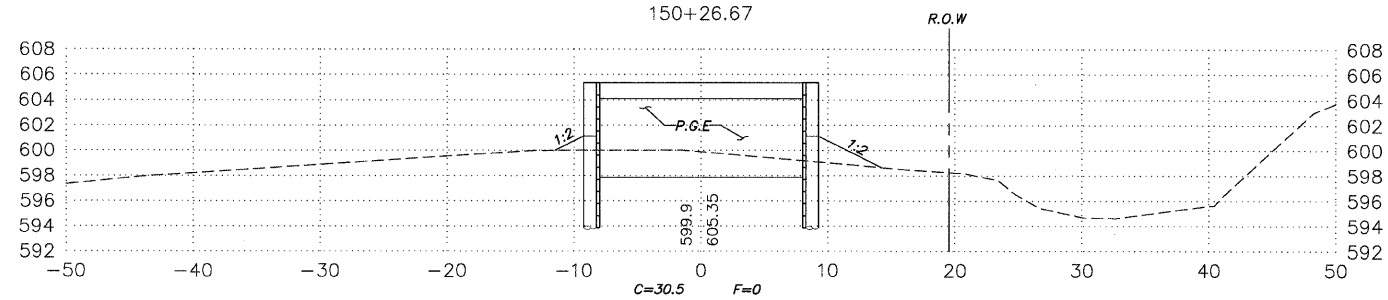
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Carroll	58	35
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT 000800	

(E BRIDGE)
150+77.75

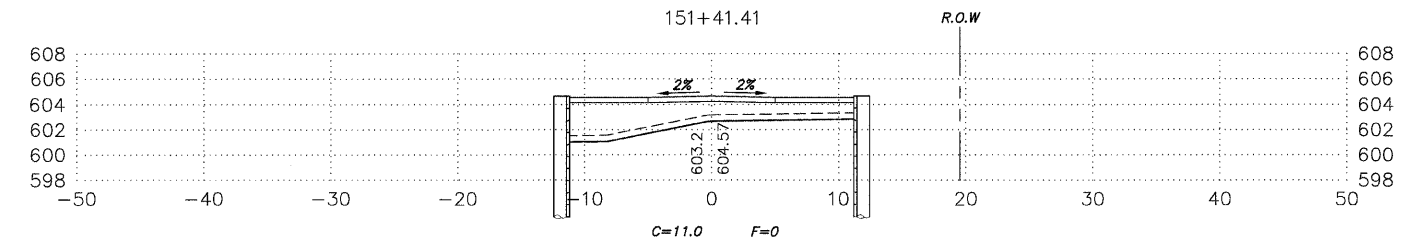


P.G.E.=POROUS GRANULAR EMBANKMENT (SQ.FT) SHOWN FOR REFERENCE
(SEE BRIDGE BILL OF MATERIAL FOR ACTUAL QUANTITY)

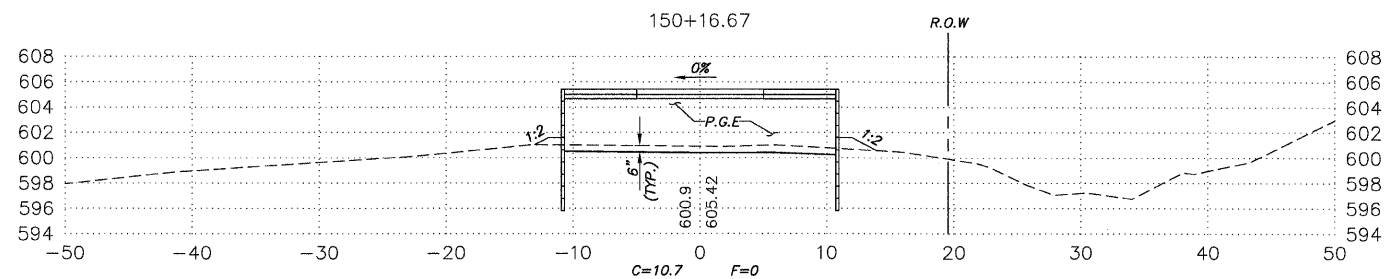
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150+26.67



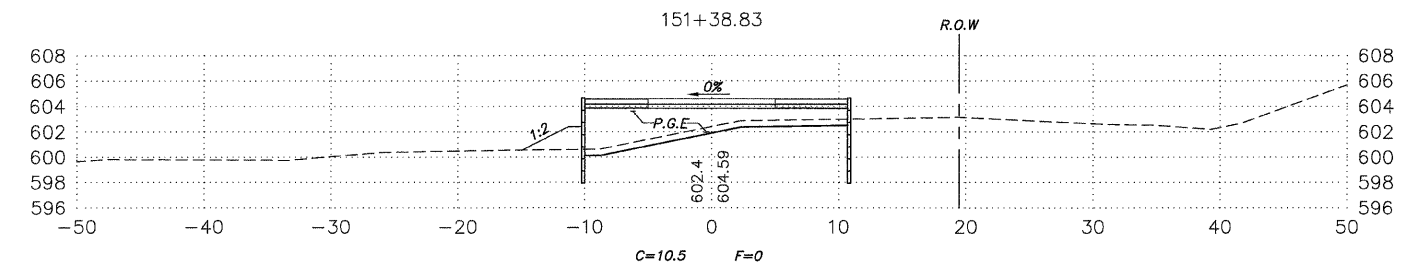
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150+16.67

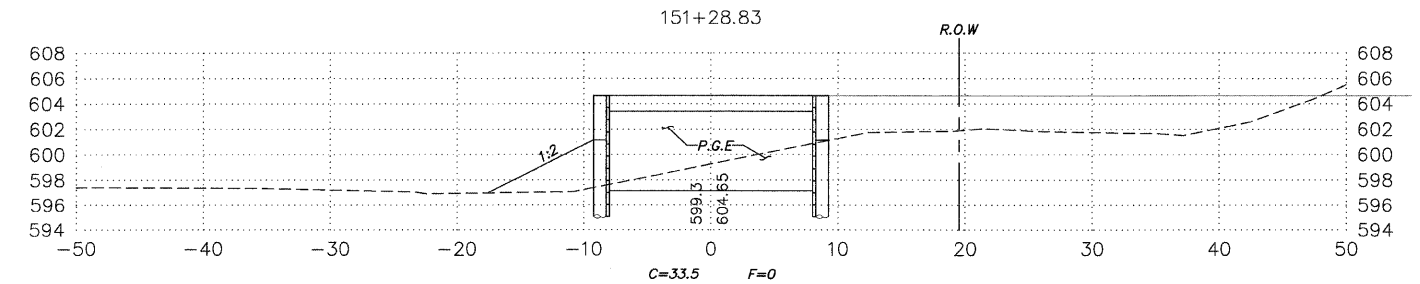


151+38.83

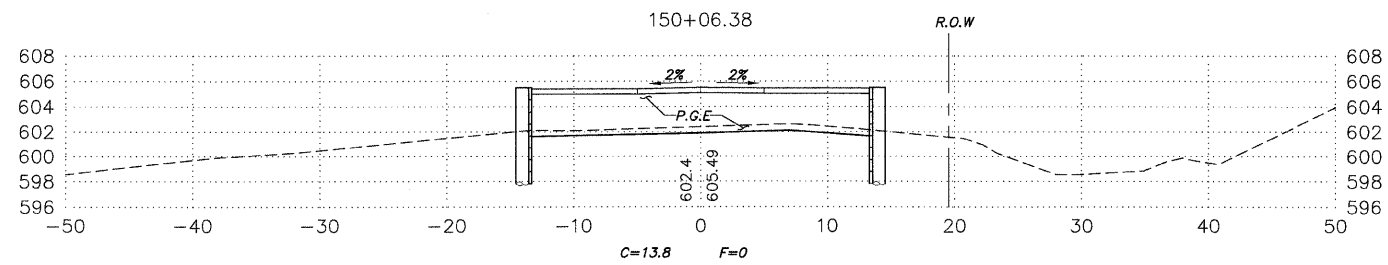


(BACK OF NORTH ABUT.)

151+28.83



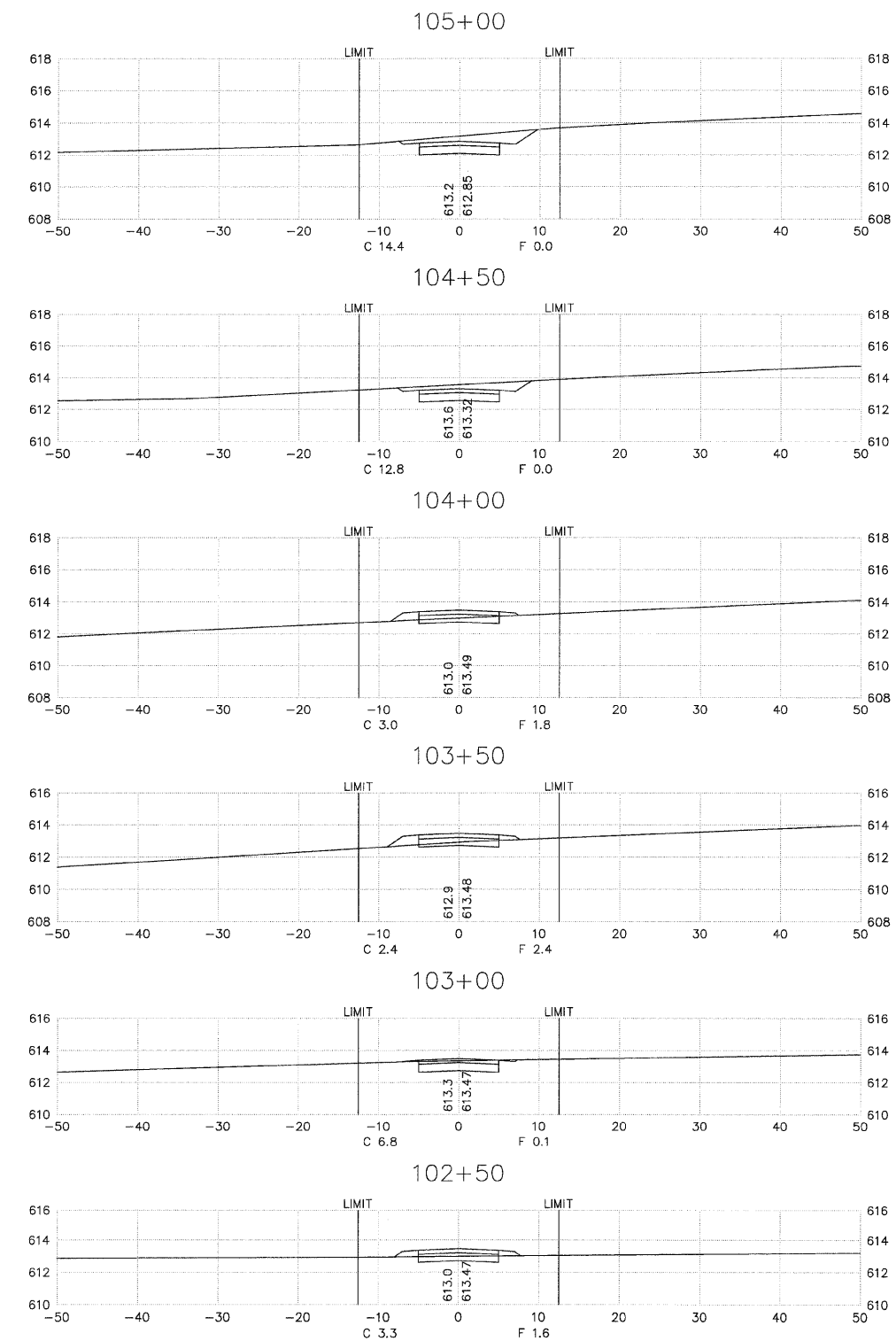
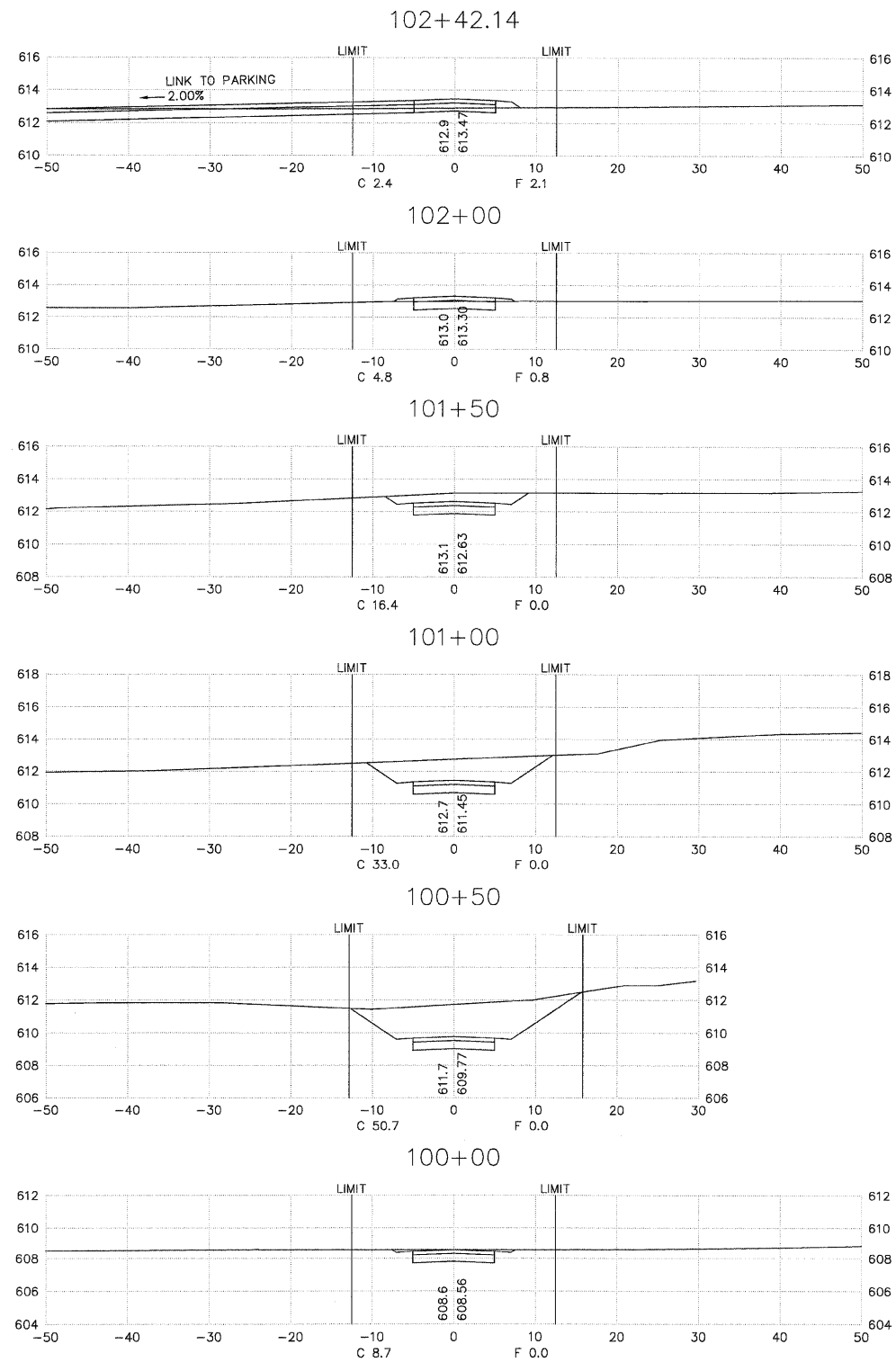
150+06.38



CROSS SECTIONS
GRAND ILLINOIS TRAIL
CARROLL COUNTY
STATION 150+77.75

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	36
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

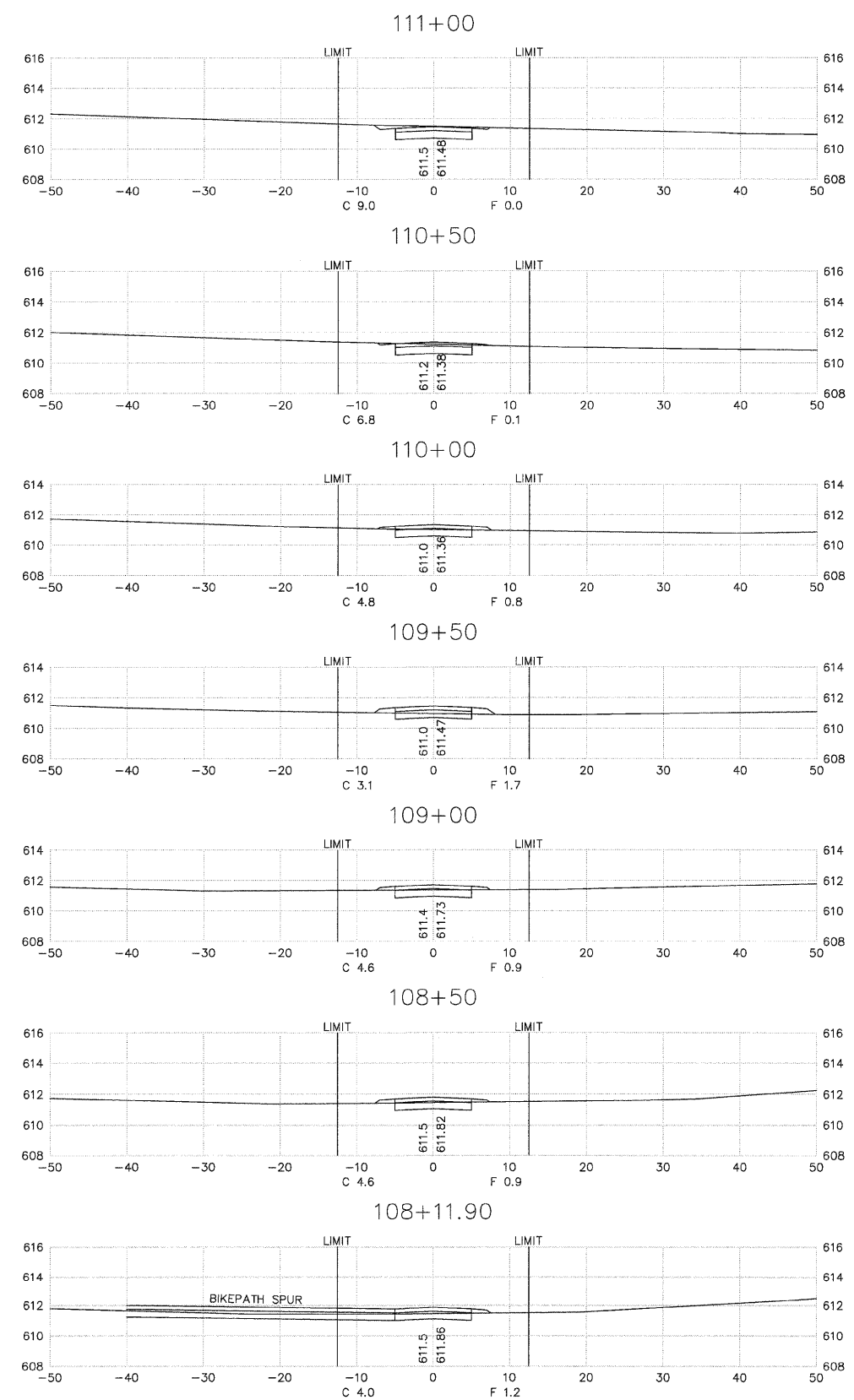
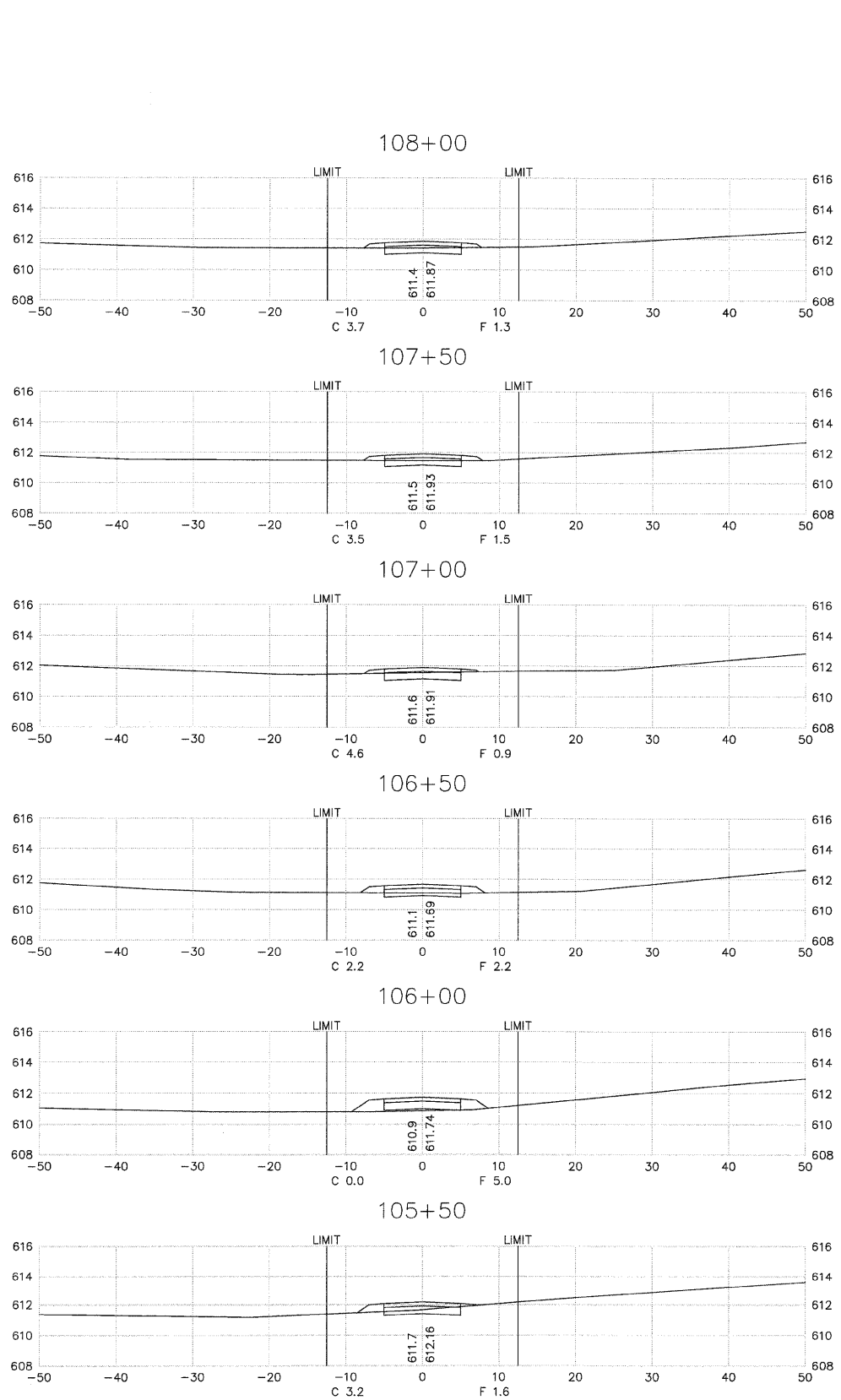
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	37
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 000800				

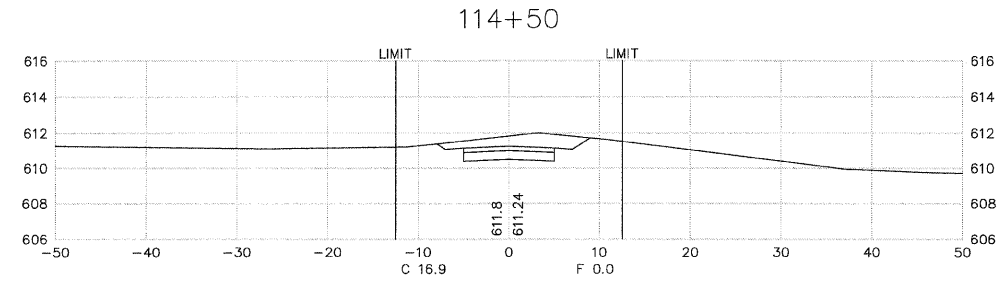
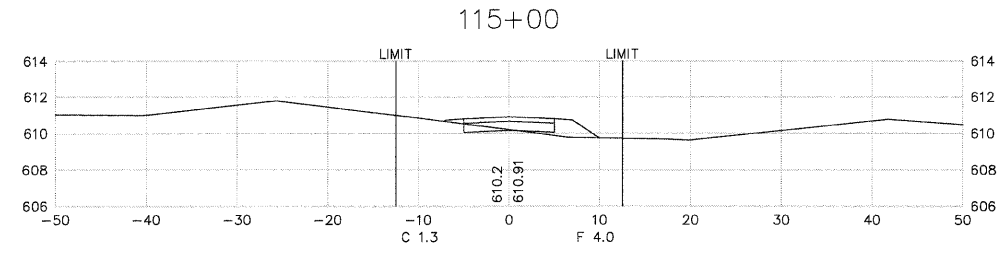
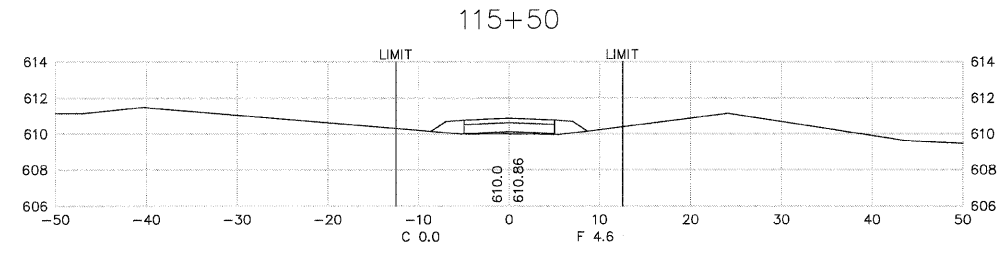
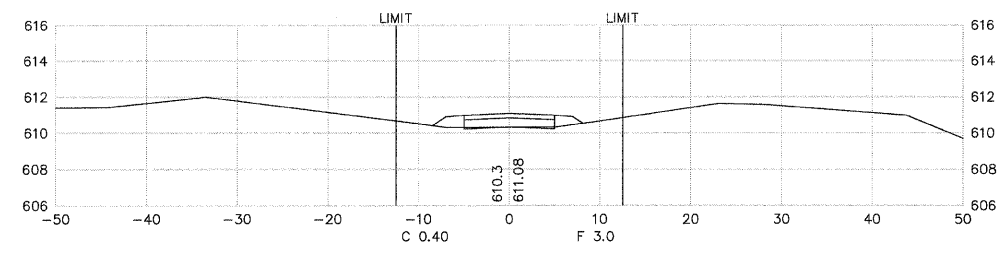
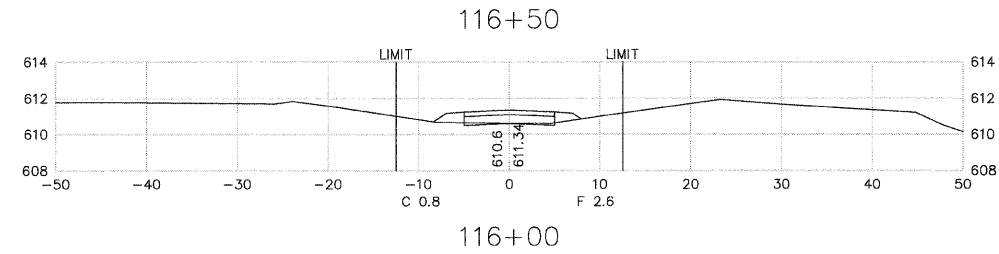
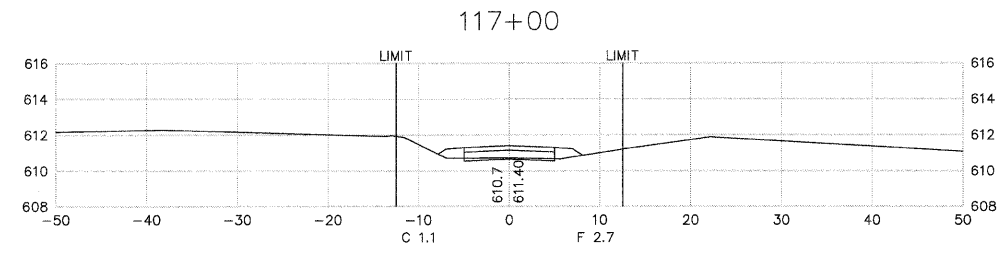
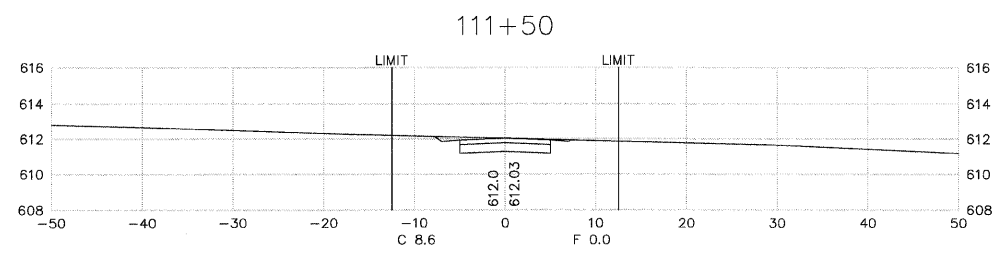
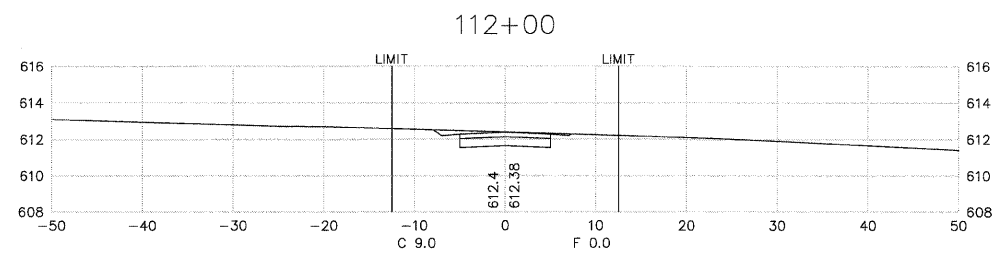
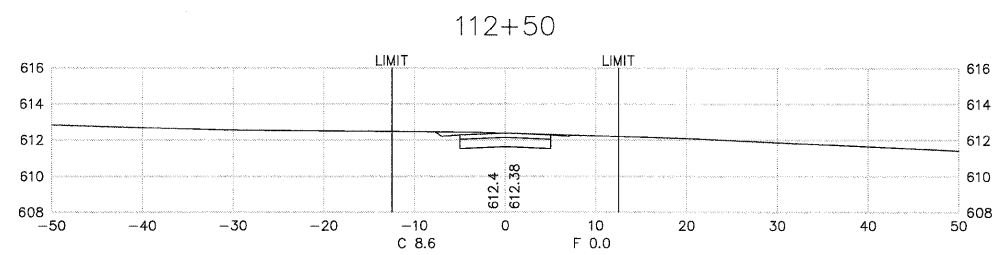
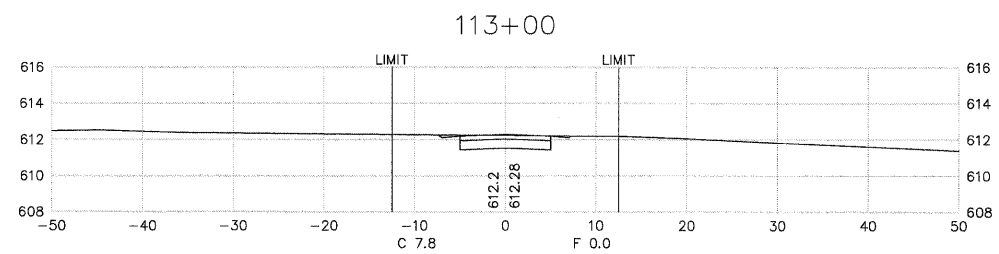
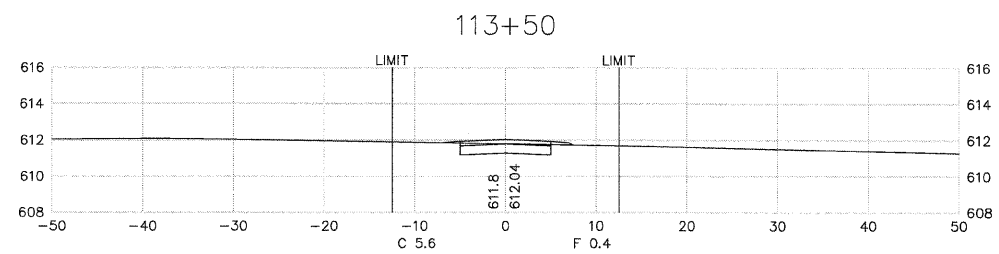
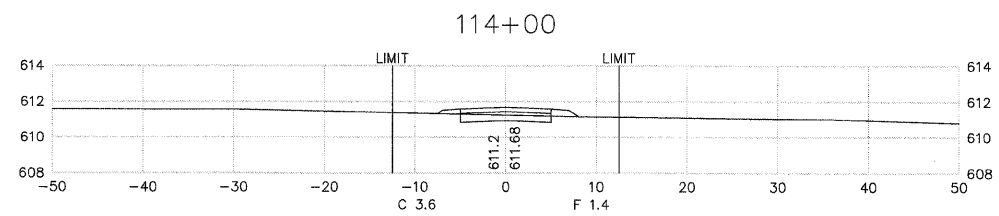
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

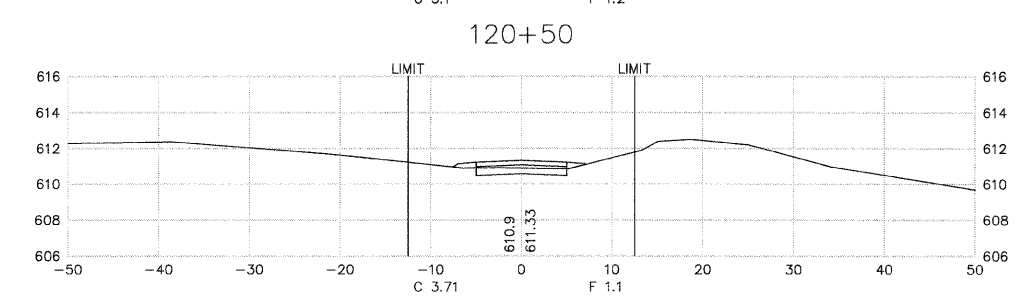
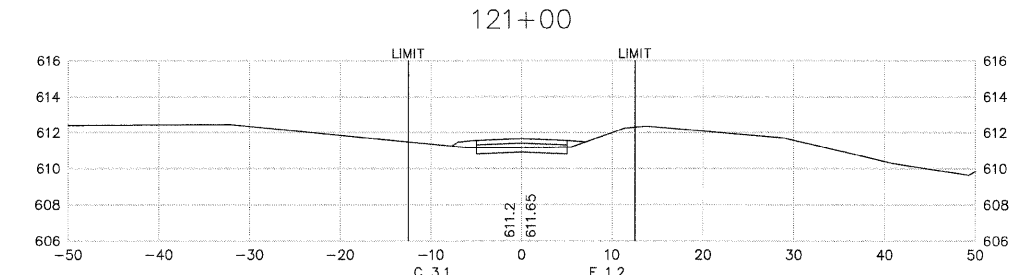
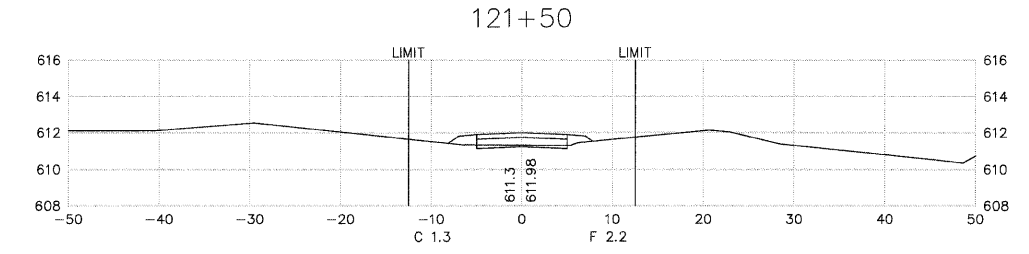
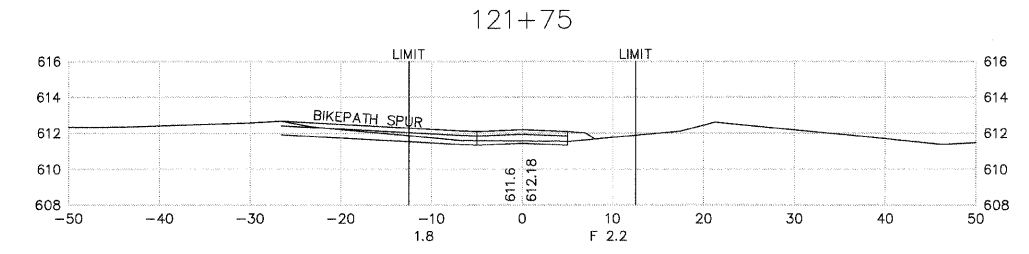
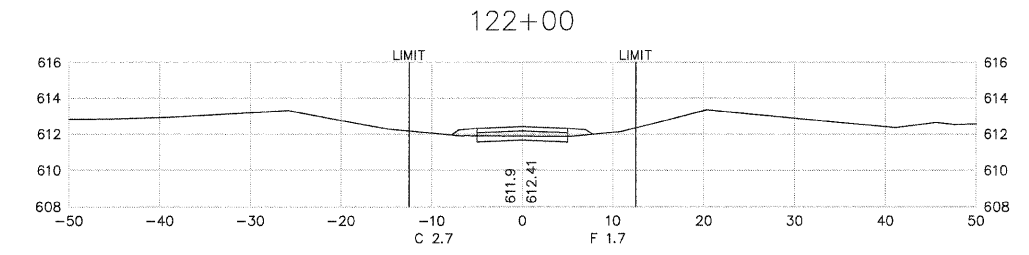
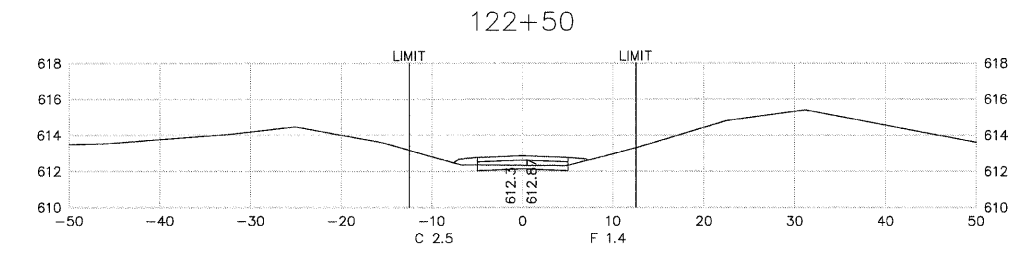
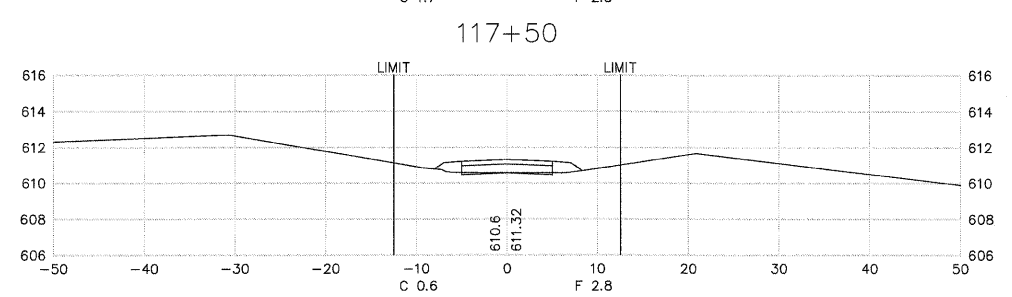
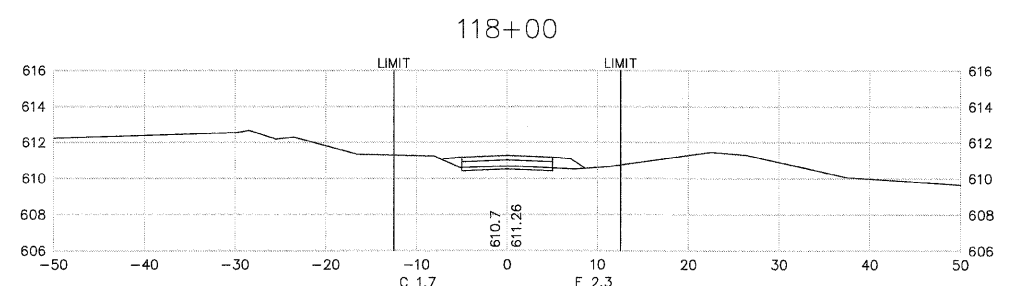
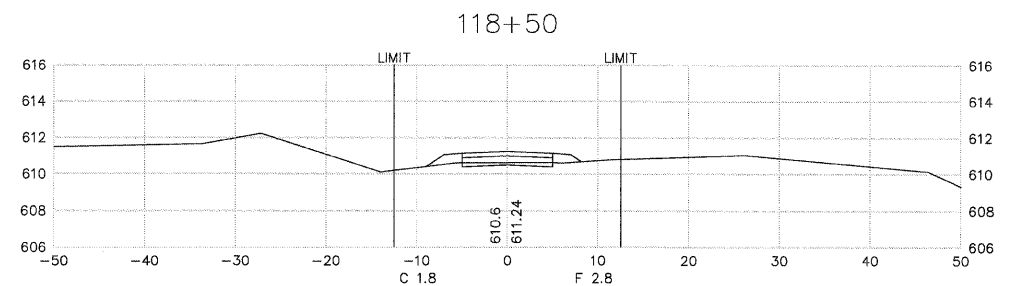
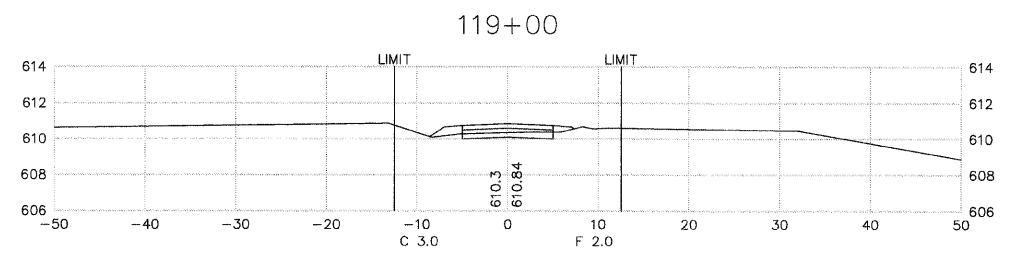
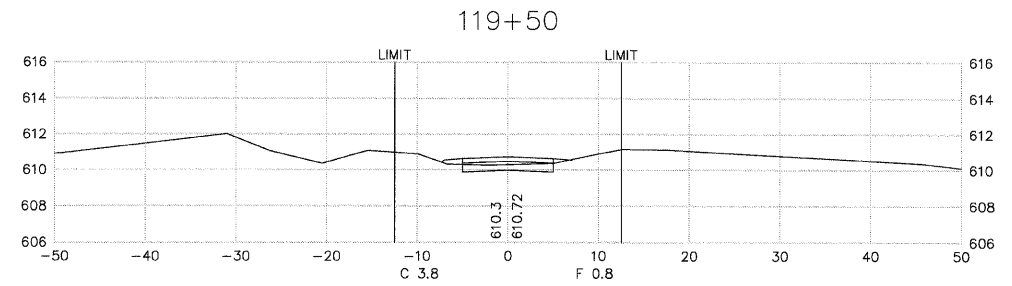
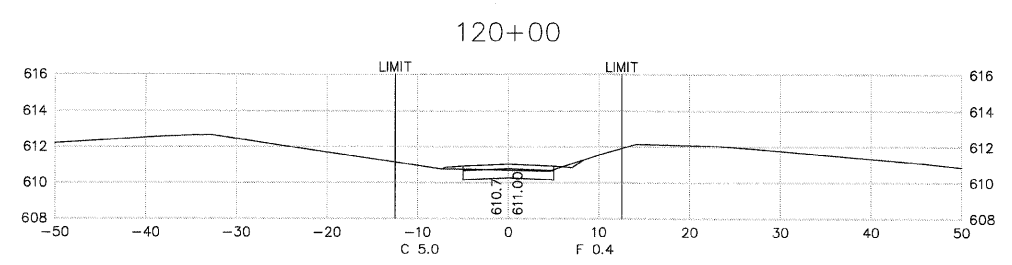
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	38
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0008800

NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	39
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

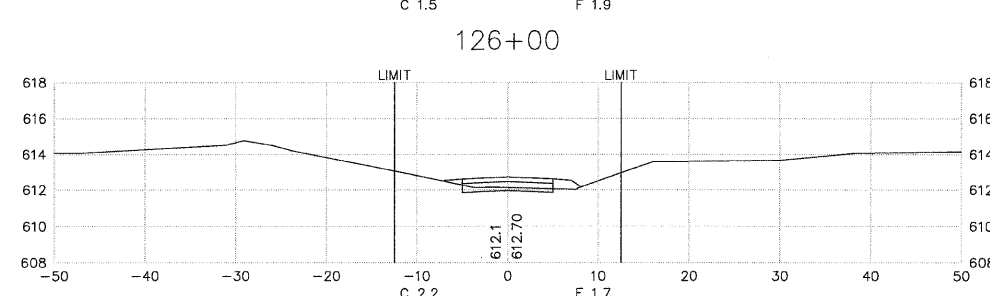
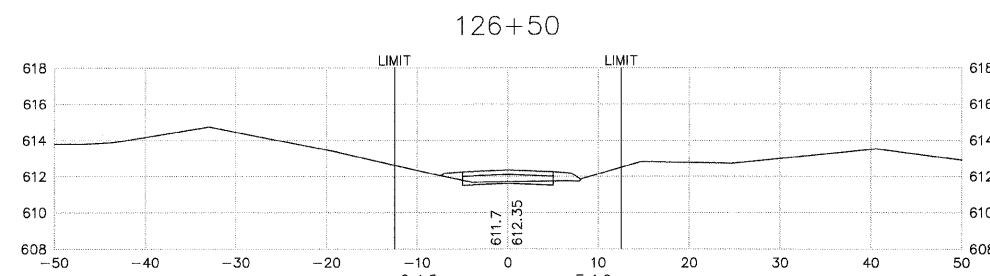
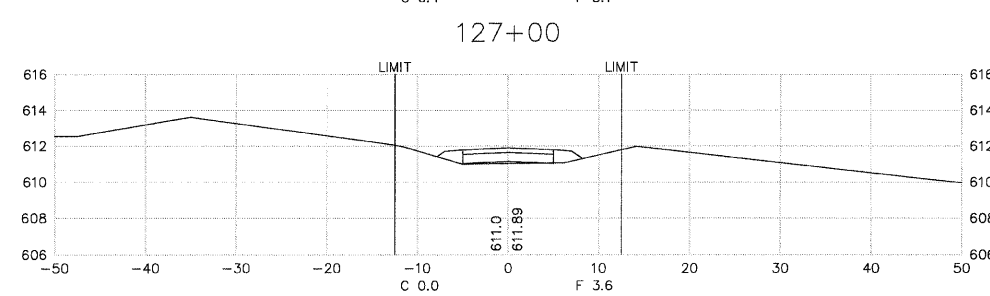
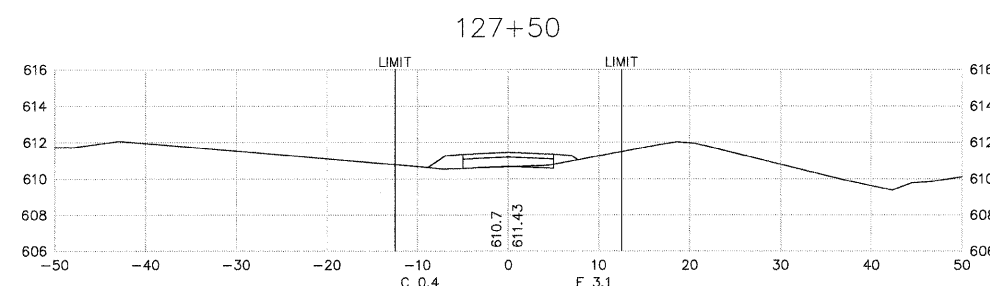
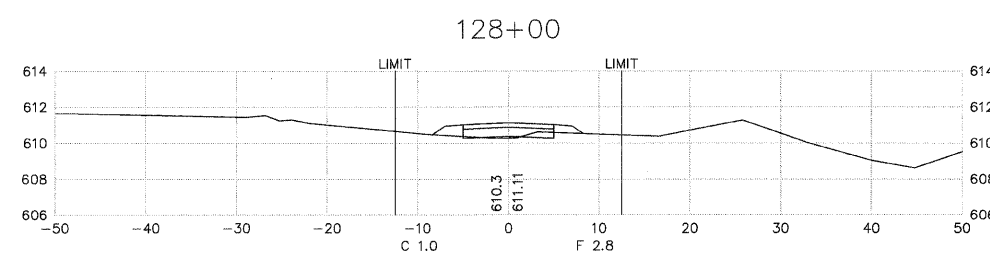
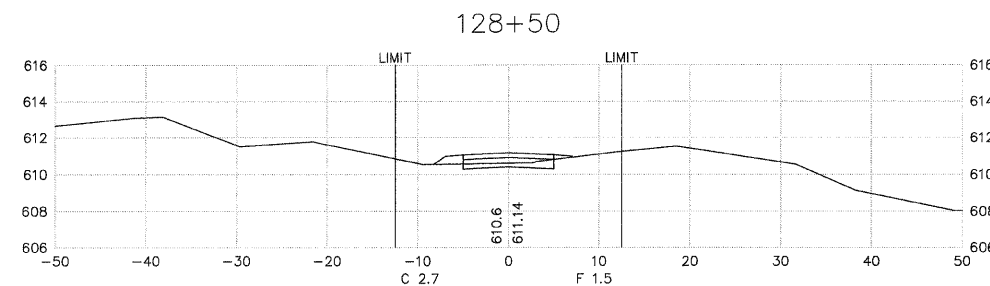
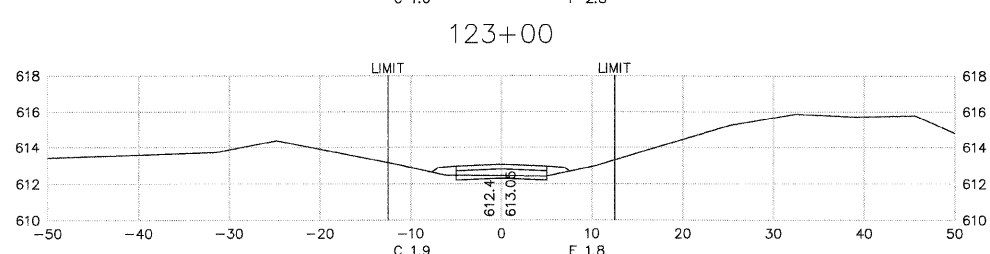
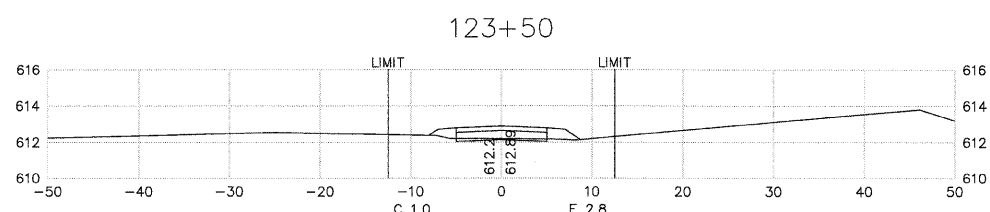
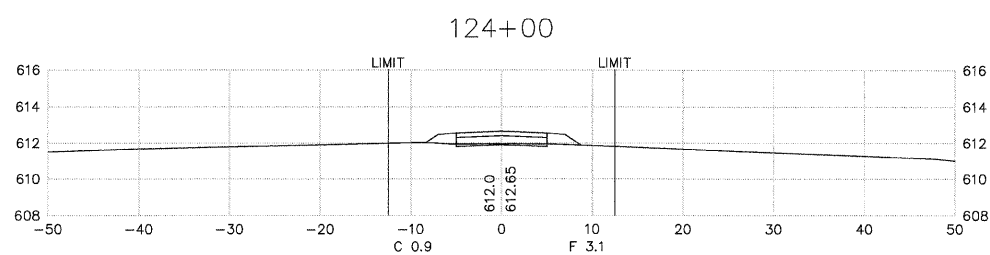
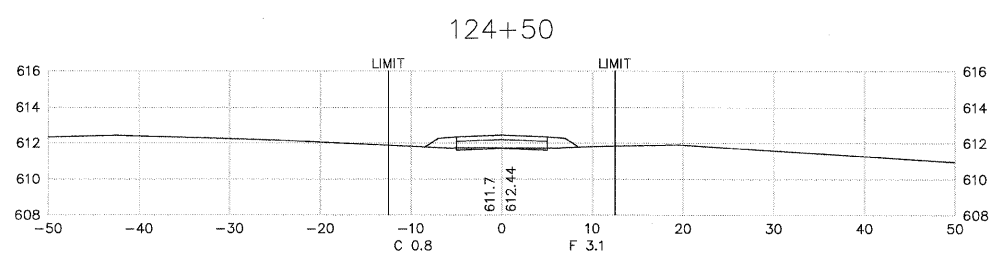
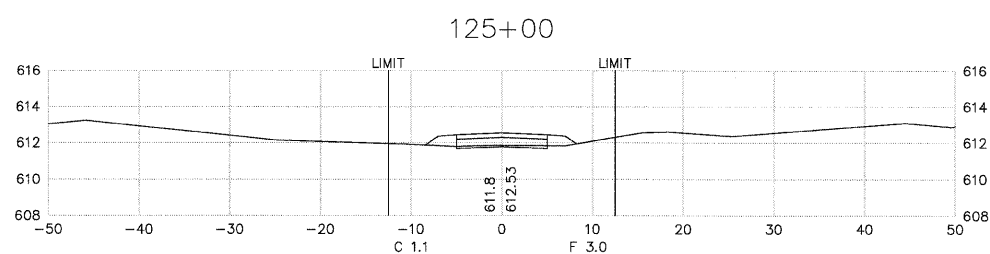
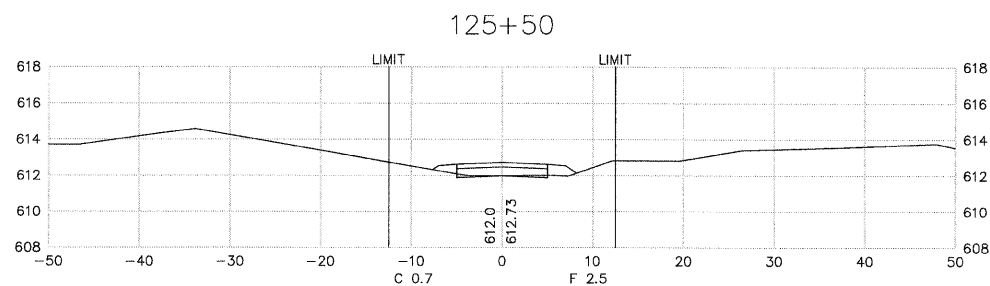


NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.

MAINLINE CROSS SECTIONS

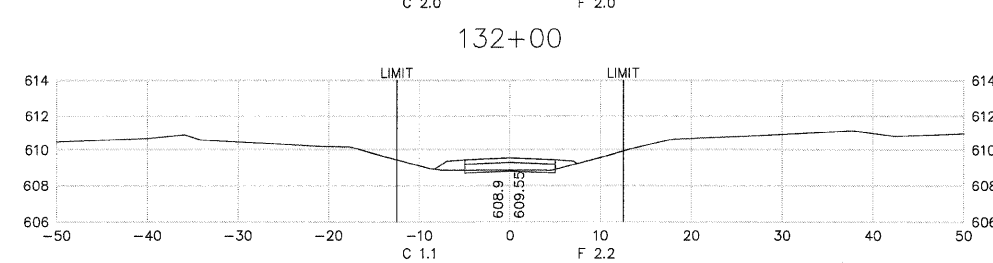
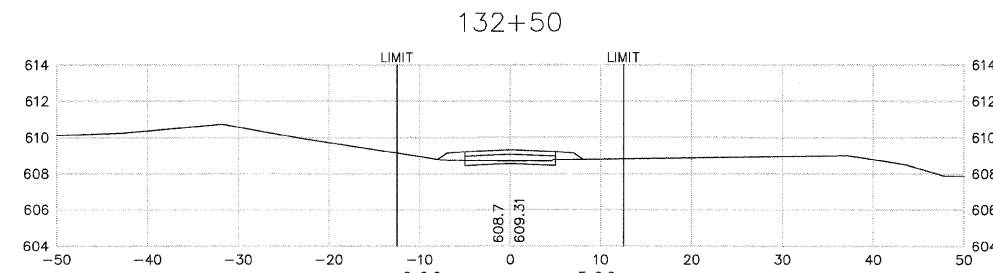
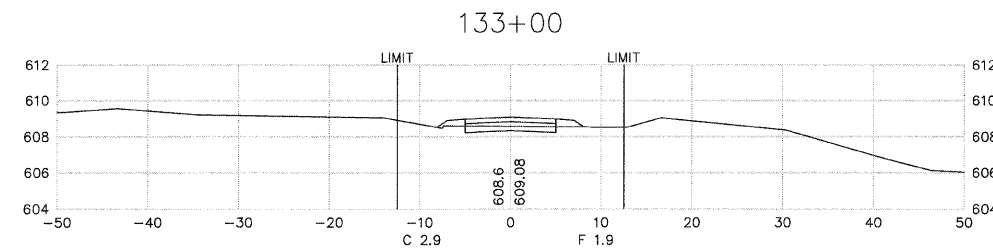
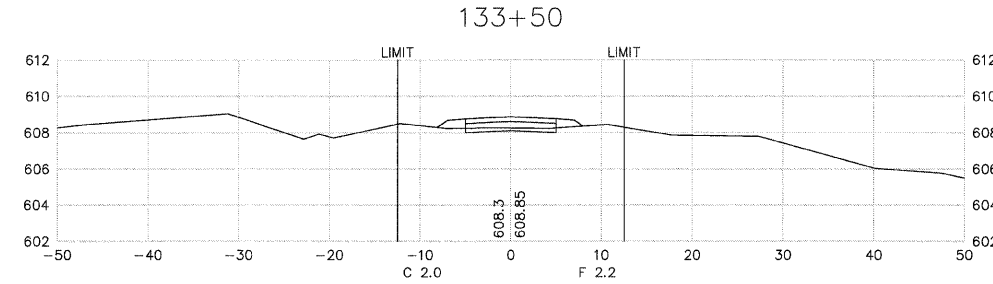
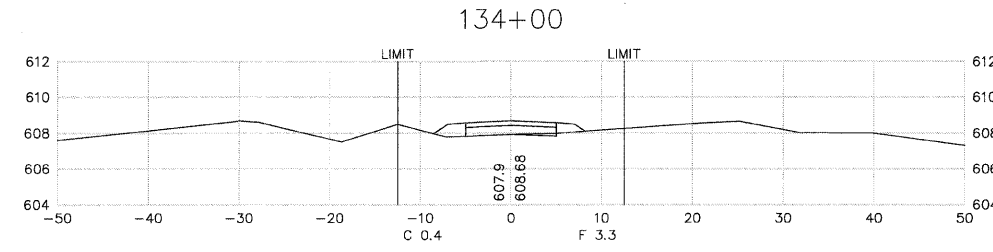
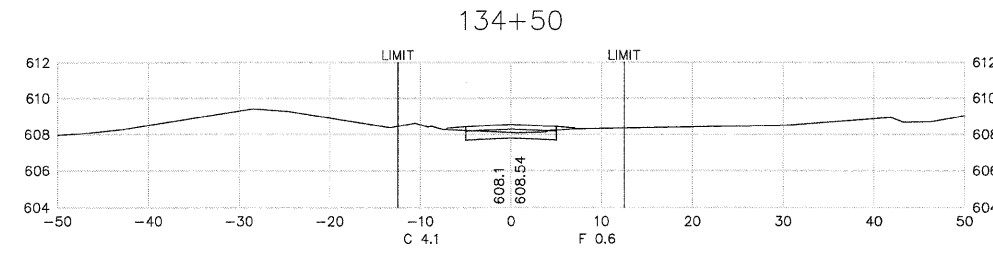
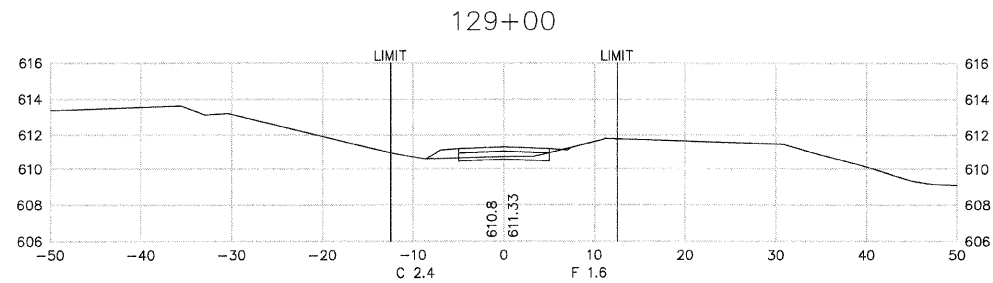
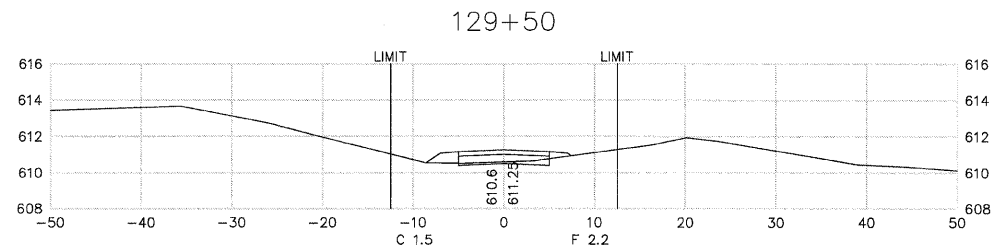
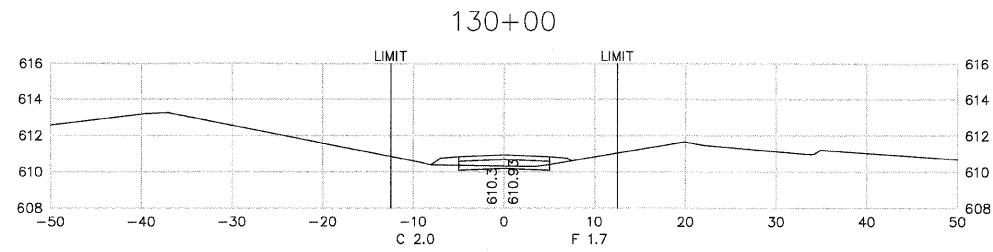
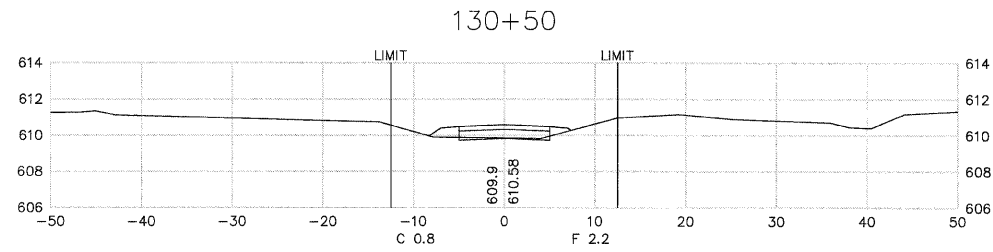
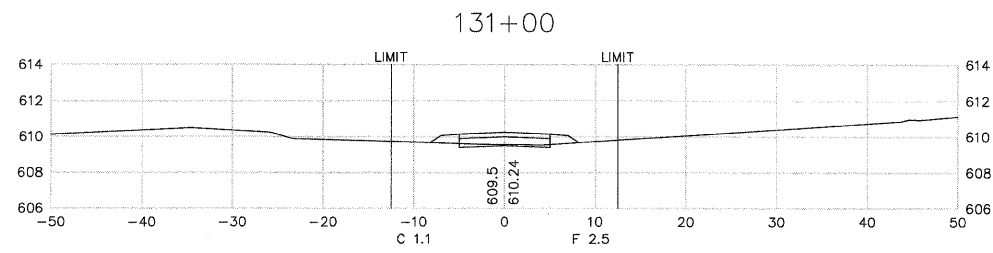
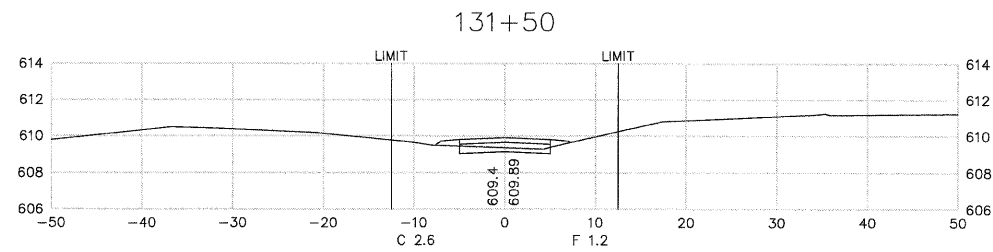
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	40
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				

NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



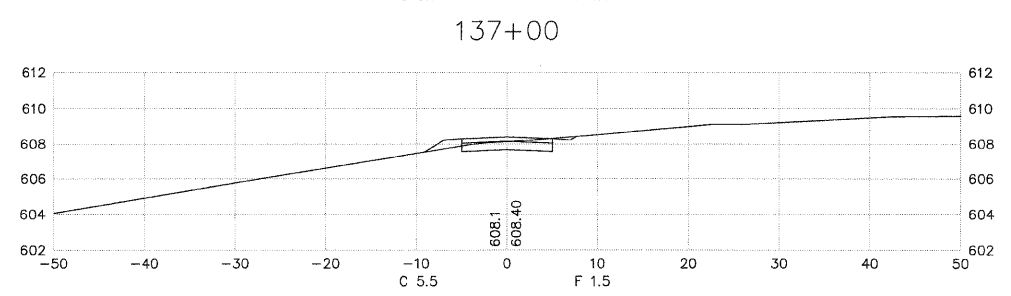
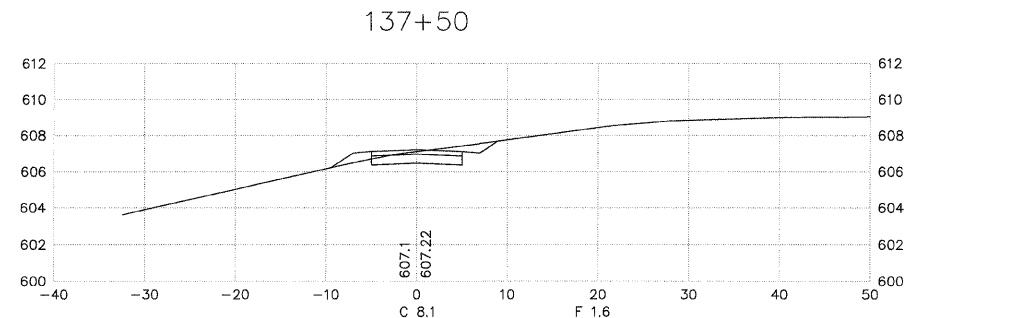
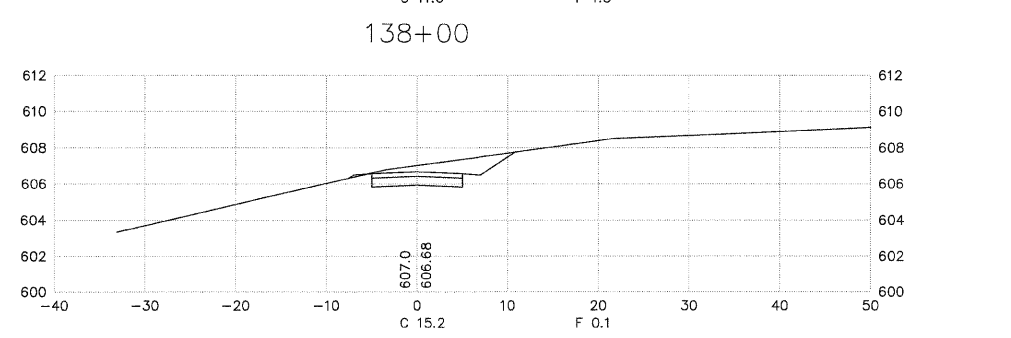
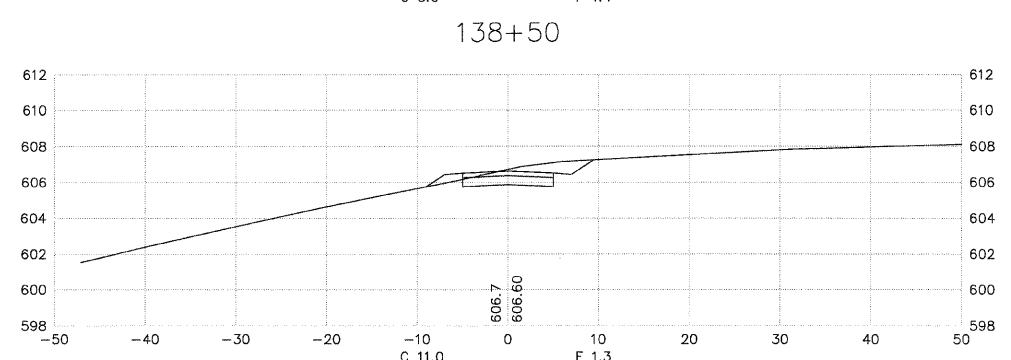
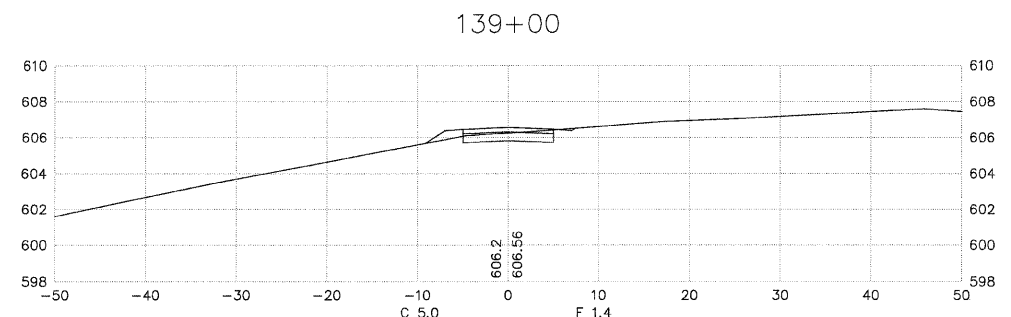
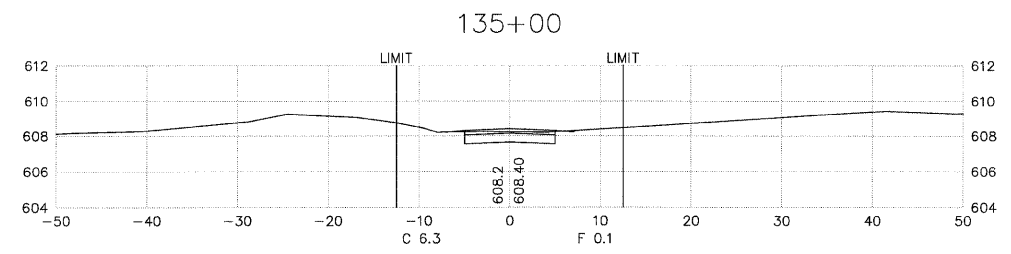
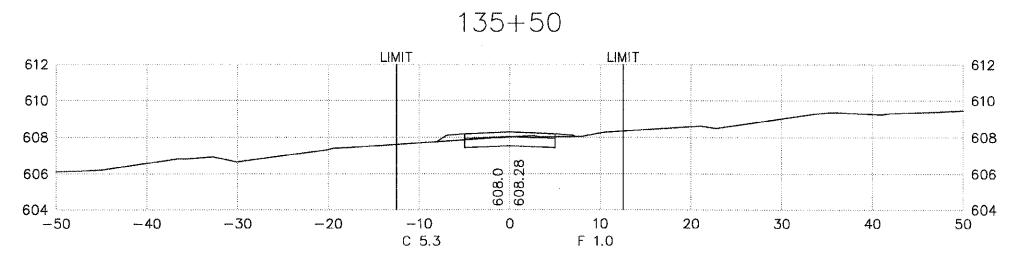
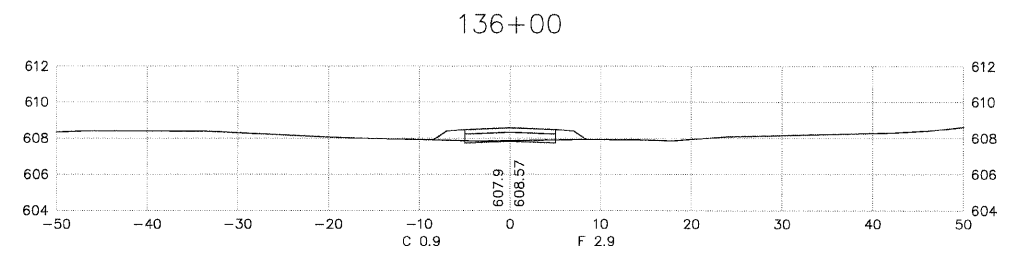
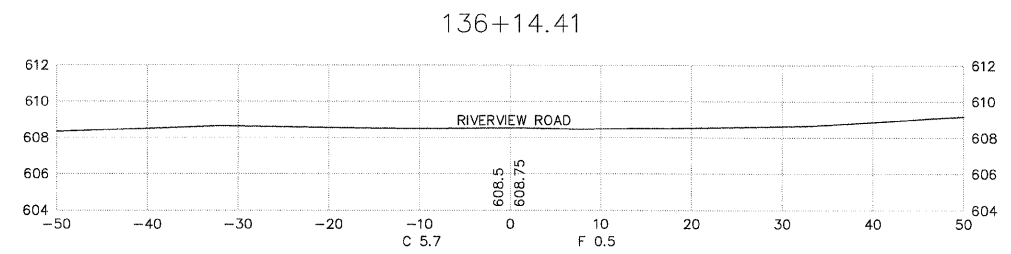
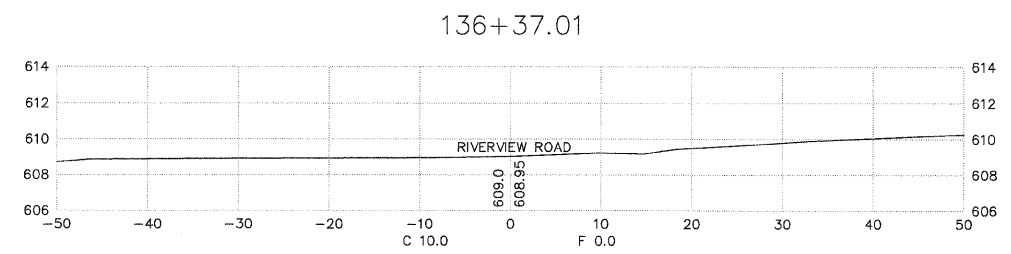
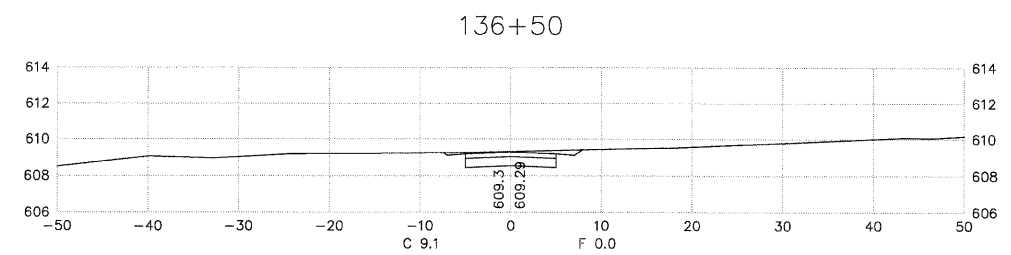
MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	41
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800



NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS
OTHERWISE NOTED.

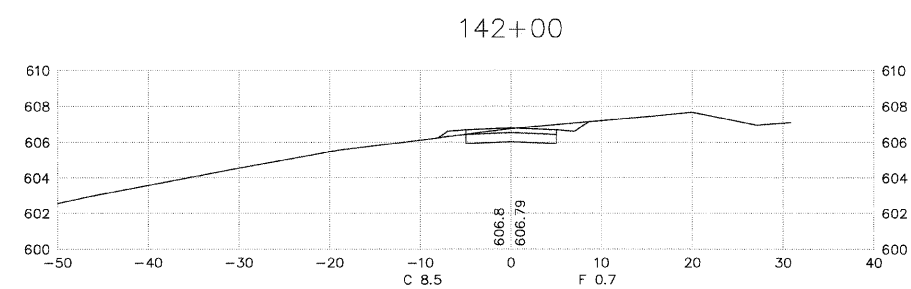
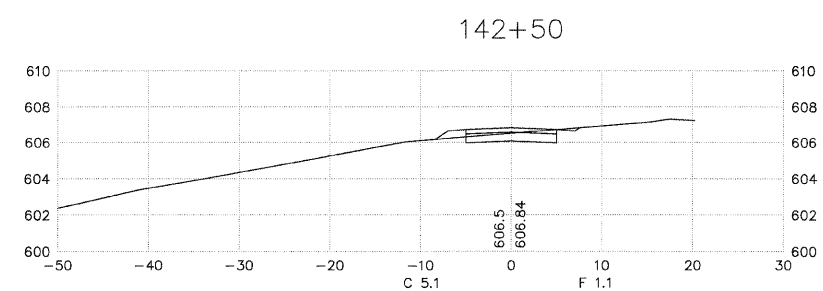
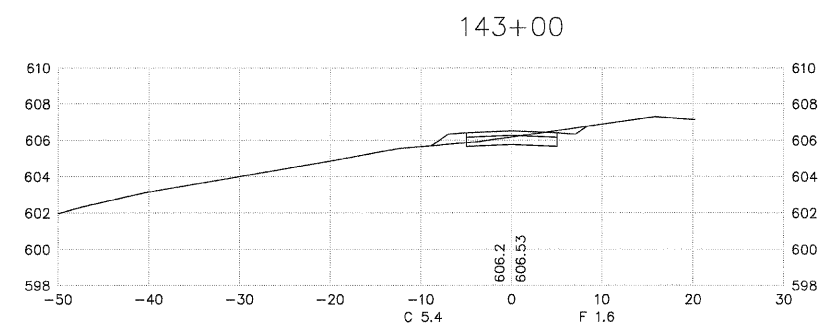
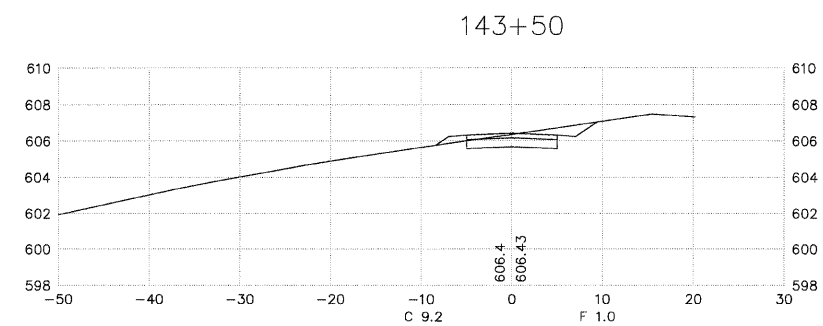
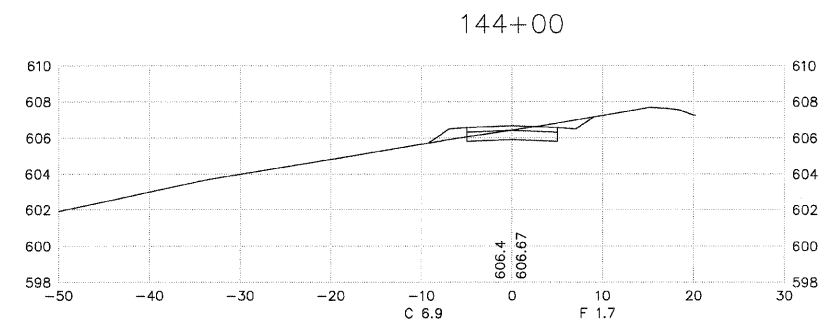
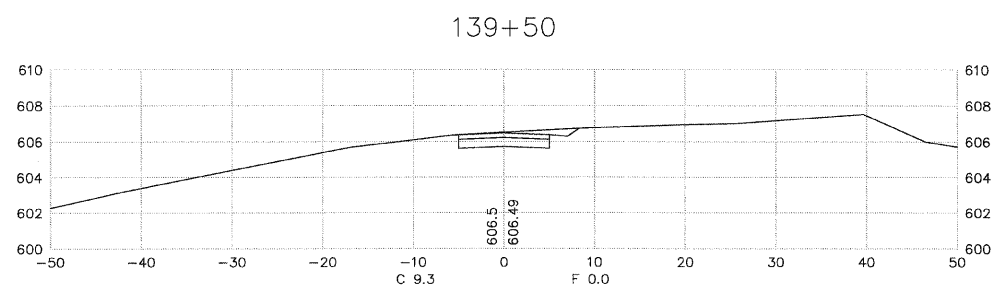
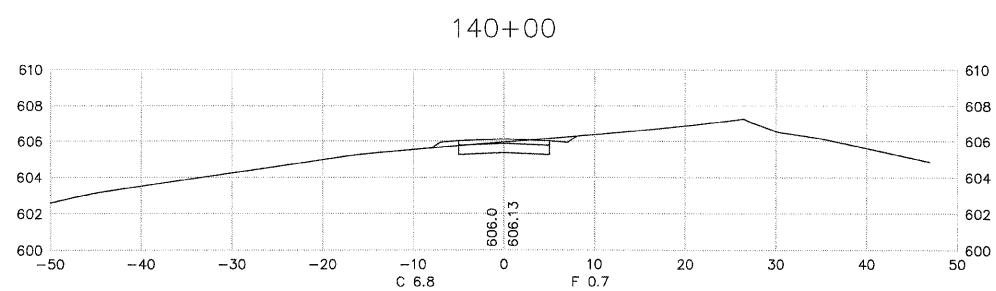
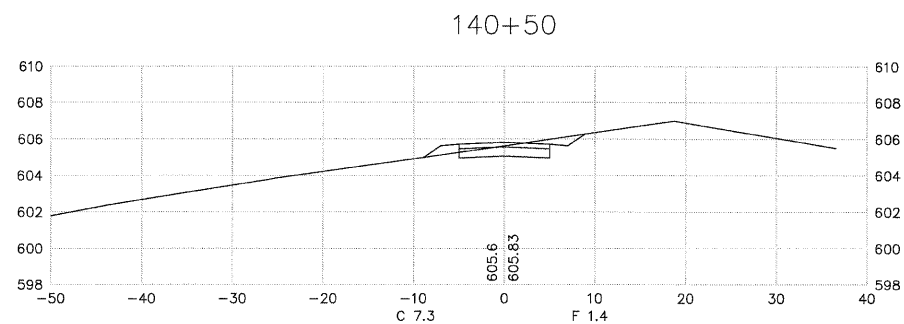
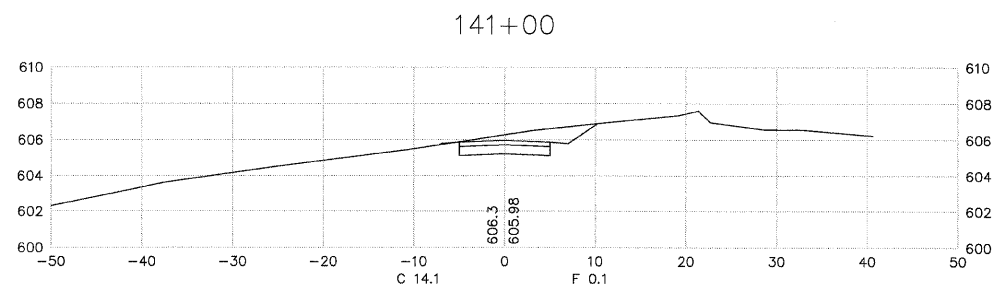
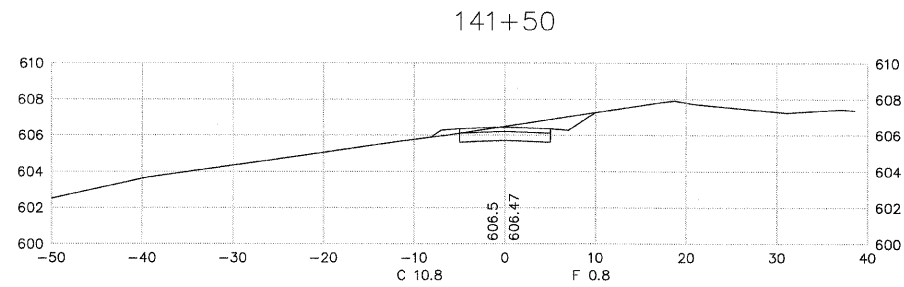
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	42
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	000800



NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS
OTHERWISE NOTED.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	43
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

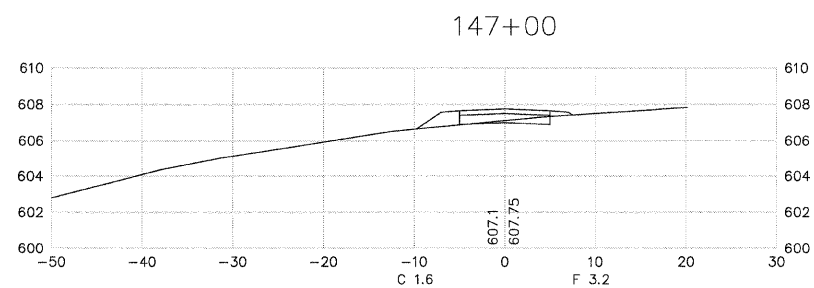
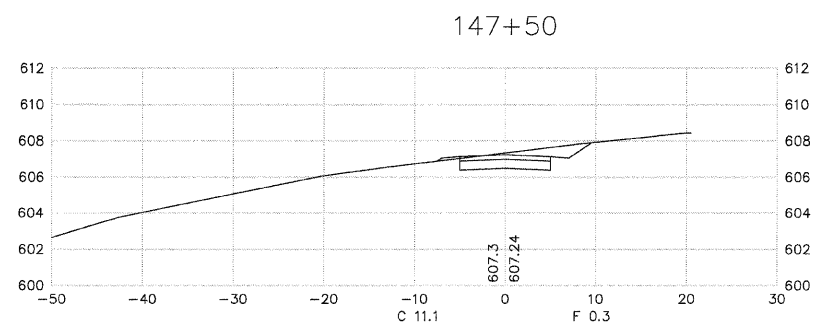
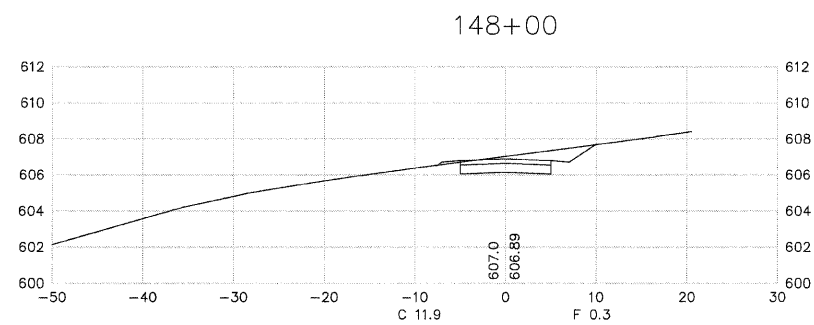
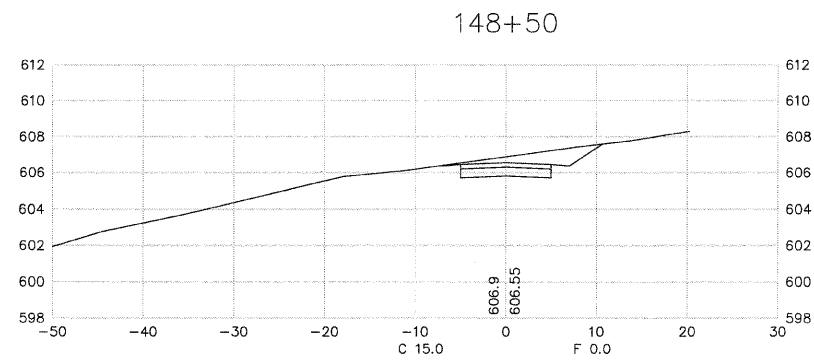
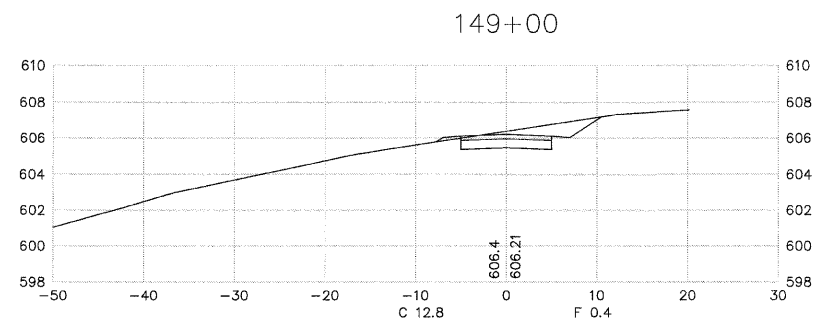
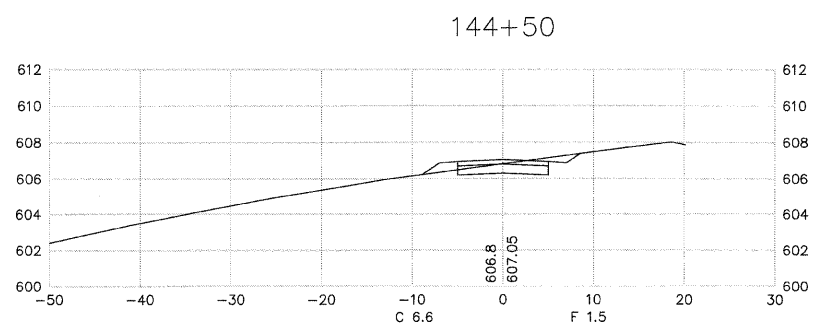
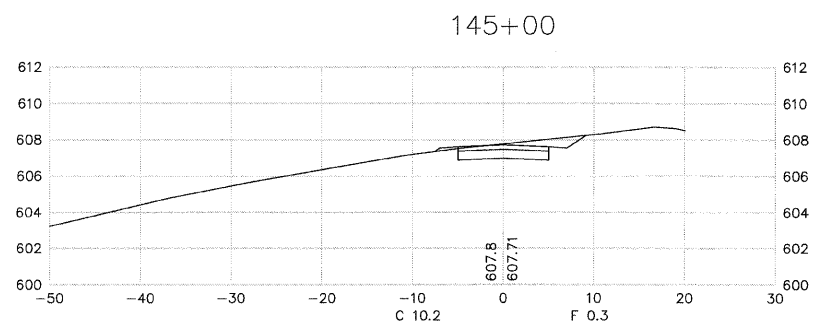
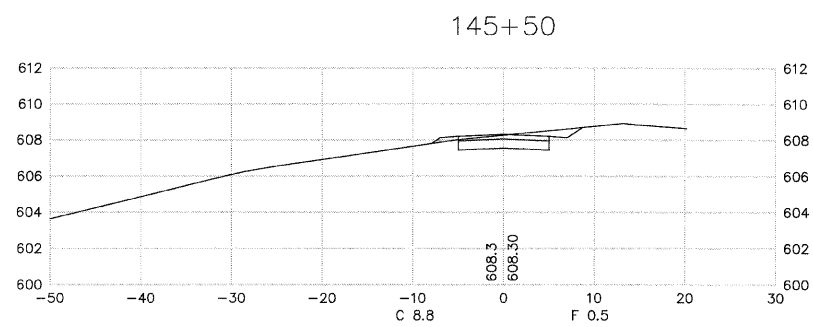
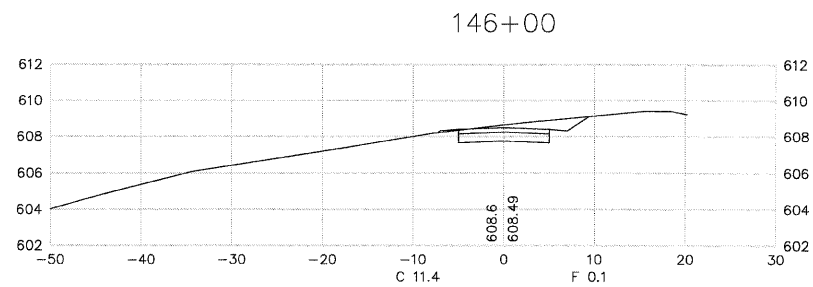
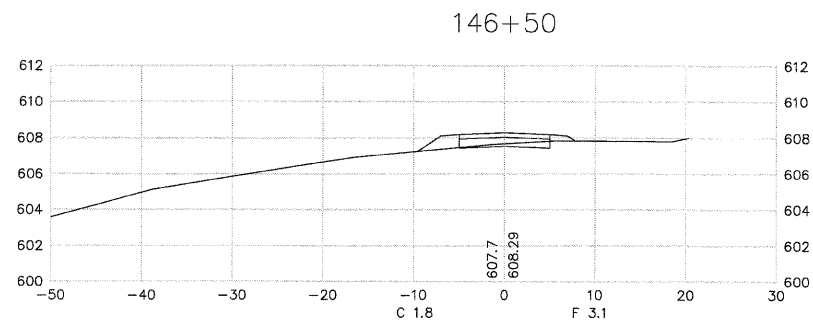
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	44
JOB # C-30-043-08		ILLINOIS	FED. AID PROJECT	0005800

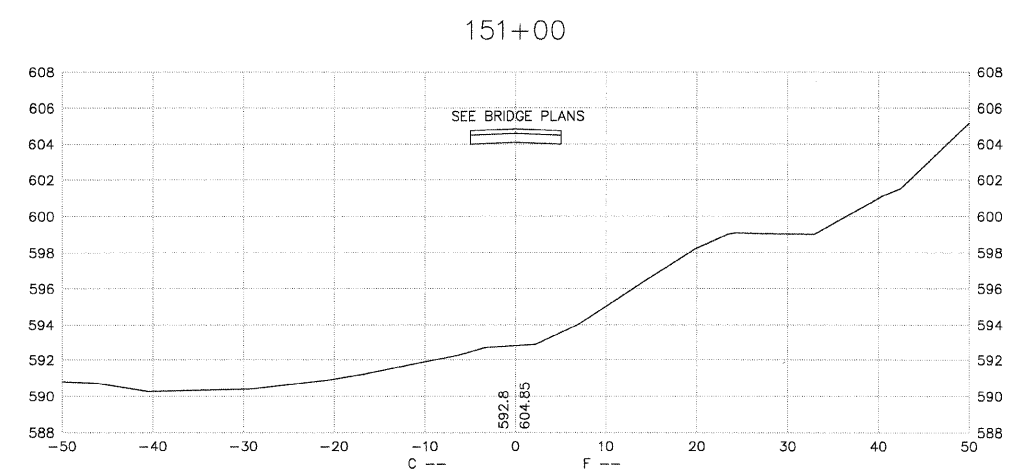
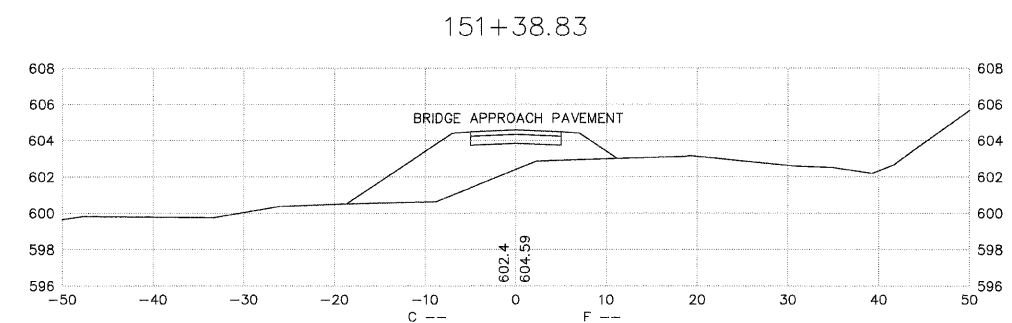
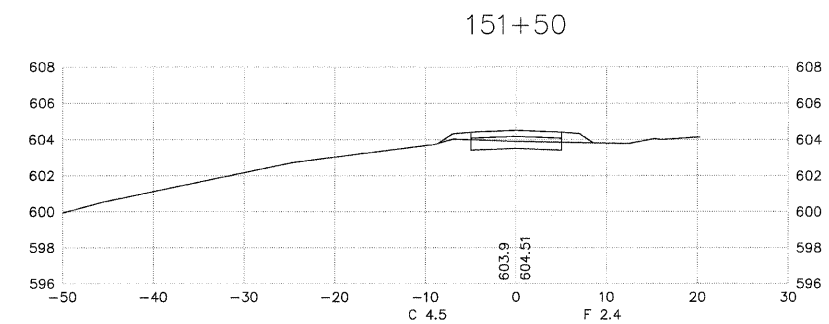
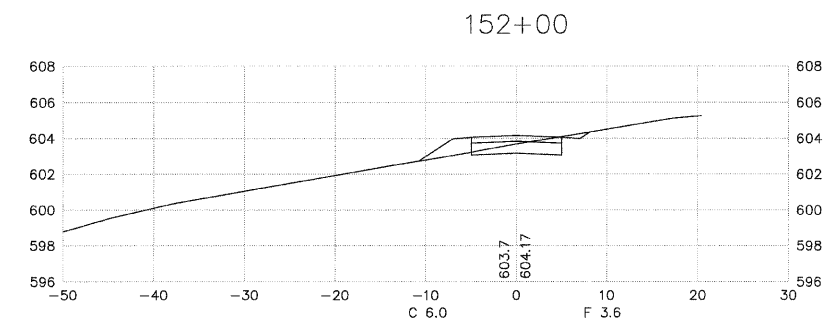
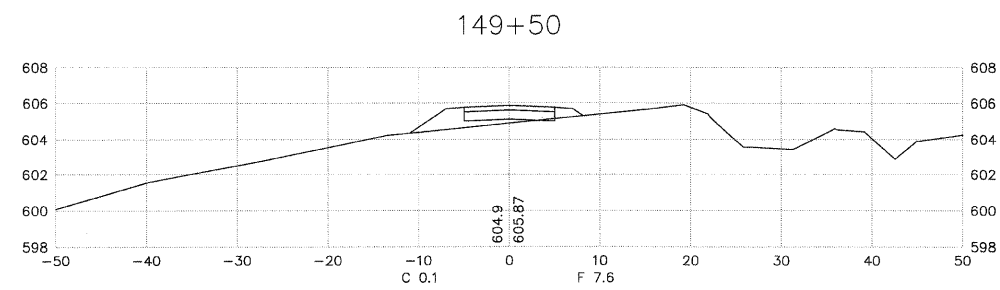
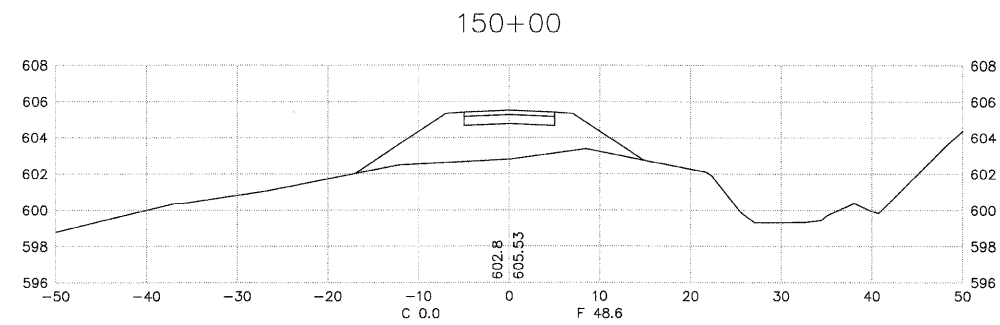
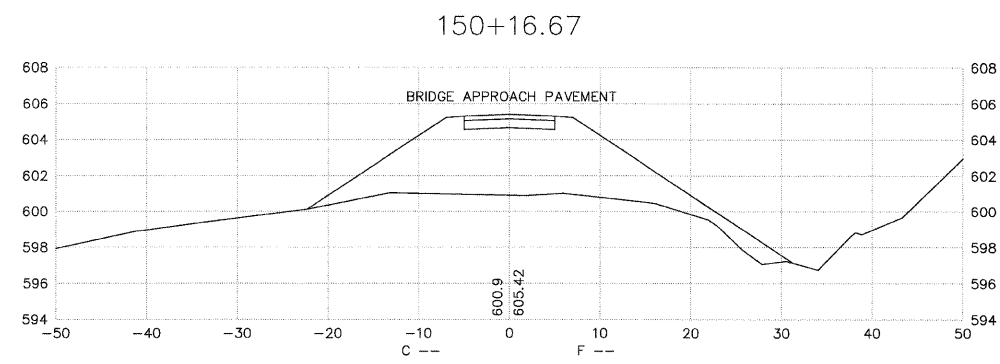
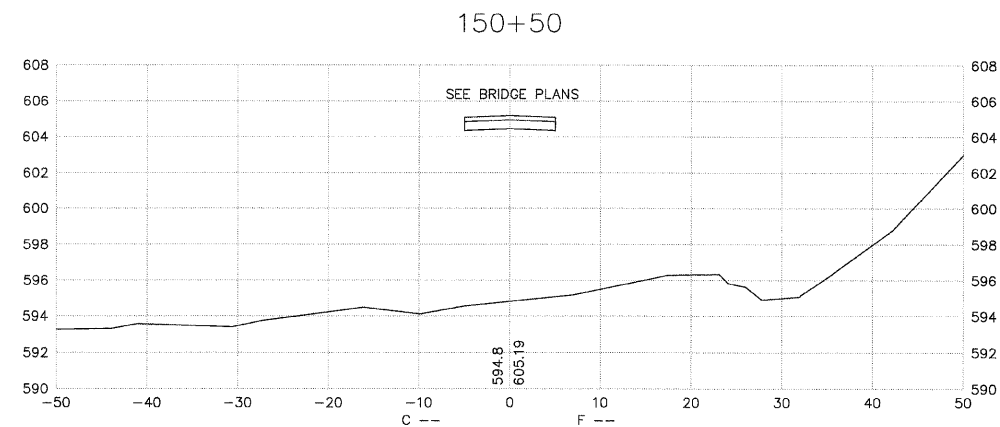
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	45
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

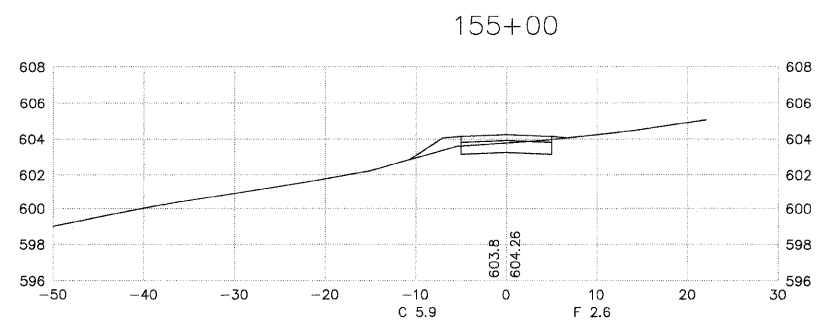
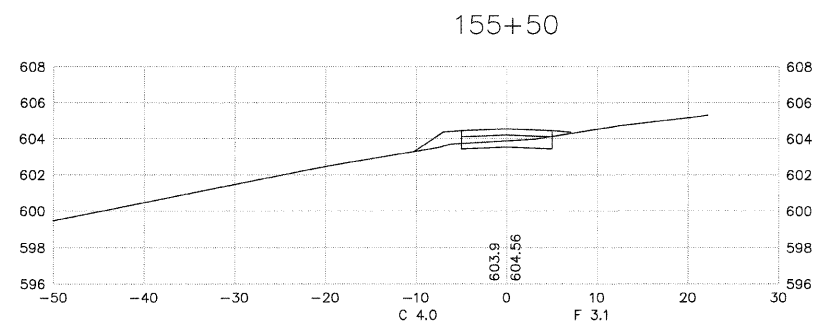
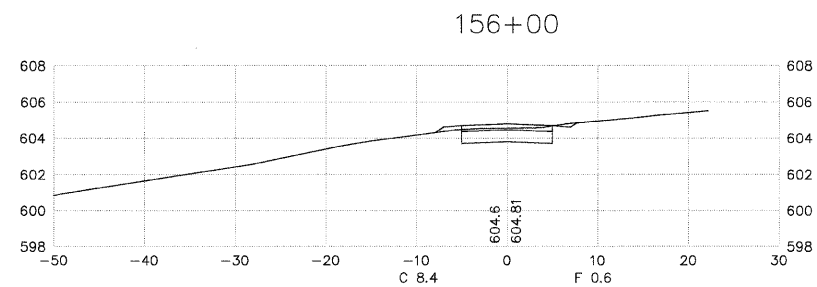
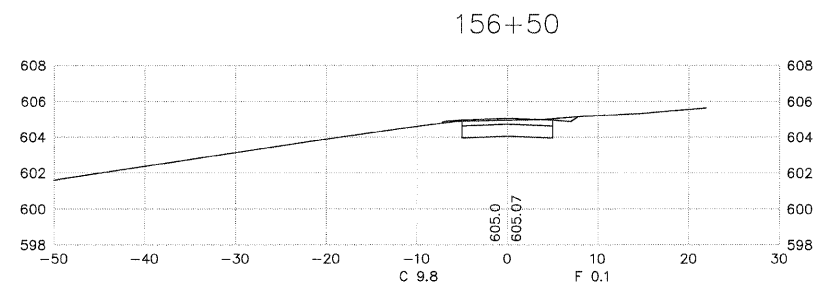
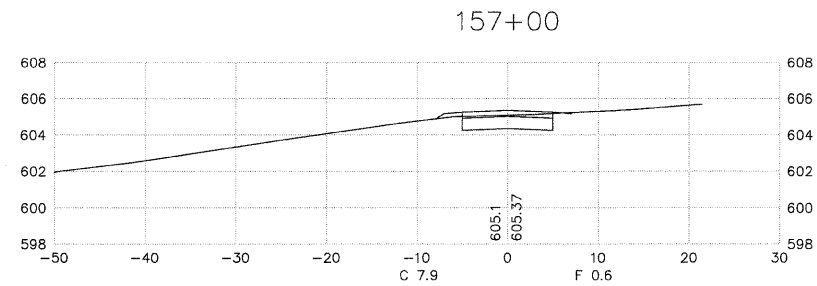
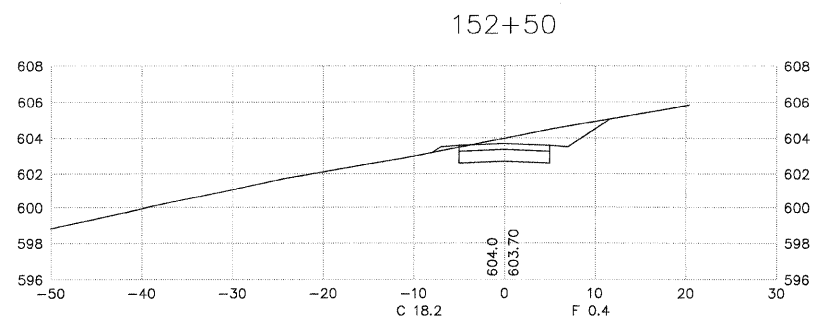
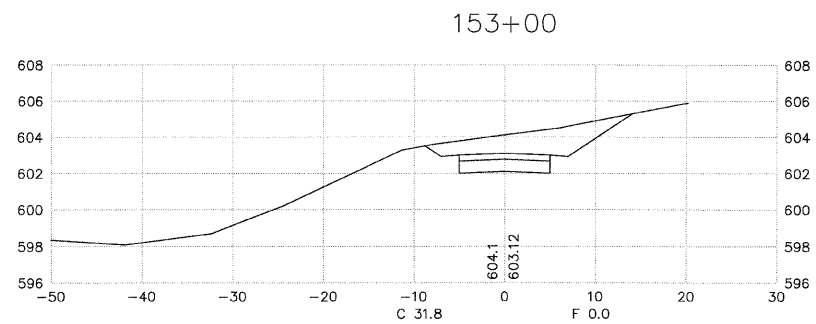
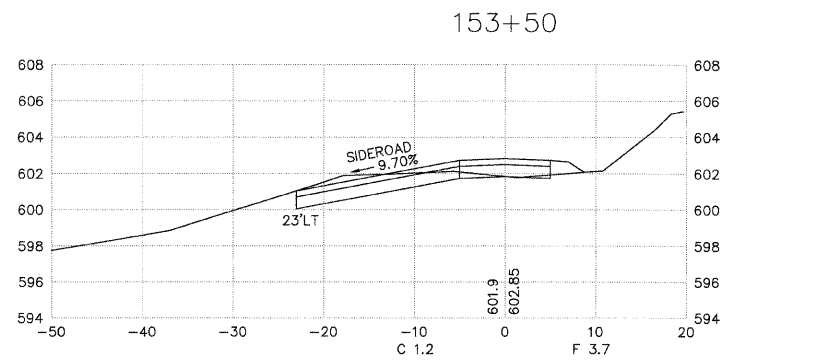
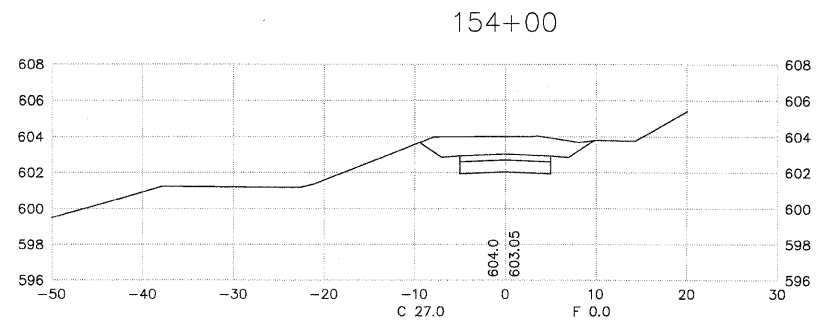
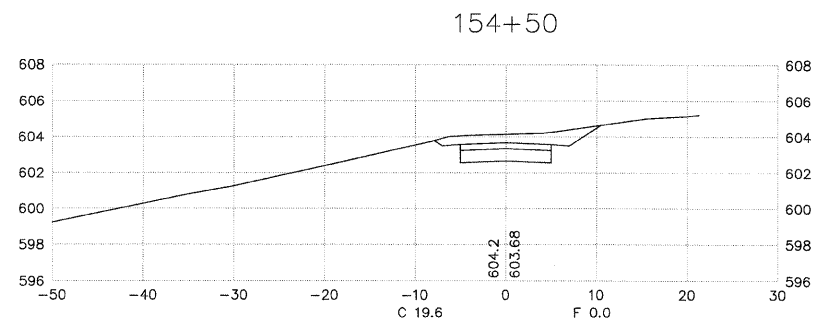
NOTE:
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MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	46
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

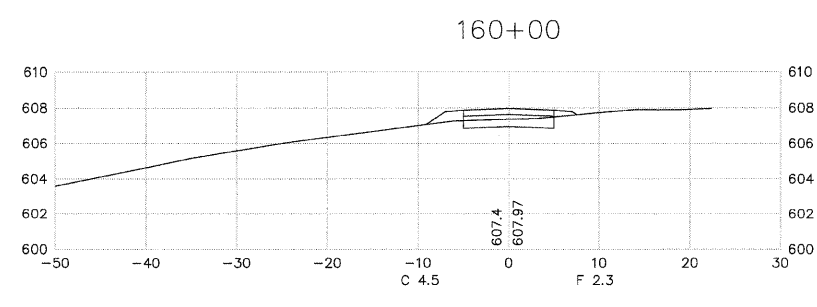
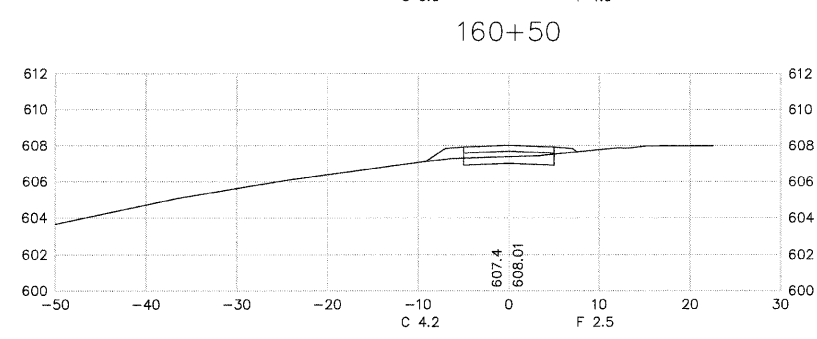
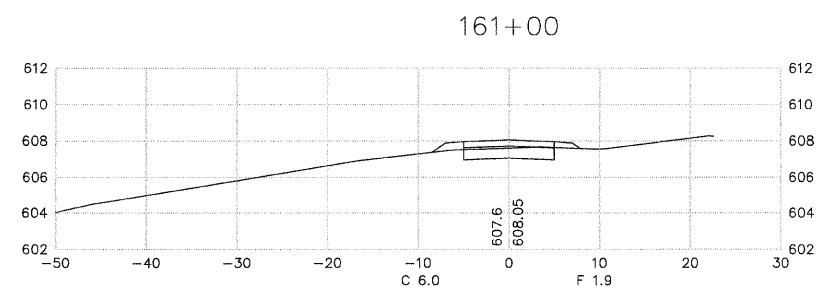
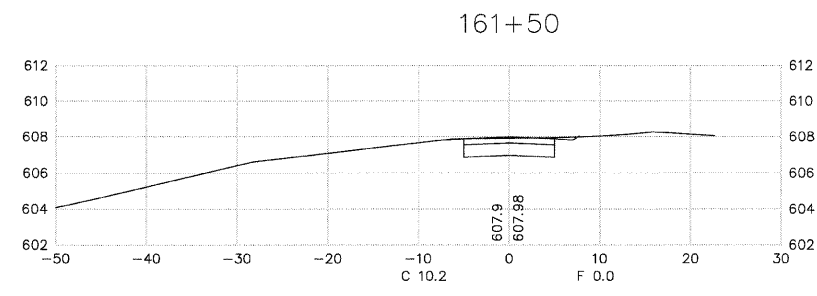
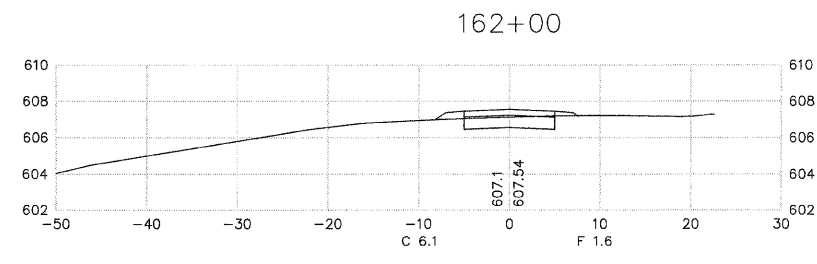
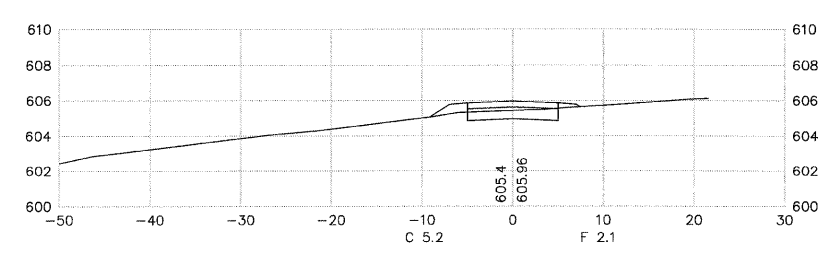
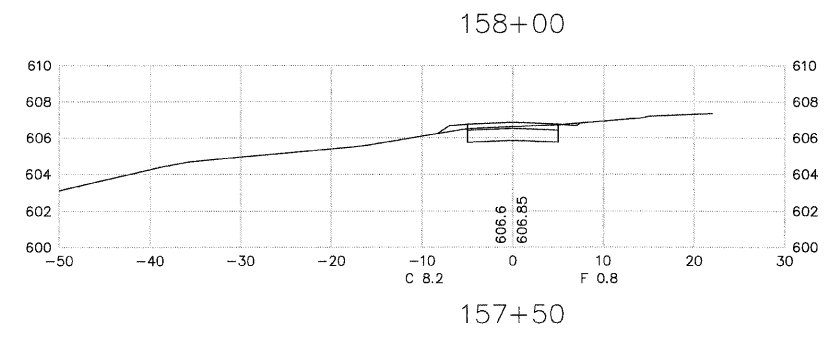
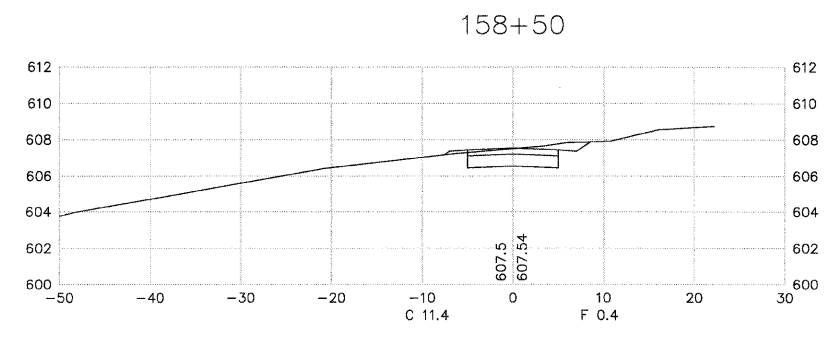
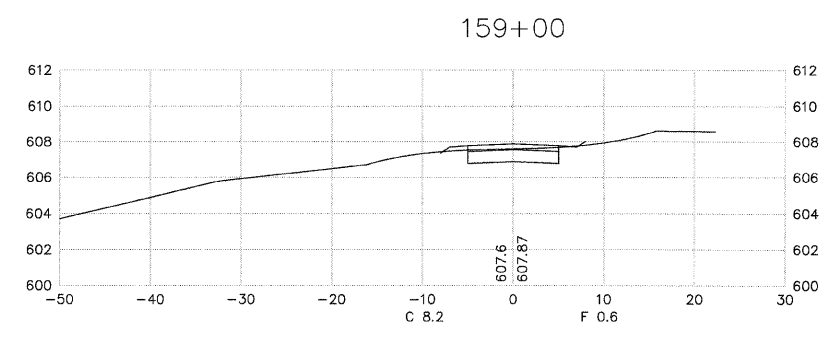
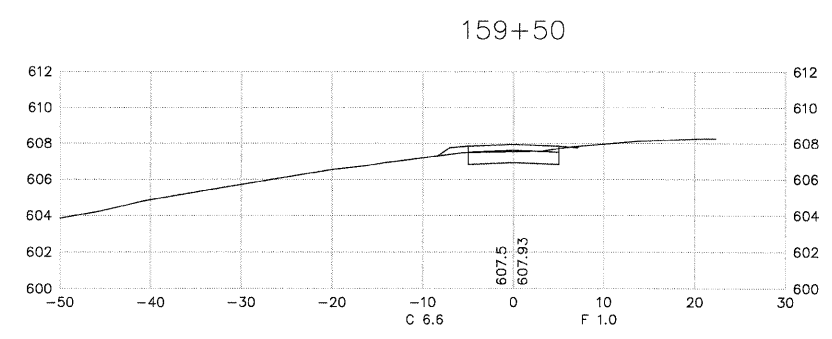
NOTE:
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MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	47
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	000800

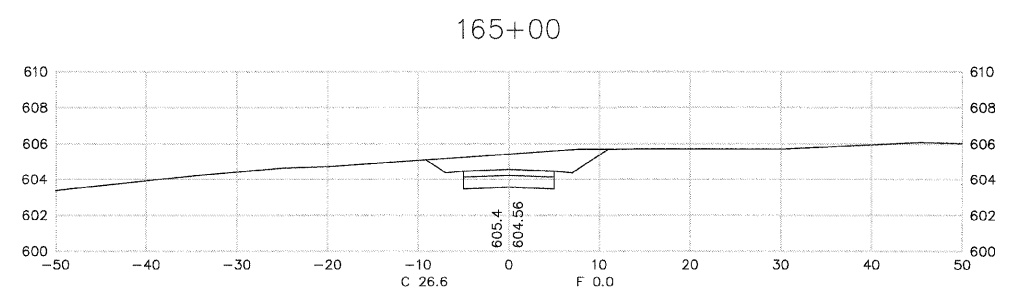
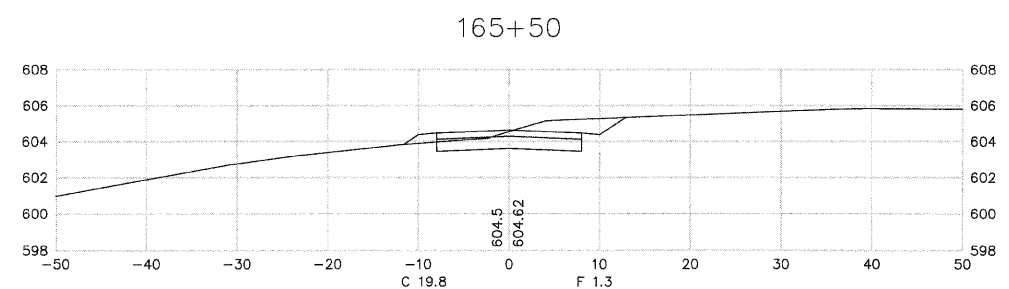
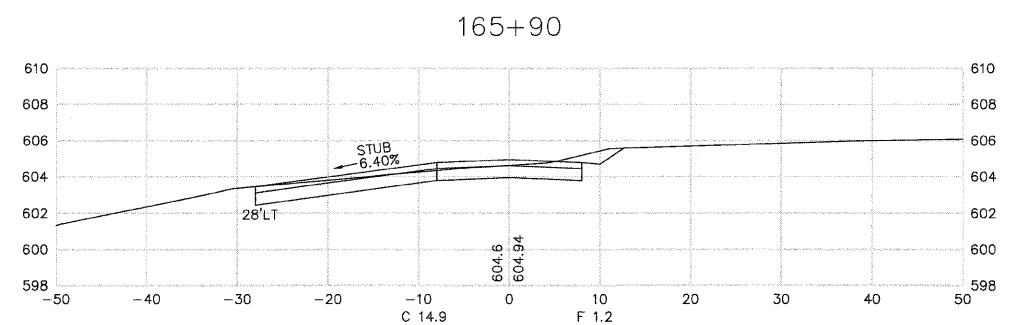
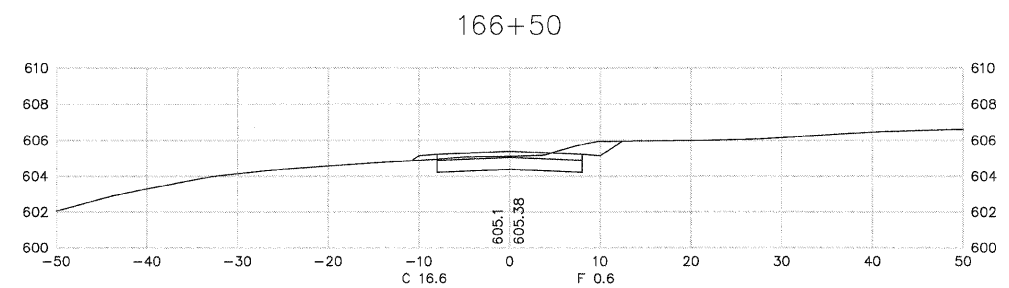
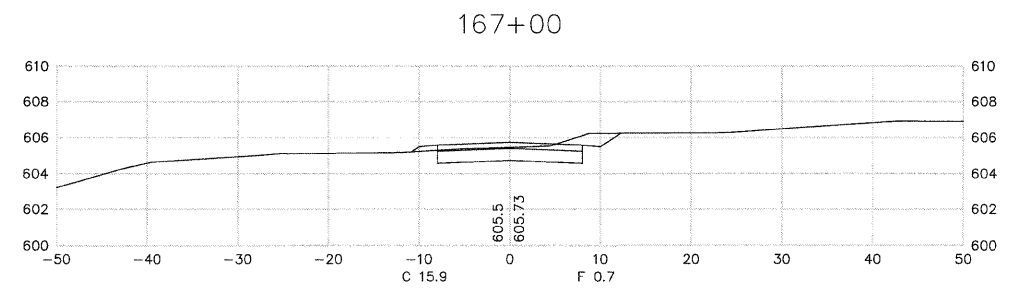
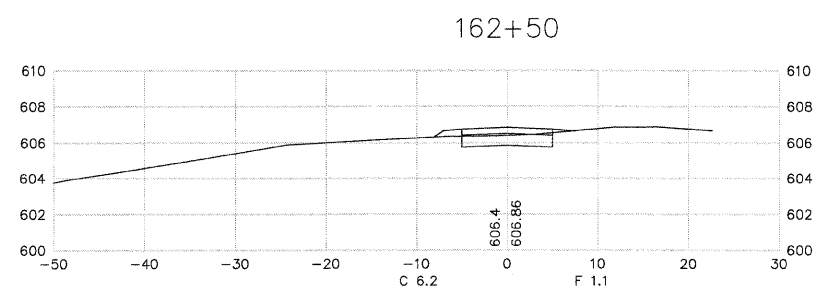
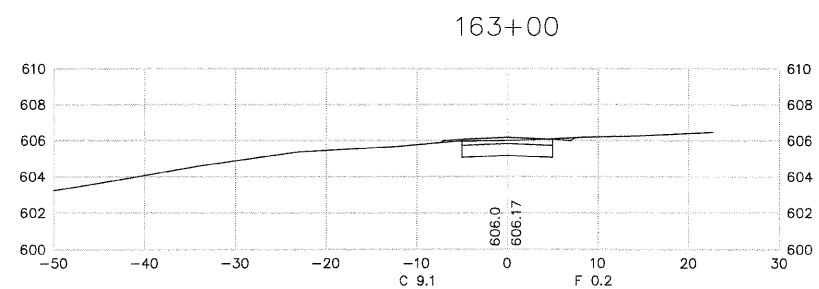
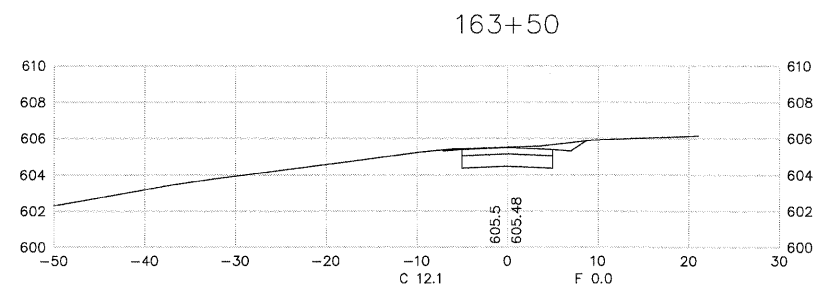
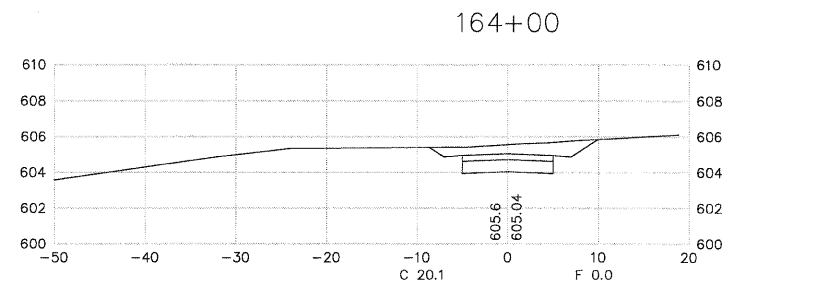
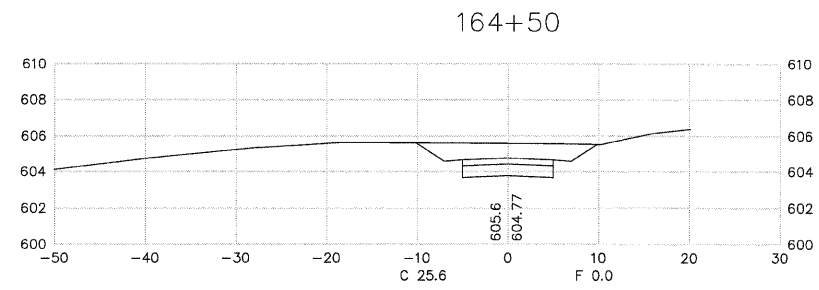
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

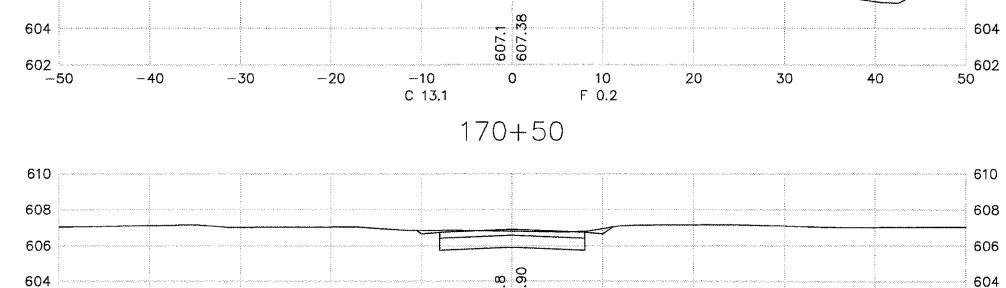
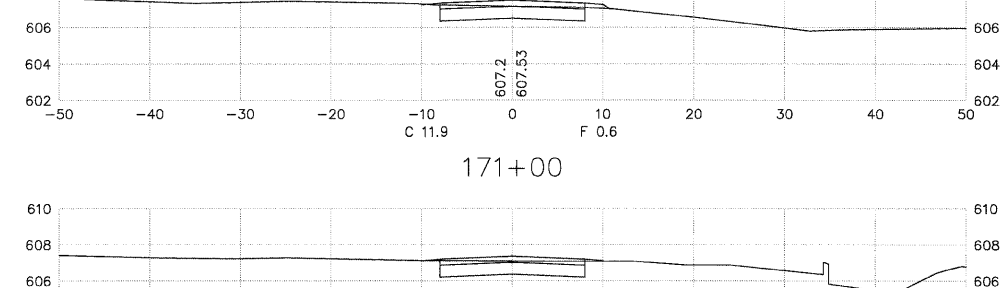
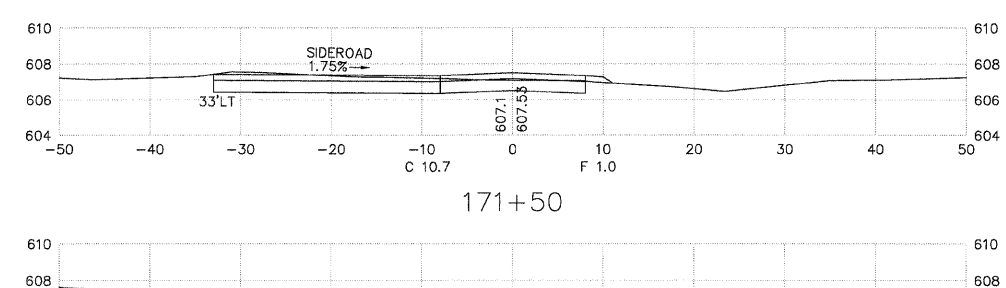
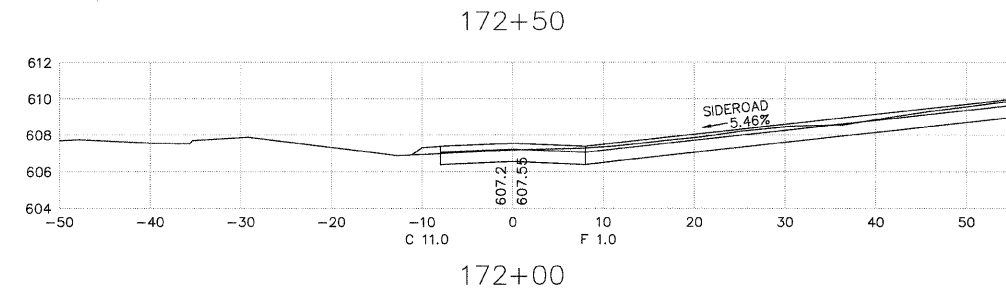
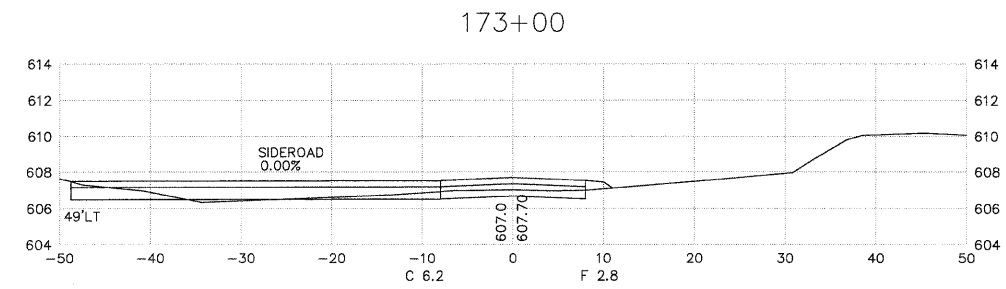
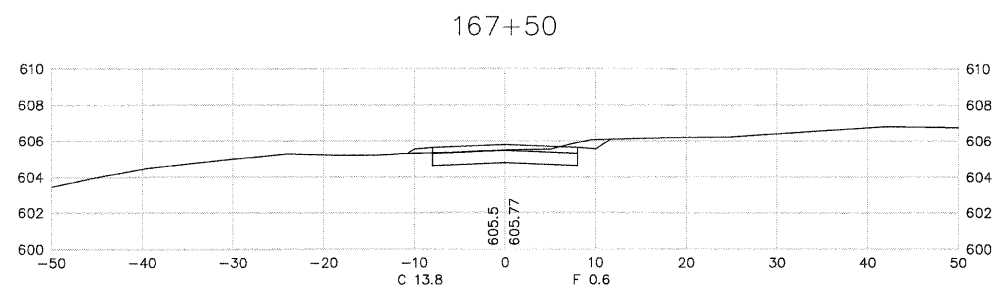
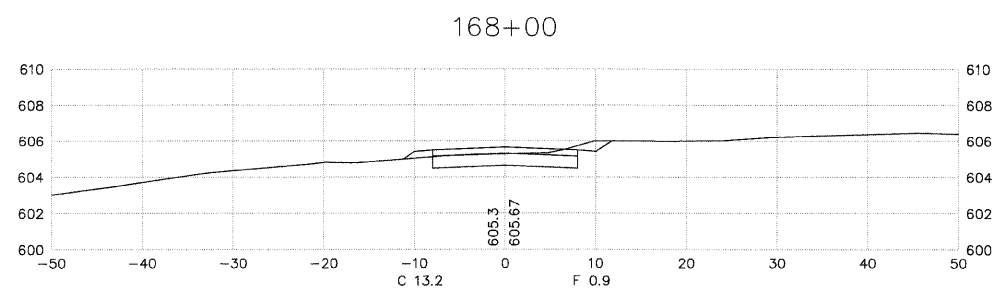
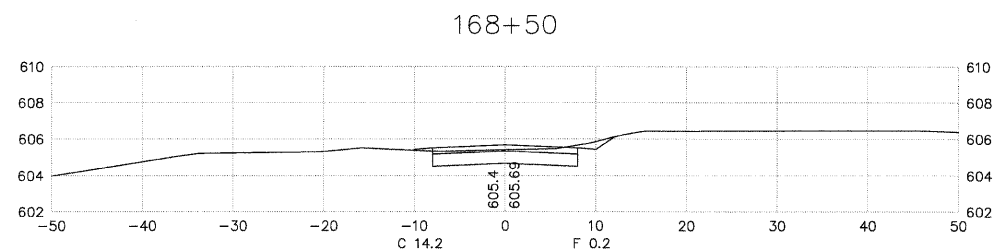
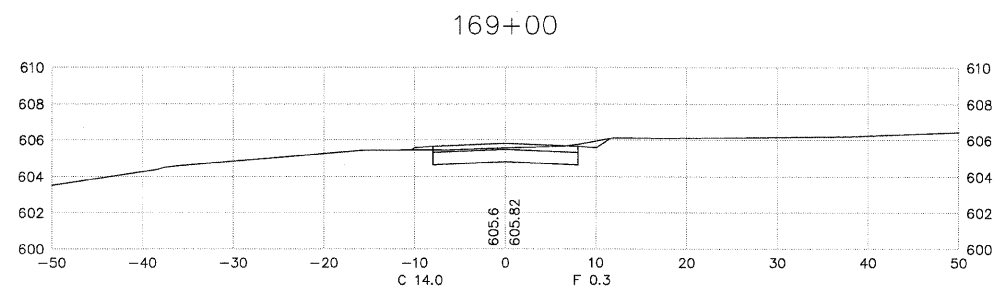
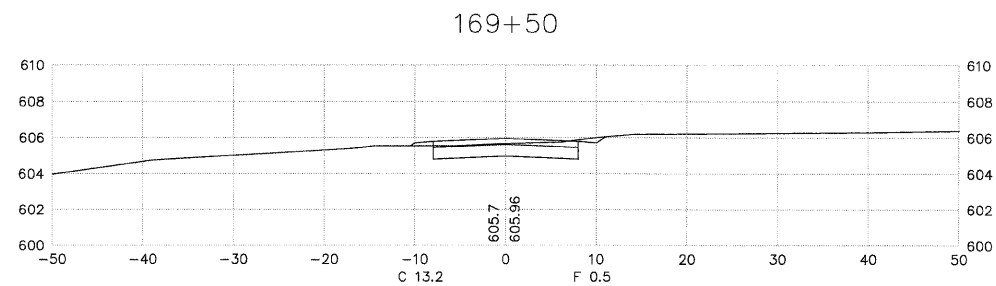
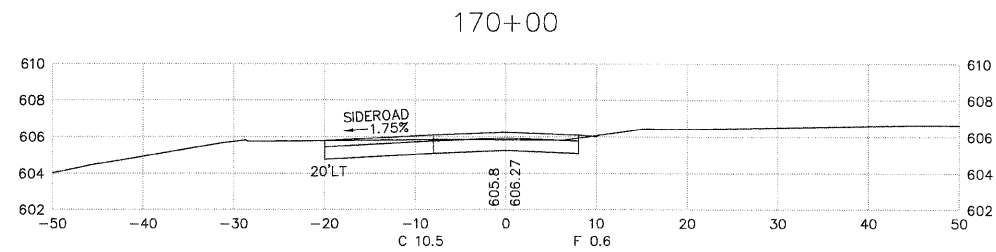
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	48
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0008800

NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	49
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

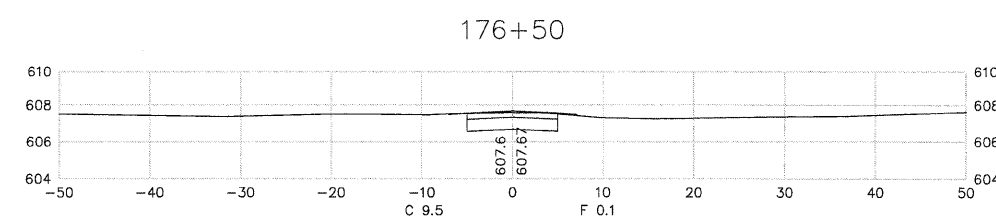
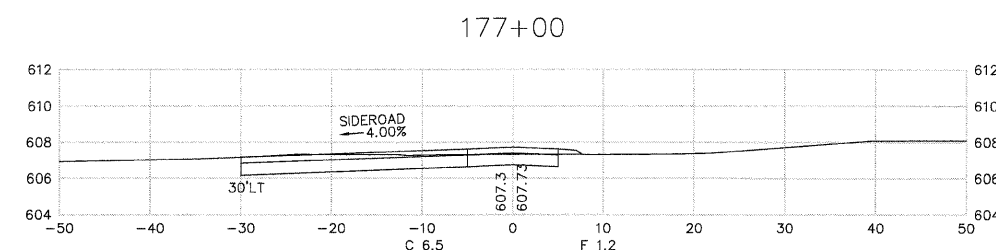
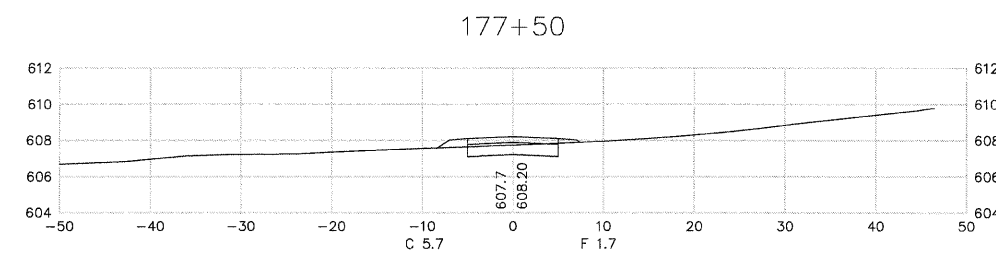
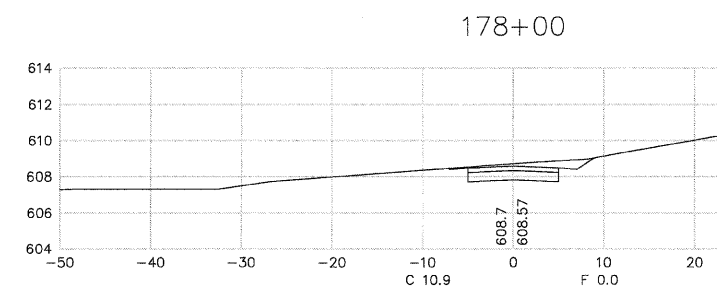
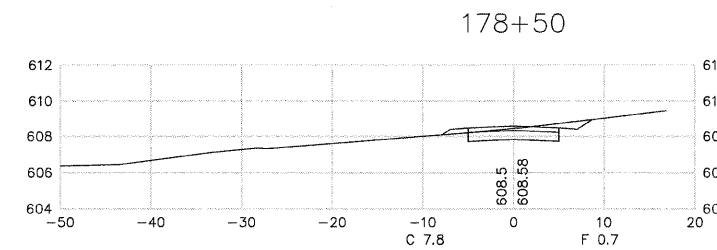
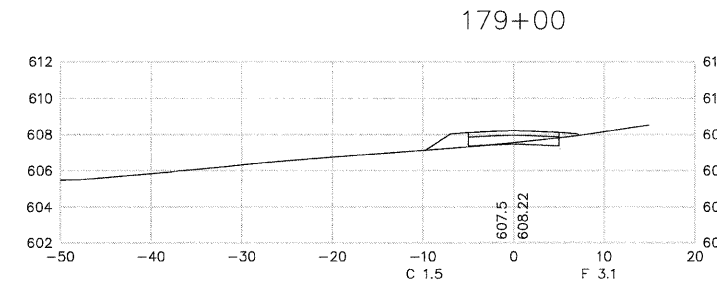
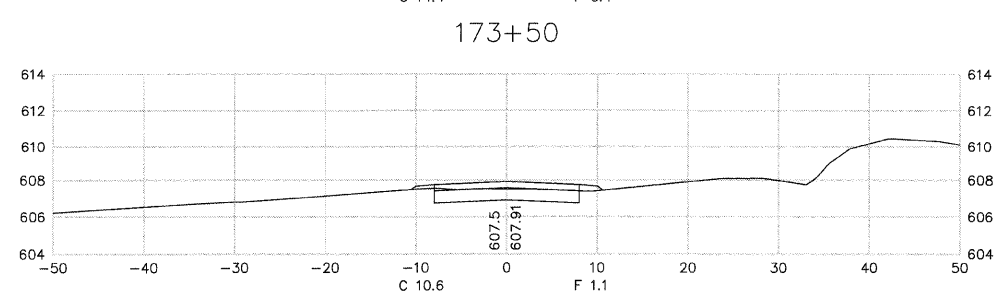
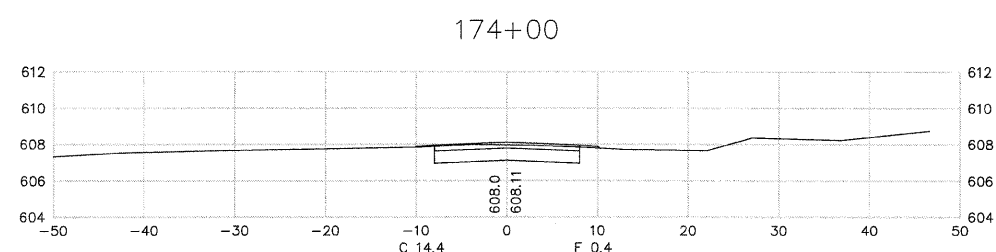
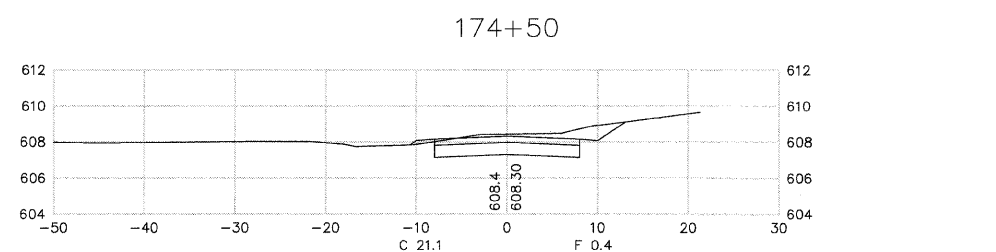
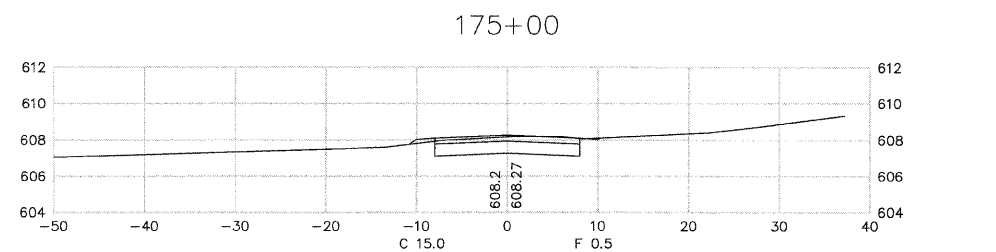
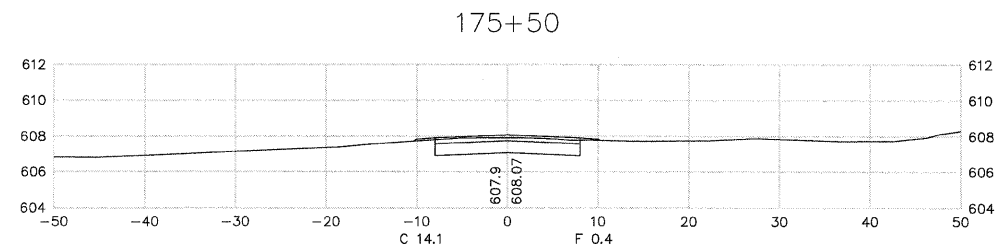
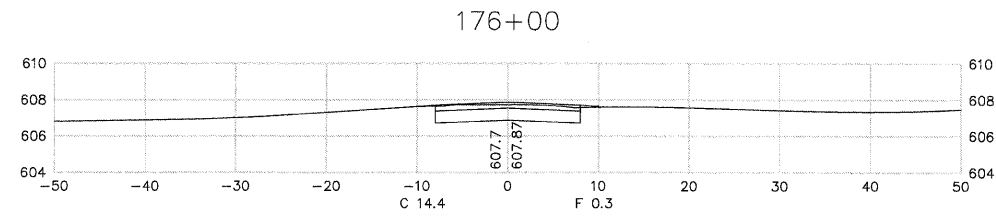


NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS
OTHERWISE NOTED.

MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	50
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0005800				

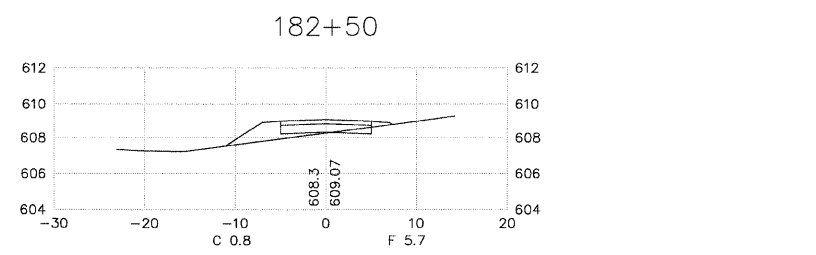
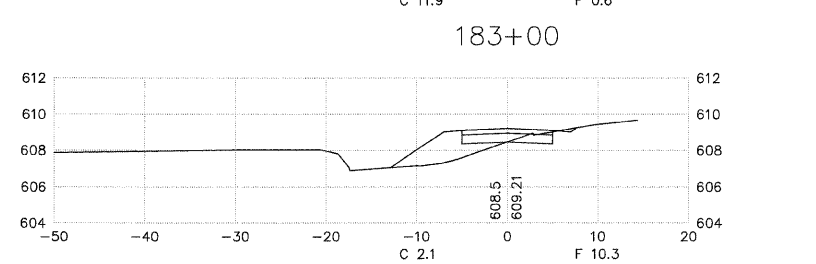
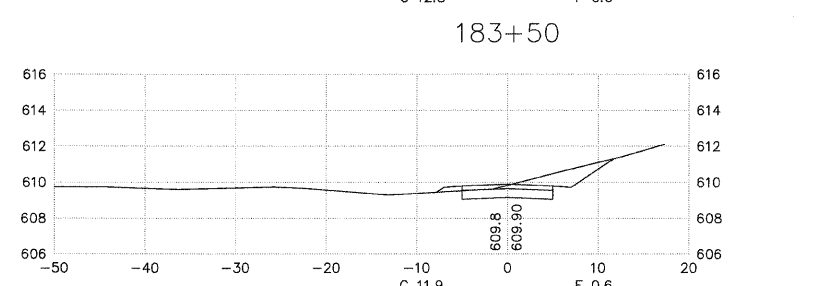
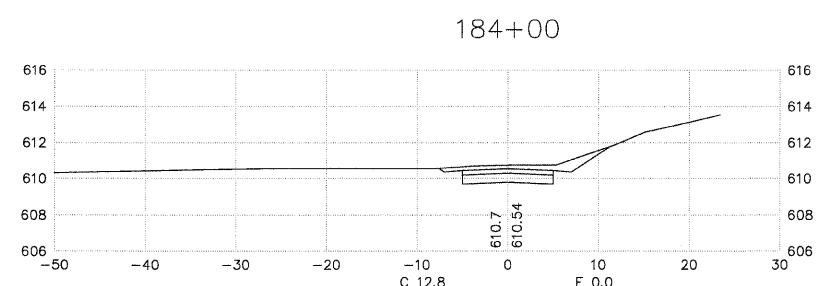
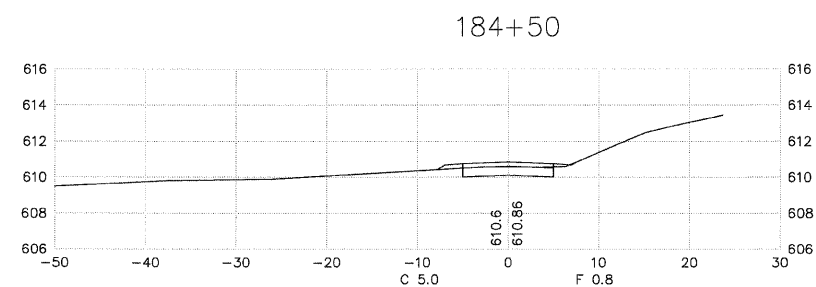
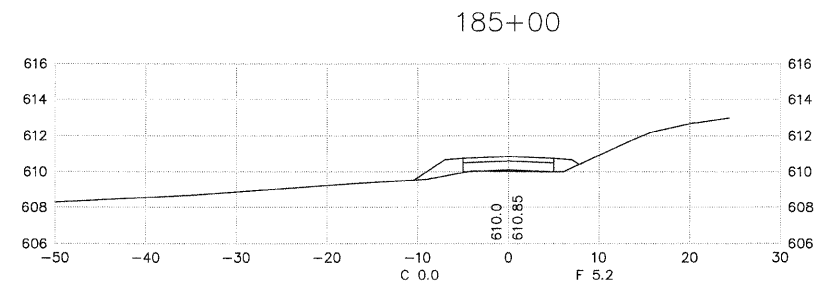
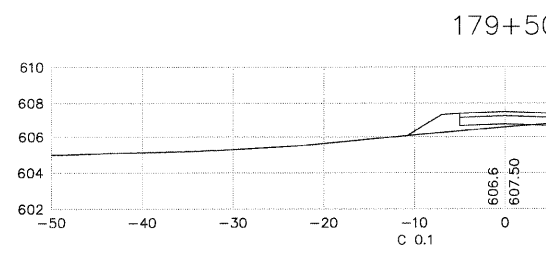
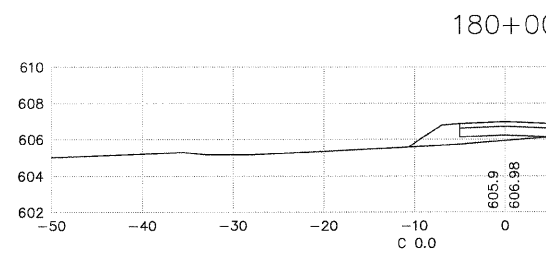
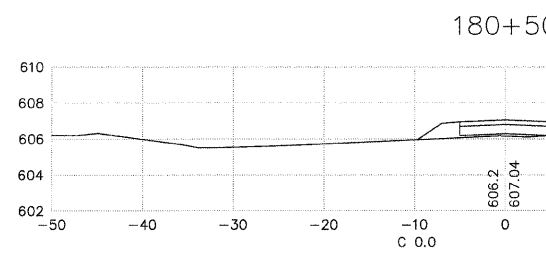
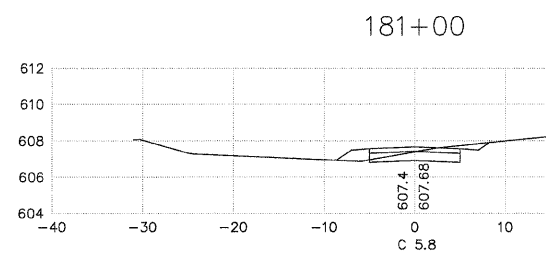
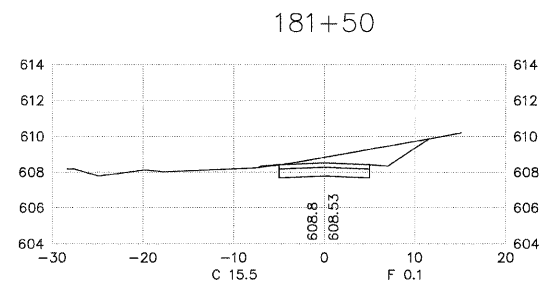
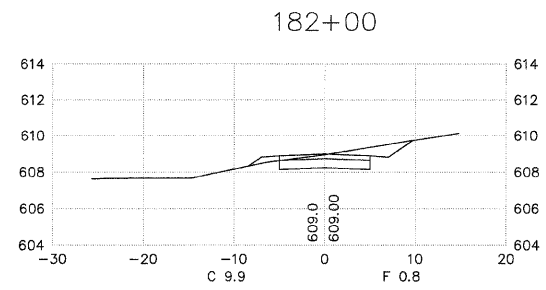
NOTE:
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MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	51
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	000800

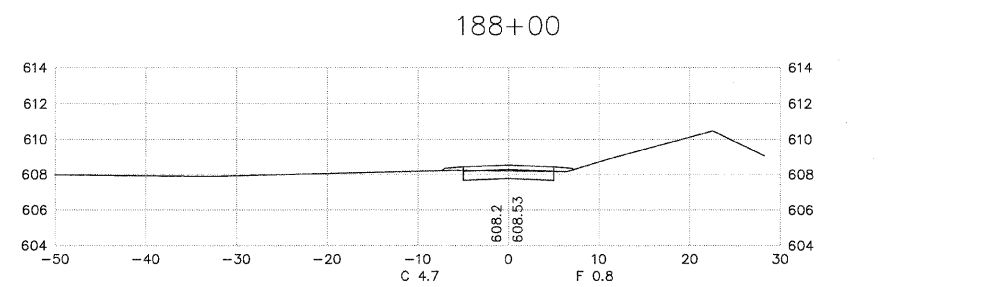
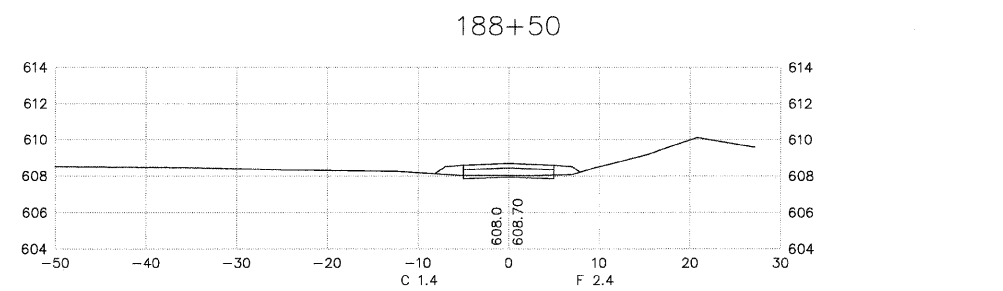
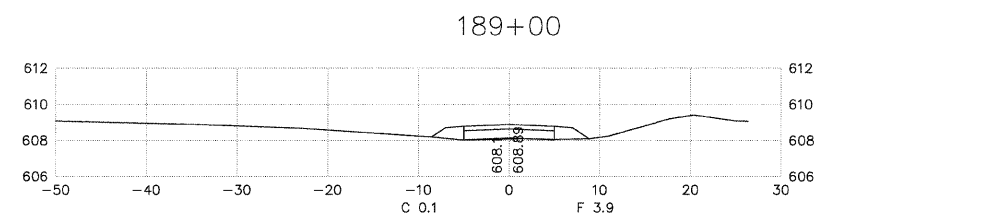
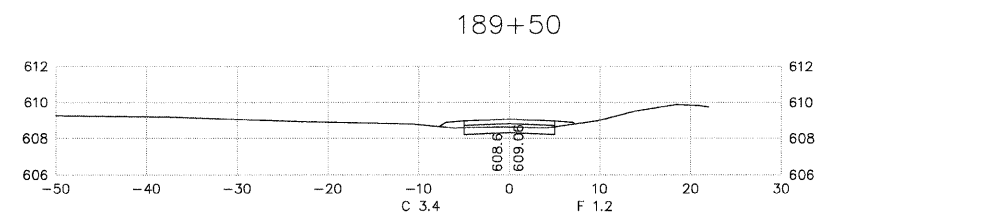
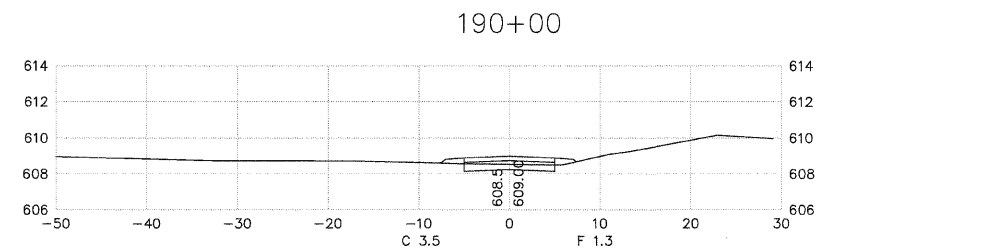
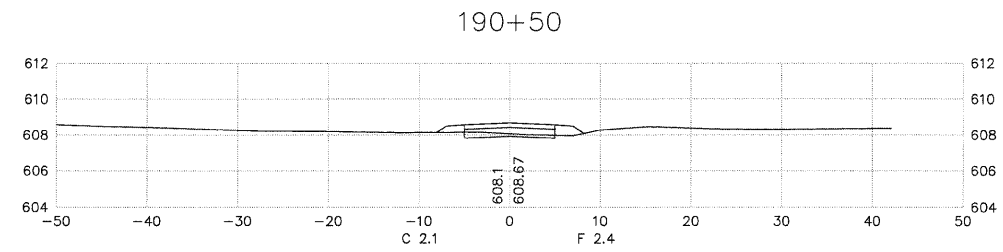
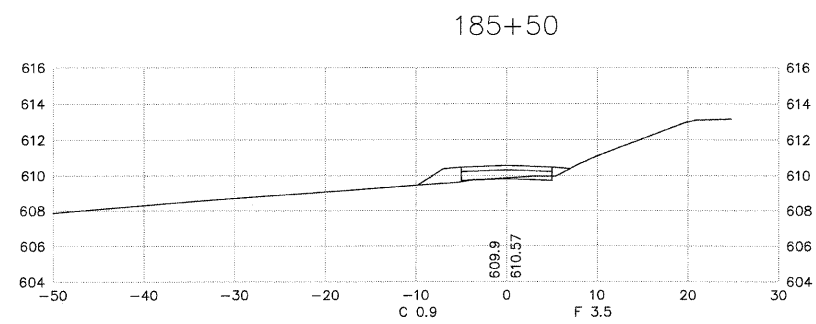
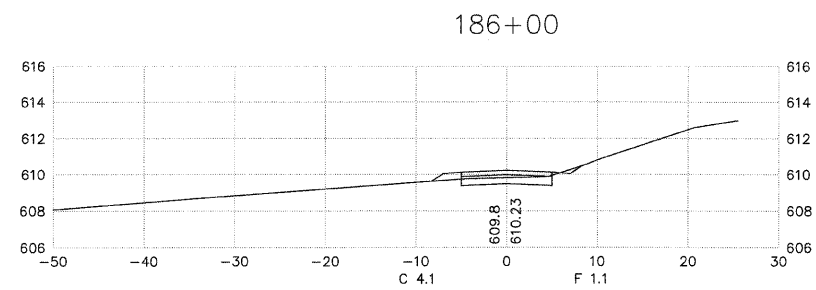
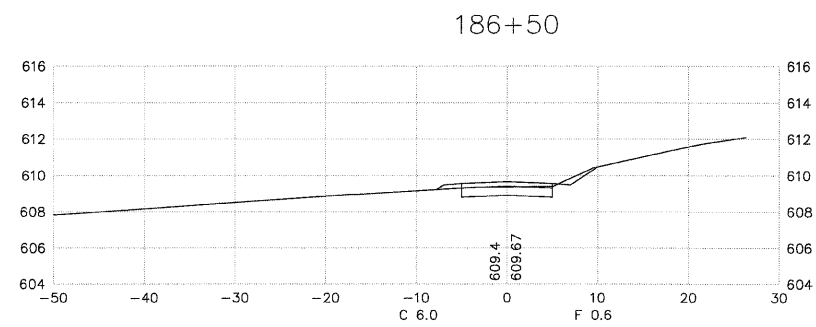
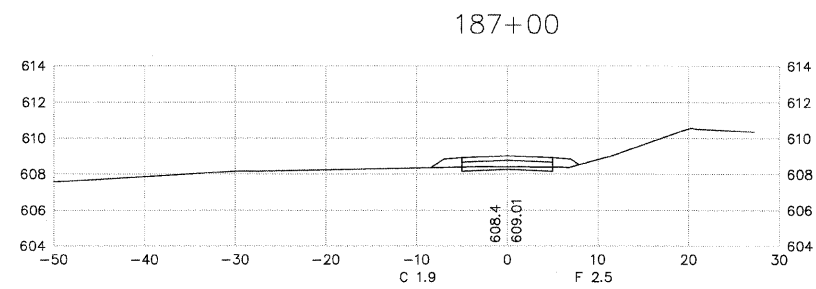
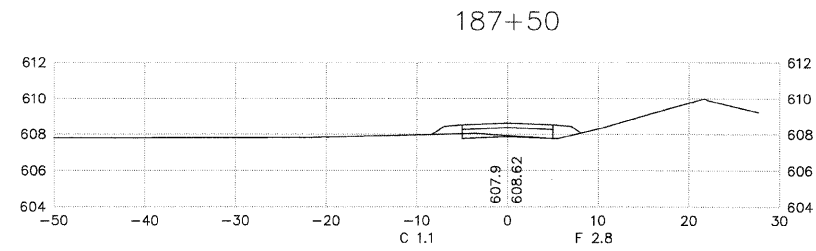
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	52
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

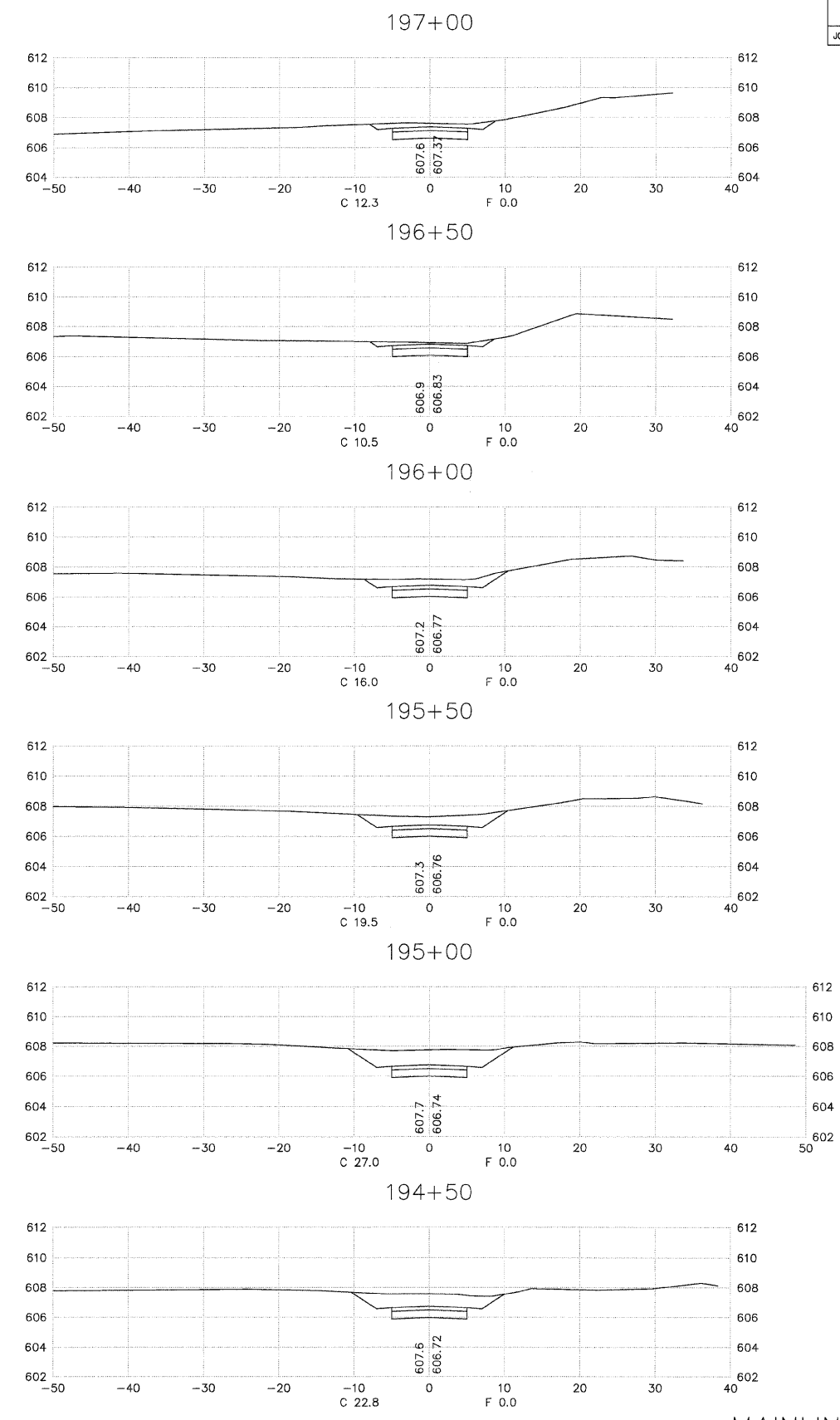
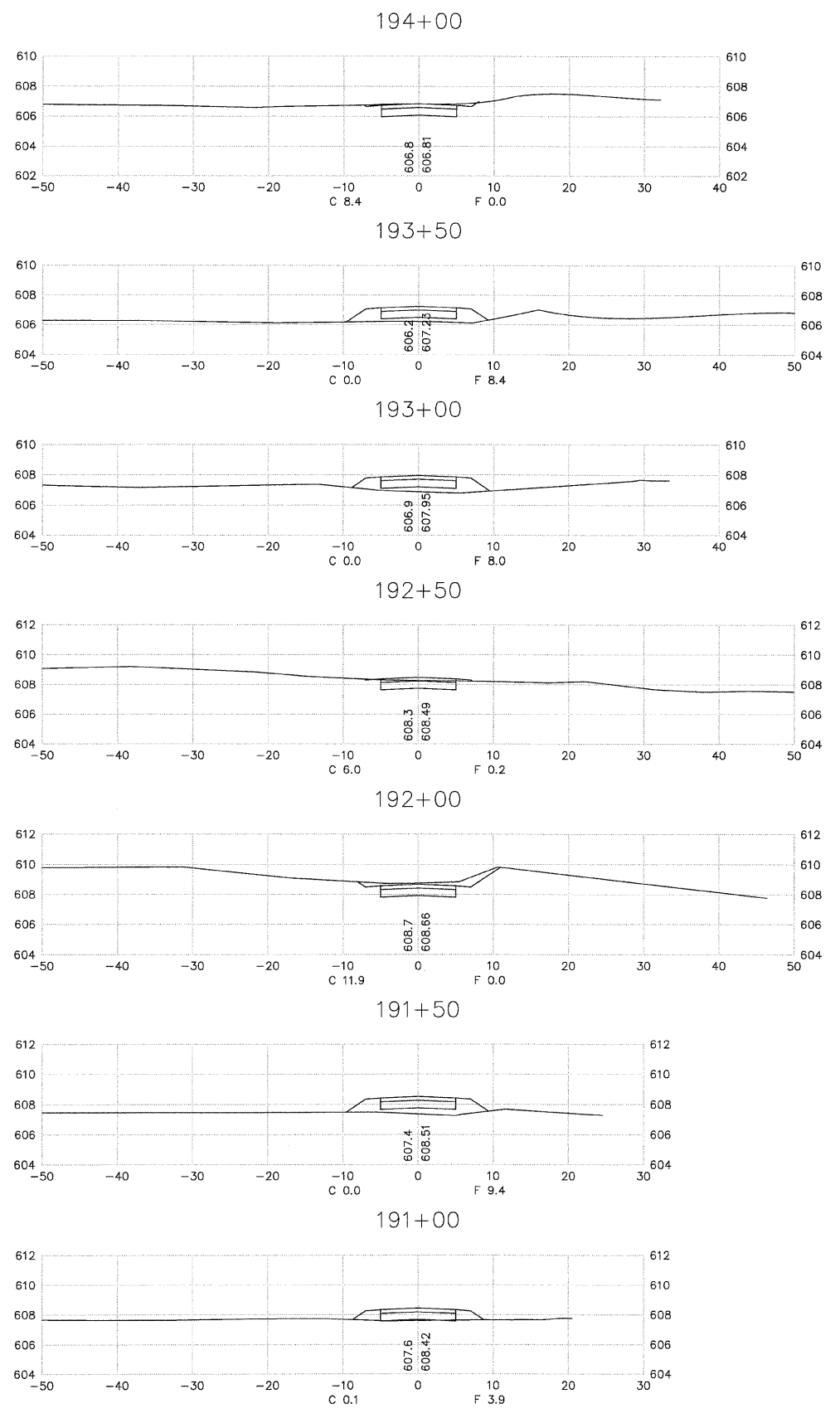
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	53
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

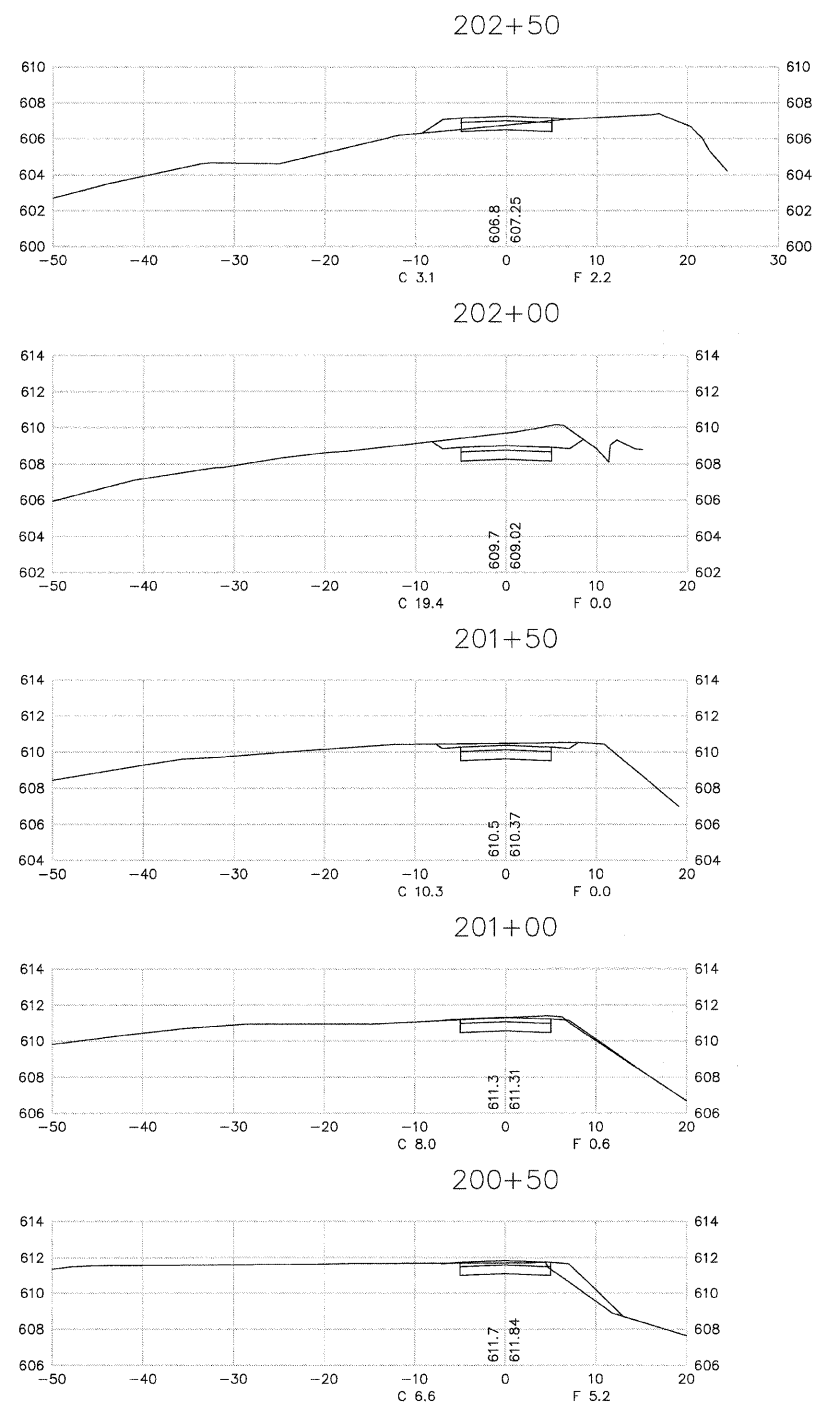
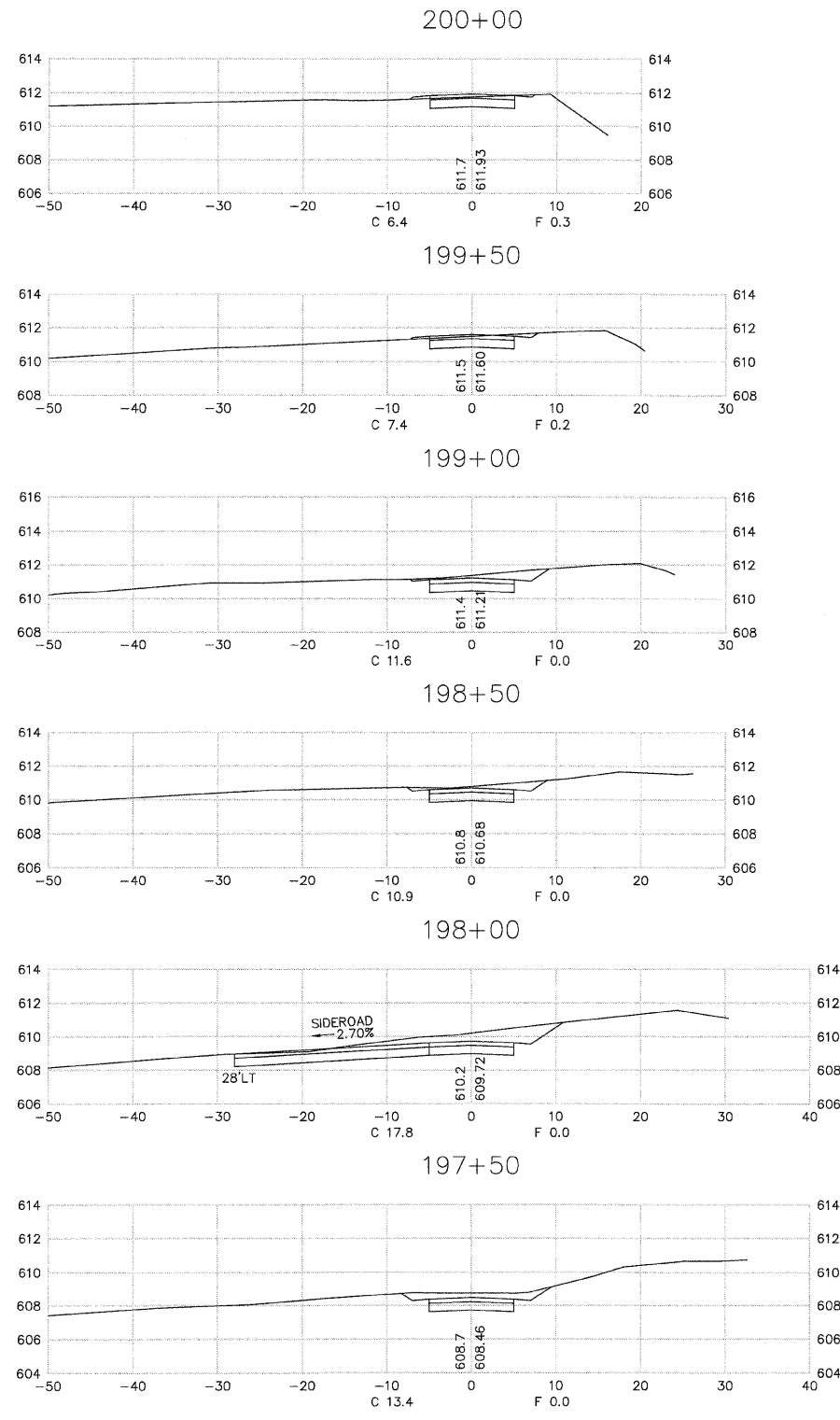
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	54
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

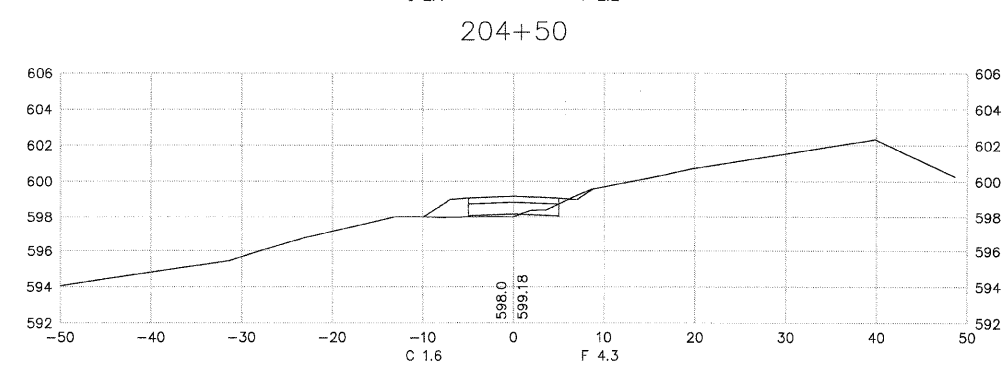
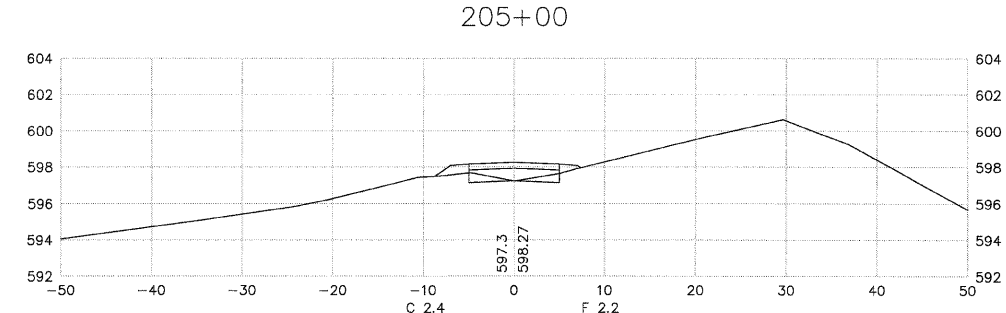
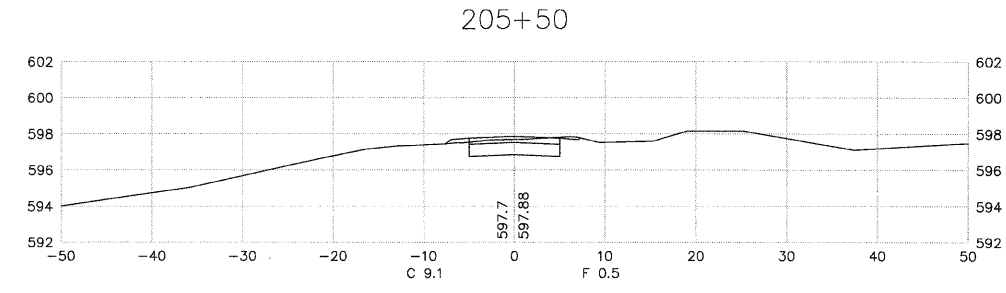
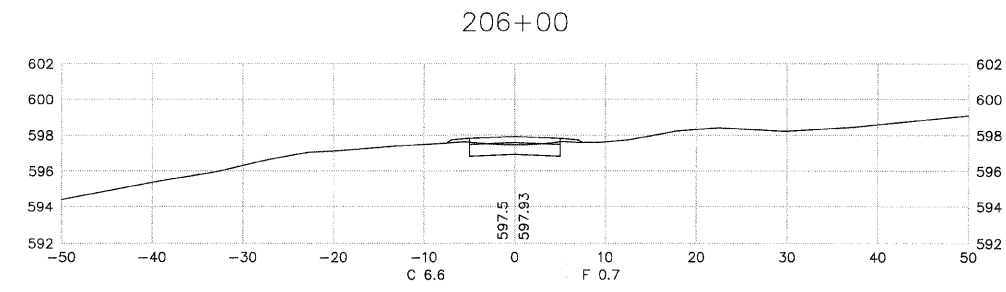
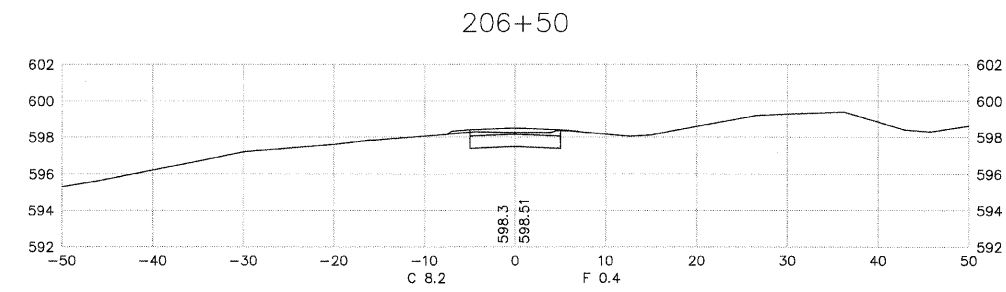
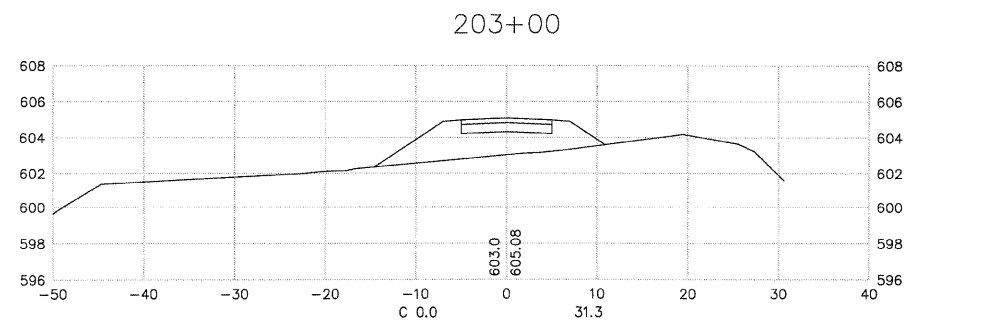
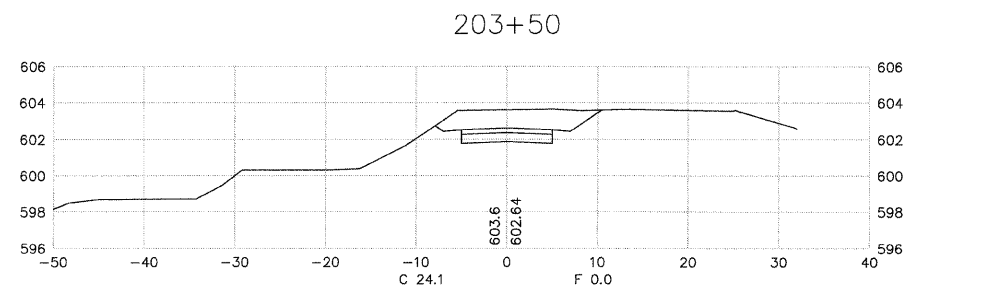
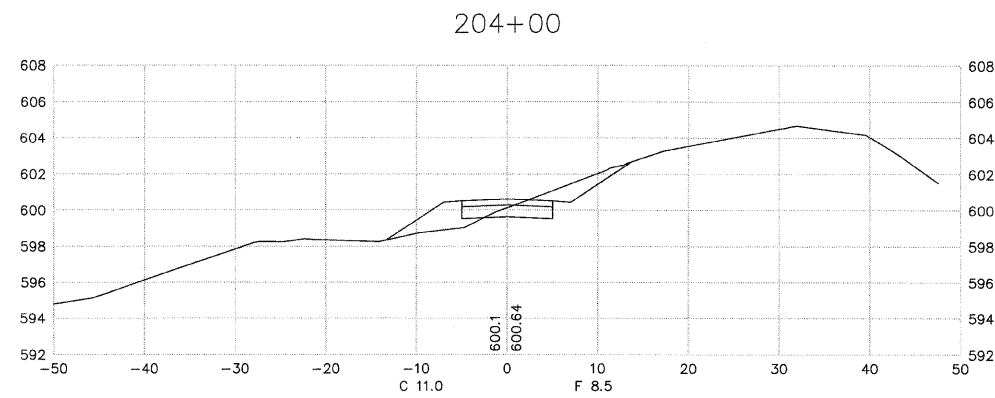
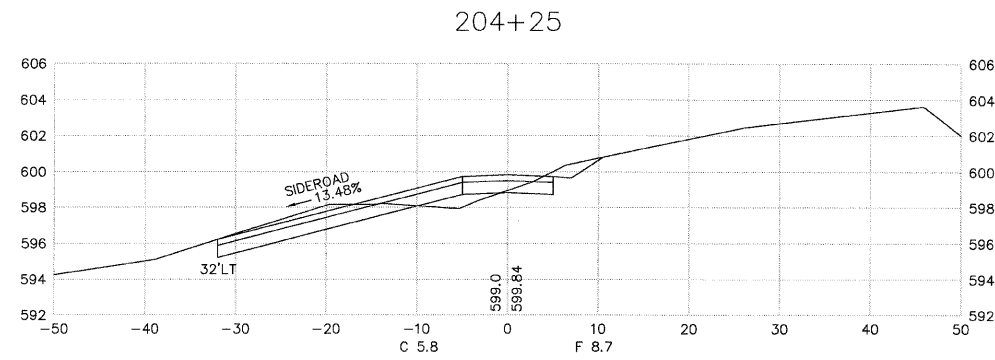
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	55
JOB # C-30-043-08		ILLINOIS	FED. AID PROJECT	0005800

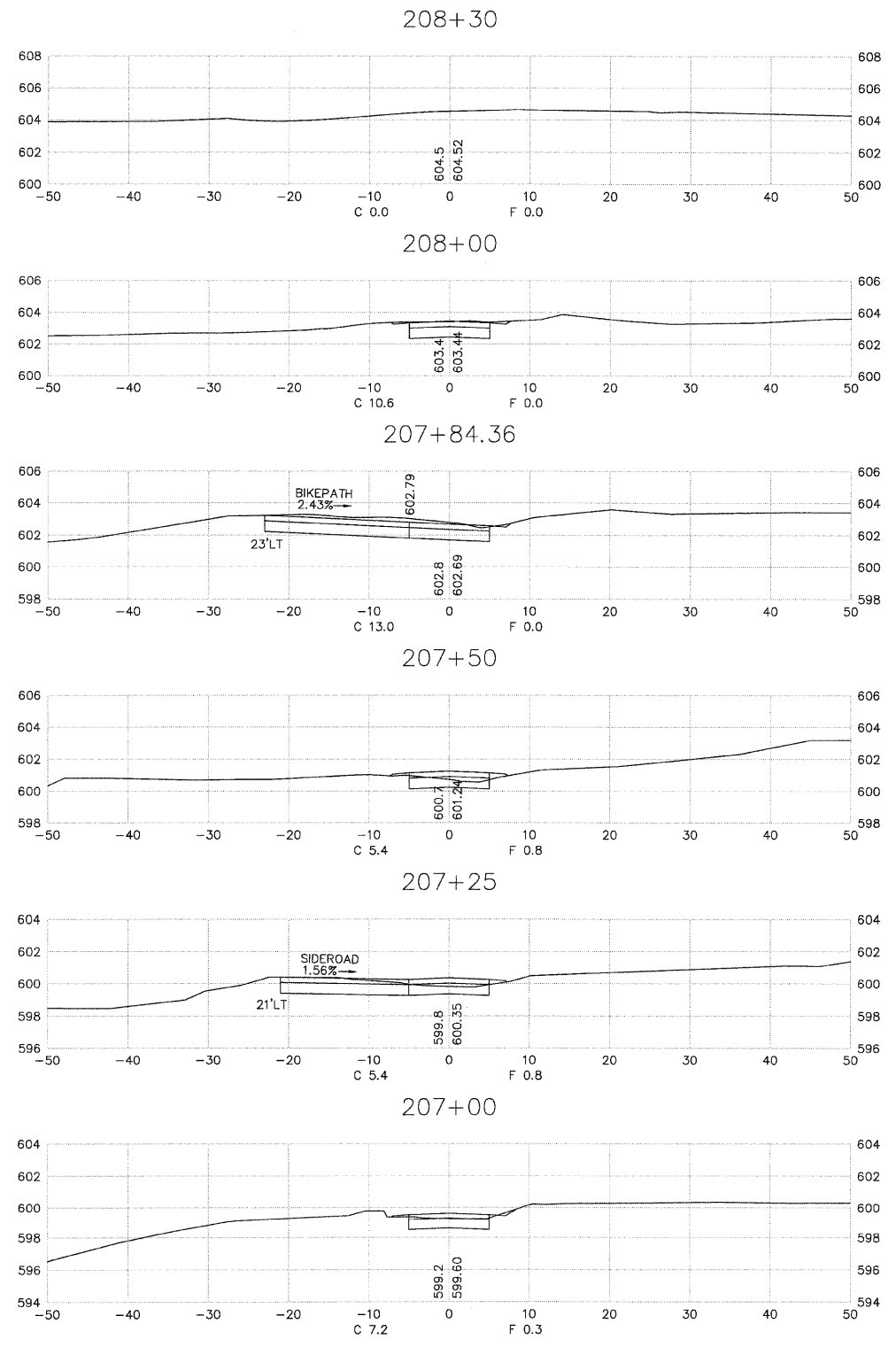
NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

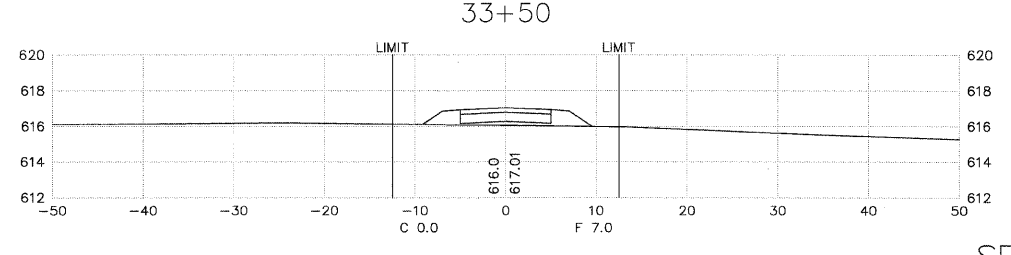
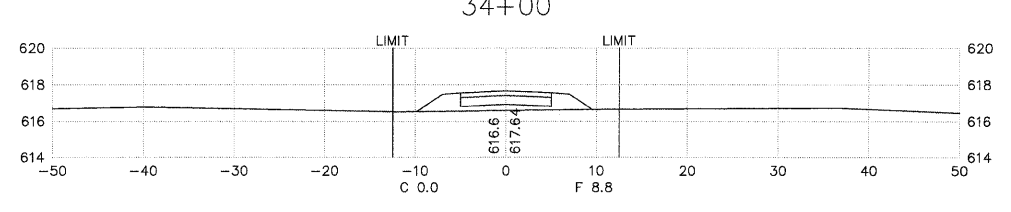
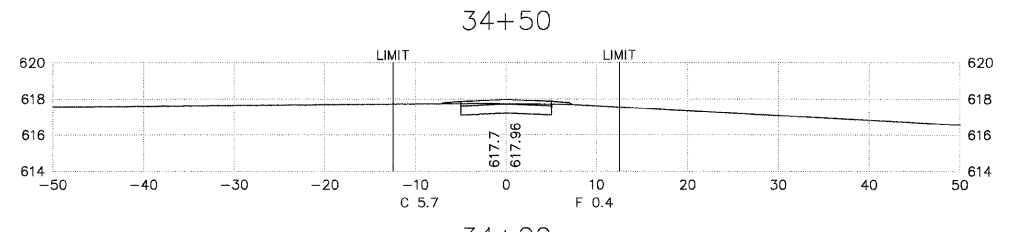
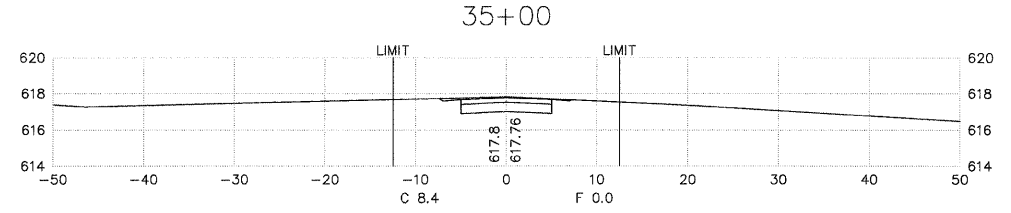
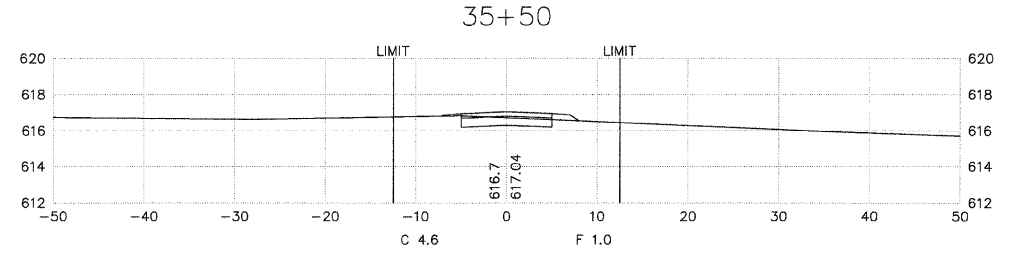
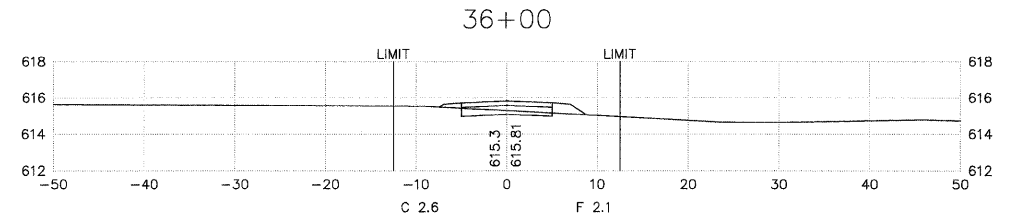
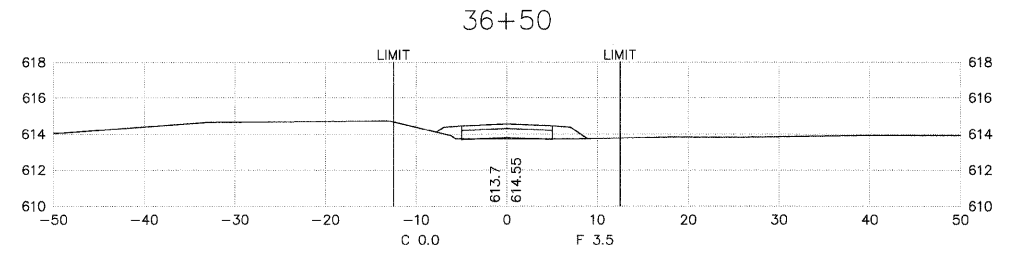
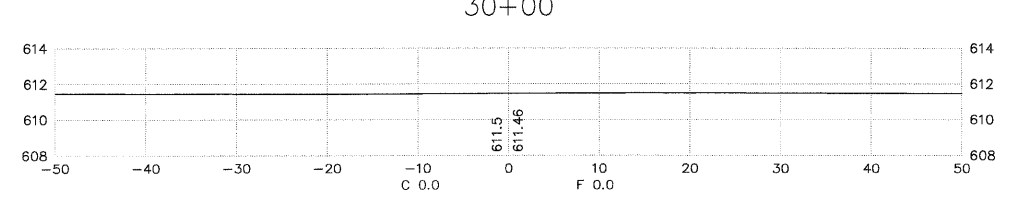
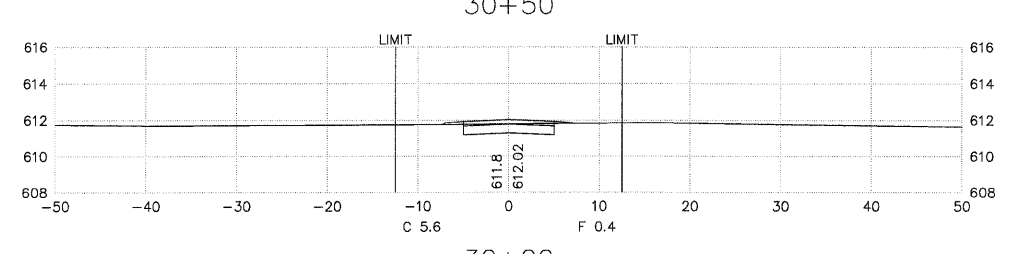
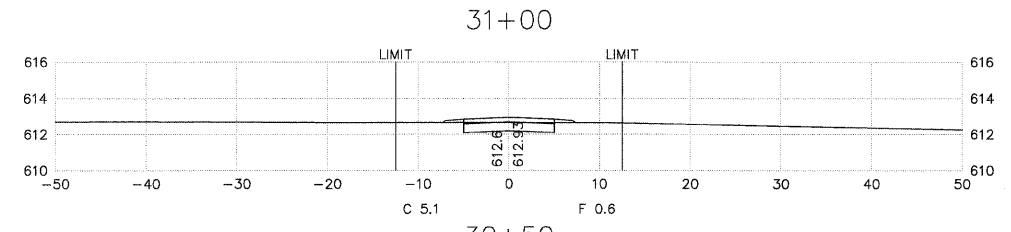
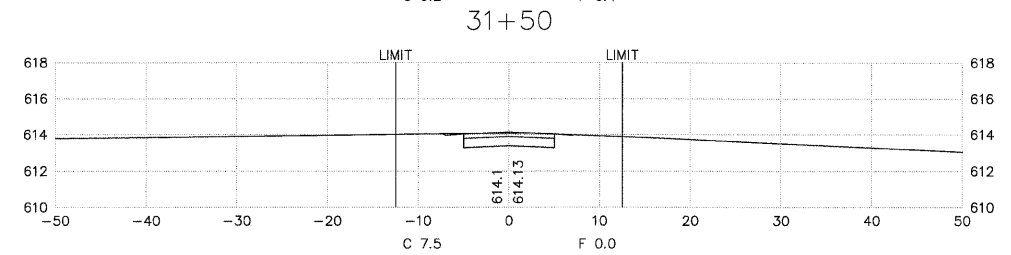
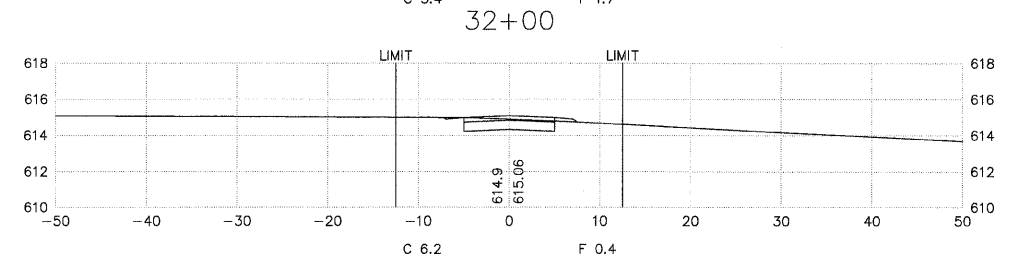
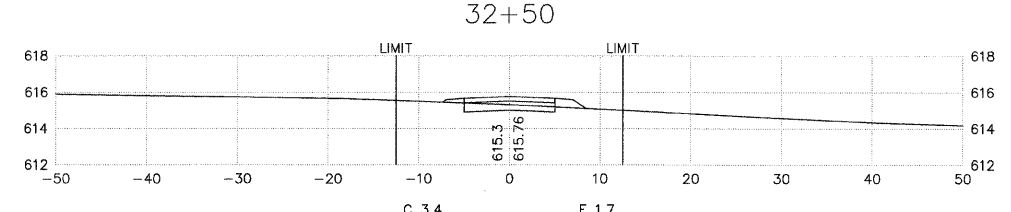
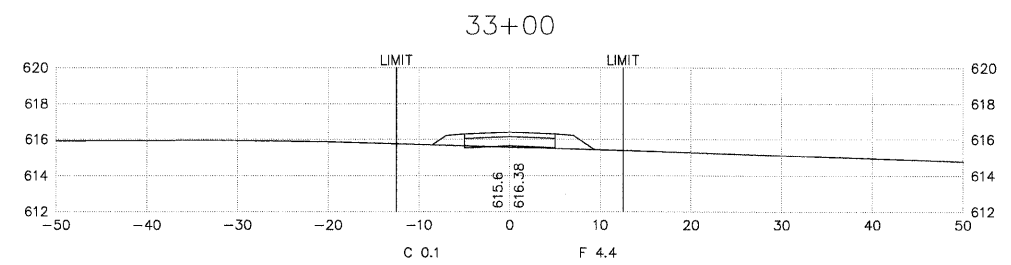
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	56
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



MAINLINE CROSS SECTIONS

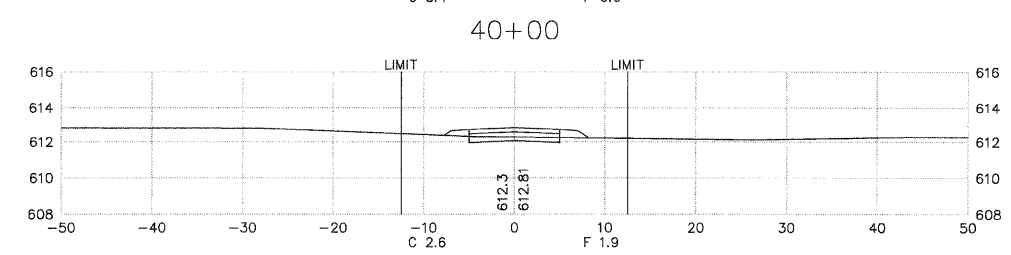
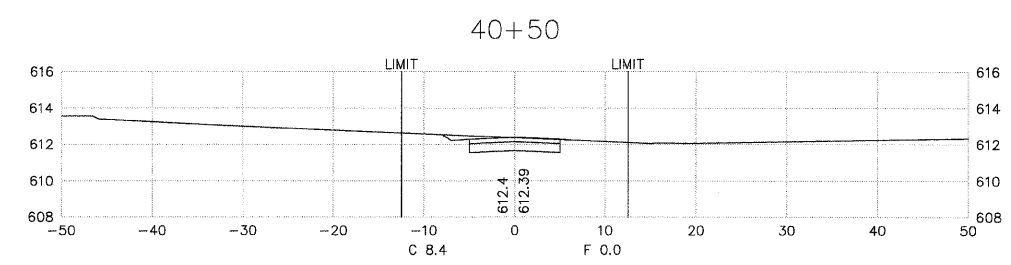
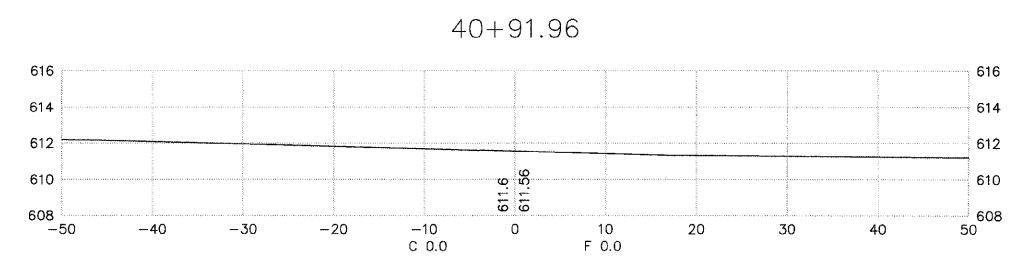
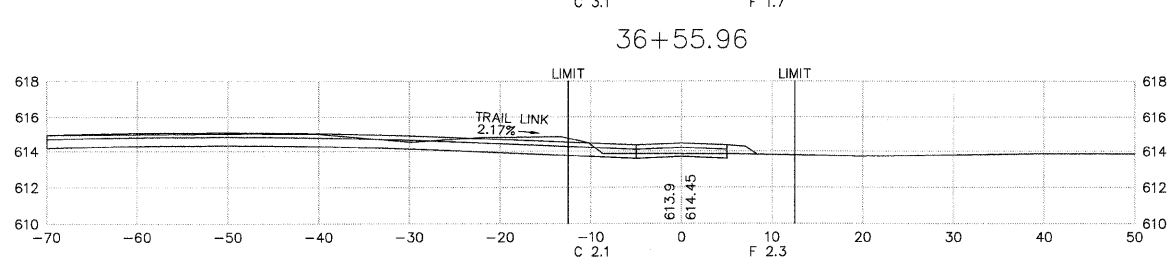
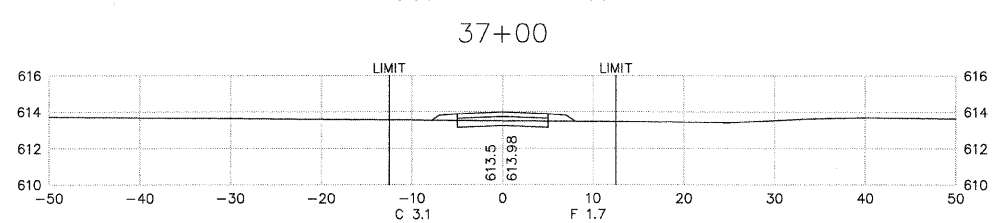
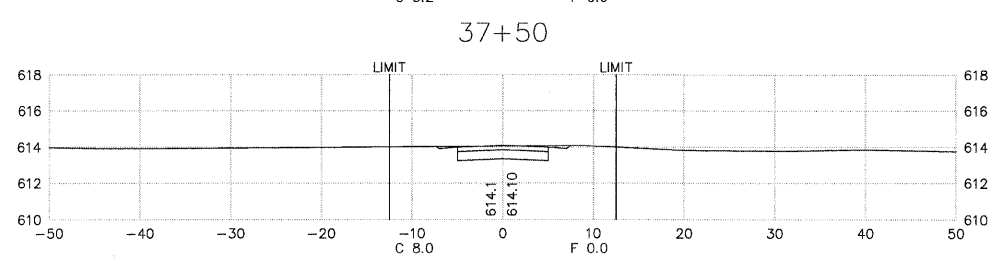
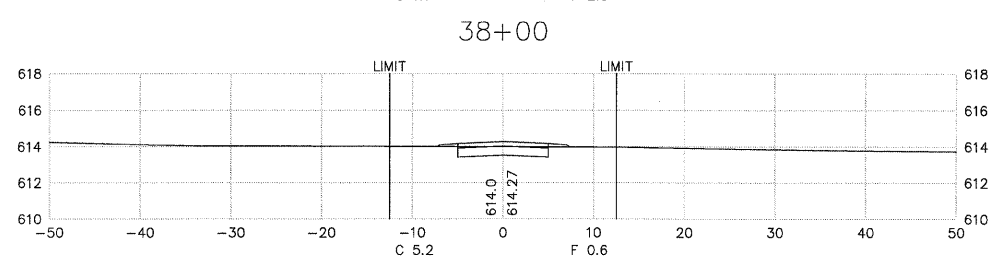
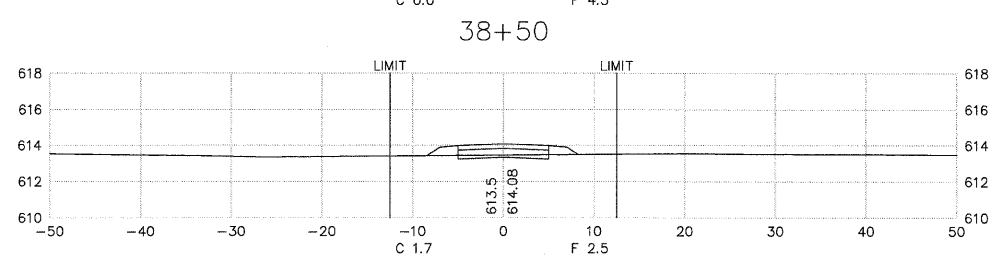
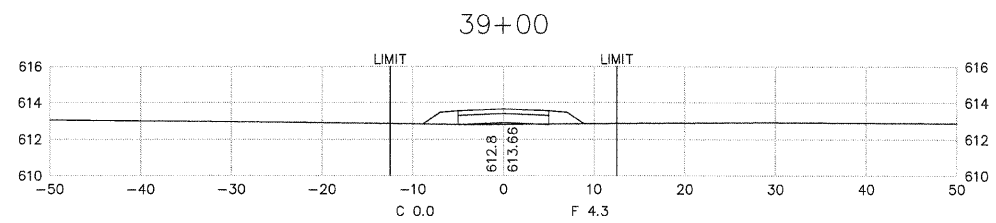
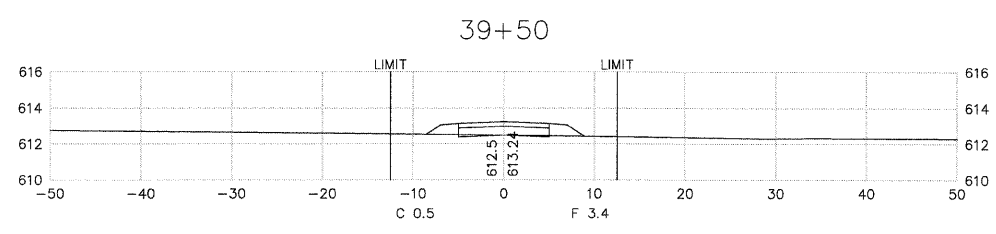
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	57
JOB # C-30-043-09 ILLINOIS FED. AID PROJECT 0008800				



NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CARROLL	58	58
JOB # C-30-043-09		ILLINOIS	FED. AID PROJECT	0005800

NOTE:
ALL FORESLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.



SPUR CROSS SECTIONS