INDEX OF SHEETS

GENERAL NOTES:

1. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
   - CHARTER COMMUNICATIONS
   - CITY OF COLUMBIA (WATER & SANITARY SEWER)
   - HARRISONVILLE TELEPHONE CO.
   - ILLINOIS AMERICAN WATER CO.
   - AMERENIP (GAS & ELECTRIC)

   MEMBERS OF J.U.L.I.E. (800) 892-0123 OR 811 ARE INDICATED BY AN *.
   NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

4. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT AND ALL INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE, 48".

5. IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

6. A QUANTITY OF 2325 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6 INCH" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.

7. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

8. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.

9. COORDINATION WITH THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE ANY TRENCHING SHALL BE DONE TO LOCATE HIGHWAY LIGHTING/ PUMP STATION/ INTELLIGENT TRANSPORTATION SYSTEM FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.

10. ALL DROP-OFFS AT THE EDGE OF PAVEMENT SHALL BE PROTECTED BY EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTS. △1

COMMITMENTS

NONE

HIGHWAY STANDARDS

000001-05	602301-02	630301-05	701301-03	701411-06
280001-05	604051-03	631031-08	701306-02	701431-05
420401-08	606001-04	635006-03	701311-03	701456
442101-07	606301-04	635011-02	701321-10	701901-01
515001-03	630001-08	701201-03	701326-03	704001-06
542301-02	631011-06	701206-02	701336-05	780001-02
				781001-03

△1 Rev. 2-11-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS

SCALE: | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	2
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

URBAN

CODE NO	ITEM	UNIT	80% FEDERAL 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE X271-2A	CONSTRUCTION TYPE CODE I000-2A	
20200100	EARTH EXCAVATION	CU YD	325	310	15	
20400800	FURNISHED EXCAVATION	CU YD	1315	1225	90	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	139	139		
25000200	SEEDING, CLASS 2	ACRE	1.25	0.75	0.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	112	67	45	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	112	67	45	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	112	67	45	
25100115	MULCH, METHOD 2	ACRE	1.25	0.75	0.5	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	125	75	50	
28000305	TEMPORARY DITCH CHECKS	FOOT	100	100		
28000400	PERIMETER EROSION BARRIER	FOOT	1990	1477	513	
28100105	STONE RIPRAP, CLASS A3	SQ YD	62	62		
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	880	880		
35501328	HOT-MIX ASPHALT BASE COURSE, 11"	SQ YD	5770	5770		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	4	0.7	3.3	
40600300	AGGREGATE (PRIME COAT)	TON	20	3	17	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	600		600	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	156	89	67	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	490		490	
40600990	TEMPORARY RAMP	SQ YD	72	72		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1820	1820		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1100	305	795	
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.2		0.2	
40800030	AGGREGATE (PRIME COAT)	TON	1		1	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	80		80	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	74	74		
44000100	PAVEMENT REMOVAL	SQ YD	840	840		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4360	2720	1640	
44003100	MEDIAN REMOVAL	SQ FT	10900	6800	4100	
44004000	PAVED DITCH REMOVAL	FOOT	35	35		
44004250	PAVED SHOULDER REMOVAL	SQ YD	1770	1770		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	213		213	△
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	37		37	

SUMMARY OF QUANTITIES

URBAN

CODE NO	ITEM	UNIT	80% FEDERAL 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE X271-2A	CONSTRUCTION TYPE CODE I000-2A	
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	45		45	
44213100	PAVEMENT FABRIC	SQ YD	60		60	
44213200	SAW CUTS	FOOT	1261		1261	△
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	30		30	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1725	1035	690	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		
50105220	PIPE CULVERT REMOVAL	FOOT	32	32		
50157300	PROTECTIVE SHIELD	SQ YD	1018	1018		
50200100	STRUCTURE EXCAVATION	CU YD	157	157		
* 50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	349	349		
50300225	CONCRETE STRUCTURES	CU YD	543	543		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	539	539		
50300260	BRIDGE DECK GROOVING	SQ YD	1022	1022		
50300280	CONCRETE ENCASEMENT	CU YD	7	7		
50300300	PROTECTIVE COAT	SQ YD	1377	1377		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1		
50500505	STUD SHEAR CONNECTORS	EACH	6960	6960		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	202020	202020		
50800515	BAR SPLICERS	EACH	303	303		
51100100	SLOPE WALL 4 INCH	SQ YD	494	494		
51201600	FURNISHING STEEL PILES HP12X53	FOOT	513	513		
51202305	DRIVING PILES	FOOT	513	513		
51203600	TEST PILE STEEL HP12X53	EACH	1	1		
51204650	PILE SHOES	EACH	20	20		
51205200	TEMPORARY SHEET PILING	SQ FT	163	163		
51500100	NAME PLATES	EACH	1	1		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	115	115		
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	16	16		
52100540	ANCHOR BOLTS, 1 1/2"	EACH	32	32		
52100560	ANCHOR BOLTS, 2"	EACH	16	16		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	34	34		△

*Specialty Items

△ Rev. 2-11-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	3
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN 80% FEDERAL 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE X271-2A	CONSTRUCTION TYPE CODE I000-2A	
58700300	CONCRETE SEALER	SQ FT	1531	1531		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	274	274		
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	247	247		
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1		
60260100	INLETS TO BE ADJUSTED	EACH	8	4	4	
60404800	FRAMES AND GRATES, TYPE 11	EACH	8	4	4	
60500060	REMOVING INLETS	EACH	1	1		
60605600	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06	FOOT	4300	2660	1640	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	10,745	6645 △1	4100	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	525	525		
* 63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	3850		3850	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	2	1	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	5	3	
63200310	GUARDRAIL REMOVAL	FOOT	5109	1091	4018	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	20	20		
67100100	MOBILIZATION	L SUM	1	1		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1	
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1		1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1		1	
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1		1	
70101200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701431 (SPECIAL)	EACH	1	1		
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1		
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CALDA	30		30 △1	
70106600	TEMPORARY BRIDGE TRAFFIC SIGNALS (STATE FURNISHED CONTROLLER)	EACH	1	1		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN 80% FEDERAL 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE X271-2A	CONSTRUCTION TYPE CODE I000-2A	CONSTRUCTION TYPE CODE Y030-1E △1
70106700	TEMPORARY RUMBLE STRIP	EACH	6	6		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	30	30		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	950	417	533	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14846	5941	8905	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2325	2325		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5265	2119	3146	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1325	1325		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1000	1000		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13840	4935	8905	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1805	380	1425	
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1006	1006		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	61	61		
* 78200300	PRISMATIC CURB REFLECTOR	EACH	120	80	40	
78200410	GUARDRAIL MARKERS, TYPE A	EACH	49	12	37	
78200520	BARRIER WALL MARKERS, TYPE B	EACH	6	6		
78200530	BARRIER WALL MARKERS, TYPE C	EACH	6	6		
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	5	3	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	6152	2234	3918	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	61	61		
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	2760			2760
* 81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2960			2960
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2760			2760
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	16			16
84200806	REMOVAL OF (POLE) FOUNDATION, CONCRETE	EACH	2			2
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2			2
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	207	207		
X0322400	PILE EXTRACTION	EACH	8	8		
X0502600	TEMPORARY LIGHTING	L SUM	1			1 △1
X4421000	PARTIAL DEPTH PATCHING	TON	100		100	
X4422030	PARTIAL DEPTH REMOVAL 3"	SQ YD	570		570	
X5080600	MECHANICAL SPLICERS	EACH	120	120		
X6060500	CORRUGATED MEDIAN REMOVAL	SQ FT	535		535	

*Specialty Items

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	4
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

URBAN

	CODE NO	ITEM	UNIT	80% FEDERAL 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE X271-2A	I000-2A	Y030-1E
	X7200200	WIDE LOAD SIGNING	L SUM	1	1		
*	X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	47		47	
*	X7800200	PAINT PAVEMENT MARKING CURB	FOOT	1280	720	560	
	X8161000	EXPOSE AND RELOCATE EXISTING UNIT DUCT	FOOT	100			100
	Z0017202	DOWEL BARS 1 1/2"	EACH	529		529	
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
	Z0073500	TEMPORARY SUPPORT SYSTEM	L SUM	1	1		
©	Z0076600	TRAINEES	HOUR	1,000	1,000		

CODE NO	ITEM	UNIT	80% FEDERAL 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE X271-2A	I000-2A	

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*Specialty Items

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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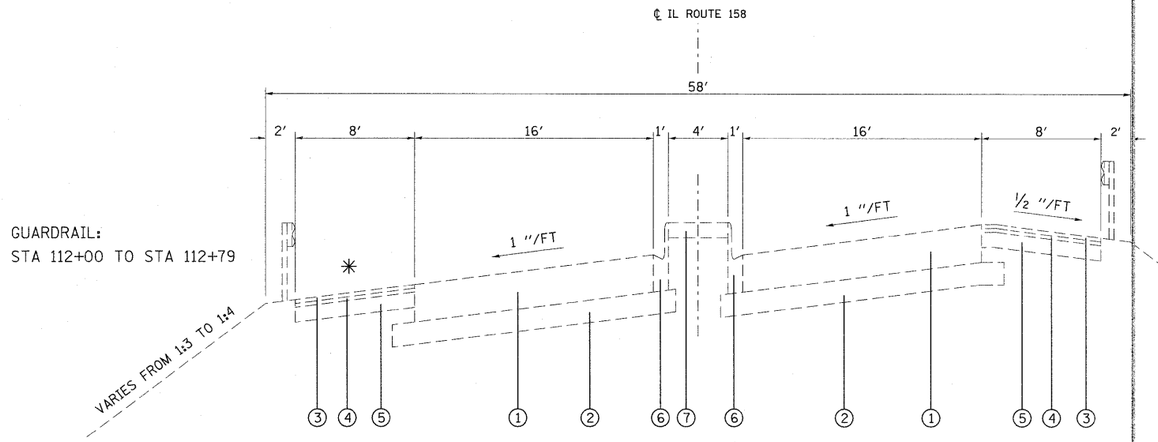
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



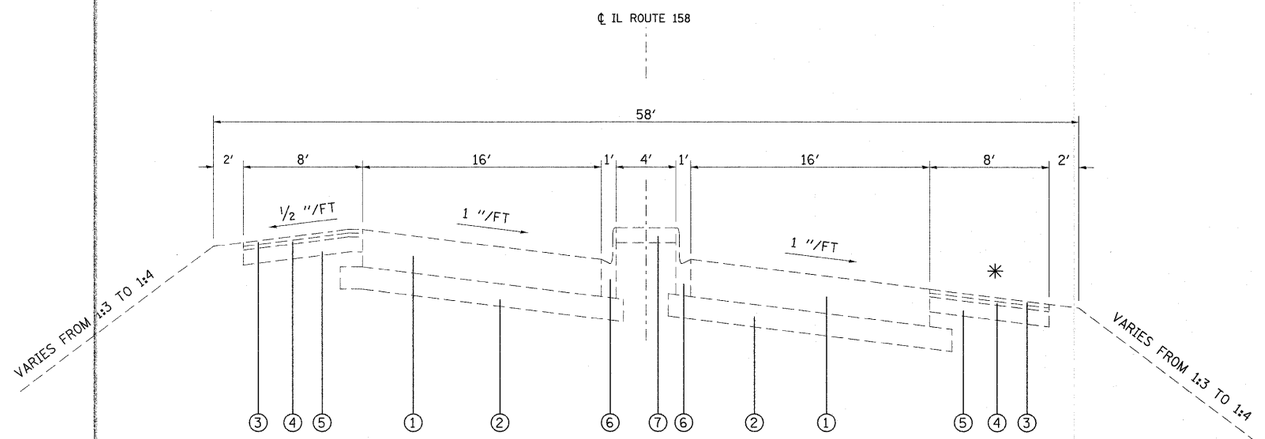
GUARDRAIL:
STA 112+00 TO STA 112+79

GUARDRAIL:
STA 109+12 TO STA 109+80
STA 112+00 TO STA 113+87

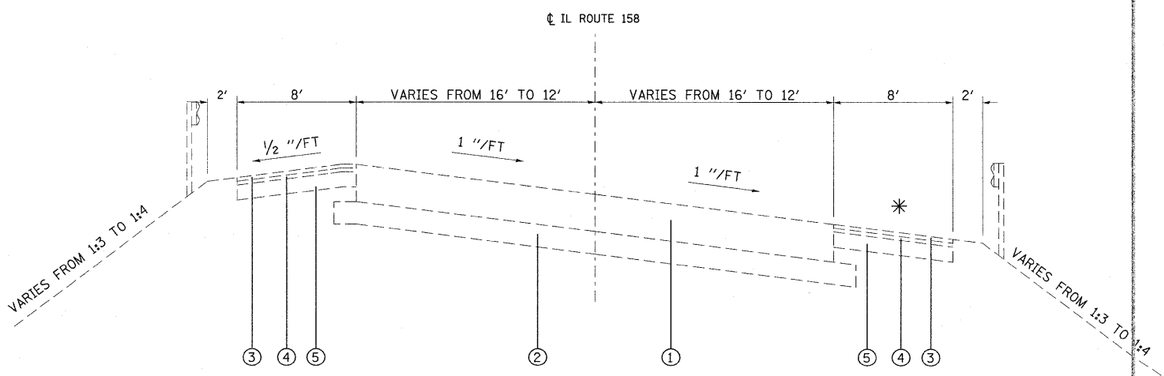
EXISTING SUPERELEVATED TYPICAL SECTION
STA 103+20 TO STA 109+80
STA 112+00 TO STA 114+80.10

LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 10"
2. EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6"
3. EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS I-11 (SHOULDERS) - 1 1/2 "
4. EXISTING BITUMINOUS CONCRETE BINDER COURSE (SHOULDERS) - 1 1/2 "
5. EXISTING STABILIZED SHOULDERS
6. EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06
7. EXISTING PORTLAND CEMENT CONCRETE MEDIAN SURFACE - 4"
8. PROPOSED HMA SURFACE COURSE - 1 1/2 "
9. PROPOSED LEVELING BINDER - 1"
10. PROPOSED HMA BINDER COURSE - VARIES FROM 1.25" TO 36.2" (1)
11. PROPOSED HMA BASE COURSE - 11"
12. PROPOSED HMA BASE COURSE - 10"
13. PROPOSED HMA SHOULDER
14. PROPOSED COMBINATION CURB AND GUTTER, TYPE B-9.06
15. PROPOSED CONCRETE MEDIAN SURFACE - 4"
16. PROPOSED GUARDRAIL
17. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
18. PROPOSED PAVED SHOULDER REMOVAL
19. PROPOSED PAVEMENT REMOVAL (AFTER STAGE CONSTRUCTION) (1)



EXISTING SUPERELEVATED TYPICAL SECTION
STA 117+55.54 TO STA 127+20



GUARDRAIL:
STA 127+20 TO STA 128+77

EXISTING SUPERELEVATED TYPICAL SECTION
STA 127+20 TO STA 129+21.79
STA 129+27.56 TO STA 138+50.58 (1)

✳ ON THE INSIDE OF THE CURVE THE SHOULDER SLOPE SHALL BE THE SAME AS THE PAVEMENT SUPERELEVATION WITH A MINIMUM SLOPE OF ½" PER FOOT.

NOTE:
EXISTING STRUCTURE FROM STA 109+80 TO STA 112+00

(1) Rev. 2-11-10

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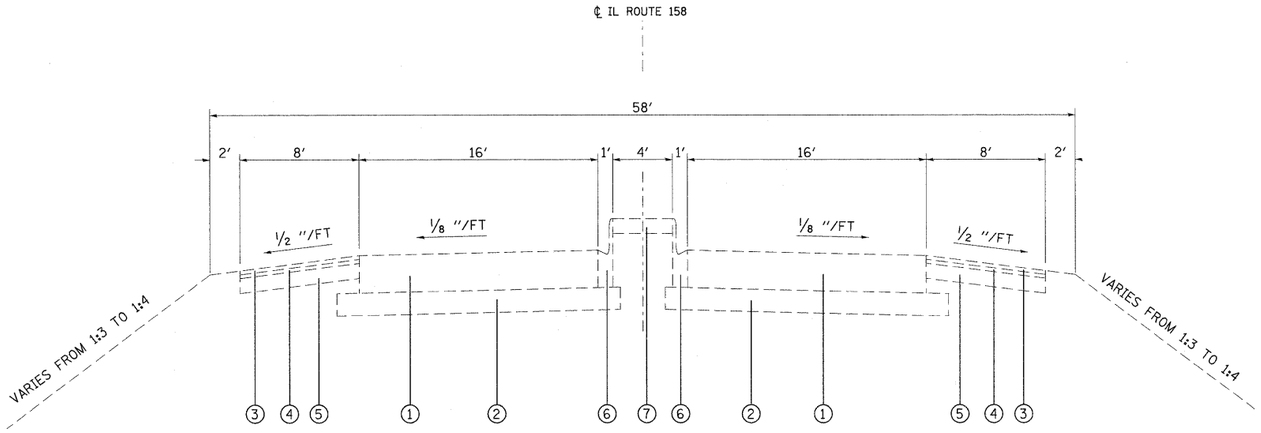
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	6
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

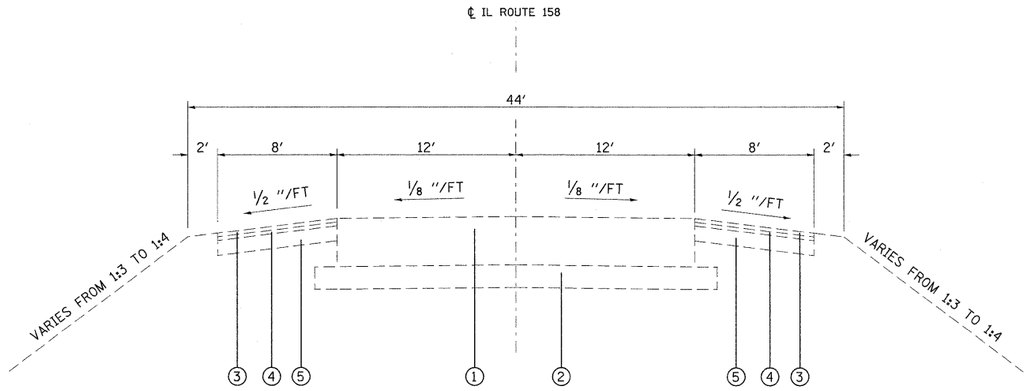


EXISTING TANGENT TYPICAL SECTION

STA 114+80.10 TO STA 117+55.54

LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 10″
2. EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6″
3. EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS I-11 (SHOULDERS) - 1 1/2 ″ △1
4. EXISTING BITUMINOUS CONCRETE BINDER COURSE (SHOULDERS) - 1 1/2 ″
5. EXISTING STABILIZED SHOULDERS
6. EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06
7. EXISTING PORTLAND CEMENT CONCRETE MEDIAN SURFACE - 4″
8. PROPOSED HMA SURFACE COURSE - 1 1/2 ″
9. PROPOSED LEVELING BINDER - 1″
10. PROPOSED HMA BINDER COURSE - VARIES FROM 1.25″ TO 36.2″ △1
11. PROPOSED HMA BASE COURSE - 11″
12. PROPOSED HMA BASE COURSE - 10″
13. PROPOSED HMA SHOULDER
14. PROPOSED COMBINATION CURB AND GUTTER, TYPE B-9.06
15. PROPOSED CONCRETE MEDIAN SURFACE - 4″
16. PROPOSED GUARDRAIL
17. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
18. PROPOSED PAVED SHOULDER REMOVAL
19. PROPOSED PAVEMENT REMOVAL (AFTER STAGE CONSTRUCTION) △1



EXISTING TANGENT TYPICAL SECTION

STA 138+50.58 TO STA 141+66.85 △1

△1 Rev. 7-11-10

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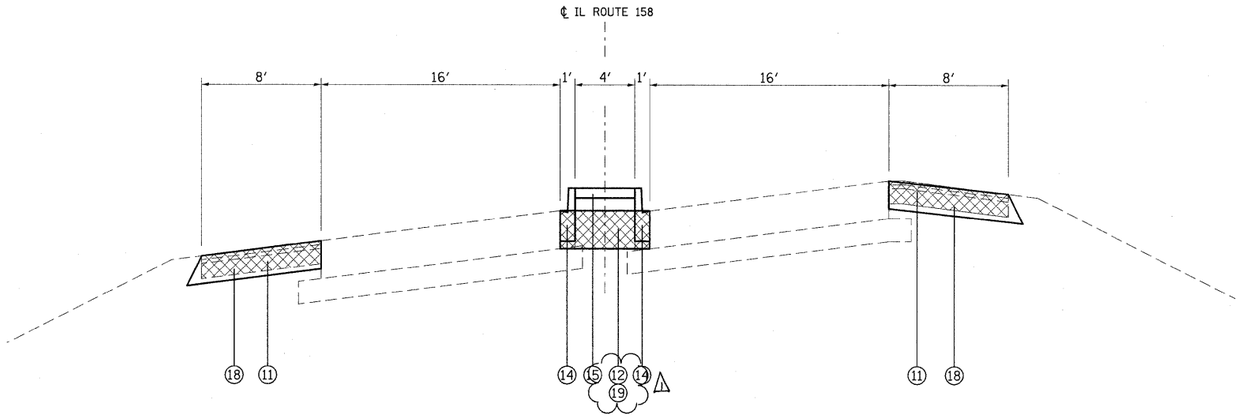
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	7
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED SUPERELEVATED TYPICAL SECTION

STA 103+20 TO STA 106+28.65

LEGEND

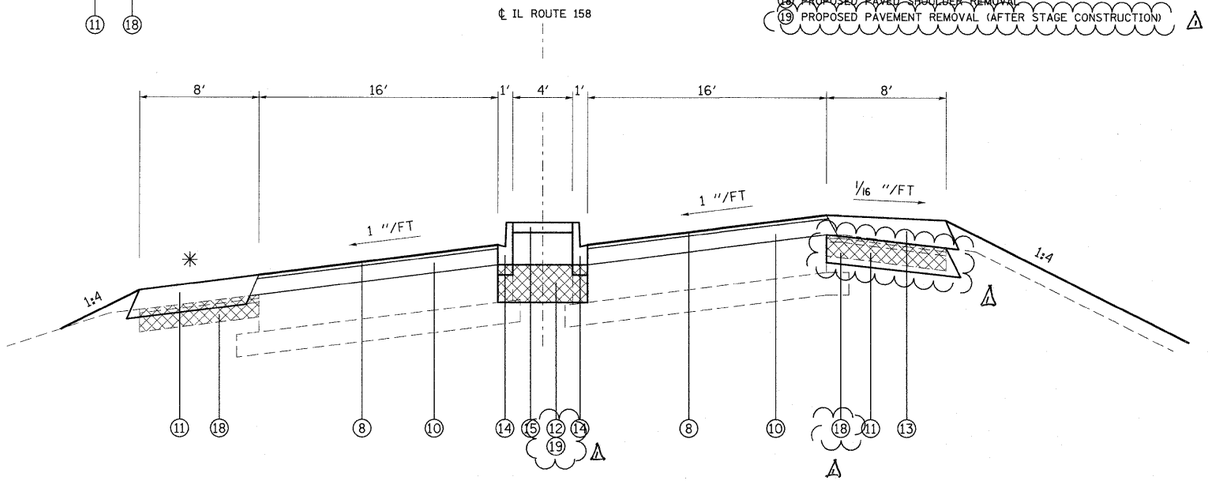
1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 10″
2. EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6″
3. EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS I-11 (SHOULDERS) - 1 1/2 ″
4. EXISTING BITUMINOUS CONCRETE BINDER COURSE (SHOULDERS) - 1 1/2 ″
5. EXISTING STABILIZED SHOULDERS
6. EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06
7. EXISTING PORTLAND CEMENT CONCRETE MEDIAN SURFACE - 4″
8. PROPOSED HMA SURFACE COURSE - 1 1/2 ″
9. PROPOSED LEVELING BINDER - 1″
10. PROPOSED HMA BINDER COURSE - VARIES FROM 1.25″ TO 36.2″ △1
11. PROPOSED HMA BASE COURSE - 11″
12. PROPOSED HMA BASE COURSE - 10″
13. PROPOSED HMA SHOULDER
14. PROPOSED COMBINATION CURB AND GUTTER, TYPE B-9.06
15. PROPOSED CONCRETE MEDIAN SURFACE - 4″
16. PROPOSED GUARDRAIL
17. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
18. PROPOSED PAVED SHOULDER REMOVAL
19. PROPOSED PAVEMENT REMOVAL (AFTER STAGE CONSTRUCTION) △1

MIXTURE CHART

MIXTURE USE	SURFACE	LEVEL BINDER	BINDER / BASE CRS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION			
(GRADATION MIXTURE)		IL 12.5	IL 19.0
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"

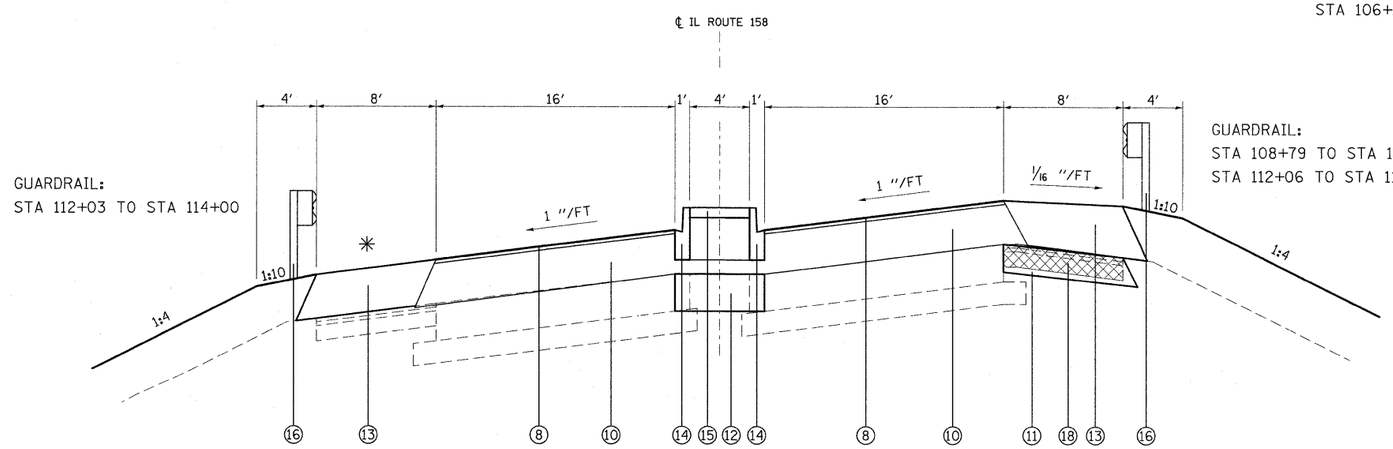
TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.



PROPOSED SUPERELEVATED TYPICAL SECTION

STA 106+28.65 TO STA 107+00



PROPOSED SUPERELEVATED TYPICAL SECTION

STA 107+00 TO STA 109+67.01

STA 112+30.45 TO STA 114+00

✳ ON THE INSIDE OF THE CURVE THE SHOULDER SLOPE SHALL BE THE SAME AS THE PAVEMENT SUPERELEVATION WITH A MINIMUM SLOPE OF 1/2″ PER FOOT.

✳✳ HMA BASE COURSE - 11″ ENDS AT STA 119+00
HMA SHOULDER - 6″ FROM STA 119+00 TO STA 127+20

NOTE:
PROPOSED WEST BRIDGE APPROACH PAVEMENT FROM STA 109+76.01 TO STA 110+02.98
PROPOSED STRUCTURE FROM STA 110+02.98 TO STA 111+94.45
PROPOSED EAST BRIDGE APPROACH PAVEMENT FROM STA 111+94.45 TO STA 112+24.45

△Rev. 2-11-10

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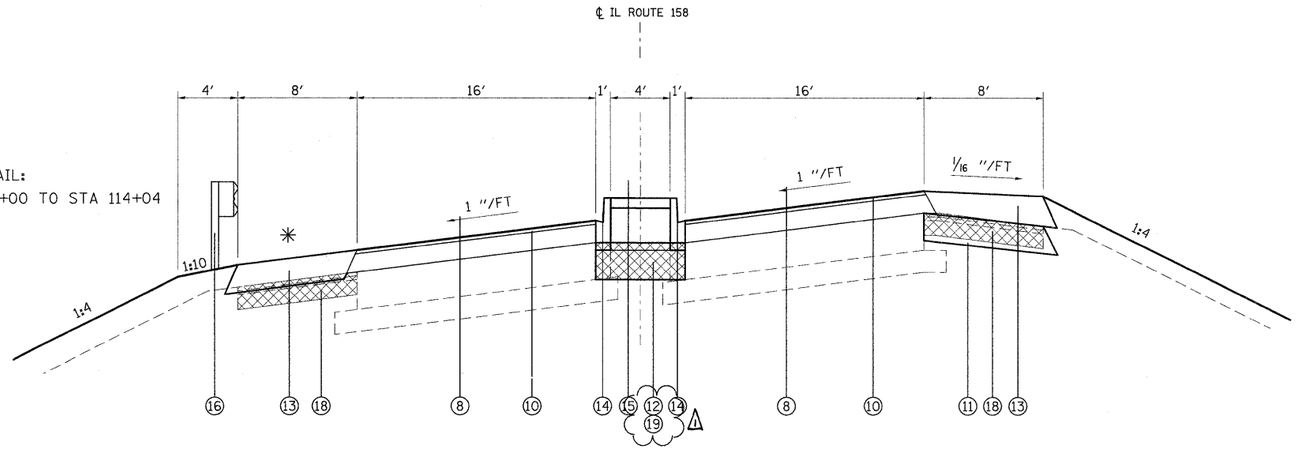
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	8
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GUARDRAIL:
STA 114+00 TO STA 114+04



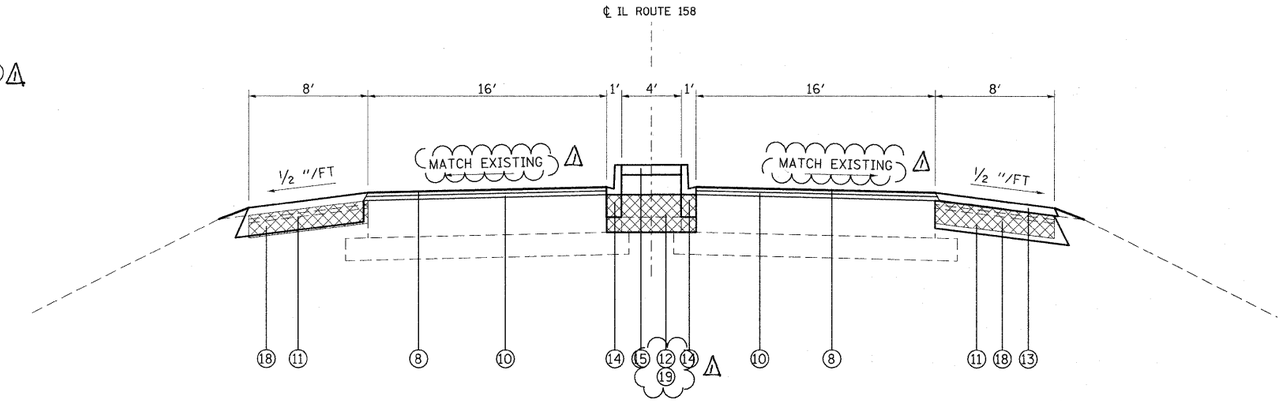
PROPOSED SUPERELEVATED TYPICAL SECTION

STA 114+00 TO STA 114+80.10

SUPERELEVATION TRANSITION BEGINS AT STA. 114+29.6 ⚠1

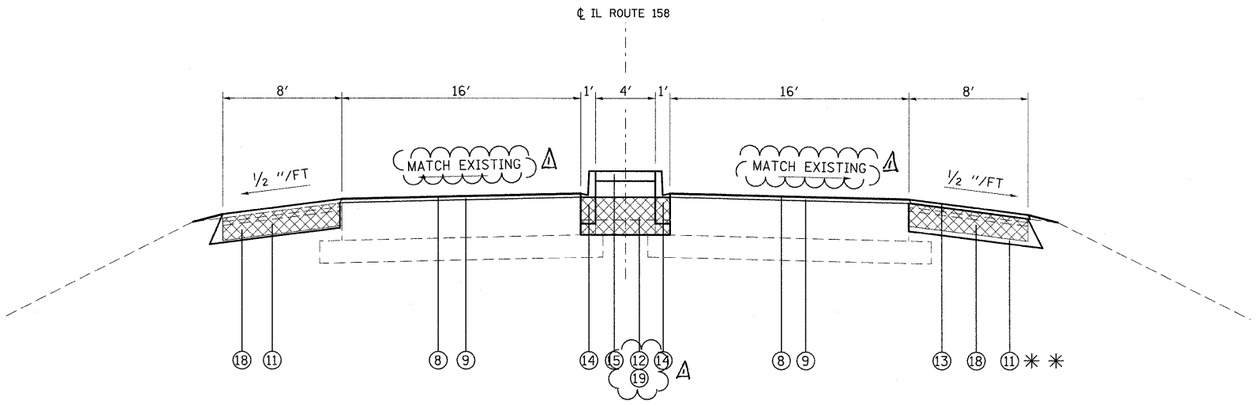
LEGEND

① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 10"
② EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6"
③ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS I-11 (SHOULDERS) - 1 1/2 " ⚠1
④ EXISTING BITUMINOUS CONCRETE BINDER COURSE (SHOULDERS) - 1 1/2 "
⑤ EXISTING STABILIZED SHOULDERS
⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06
⑦ EXISTING PORTLAND CEMENT CONCRETE MEDIAN SURFACE - 4"
⑧ PROPOSED HMA SURFACE COURSE - 1 1/2 "
⑨ PROPOSED LEVELING BINDER - 1"
⑩ PROPOSED HMA BINDER COURSE - VARIES FROM 1.25" TO 36.2" ⚠1
⑪ PROPOSED HMA BASE COURSE - 11"
⑫ PROPOSED HMA BASE COURSE - 10"
⑬ PROPOSED HMA SHOULDER
⑭ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-9.06
⑮ PROPOSED CONCRETE MEDIAN SURFACE - 4"
⑯ PROPOSED GUARDRAIL
⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
⑱ PROPOSED PAVED SHOULDER REMOVAL
⑲ PROPOSED PAVEMENT REMOVAL (AFTER STAGE CONSTRUCTION) ⚠1



PROPOSED TANGENT TYPICAL SECTION

STA 114+80.10 TO STA 115+00



PROPOSED TANGENT TYPICAL SECTION

STA 115+00 TO STA 117+55.54

✳ ON THE INSIDE OF THE CURVE THE SHOULDER SLOPE SHALL BE THE SAME AS THE PAVEMENT SUPERELEVATION WITH A MINIMUM SLOPE OF 1/2" PER FOOT.

✳ ✳ HMA BASE COURSE - 11" ENDS AT STA 116+50

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

⚠1 Rev. 2-11-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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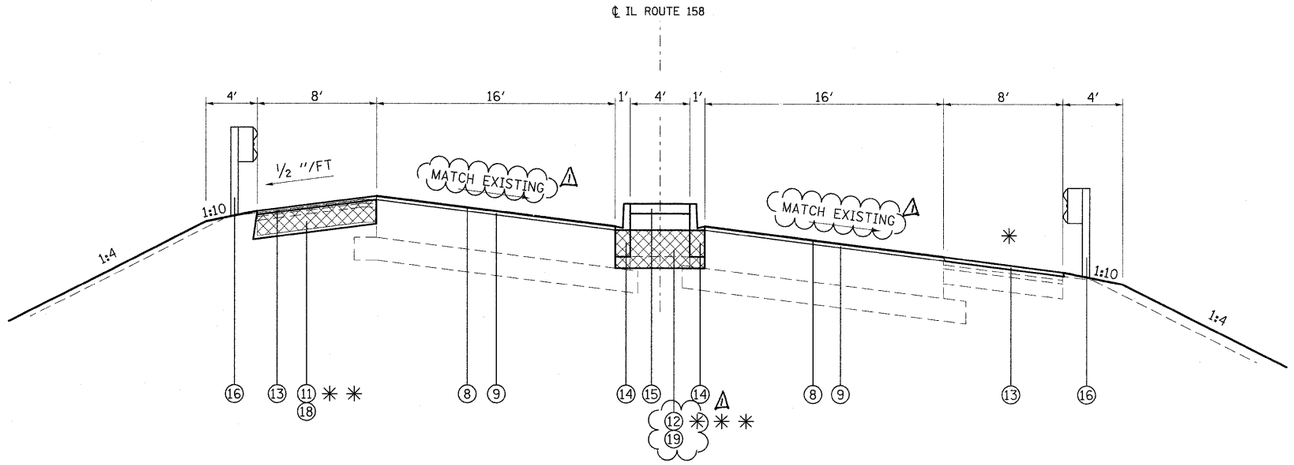
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GUARDRAIL:
STA 126+00 TO STA 127+20
ALSO ON RAMPS

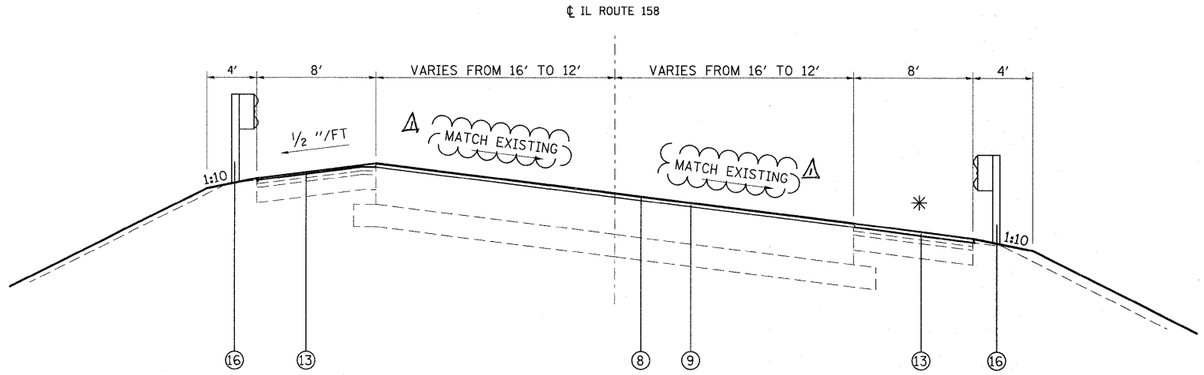
PROPOSED SUPERELEVATED TYPICAL SECTION
STA 117+55.54 TO STA 127+20

✳✳ HMA BASE COURSE - 11" AND PAVED SHOULDER REMOVAL END AT STA 119+00.
HMA SHOULDER FROM STA 119+00 TO STA 127+20

✳✳✳ HMA BASE COURSE - 10" ENDS AT STA 119+00

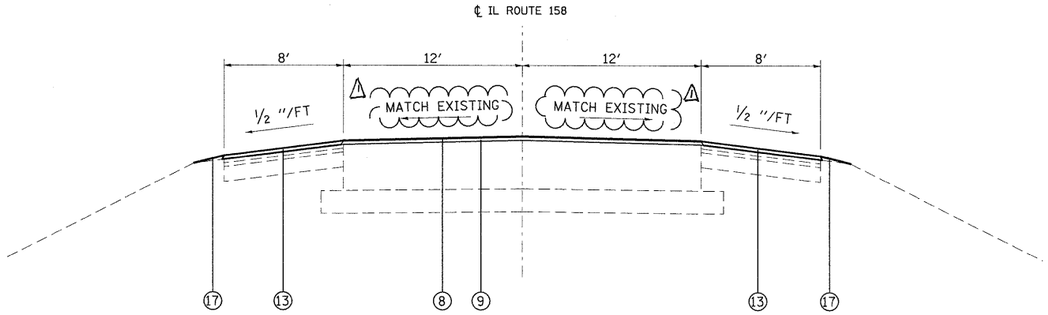
LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 10"
2. EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A - 6"
3. EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS I-11 (SHOULDERS) - 1 1/2 "
4. EXISTING BITUMINOUS CONCRETE BINDER COURSE (SHOULDERS) - 1 1/2 "
5. EXISTING STABILIZED SHOULDERS
6. EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06
7. EXISTING PORTLAND CEMENT CONCRETE MEDIAN SURFACE - 4"
8. PROPOSED HMA SURFACE COURSE - 1 1/2 "
9. PROPOSED LEVELING BINDER - 1"
10. PROPOSED HMA BINDER COURSE - VARIES FROM 1.25" TO 36.2" (1)
11. PROPOSED HMA BASE COURSE - 11"
12. PROPOSED HMA BASE COURSE - 10"
13. PROPOSED HMA SHOULDER
14. PROPOSED COMBINATION CURB AND GUTTER, TYPE B-9.06
15. PROPOSED CONCRETE MEDIAN SURFACE - 4"
16. PROPOSED GUARDRAIL
17. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
18. PROPOSED PAVED SHOULDER REMOVAL
19. PROPOSED PAVEMENT REMOVAL (AFTER STAGE CONSTRUCTION) (1)



PROPOSED SUPERELEVATED TYPICAL SECTION
STA 127+20 TO STA 129+21.79
STA 129+27.56 TO STA 140+00

GUARDRAIL:
STA 127+20 TO STA 128+72



PROPOSED TANGENT TYPICAL SECTION
STA 129+21.79 TO STA 129+27.59
STA 140+00 TO STA 141+66.85

(1) Rev. 2-11-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	10
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGING SCHEDULE

LOCATION	HOT-MIX ASPHALT BASE COURSE, 10"	HOT-MIX ASPHALT BASE COURSE, 11"	PAVEMENT REMOVAL	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE)	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE)	TEMPORARY PAVEMENT MARKING - LINE 6"
	SQ YD	SQ YD	SQ YD	FOOT	FOOT	EACH	EACH	FOOT
PRE-STAGE I		990						
STAGE I	880	4780	139	1025		4		1325
STAGE II			115		1000		2	1000
IL 3 - NB				150				
IL 3 - SB				150				
TOTAL	880	5770	254 *	1325	1000	4	2	2325

* NOT A TOTAL QUANTITY. SEE REMOVAL SCHEDULE.

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 2	GUARDRAIL MARKERS, TYPE A	BARRIER WALL MARKERS, TYPE B	BARRIER WALL MARKERS, TYPE C	TERMINAL MARKER - DIRECT APPLIED
	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
IL 158										
NORTH SIDE							1	3	3	
SOUTH SIDE							2	3	3	
NW QUADRANT					1					
NE QUADRANT	79			1	1					1
SW QUADRANT	81	25		1	1					1
SE QUADRANT	194			1	1					1
IL 3										
WEST SIDE	424	212.5		1		1	5			1
EAST SIDE	313	287.5		1		1	4			1
RAMPS ⚠										
NB IL 3 TO EB IL 158	2431		2325	2			20			2
WB IL 158 TO NB IL 3	1587		1525	1		1	17			1
TOTAL	5109	525	3850	8	4	3	49	6	6	8

TEMPORARY RAMP SCHEDULE

LOCATION	WIDTH	LENGTH	TEMPORARY RAMP
	FOOT	FOOT	SQ YD
STA 106+28	32	5	18
STA 109+67	32	5	18
STA 112+24	32	5	18
STA 115+00	32	5	18
TOTAL			72

⚠ Rev. 2-11-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	12
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING					POLYUREA PAVEMENT MARKING			PAINT PAVEMENT MARKING - RAISED MEDIAN	PAINT PAVEMENT MARKING - CURB		PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		PRISMATIC CURB REFLECTOR	SHORT TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING				WORK ZONE PAVEMENT MARKING REMOVAL
	SKIP-DASH CENTERLINE 4" YELLOW	SOLID CENTERLINE 4" YELLOW	EDGE LINE 4" WHITE		SOLID CHANNELIZING 8" WHITE	SOLID CENTERLINE 4" YELLOW	EDGE LINE 4" WHITE							1-WAY CRYSTAL	2-WAY AMBER			SKIP-DASH CENTERLINE 4" YELLOW	SOLID CENTERLINE 4" YELLOW	EDGE LINE 4" WHITE		
STATION TO STATION	FOOT	FOOT	LT FOOT	RT FOOT	FOOT	FOOT	LT FOOT	RT FOOT	SQ FT	LT FOOT	RT FOOT	SQ FT	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	LT FOOT	RT FOOT	SQ FT
STA 103+20.00 TO STA 108+00.00		960	480	480						320		640				24	105		960	480	480	675
STA 108+00.00 TO STA 109+73.00		347	173	173						128		231				9	38		347	173	173	244
STA 109+73.00 TO STA 112+24.50						503	251.5	251.5		160		335				13	56		503	251.5	251.5	354
STA 112+24.50 TO STA 114+00.00		351	175	175						112		234				9	39		351	175	175	247
STA 114+00.00 TO STA 115+00.00		200	100	100								133				5	22		200	100	100	141
STA 115+00.00 TO STA 119+00.00		800	400	20	380						32	660				20	89		800	400	20	436
STA 119+00.00 TO STA 120+00.00		200	45		142						64	176	5	5		5	22		200	45		89
STA 120+00.00 TO STA 126+00.00		1200		6	381						400	656	41	41		30	132		1200		6	446
STA 126+00.00 TO STA 132+00.00		1200	575	600					47		64	792	3		3	6	89		1200	575	600	821
STA 132+00.00 TO STA 138+00.00	130	700	600	600								677	7		7		79	130	700	600	600	703
STA 138+00.00 TO STA 142+00.00	100	400	400	400								433	5		5		52	100	400	400	400	451
STA 63+25.00 TO STA 73+85.00				1061	460							660					138				1061	399
STA 19+74.00 TO STA 26+62.00			689		442							524					89			689		259
SUB-TOTAL	230	6358	3637	3615		503	251.5	252		720	560			46	15			230	6861	3889	3867	
TOTAL	13840				1805	1006			47	1280		6152	61	61		120	950	14846				5265

PAVEMENT PATCHING SCHEDULE - CLASS B

LOCATION	SIZE		CLASS B PATCHING 10" TYPE II	CLASS B PATCHING 10" TYPE III	CLASS B PATCHING 10" TYPE IV	SAW CUT	DOWEL BARS 1-1/2"	PVMT FABRIC
STATION	LENGTH FOOT	WIDTH FOOT	SQ YD	SQ YD	SQ YD	FT	EACH	SQ YD
IL 158 EASTBOUND								
112+50 *	4	16	7.1			56	27	
115+25	8	16	14.2			64	28	
116+30	8	16	14.2			64	28	
117+10	8	16	14.2			64	28	
119+00	8	12	10.7			52	20	
120+40	6	12	8.0			48	20	
120+50	6	16	10.7			60	28	
122+00	8	16	14.2			64	28	
123+75	25	16			45	98	28	44
125+25	8	18		16		70	32	16
127+30	8	15	13.2			61	26	
128+10	8	14	12.4			58	24	
130+20	8	13	11.6			55	22	
IL 158 WESTBOUND								
115+25	8	16	14.2			64	28	
116+30	8	16	14.2			64	28	
117+10	8	16	14.2			64	28	
123+85	8	16	14.2			64	28	
123+85	8	16	14.2			64	28	
126+15	12	16		21		72	28	
130+20	8	13	11.6			55	22	
TOTAL			213	37	45	1261	529	60

*PAVEMENT PATCH NECESSARY FOR STORM SEWER PLACEMENT.

PARTIAL DEPTH PATCHING SCHEDULE

LOCATION	SIDE	SIZE		PARTIAL DEPTH REMOVAL 3"	PARTIAL DEPTH PATCHING
STATION	RT / LT OR CNTR	LENGTH FOOT	WIDTH FOOT	SQ YD	TON
IL 158 EASTBOUND					
117+50	RT	475	2	105.6	17.7
117+95	CNTR	6	6	4.0	0.7
118+05	CNTR	6	6	4.0	0.7
119+40	RT	20	6	13.3	2.2
120+60	RT	1075	2	238.9	40.1
121+00	CNTR	110	4	48.9	8.2
122+30	CNTR	4	4	1.8	0.3
122+50	RT	120	2	26.7	4.5
123+40	RT	2	10	2.2	0.4
125+00	CNTR	4	4	1.8	0.3
127+10	CNTR	4	4	1.8	0.3
127+60	LT	16	8	14.2	2.4
128+60	CNTR	20	2	4.4	0.7
128+70	LT	4	4	1.8	0.3
129+60	CNTR	4	4	1.8	0.3
129+80	CNTR	4	4	1.8	0.3
131+95	CNTR	2	12	2.7	0.4
135+00	CNTR	2	12	2.7	0.4
136+50	CNTR	2	12	2.7	0.4
IL 15 WESTBOUND					
114+75	CNTR	4	4	1.8	0.3
115+45	CNTR	4	4	1.8	0.3
124+50	RT	300	2	66.7	11.2
125+00	CNTR	2	16	3.6	0.6
125+10	CNTR	2	16	3.6	0.6
127+90	LT	2	8	1.8	0.3
129+00	CNTR	2	14	3.1	0.5
135+00	CNTR	2	12	2.7	0.4
135+65	CNTR	2	12	2.7	0.4
TOTAL				568	96
ROUNDING				570	100

REMOVAL SCHEDULE

LOCATION	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	MEDIAN REMOVAL	PAVED SHOULDER REMOVAL	
				LEFT	RIGHT
STATION TO STATION	SQ YD	FOOT	SQ FT	SQ YD	SQ YD
IL 158					
STA 103+20 TO STA 104+00	53.2	160	400	71	71
STA 104+00 TO STA 105+00	66.6	200	500	89	89
STA 105+00 TO STA 106+00	66.6	200	500	89	89
STA 106+00 TO STA 107+00	66.6	200	500	89	89
STA 107+00 TO STA 108+00		200	500		89
STA 108+00 TO STA 109+00		200	500		89
STA 109+00 TO STA 109+67		160	400		71
STRUCTURE					
STA 112+30 TO STA 113+00		200	500		89
STA 113+00 TO STA 114+00		200	500		89
STA 114+00 TO STA 115+00	66.6	200	500	89	89
STA 115+00 TO STA 116+00	66.6	200	500	89	89
STA 116+00 TO STA 117+00	66.6	200	500	89	44
STA 117+00 TO STA 118+00	66.6	200	500	89	
STA 118+00 TO STA 119+00	66.6	200	500	89	
STA 119+00 TO STA 120+00		200	500		
STA 120+00 TO STA 121+00		200	500		
STA 121+00 TO STA 122+00		200	500		
STA 122+00 TO STA 123+00		200	500		
STA 123+00 TO STA 124+00		200	500		
STA 124+00 TO STA 125+00		200	500		
STA 125+00 TO STA 126+00		200	500		
STA 126+00 TO STA 127+00		200	500		
STA 127+00 TO STA 128+00		40	100		
SUB-TOTAL				783	987
TOTAL	586 *	4360	10900	1770	

* NOT A TOTAL QUANTITY. SEE STAGING SCHEDULE.

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	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/5/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	13
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

RESURFACING SCHEDULE

LOCATION	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER	HOT-MIX ASPHALT BINDER COURSE	HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	HOT-MIX ASPHALT SHOULDERS		HOT-MIX ASPHALT SHOULDERS (2 1/2")		HOT-MIX ASPHALT SHOULDERS (1 1/2")	AGGREGATE WEDGE SHOULDERS, TYPE B	
STATION TO STATION	TON	TON	TON	TON	TON	SQ YDS	LEFT TONS	RIGHT TONS	LEFT TONS	RIGHT TONS	TONS	LEFT TONS	RIGHT TONS
IL 158													
STA 106+29 TO STA 107+00	0.08	0.38		29.3	23.0	88.9		43.0			5.3		
STA 107+00 TO STA 108+00	0.11	0.53		264.1	29.9		59	95.7			7.5		
STA 108+00 TO STA 109+00	0.11	0.53		522.3	29.9		123	142.9			7.5		
STA 109+00 TO STA 109+67	0.07	0.36		463.5	20.0		113	117.1			5.0		
STRUCTURE													
STA 112+30 TO STA 113+00	0.08	0.37		301.7	20.9		70	79.1			5.2		
STA 113+00 TO STA 114+00	0.11	0.53		197.3	29.9		46	66.4			7.5		
STA 114+00 TO STA 115+00	0.11	0.53		41.3	29.9			33.6			7.5		
STA 115+00 TO STA 116+00	0.11	0.53	19.9		29.9								
STA 116+00 TO STA 117+00	0.11	0.53	19.9		29.9					5.4			
STA 117+00 TO STA 118+00	0.11	0.53	19.9		29.9					7.0			
STA 118+00 TO STA 119+00	0.11	0.53	19.9		29.9					3.7			
STA 119+00 TO STA 120+00	0.11	0.53	19.9		29.9				22.6	0.3			
STA 120+00 TO STA 121+00	0.11	0.53	19.9		29.9				24.9				
STA 121+00 TO STA 122+00	0.11	0.53	19.9		29.9				16.6				
STA 122+00 TO STA 123+00	0.11	0.53	19.9		29.9				8.3				
STA 123+00 TO STA 124+00	0.11	0.53	19.9		29.9				1.8				
STA 124+00 TO STA 125+00	0.11	0.53	19.9		29.9								
STA 125+00 TO STA 126+00	0.11	0.53	19.9		29.9					1.0			
STA 126+00 TO STA 127+00	0.11	0.53	19.9		29.9				7.1	12.5			
STA 127+00 TO STA 128+00	0.11	0.53	17.4		29.9				12.4	12.4			
STA 128+00 TO STA 129+00	0.11	0.51	17.4		29.9				9.6	9.3			
STA 129+00 TO STA 130+00	0.10	0.47	17.4		29.9				12.3	10.4			
STA 130+00 TO STA 131+00	0.10	0.47	16.4		26.9				8.8	8.7		0.9	0.9
STA 131+00 TO STA 132+00	0.09	0.43	14.9		22.4				12.4	12.4		1.2	1.2
STA 132+00 TO STA 133+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 133+00 TO STA 134+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 134+00 TO STA 135+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 135+00 TO STA 136+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 136+00 TO STA 137+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 137+00 TO STA 138+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 138+00 TO STA 139+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 139+00 TO STA 140+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 140+00 TO STA 141+00	0.08	0.40	14.9		22.4				12.4	12.4		1.2	1.2
STA 141+00 TO STA 141+92	0.08	0.37	13.7		20.6	66.7			8.3	8.3		0.8	0.8
RAMPS													
STA 19+55 TO STA 19+94									4.9				
STA 19+94 TO STA 23+30	0.10	0.49	18.3		27.4				41.8				
STA 23+30 TO STA 27+38	0.23	1.09	40.6		60.9				41.3				
STA 63+25 TO STA 64+15	0.05	0.24	9.0		13.4				7.8	11.2			
STA 64+15 TO STA 64+75	0.03	0.15	5.5		8.3				1.3	7.5			
STA 64+75 TO STA 67+90	0.15	0.71	26.5		39.7					39.2			
STA 67+90 TO STA 73+83	0.16	0.75	28.2		42.2					73.8			
TOTAL	4.06	19.45	~~598.7~~	1819.6	1095	155.6	411	578	354.3	335.2	45.4	14	14
ROUNDING	4.0	20	600	1820	1100	156	1725					30	

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FILE NAME = c:\pw_work\pwidot\owenbj\dms52558\pln00606a.dgn	USER NAME = owenbj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -			809	67-1HBR	MONROE	144	14
	PLOT DATE = 2/5/2010	CHECKED -	REVISED -					CONTRACT NO. 76977		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CURB AND GUTTER AND MEDIAN SCHEDULE

LOCATION	COMB. CONCRETE CURB AND GUTTER TYPE B-9.06	CONCRETE MEDIAN SURFACE, 4 INCH
STATION	FOOT	SQ FT
STA 103+20 TO 108+00	960	2400
STA 108+00 TO 109+73	347	865
STA 112+24 TO 120+00	1553	3880
STA 120+00 TO 126+00	1200	3000
STA 126+00 TO 127+20	240	600
TOTAL	4300	10745

DRAINAGE SCHEDULE

LOCATION	INLETS TO BE ADJUSTED	FRAMES AND GRATES, TYPE 11	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	REMOVING INLETS	PRECAST REINF. CONC. FLARED END SECTIONS 12"	STORM SEWERS, CLASS A, TYPE 1 12"
STATION	EACH	EACH	EACH	EACH	EACH	FOOT
STA 106+00	1	1				
STA 109+00	1	1				
STA 112+15				1		
STA 112+50			1		1	35
STA 114+00	1	1				
STA 115+00	1	1				
STA 117+18	1	1				
STA 120+18	1	1				
STA 123+17	1	1				
STA 125+17	1	1				
TOTAL	8	8	1	1	1	35

SUPERELEVATION SCHEDULE

STATION	PROFILE ELEVATION	RIGHT EDGE OF PAVEMENT ELEVATION	LEFT EDGE OF PAVEMENT ELEVATION
106+30.00	598.48	599.75	597.20
106+40.00	598.88	600.16	597.60
106+50.00	599.28	600.56	598.00
106+60.00	599.68	600.97	598.41
106+70.00	600.09	601.37	598.81
106+80.00	600.49	601.77	599.21
106+90.00	600.89	602.17	599.61
107+00.00	601.29	602.57	600.01
107+10.00	601.68	602.96	600.40
107+20.00	602.07	603.35	600.79
107+30.00	602.44	603.72	601.16
107+40.00	602.80	604.08	601.52
107+50.00	603.14	604.42	601.86
107+60.00	603.48	604.76	602.20
107+70.00	603.80	605.08	602.52
107+80.00	604.11	605.39	602.83
107+90.00	604.41	605.69	603.13
108+00.00	604.69	605.97	603.41
108+10.00	604.97	606.25	603.69
108+20.00	605.23	606.51	603.95
108+30.00	605.48	606.76	604.20
108+40.00	605.71	607.00	604.44
108+50.00	605.94	607.22	604.66
108+60.00	606.15	607.43	604.87
108+70.00	606.35	607.63	605.07
108+80.00	606.54	607.82	605.26
108+90.00	606.72	608.00	605.44
109+00.00	606.89	608.17	605.61
109+10.00	607.04	608.32	605.76
109+20.00	607.18	608.46	605.90
109+30.00	607.31	608.59	606.03
109+40.00	607.42	608.70	606.14
109+50.00	607.53	608.81	606.25
109+60.00	607.62	608.90	606.34
109+70.00	607.71	608.99	606.43
109+80.00	607.78	609.06	606.50
109+90.00	607.85	609.13	606.57
110+00.00	607.91	609.19	606.63
110+10.00	607.96	609.24	606.68
110+20.00	608.00	609.28	606.72
110+30.00	608.03	609.31	606.75
110+40.00	608.06	609.34	606.78
110+50.00	608.07	609.35	606.79
110+60.00	608.08	609.36	606.80

STATION	PROFILE ELEVATION	RIGHT EDGE OF PAVEMENT ELEVATION	LEFT EDGE OF PAVEMENT ELEVATION
110+70.00	608.08	609.36	606.80
110+80.00	608.07	609.35	606.79
110+90.00	608.05	609.33	606.77
111+00.00	608.02	609.30	606.74
111+10.00	607.98	609.26	606.70
111+20.00	607.94	609.22	606.66
111+30.00	607.88	609.16	606.60
111+40.00	607.82	609.10	606.54
111+50.00	607.75	609.03	606.47
111+60.00	607.67	608.95	606.39
111+70.00	607.58	608.86	606.30
111+80.00	607.48	608.76	606.20
111+90.00	607.37	608.65	606.09
112+00.00	607.26	608.54	605.98
112+10.00	607.13	608.41	605.85
112+20.00	607.00	608.28	605.72
112+30.00	606.86	608.14	605.58
112+40.00	606.71	607.99	605.43
112+50.00	606.55	607.83	605.27
112+60.00	606.39	607.67	605.11
112+70.00	606.22	607.50	604.94
112+80.00	606.06	607.34	604.78
112+90.00	605.90	607.18	604.62
113+00.00	605.73	607.01	604.45
113+10.00	605.57	606.85	604.29
113+20.00	605.42	606.70	604.14
113+30.00	605.28	606.56	604.00
113+40.00	605.15	606.43	603.87
113+50.00	605.03	606.31	603.75
113+60.00	604.92	606.20	603.64
113+70.00	604.81	606.09	603.53
113+80.00	604.72	606.00	603.44
113+90.00	604.63	605.91	603.35
114+00.00	604.55	605.83	603.27
114+10.00	604.48	605.76	603.20
114+20.00	604.43	605.71	603.15
114+30.00	604.38	605.65	603.10
114+40.00	604.33	605.52	603.14
114+50.00	604.30	605.39	603.19
114+60.00	604.28	605.27	603.24
114+70.00	604.27	605.17	603.31
114+80.00	604.26	605.07	603.39
114+90.00	604.27	604.98	603.47
115+00.00	604.28	604.90	603.56

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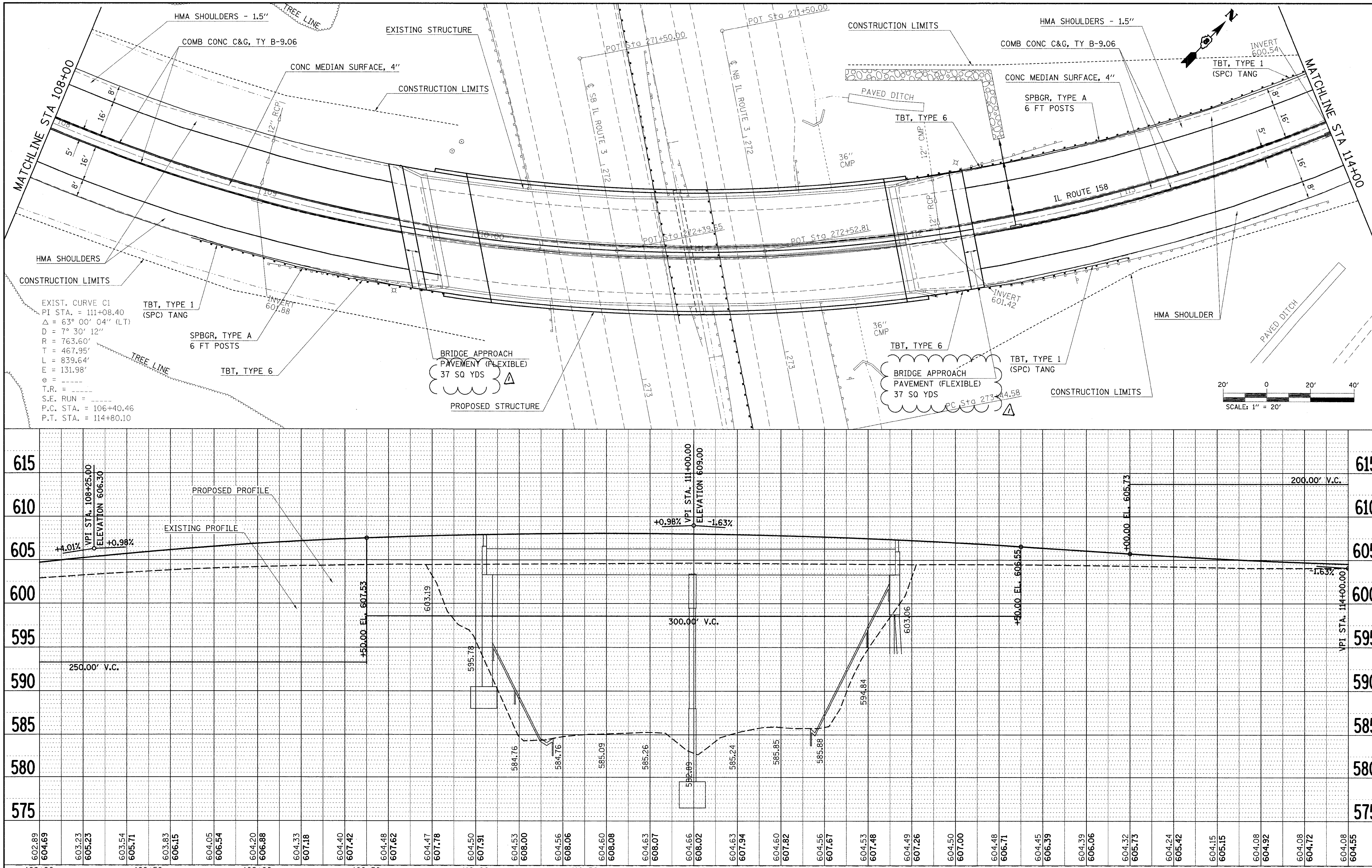
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	14A
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

Rev. 2-11-10

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	17

CONTRACT NO. 76977

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

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

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

☐ ILR10
☒ ILR40 PERMIT NO. 0493

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

MARY C. LAMIE	Mary C Lamie
PRINT NAME	SIGNATURE
DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER	Dec 9, 2009
TITLE	DATE
IL DEPT. OF TRANSPORTATION	
AGENCY	

I. SITE DESCRIPTION:

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

THE PROJECT CONSISTS OF STRUCTURE REPLACEMENT OF THE STRUCTURE CARRYING IL ROUTE 158 OVER IL ROUTE 3, SOUTH OF COLUMBIA.

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

CONSTRUCTION INCLUDES STRUCTURE REPLACEMENT, A PROFILE GRADE CHANGE, AGGREGATE AND HMA SHOULDERS, GUARDRAIL, EARTH EXCAVATION AND EMBANKMENT, AND ALL INCIDENTAL AND COLLATERAL WORK NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS.

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

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

PRE-STAGE 1: CONSTRUCT HMA BASE COURSE ON EAST SIDE OF ROADWAY FOR STAGE I TRAFFIC.

STAGE 1: WITH TRAFFIC ON THE EAST HALF OF THE STRUCTURE, REMOVE AND REPLACE THE WEST HALF. AFTER THE WEST HALF OF THE STRUCTURE IS BUILT, BUILD PAVEMENT ON BOTH SIDES OF STRUCTURE. CONSTRUCT HMA BASE COURSE ON WEST SIDE OF ROADWAY FOR STAGE II TRAFFIC.

STAGE 2: REMOVE AND REPLACE THE EAST HALF OF THE STRUCTURE. AFTER THE EAST HALF OF THE STRUCTURE IS BUILT, BUILD THE PAVEMENT ON EAST SIDE.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 7.2 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 1.25 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.79

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

ONE SOIL TYPE IS LOCATED WITHIN THE PROJECT AREA OF THE IL ROUTE 158 BRIDGE REPLACEMENT OVER IL 3

ORTHENTS, SILTY, STEEP (801D) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE TO LOW PERMEABILITY. THIS SOIL HAS A MODERATELY HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

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

NONE

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

THE PURPOSE OF LAND DISTURBING ACTIVITIES ON THIS PROJECT IS TO REMOVE AND REPLACE THE IL ROUTE 158 BRIDGE OVER IL ROUTE 3 (PROPOSED STRUCTURE NO. 067-0042, EXISTING STRUCTURE NO. 067-0006), THE RECONSTRUCTION OF GUARDRAIL AND SIDE SLOPES.

THE ONLY SOIL TYPE IN THE PROJECT AREA IS ORTHENTS, SILTY, STEEP (801D). IT HAS A MODERATELY HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

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

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

NONE

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

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

II. CONTROLS

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

A. EROSION AND SEDIMENT CONTROL

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

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

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

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

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

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

TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.

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

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

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

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

3. EROSION CONTROL BLANKETS/MULCHING - EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES AND IN HIGH VELOCITY AREAS (I.E. DITCHES) THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MULCH, METHOD 2 WILL BE APPLIED IN RELATIVELY FLAT AREAS TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

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

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

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

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

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

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE CONSTRUCTION LIMITS IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

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

2. TEMPORARY DITCH CHECKS - THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS AND SCHEDULES.

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

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

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

3. SLOPE WALLS - WILL BE CONSTRUCTED AT BOTH ABUTMENTS OF THE STRUCTURE TO MAINTAIN THE STEEP SLOPES.

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

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

Δ Rev. 2-11-10

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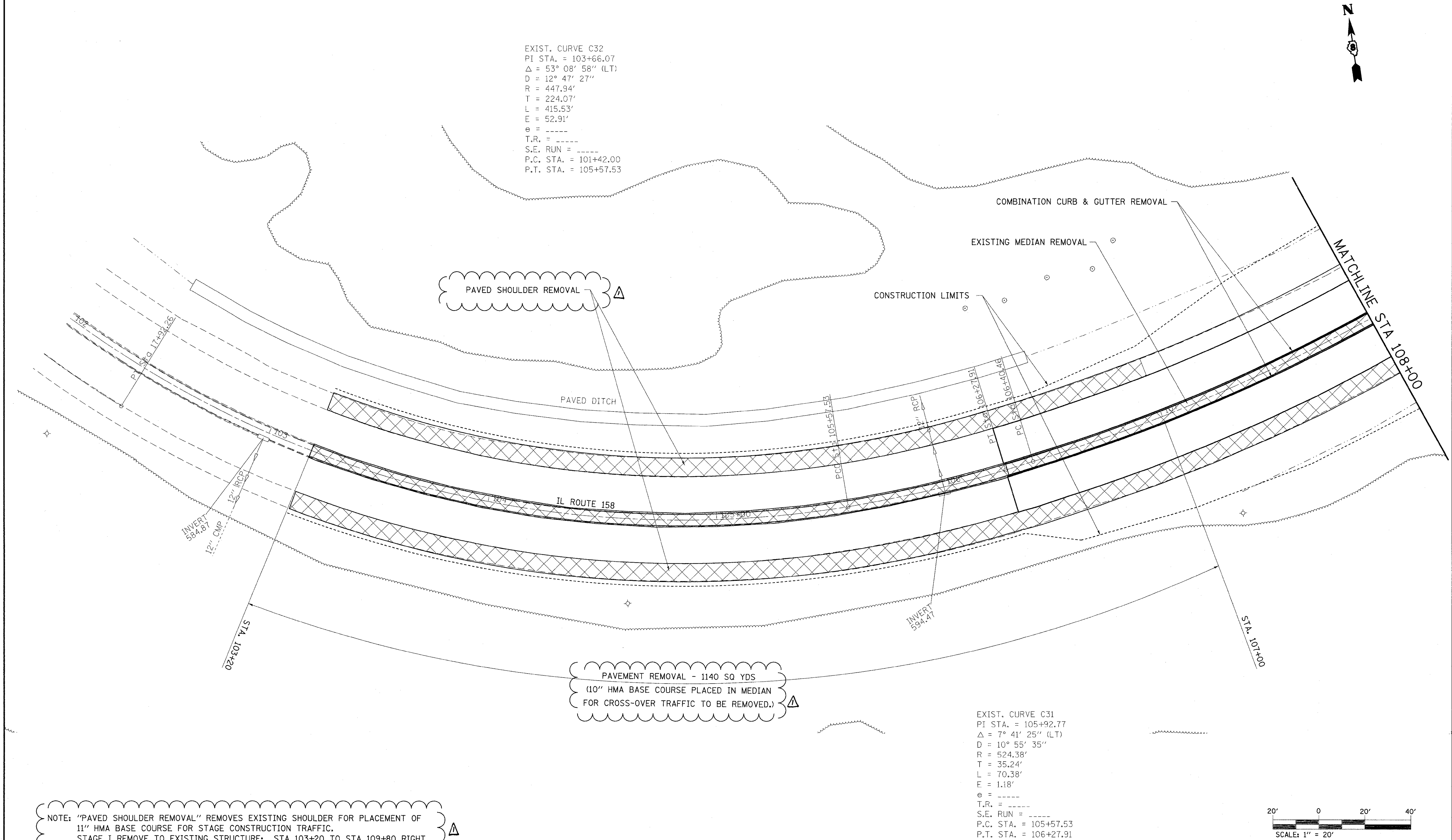
	PLOT DATE = 12/8/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SWPPP PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	36
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE: "PAVED SHOULDER REMOVAL" REMOVES EXISTING SHOULDER FOR PLACEMENT OF 11" HMA BASE COURSE FOR STAGE CONSTRUCTION TRAFFIC.
STAGE I REMOVE TO EXISTING STRUCTURE: STA 103+20 TO STA 109+80 RIGHT
STAGE II ONLY REMOVE AREA IN CONFLICT: STA 103+20 TO STA 107+00 LEFT

Rev. 2-11-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

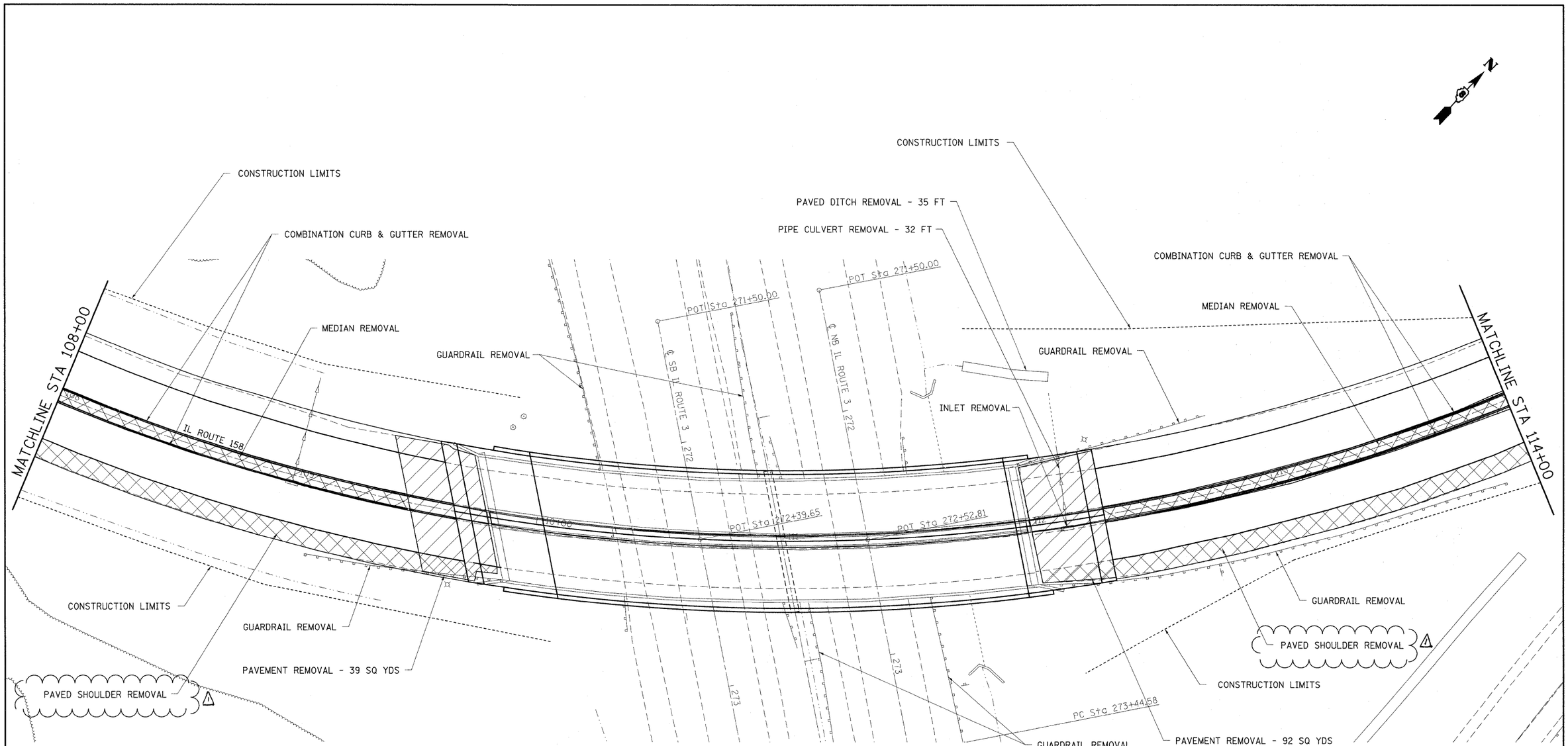
REMOVAL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	43

CONTRACT NO. 76977

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



EXIST. CURVE C1
PI STA. = 111+08.40
Δ = 63° 00′ 04″ (LT)
D = 7° 30′ 12″
R = 763.60′
T = 467.95′
L = 839.64′
E = 131.98′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 106+40.46
P.T. STA. = 114+80.10

NOTE: "PAVED SHOULDER REMOVAL" REMOVES EXISTING SHOULDER FOR PLACEMENT OF 11" HMA BASE COURSE FOR STAGE CONSTRUCTION TRAFFIC.
STAGE I REMOVE TO EXISTING STRUCTURE: STA 103+20 TO STA 109+80 RIGHT
STA 112+00 TO STA 116+50 RIGHT ⚠

20′ 0 20′ 40′
SCALE: 1" = 20′

⚠ Rev. 2-11-10

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	PLOT DATE = 2/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	44
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE C108
PI STA. = 27+47.92
Δ = 13° 18′ 44″ (RT)
D = 7° 40′ 32″
R = 746.46′
T = 87.11′
L = 173.43′
E = 5.07′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 26+60.81
P.T. STA. = 28+34.25

N

GUARDRAIL REMOVAL

CONSTRUCTION LIMITS

PAVED SHOULDER REMOVAL

COMBINATION CURB & GUTTER REMOVAL

MEDIAN REMOVAL

INVERT 601.47

12″ CMP

12″ RCP

PT Sta 114+80.10

INVERT 602.13

12″ CMP

12″ RCP

PC Sta 112+55.54

24″ CMP

Sta 29+29.30

Sta 29+20.56

PCC Sta 28+34.25

PT Sta 26+60.81

PT Sta 26+18.10

28

27

IL ROUTE 158

MATCHLINE STA 114+00

MATCHLINE STA 120+00

12″ RCP

STA. 114+00

STA. 119+00

PC Sta 64+14.28

PT Sta 65+81.76

PC Sta 66+98.65

65+00

64

63

62

66

67

PAVEMENT REMOVAL - 1500 SQ YDS
(10″ HMA BASE COURSE PLACED IN MEDIAN
FOR CROSS-OVER TRAFFIC TO BE REMOVED.)

EXIST. CURVE C207
PI STA. = 64+98.07
Δ = 4° 36′ 17″ (RT)
D = 2° 44′ 58″
R = 2,083.91′
T = 83.78′
L = 167.48′
E = 1.68′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 64+14.28
P.T. STA. = 65+81.76

EXIST. CURVE C206
PI STA. = 62+28.63
Δ = 25° 49′ 23″ (RT)
D = 6° 50′ 05″
R = 838.31′
T = 192.18′
L = 377.83′
E = 21.75′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 60+36.46
P.T. STA. = 64+14.28

NOTE: "PAVED SHOULDER REMOVAL" REMOVES EXISTING SHOULDER FOR PLACEMENT OF 11" HMA BASE COURSE FOR STAGE CONSTRUCTION TRAFFIC.
STAGE I REMOVE TO EXISTING STRUCTURE: STA 112+00 TO STA 116+50 RIGHT
STAGE II ONLY REMOVE AREA IN CONFLICT: STA 114+00 TO STA 119+00 LEFT

20′ 0 20′ 40′
SCALE: 1″ = 20′

Rev. 2-11-10

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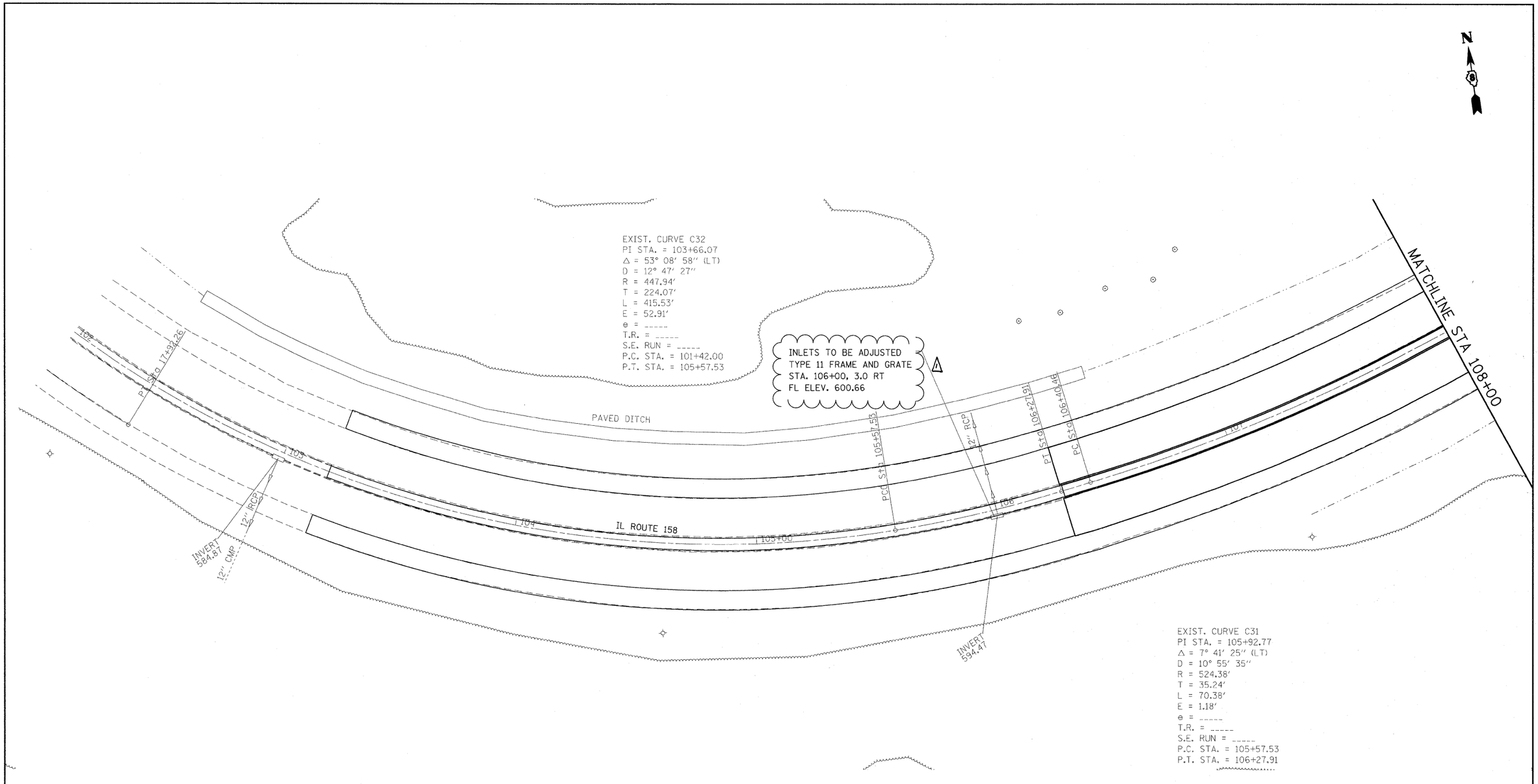
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	45
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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	PLOT DATE = 2/5/2010	DATE -	REVISED -

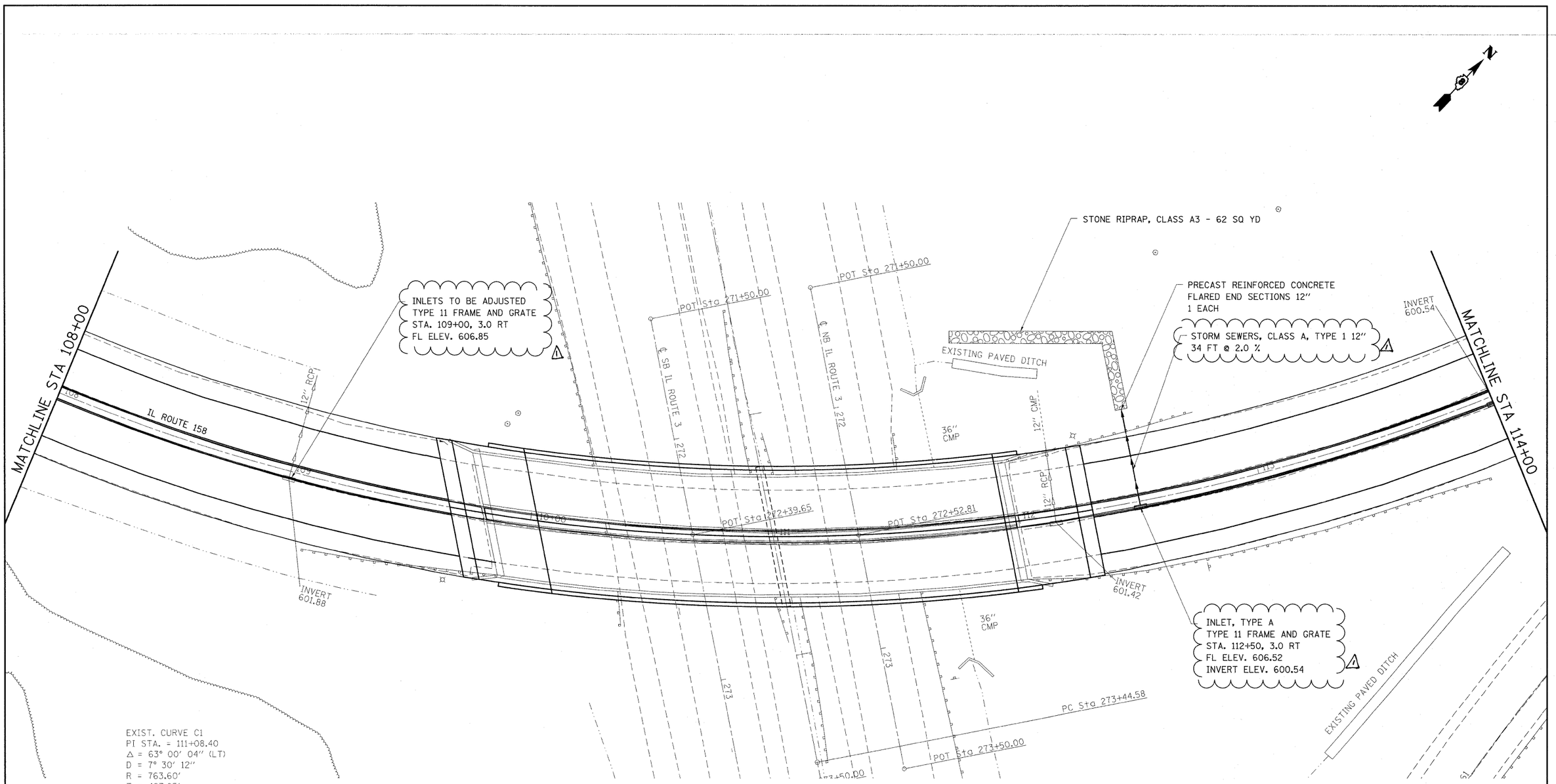
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

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

Δ Rev. 2-11-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	48
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXIST. CURVE C1
PI STA. = 111+08.40
Δ = 63° 00′ 04″ (LT)
D = 7° 30′ 12″
R = 763.60′
T = 467.95′
L = 839.64′
E = 131.98′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 106+40.46
P.T. STA. = 114+80.10

Rev. 2-11-10

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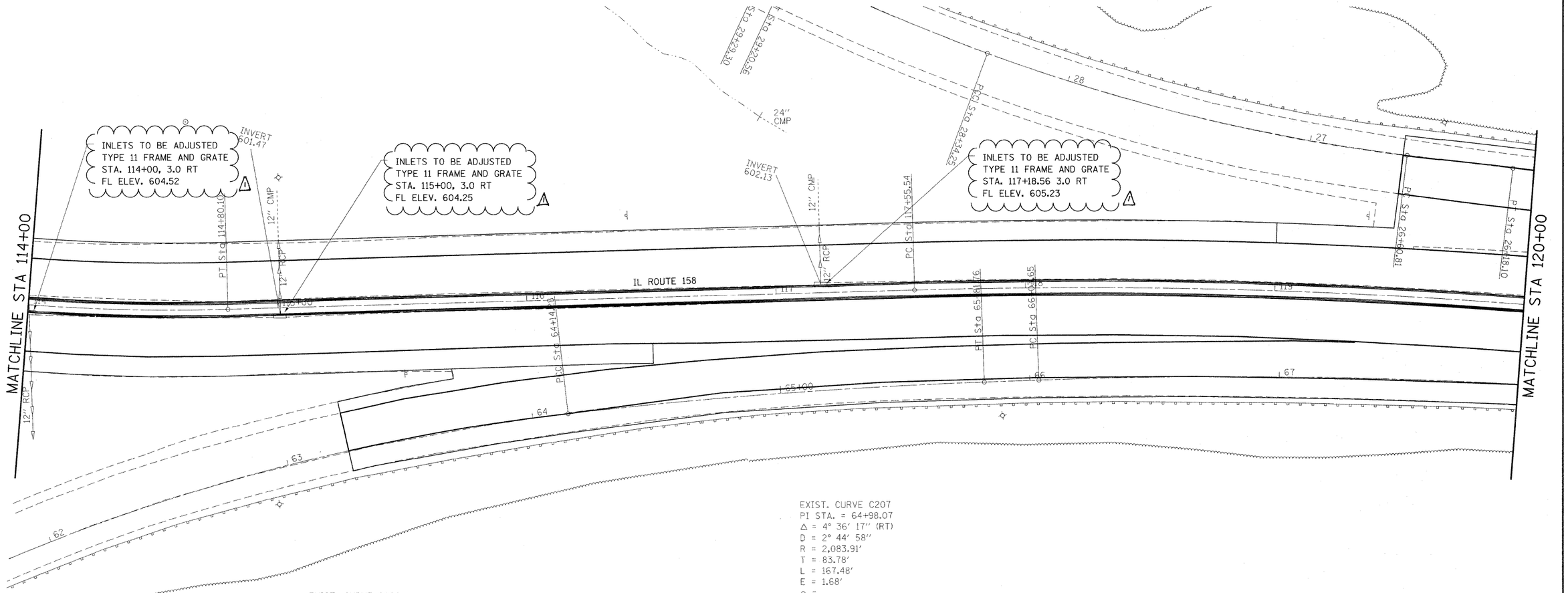
	PLOT SCALE = 20.0000 ' / IN.	CHECKED -	REVISED -					809	67-1HBR	MONROE	144	49
	PLOT DATE = 2/5/2010	DATE -	REVISED -							CONTRACT NO. 76977		
					SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE C108
PI STA. = 27+47.92
Δ = 13° 18′ 44″ (RT)
D = 7° 40′ 32″
R = 746.46′
T = 87.11′
L = 173.43′
E = 5.07′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 26+60.81
P.T. STA. = 28+34.25



EXIST. CURVE C206
PI STA. = 62+28.63
Δ = 25° 49′ 23″ (RT)
D = 6° 50′ 05″
R = 838.31′
T = 192.18′
L = 377.83′
E = 21.75′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 60+36.46
P.T. STA. = 64+14.28

EXIST. CURVE C207
PI STA. = 64+98.07
Δ = 4° 36′ 17″ (RT)
D = 2° 44′ 58″
R = 2,083.91′
T = 83.78′
L = 167.48′
E = 1.68′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 64+14.28
P.T. STA. = 65+81.76

⚠ Rev. 2-11-10

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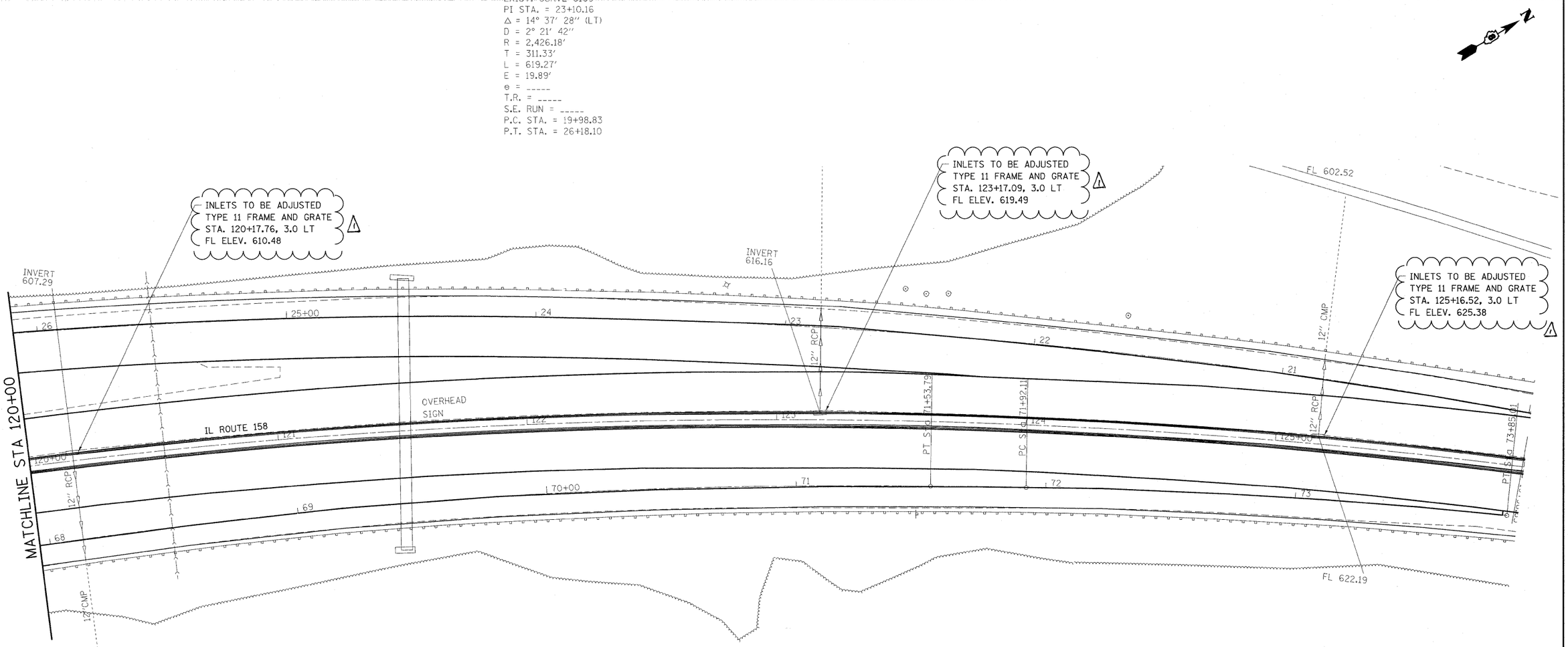
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	50
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE C109
PI STA. = 23+10.16
Δ = 14° 37′ 28″ (LT)
D = 2° 21′ 42″
R = 2,426.18′
T = 311.33′
L = 619.27′
E = 19.89′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 19+98.83
P.T. STA. = 26+18.10



EXIST. CURVE C208
PI STA. = 68+80.14
Δ = 14° 13′ 45″ (RT)
D = 2° 35′ 11″
R = 2,215.22′
T = 276.49′
L = 550.14′
E = 17.19′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 66+03.65
P.T. STA. = 71+53.79

EXIST. CURVE C2
PI STA. = 123+50.42
Δ = 27° 50′ 31″ (RT)
D = 2° 23′ 14″
R = 2,400.00′
T = 594.87′
L = 1,166.24′
E = 72.62′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 117+55.54
P.T. STA. = 129+21.79

EXIST. CURVE C209
PI STA. = 72+88.62
Δ = 4° 54′ 50″ (RT)
D = 2° 32′ 51″
R = 2,249.13′
T = 96.51′
L = 192.90′
E = 2.07′
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 71+92.11
P.T. STA. = 73+85.01

⚠ Rev. 2-11-10

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	PLOT DATE = 2/5/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	67-1HBR	MONROE	144	51
		CONTRACT NO. 76977		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$" ϕ, open holes $\frac{15}{16}$" ϕ, unless otherwise noted.
2. Calculated weight of Structural Steel = 403,400 lbs
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
7. Concrete Sealer shall be applied to the designated areas of the abutments.
8. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray Munsell No. 5B YR 7/1. See Special Provision for "Cleaning and Painting New Metal Structures". (Δ)
9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
10. 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 the piles.
11. Slipforming of the parapets is not allowed.
12. The existing structural steel coating contains lead. The contractor shall take appropriate precautions to deal with the presence of lead on this project.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	-	-	1
Protective Coat	Sq Yd	1,322	55	1,377
Concrete Superstructure	Cu Yd	539	-	539
Concrete Structures	Cu Yd	-	543	543
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	115	-	115
Elastomeric Bearing Assembly, Type I	Each	16	-	16
Protective Shield	Sq Yd	1,018	-	1,018
Furnishing and Erecting Structural Steel	L Sum	1	-	1
Bridge Deck Grooving	Sq Yd	1,022	-	1,022
Stud Shear Connectors	Each	6,960	-	6,960
Reinforcement Bars, Epoxy Coated	Pound	117,522	84,498	202,020
Structure Excavation	Cu Yd	-	157	157
Concrete Sealer	Sq Ft	-	1531	1531
Slope Wall 4 Inch	Sq Yd	-	494	494
Geocomposite Wall Drain	Sq Yd	-	274	274
Test Pile Steel HP 12 x 53	Each	-	1	1
Furnishing Steel Piles HP 12 x 53	Foot	-	513	513
Driving Piles	Foot	-	513	513
Pile Shoes	Each	-	20	20
Pipe Underdrains for Structures 4 Inch	Foot	-	247	247
Bar Splicers	Each	-	303	303
Mechanical Splicers	Each	-	120	120
Porous Granular Embankment, Special	Cu Yd	-	139	139
Temporary Sheet Piling	Sq Ft	-	163	163
Rock Excavation For Structures	Cu Yd	-	349	349
Concrete Encasement	Cu Yd	-	7	7
Anchor Bolts 1½"	Each	-	32	32
Anchor Bolts 2"	Each	-	16	16
Pile Extraction	Each	-	8	8
Temporary Support System	L Sum	-	1	1
Temporary Soil Retention System	Sq Ft	-	207	207

STATION 110+99.40
BUILT BY
STATE OF ILLINOIS
F.A. RT. 158 SEC. 67-1HBR
LOADING HL-93
STR. NO. 067-0042

NAME PLATE
See Std. 515001

DESIGNED	JPM
CHECKED	WPM
DRAWN	GAP
CHECKED	JPM, WPM

9-28-09

MACTEC

Δ Rev. 2-11-10

INDEX OF DRAWINGS, BILL OF MATERIAL & GENERAL NOTES
STRUCTURE NO. 067-0042

SHEET NO. 2	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	809	67-1HBR	Monroe	144	66
			CONTRACT NO. 76977		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		