

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60P96	

*121+1 = 122 TOTAL SHEETS
D-91-640-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO.2

PROJECT LOCATED IN THE CITY OF WAUKEGAN

DESIGN DESIGNATION

IL RTE 137 (GREENWOOD AVENUE)

OTHER PRINCIPAL ARTERIAL (3.17) (FD-20)

TRAFFIC DATA

ADT 7,500 (2011)

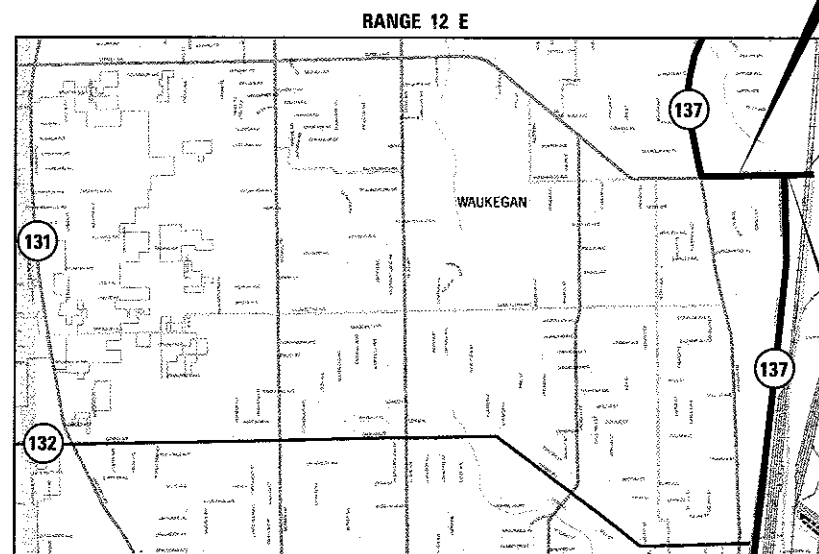
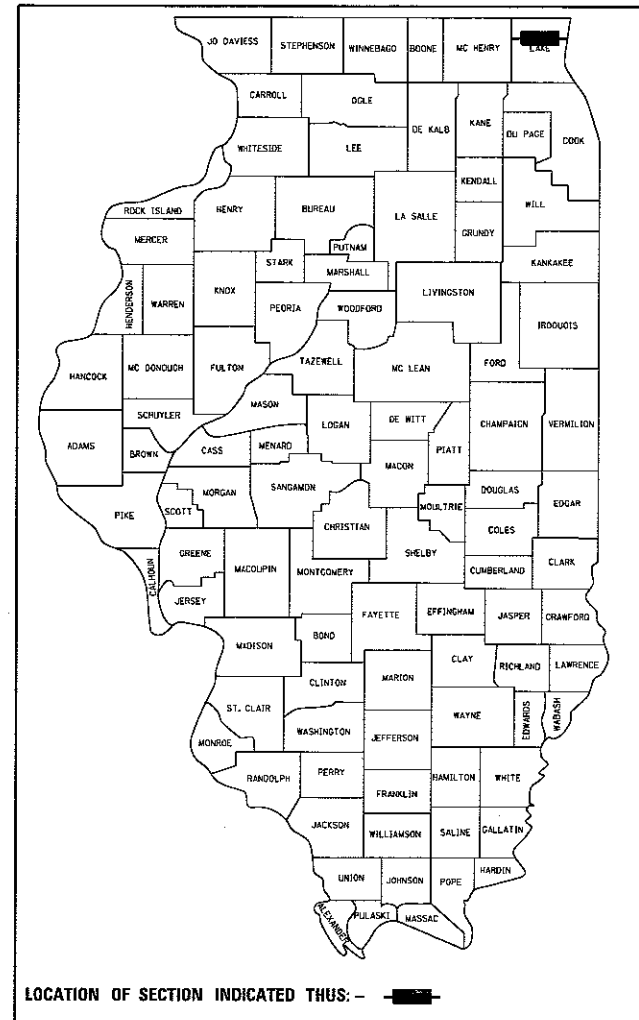
ADT 18,000 (2030)

POSTED SPEED 40 MPH

DESIGN SPEED 40 MPH

PROPOSED
HIGHWAY PLANS

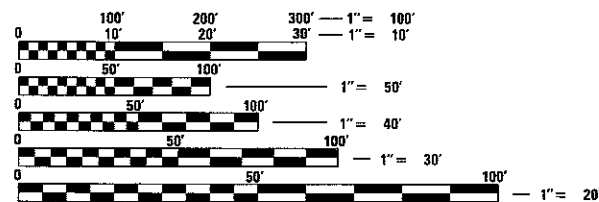
FAP ROUTE 352 (IL ROUTE 137) (GREENWOOD AVENUE)
SECTION 8HB-BR
OVER IL ROUTE 137 (AMSTUTZ EXPRESSWAY)
PROJECT NO.: NHPP-0352(017)
BRIDGE REMOVAL AND INTERSECTION IMPROVEMENTS
LAKE COUNTY
C-91-640-11



BEGIN IMPROVEMENT
STA. 14 + 24.00

END IMPROVEMENT
STA. 26 + 81.93

BRIDGE REMOVAL
STA. 20 + 78.68
EXIST SN 049-0117



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

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

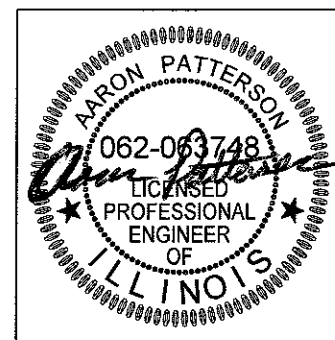
DISTRICT ONE - DESIGN
PROJECT MANAGER: MATTHEW ROTHENBERG, (847) 705-4230
PROJECT ENGINEER: ALIX BRICE, (847) 705-4552

CONTRACT NO. 60P96

WAUKEGAN TOWNSHIP
PROJECT NET AND GROSS LENGTH (GREENWOOD AVENUE) = 1257.93 FT = 0.238 MILE

LOCATION MAP

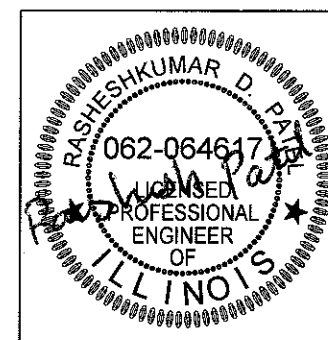
1" = 2000'



INFRASTRUCTURE ENGINEERING INCORPORATED
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SIGNATURE AND SEAL APPLY TO DRAWINGS NOS. 1-57 & 66-121

DATE: 03-15-2017
SEAL EXPIRES: 11-30-2017



SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

SIGNATURE AND SEAL APPLY TO DRAWINGS NOS. 58-65

DATE: 03-15-2017
SEAL EXPIRES: 11-30-2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 25 2017
[Signature]
REGIONAL ENGINEER

June 30 2017
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 30 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

STD NUMBER	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420101-05	24' (7.2 m) JOINTED PCC PAVEMENT
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-11	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
666001-01	RIGHT-OF-WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701406-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701422-09	LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	PRISMATIC CURB REFLECTORS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

DISTRICT ONE DETAILS

STD NUMBER	DESCRIPTION
BD-01	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 M)
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-05	DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED) CORRUGATED MEDIAN (MODIFIED)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BD-52	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS
BE-215	LIGHTING CONTROLLER SINGLE DOOR
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-301	LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE-400	ALUMINUM LIGHT POLE 47'-6" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRIC DETAILS SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BM-15	SCHEDULE OF LANDSCAPING ITEMS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

FILE NAME = P:\P-12\2513-00_PTB_161-13 - IL_137_Bridge\DDN\CADD_Sheets\061616-13-11\061616-13-11.dwg

USER NAME = ALewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS, AND DISTRICT ONE DETAILS

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	BHB-BR	LAKE	121	2
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH THE PROPOSED CURB & CUTTER TO THE EXISTING. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
2. ALL GUTTER OUTLETS SHALL BE EXTENDED TO THE DITCH FLOW LINE.
3. ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. UTILITIES
 - a. 48 HOURS BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES.
 - b. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OR HER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE HERETO.
 - c. THE CONTRACTOR SHALL NOTIFY THE CITY OF WAUKEGAN AND LAKE COUNTY IN ORDER TO COORDINATE WITH THE RELOCATION OF ANY CITY OR COUNTY OWNED UTILITIES.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET-UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. DRAINAGE
 - a. STORM SEWER WATER MAIN IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 1.5 FEET ABOVE THE TOP OF THE STORM SEWER.
 - b. STORM SEWER, RUBBER GASKET IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 1.5 FT (0.45 M) ABOVE THE TOP OF THE SEWER.
 - c. OFFSETS AND TOP OF FRAME ELEVATIONS FOR STRUCTURES WHICH ARE LOCATED IN THE GUTTER ARE GIVEN AT THE EDGE OF PAVEMENT. OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES NOT LOCATED IN THE GUTTER ARE GIVEN TO THE CENTER OF THE GRATE OR LID. STRUCTURES LOCATED IN THE GUTTER SHALL BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD. ALL OTHER STRUCTURES SHALL BE TURNED SO THAT THE FRAME IS FURTHEST FROM THE CENTER LINE OF THE ROAD UNLESS OTHERWISE NOTED ON THE PLANS.
 - d. STATIONS, OFFSETS, AND INVERT ELEVATIONS FOR FLARED END SECTIONS ARE GIVEN AT THE CENTER LINE OF THE OUTLET END OF THE FLARED END SECTION. THE FLARED END SECTION WILL BE SLOPED AT THE SAME SLOPE AS THE OUTLET PIPE.
 - e. PRECAST CONCRETE FLARED END SECTIONS AND METAL END SECTIONS TO BE REMOVED SHALL BE PAID FOR AS STORM SEWER REMOVAL OF THE SIZE SPECIFIED. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.

GENERAL NOTES (CONTINUED)

7. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR II BARRICADE USED.
8. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
9. THE RESIDENT ENGINEER SHALL NOTIFY DEBBIE HANLON, AREA TRAFFIC FIELD TECHNICIAN AT 847-438-2300 TWO WEEKS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.
10. ANY IMPROVED AGGREGATE SUBGRADE DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
11. SAW CUT (FULL DEPTH) SHALL BE REQUIRED AT THE JOINT BETWEEN PAVEMENT, SIDEWALK, CURB AND GUTTER, MEDIAN, DRIVEWAY PAVEMENT, HOT-MIX ASPHALT SURFACES TO BE REMOVED AND THAT LEFT IN PLACE OR AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS.
12. WHERE SECTION, SUBSECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE MONUMENT'S LOCATIONS.
13. REMOVAL OF EXISTING REGULATORY, WARNING, AND/OR TRAFFIC SIGNS WHICH INTERFERE WITH CONSTRUCTION AND/OR CONFLICT WITH CONSTRUCTION TRAFFIC PATTERNS DESCRIBED IN THE MAINTENANCE OF TRAFFIC PLANS OR DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE LUMP SUM CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
14. ALL PROPOSED CONCRETE MEDIANS SIX FEET WIDE OR LESS SHALL BE POURED MONOLITHICALLY AND THE OPTIONAL CONSTRUCTION JOINT SHOWN ON STANDARD 606301 WILL NOT BE ALLOWED.
15. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
16. THE EXISTING GROUND COVER SHALL REMAIN IN ANY AREA WHERE THERE IS NO PROPOSED GRADING.
17. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
18. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
19. CONTRACTOR SHALL LIMIT ALL CONSTRUCTION ACTIVITIES TO REMAIN IN THE EXISTING RIGHT OF WAY.
20. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.S.A AND B OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
21. CONTRACTOR SHALL NOTIFY MELISSA DEL ROSARIO, IDOT ROADSIDE DEVELOPEMENT UNIT, AT (847) 705-4391, A WEEK PRIOR TO PLANTING FOR LAYOUT APPROVAL.

FILE NAME = P:\P-12-2513-00 PTB 18113 - IL 137 B-Edge CDN\CADD Sheets\606P96-wrt-general-02.dgn

USER NAME = Alexis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AIG PROJECT			CONTRACT NO. 60P96	

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
					0005	0004	0021
					ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE	LIGHTING PLAN 80% FEDERAL 20% STATE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	345		345		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	34		34		
20100500	TREE REMOVAL, ACRES	ACRE	1.25		1.25		
* 20101100	TREE TRUNK PROTECTION	EACH	11		11		
20200100	EARTH EXCAVATION	CU YD	1410		1410		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	55		55		
20400800	FURNISHED EXCAVATION	CU YD	25070		25070		
20800150	TRENCH BACKFILL	CU YD	458		458		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2054		2054		
* 25000210	SEEDING, CLASS 2A	ACRE	0.25		0.25		
* 25000310	SEEDING, CLASS 4	ACRE	1.75		1.75		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	169		169		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	169		169		
* 25100630	EROSION CONTROL BLANKET	SQ YD	9058		9058		

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* SPECIALTY ITEM

FILE NAME = P:\P\12-2513-03 P18_18113 - IL 137 Bridge\CD\CA\CAD Sheets\080909.dwg

USER NAME = ALewis	DESIGNED - AGL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - AGL	REVISED -				352	8HB-BR	LAKE	121	4
PLOT DATE = 5/9/2017	CHECKED - AJP	REVISED -		SCALE: NTS	SHEET 1 OF 11 SHEETS	STA. TO STA.	CONTRACT NO. 60P96			
DATE - 03/15/2017	DATE -	REVISED -		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT						

URBAN

CODE NO.	ITEM	UNIT	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
			TOTAL QUANTITY	0005 ROADWAY 80% FEDERAL 20% STATE	0004 BRIDGE REMOVAL 80% FEDERAL 20% STATE	0021 LIGHTING PLAN 80% FEDERAL 20% STATE
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	9753	9753		
28000400	PERIMETER EROSION BARRIER	FOOT	2726	2726		
28000510	INLET FILTERS	EACH	7	7		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	4096	4096		
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	134	134		
35300410	PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"	SQ YD	3530	3530		
35300710	PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2"	SQ YD	242	242		
35600714	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2"	SQ YD	98	98		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8832	8832		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	552	552		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	79	79		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	36	36		
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1099	1099		
42001300	PROTECTIVE COAT	SQ YD	7060	7060		

14

* SPECIALTY ITEM

FILE NAME = P:\P12\2013-08 PTB 181-13 - IL 137 Bridge\030817\0300 Sheets\060906-ent-300.dgn

USER NAME = ALW10	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 352	SECTION 8HD-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 5
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
			TOTAL QUANTITY	0005 ROADWAY 80% FEDERAL 20% STATE	0004 BRIDGE REMOVAL 80% FEDERAL 20% STATE	0021 LIGHTING PLAN 80% FEDERAL 20% STATE
550A0360	STORMSEWERS, CLASS A, TYPE 2 15"	FOOT	557	557		
55100500	STORMSEWER REMOVAL 12"	FOOT	95	95		
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7	7		
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	5	5		
60500060	REMOVING INLETS	EACH	3	3		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	14.7	14.7		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2328	2328		
60624620	CORRUGATED MEDIAN (MODIFIED)	SQ FT	132	132		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1662.5	1662.5		
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	75	75		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	5		
* 63100080	TRAFFIC BARRIER TERMINAL, TYPE 5R	EACH	1	1		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		

14

* SPECIALTY ITEM

FILE NAME = P:\P-12\2613-00 P1B 1B-13 - IL 137 Bridge\DRN\CAD Sheets\060916-mkt-500.dgn

USER NAME = ALewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: NTS	SHEET 4 OF 11 SHEETS
STA.	TO STA.

F.A.P. RTE. 352	SECTION 84B-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 7
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
					0005	0004	0021
				ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE	LIGHTING PLAN 80% FEDERAL 20% STATE	
63200310	GUARDRAIL REMOVAL	FOOT	2108	2108			
63700160	CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT	FOOT	257	257			
63700900	CONCRETE BARRIER BASE	FOOT	257	257			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3650	3650			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12			
67100100	MOBILIZATION	LSUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	700	700			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	24574	24574			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1452	1452			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	119	119			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	612.5	612.5			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	450.0	450.0			

14

* SPECIALTY ITEM

FILE NAME: P:\P12\2013-08\PTB_18-13 - IL 137 Bridge\CCNY\CADD_Sheets\069916-ak-S00.dgn

USER NAME = ALONIS	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/6/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: NTS	SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 8
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				0005	0004	0021	
				ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE	LIGHTING PLAN 80% FEDERAL 20% STATE	
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	4	4			
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	182	182			
* 72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	65	65			
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8			
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	558	558			
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	288	288			
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	20	20			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	312	312			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8517	8517			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1019	1019			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	621	621			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1056	1056			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	77	77			

14

* SPECIALTY ITEM

FILE NAME = P:\P12\2013-08 PTB IBI-13 - IL 137 Bridge\DDN\CADD Sheets\060916-ahz-500.dgn

USER NAME = A Lewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HD-BR	LAKE	121	9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60P96				

URBAN

CODE NO.	ITEM	UNIT	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				0005	0004	0021
			TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE	LIGHTING PLAN 80% FEDERAL 20% STATE
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	352	352		
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	225	225		
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	59	59		
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	54	54		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	162	162		
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	263	263	
* 78200020	CURB REFLECTORS	EACH	89	89		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	25	25		
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	4	4		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	4	4		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	200	200	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1			1
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	291			291

* SPECIALTY ITEM

FILE NAME = P:\P-12\2813-80 PTS 1B1-13 - IL 137 Bridge CON-CADD Sheets\068P96-INT-500.dgn

USER NAME = ALewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: NTS	SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-8R	LAKE	121	10
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	CONSTR. CODE			
			TOTAL QUANTITY	0005 ROADWAY 80% FEDERAL 20% STATE	0004 BRIDGE REMOVAL 80% FEDERAL 20% STATE	0021 LIGHTING PLAN 80% FEDERAL 20% STATE
* 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	3577			3577
* 81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	162			162
* 81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	350			350
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	13			13
* 82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1			1
* 83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	13			13
* 83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	1			1
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	130			130
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	13			13
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	1			1
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	8			8
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	8			8
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1			1
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1			1

* SPECIALTY ITEM

FILE NAME = F:\P\12\2013\03\000 PTB 18-13 - IL 137 Bridge\WORK\CADD Sheets\060906-18-1300.dgn

USER NAME = ALOUIS	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJF	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET 8 OF 11 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60P96				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
				0005	0004	0021	
				ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE	LIGHTING PLAN 80% FEDERAL 20% STATE	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	960				960
Z0004542	HOT-MIX ASPHALT REMOVAL (SPECIAL)	SQ YD	228	228			
Z0004552	APPROACH SLAB REMOVAL	SQ YD	1254	1254			
Z0012752	CONCRETE STRUCTURE REPAIR	CU FT	10.5	10.5			
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	3	3			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	50	50			
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	13				13
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12				12
Z0055605	RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT	SQ YD	1782	1782			
Z0076600	TRAINees	HOuR	500	500			
Z0073346	SLEEPER SLAB	SQ YD	87	87			
Z0076604	TRAINees - TRAINING PROGRAM GRADUATE	HOuR	500	500			
A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7			
A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
A2006820	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6			

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* SPECIALTY ITEM □ NON-PARTICIPATING ∅ 0042

FILE NAME = PAP-12-2013-08 P1B 1B1-13 - IL 137 Bridge-URBAN-CADD Sheets-LOGGING-sha-3100.dgn

USER NAME = ALouis	DESIGNED - AGL	REVISED -
PLOT SCALE =	DRAWN - AGL	REVISED -
PLOT DATE = 5/8/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: NTS	SHEET 9 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	12
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

Rev

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
					0005	0004	0021
				ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE		LIGHTING PLAN 80% FEDERAL 20% STATE
* A2016616	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7			
* C2000536	SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	400	400			
* K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	1	1			
X0322141	REMOVE TEMPORARY WOOD POLE	EACH	2				2
X0326760	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	1				1
X0327004	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	2				2
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	4221	4221			
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	9665	9665			
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	6182	6182			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3			
X6061300	CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)	SQ FT	4255	4255			
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	262.5	262.5			
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	4	4			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1			

* SPECIALTY ITEM

* SPECIALTY ITEM

FILE NAME = P:\P12\2613-08 P18 18-13 - IL 137 Bridge\CONTRACT\Drawings\060916-18-13.dwg

14

USER NAME = ALewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 134
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60P96	

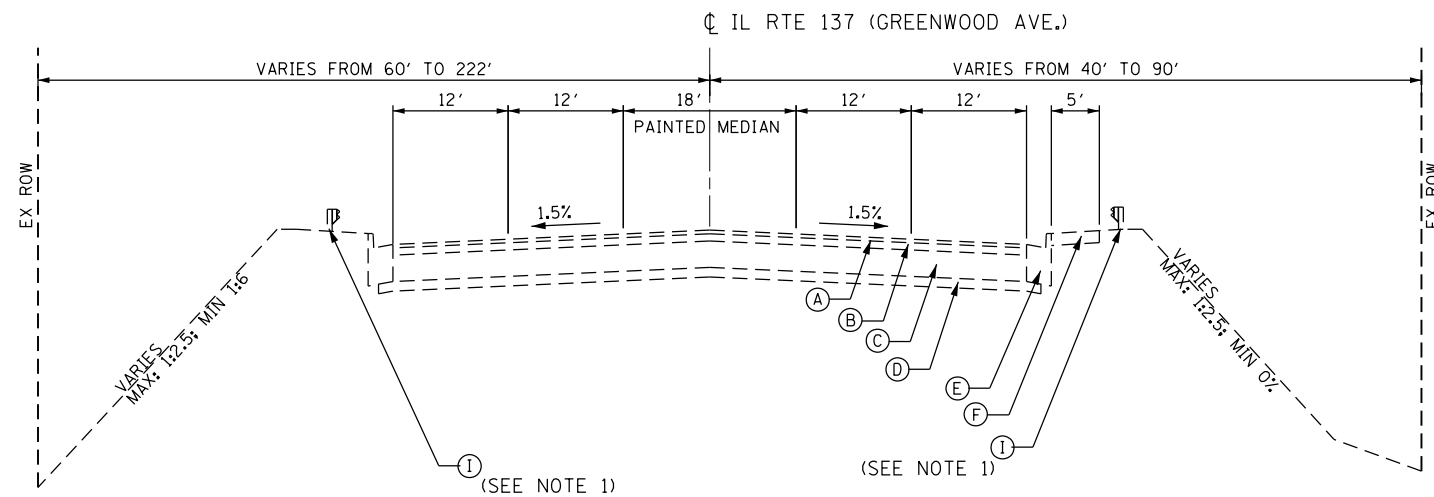
urban

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE	CONSTR. CODE
					0005	6004	0021
				ROADWAY 80% FEDERAL 20% STATE	BRIDGE REMOVAL 80% FEDERAL 20% STATE		LIGHTING PLAN 80% FEDERAL 20% STATE
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	120	120			
X8130125	REMOVE EXISTING JUNCTION BOX	EACH	3				3
X8210040	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	1				1

FILE NAME = F:\P-12\2813-00 P16 161-13 - IL 137 Bridge\CON\CADD Sheets\UGBR96-akt-300.dgn

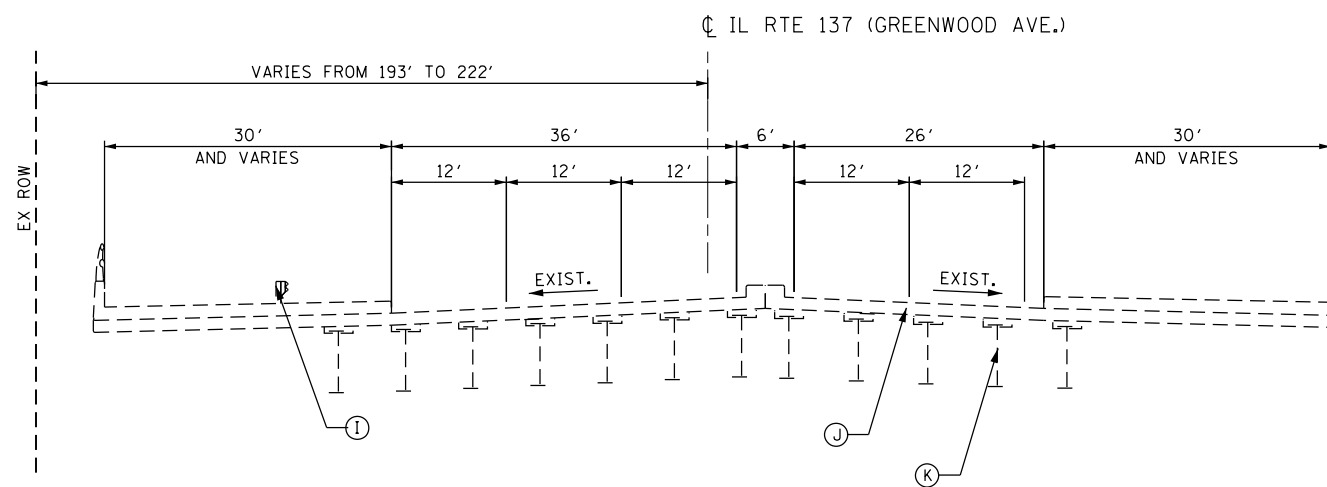
* SPECIALTY ITEM

USER NAME = A Lewis	DESIGNED - AGL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. RTE. = 352	SECTION = 8HB-BR	COUNTY = LAKE	TOTAL SHEETS = 121	SHEET NO. = 13	
PLOT SCALE =	DRAWN - AGL	REVISED -		SCALE: NTS	SHEET 11 OF 11 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
PLOT DATE = 5/8/2017	CHECKED - AJP	REVISED -		CONTRACT NO. 60P96					
	DATE - 03/15/2017	REVISED -							



(A) EXISTING TYPICAL ROADWAY SECTION

IL ROUTE 137 (GREENWOOD AVE.)
STA 14+24.00 TO STA 19+81.69



(B) EXISTING TYPICAL BRIDGE SECTION

IL ROUTE 137 (GREENWOOD AVE.)
STA 19+81.69 STA 21+76.00

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (B) EXISTING LEVELING BINDER (MACHINE METHOD), N70, 1"
- (C) EXISTING HOT-MIX ASPHALT BASE COURSE, (DEPTH VARIES)
- (D) EXISTING SUBBASE GRANULAR MATERIAL
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (H) EXISTING HOT-MIX ASPHALT SUB-BASE, 4"
- (I) EXISTING GUARDRAIL
- (J) EXISTING BRIDGE DECK
- (K) EXISTING STEEL GIRDERS
- (L) EXISTING SHOULDER
- (M) EXISTING RETAINING WALL
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5)
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (9) CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT
- (10) AGGREGATE SHOULDERS, TYPE B 10"
- (11) TOPSOIL EXCAVATION AND PLACEMENT, 4"
- (12) GRADED SHELF
- (13) HMA BASE COURSE WIDENING, 9/2"
- (14) CONCRETE BARRIER BASE
- (15) PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2"

NOTES

1. EXISTING GUARDRAIL BEGINS AT STA 17+74.4 LT AND STA 18+75.8 RT TO STA 22+20.6 RT
2. PROPOSED GUARDRAIL FROM STA 18+18.7 RT TO STA 19+21.8 RT
3. PROPOSED GUARDRAIL FROM STA 17+78.2 LT TO STA 24+08.7 LT
4. PROPOSED RAMP C GUARDRAIL FROM STA 21+45.7 RT TO STA 29+94.6 RT
5. PROPOSED RAMP D GUARDRAIL FROM STA 30+00.0 RT TO STA 35+55.5 RT
6. PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH, (1" - 3") STA. 14+24 TO STA 19+81.69 STA. 21+76 TO STA 24+18.20
7. A HMA SURFACE COURSE WILL BE PLACED ON THE PEDESTRIAN WALK IN THE ISLAND
8. THERE WILL BE NO HMA MIXTURE PLACED BETWEEN PORTLAND CEMENT CONCRETE BASE COURSE 10" AND CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
9. GRADED SHELF BEGINS AT 17+66.09

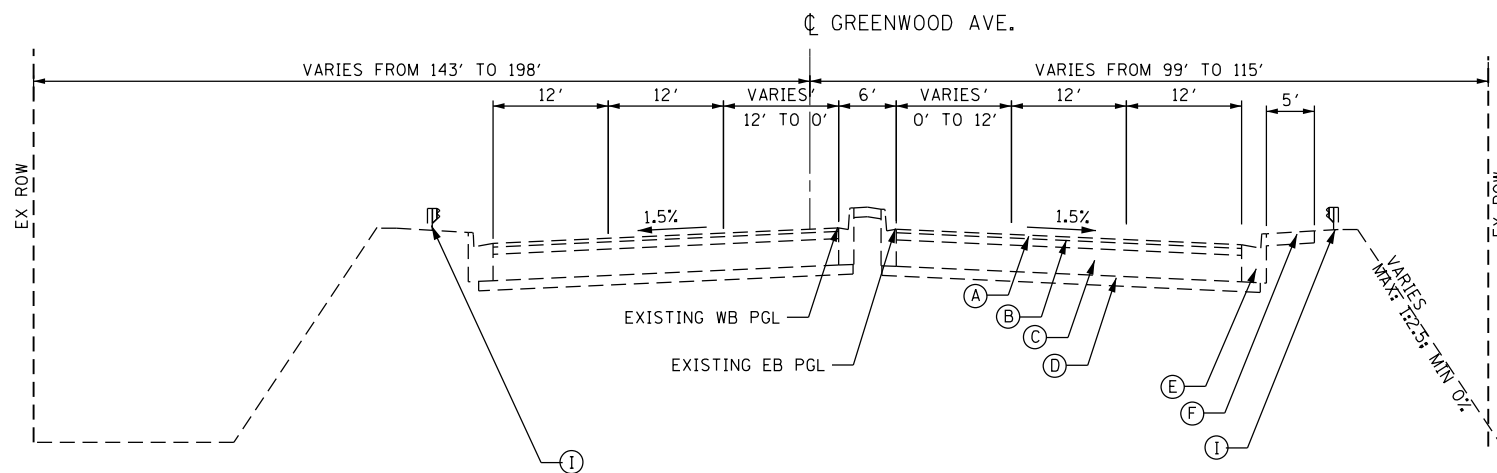
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USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

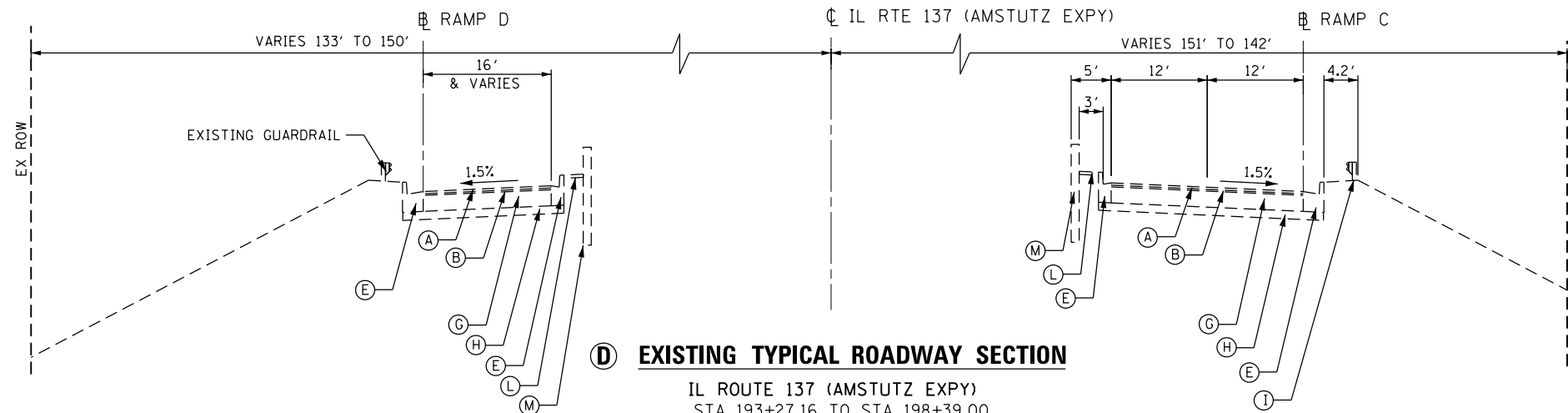
TYPICAL SECTIONS	
SCALE: NTS	SHEET 1 OF 5 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	14
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



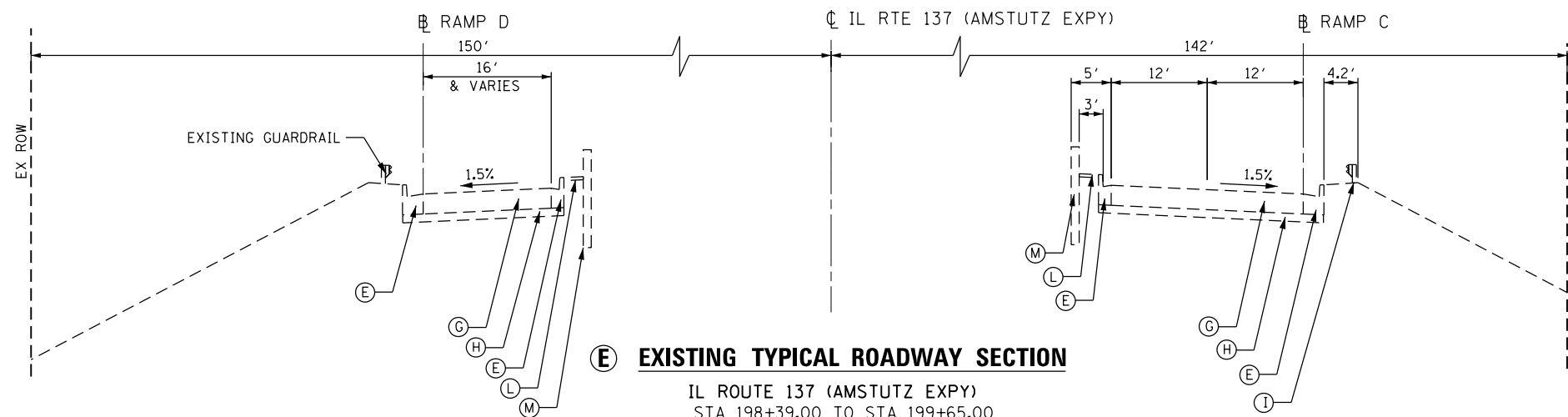
C EXISTING TYPICAL ROADWAY SECTION

GREENWOOD AVE
STA 21+76.00 TO STA 26+81.93



D EXISTING TYPICAL ROADWAY SECTION

IL ROUTE 137 (AMSTUTZ EXPY)
STA 193+27.16 TO STA 198+39.00



E EXISTING TYPICAL ROADWAY SECTION

IL ROUTE 137 (AMSTUTZ EXPY)
STA 198+39.00 TO STA 199+65.00

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (B) EXISTING LEVELING BINDER (MACHINE METHOD), N70, 1"
- (C) EXISTING HOT-MIX ASPHALT BASE COURSE, (DEPTH VARIES)
- (D) EXISTING SUBBASE GRANULAR MATERIAL
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (H) EXISTING HOT-MIX ASPHALT SUB-BASE, 4"
- (I) EXISTING GUARDRAIL
- (J) EXISTING BRIDGE DECK
- (K) EXISTING STEEL GIRDERS
- (L) EXISTING SHOULDER
- (M) EXISTING RETAINING WALL
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5)
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (9) CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT
- (10) AGGREGATE SHOULDERS, TYPE B 10"
- (11) TOPSOIL EXCAVATION AND PLACEMENT, 4"
- (12) GRADED SHELF
- (13) HMA BASE COURSE WIDENING, 9/2"
- (14) CONCRETE BARRIER BASE
- (15) PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2"

NOTES

1. EXISTING GUARDRAIL BEGINS AT STA 17+74.4 LT AND STA 18+75.8 RT TO STA 22+20.6 RT
2. PROPOSED GUARDRAIL FROM STA 18+18.7 RT TO STA 19+21.8 RT
3. PROPOSED GUARDRAIL FROM STA 17+78.2 LT TO STA 24+08.7 LT
4. PROPOSED RAMP C GUARDRAIL FROM STA 21+45.7 RT TO STA 29+94.6 RT
5. PROPOSED RAMP D GUARDRAIL FROM STA 30+00.0 RT TO STA 35+55.5 RT
6. PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH, (1" - 3") STA. 14+24 TO STA 19+81.69 STA. 21+76 TO STA 24+18.20
7. A HMA SURFACE COURSE WILL BE PLACED ON THE PEDESTRIAN WALK IN THE ISLAND
8. THERE WILL BE NO HMA MIXTURE PLACED BETWEEN PORTLAND CEMENT CONCRETE BASE COURSE 10" AND CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
9. GRADED SHELF BEGINS AT 17+66.09

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DDN\CADD Sheets\060819-09-shr-typical.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
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PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: NTS	SHEET 2 OF 5 SHEETS
STA. N/A	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	15
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (B) EXISTING LEVELING BINDER (MACHINE METHOD), N70, 1"
- (C) EXISTING HOT-MIX ASPHALT BASE COURSE, (DEPTH VARIES)
- (D) EXISTING SUBBASE GRANULAR MATERIAL
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (H) EXISTING HOT-MIX ASPHALT SUB-BASE, 4"
- (I) EXISTING GUARDRAIL
- (J) EXISTING BRIDGE DECK
- (K) EXISTING STEEL GIRDERS
- (L) EXISTING SHOULDER
- (M) EXISTING RETAINING WALL
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5)
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (9) CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT
- (10) AGGREGATE SHOULDERS, TYPE B 10"
- (11) TOPSOIL EXCAVATION AND PLACEMENT, 4"
- (12) GRADED SHELVE
- (13) HMA BASE COURSE WIDENING, 9/2"
- (14) CONCRETE BARRIER BASE
- (15) PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2"

NOTES

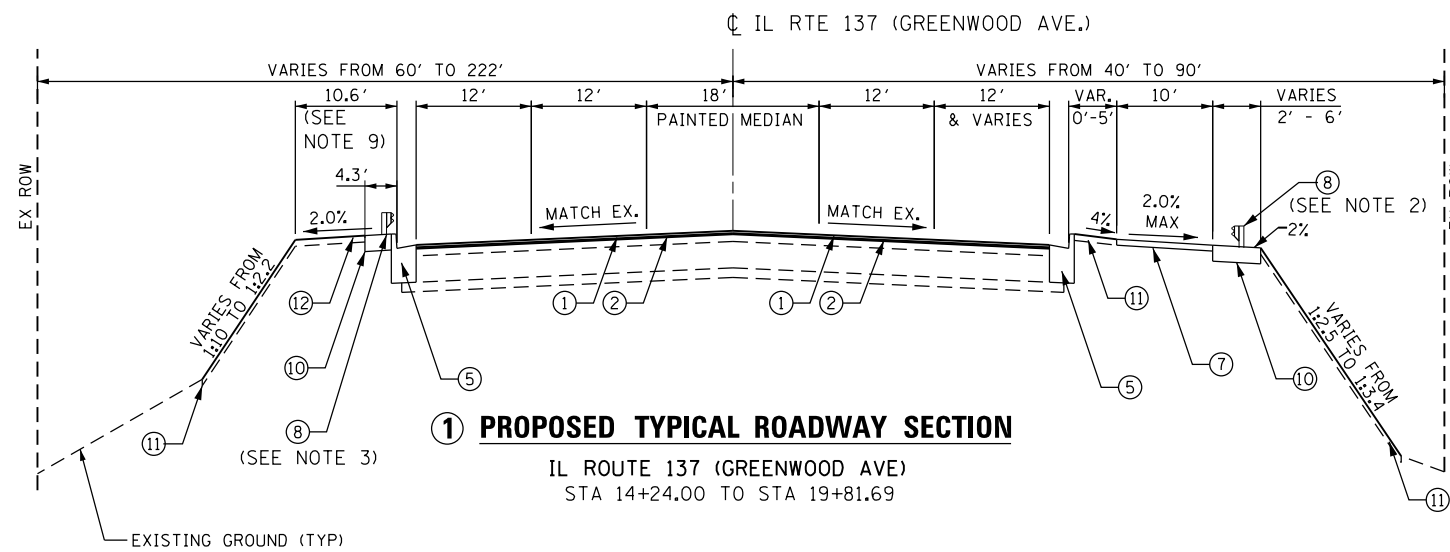
1. EXISTING GUARDRAIL BEGINS AT STA 17+74.4 LT AND STA 18+75.8 RT TO STA 22+20.6 RT
2. PROPOSED GUARDRAIL FROM STA 18+18.7 RT TO STA 19+21.8 RT
3. PROPOSED GUARDRAIL FROM STA 17+78.2 LT TO STA 24+08.7 LT
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7. A HMA SURFACE COURSE WILL BE PLACED ON THE PEDESTRIAN WALK IN THE ISLAND
8. THERE WILL BE NO HMA MIXTURE PLACED BETWEEN PORTLAND CEMENT CONCRETE BASE COURSE 10" AND CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
9. GRADED SHELVE BEGINS AT 17+66.09

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

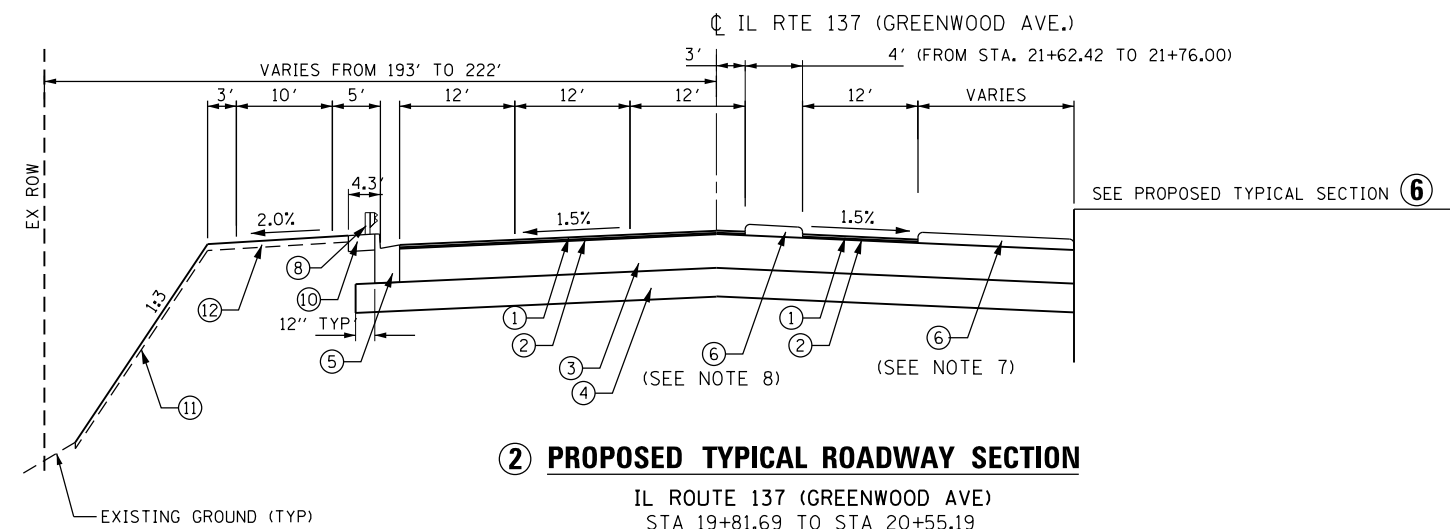
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PEDESTRIAN WALK		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" (IL-9.5)	4% @ 50 Gyr.	QC/OA
PAVEMENT RECONSTRUCTION (GREENWOOD AVENUE) & (RAMPS C & D)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5)	4% @ 70 Gyr.	QC/OA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"	3.5% @ 50 Gyr.	QC/OA
HMA BASE COURSE WIDENING, 9/2"		
HMA BINDER (IL-19)	4% @ 70 Gyr.	QC/OA
RESURFACING (GREENWOOD AVENUE)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 2" (IL-9.5)	4% @ 70 Gyr.	QC/OA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (1" MIN)	3.5% @ 50 Gyr.	QC/OA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2" (IL-9.5)	4% @ 50 Gyr.	QC/OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19)	4% @ 70 Gyr.	QC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)

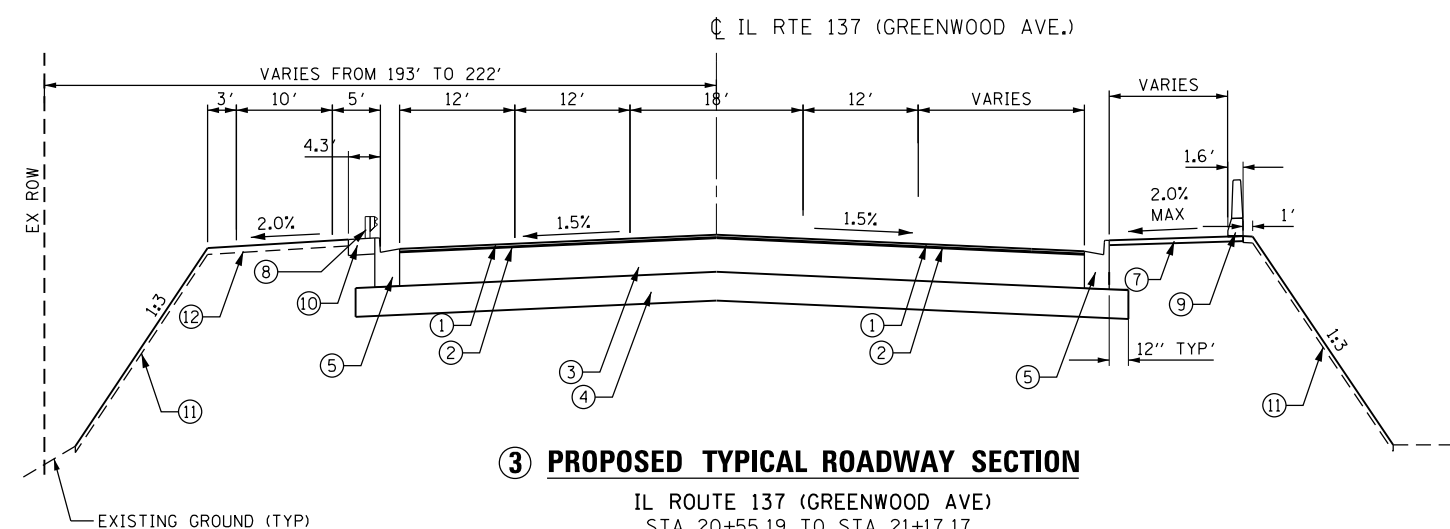
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SOYD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HOT MIX ASPHALT MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
3. CONTRACTOR SHALL MILL BEFORE PATCHING.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



1 PROPOSED TYPICAL ROADWAY SECTION
IL ROUTE 137 (GREENWOOD AVE)
STA 14+24.00 TO STA 19+81.69



2 PROPOSED TYPICAL ROADWAY SECTION
IL ROUTE 137 (GREENWOOD AVE)
STA 19+81.69 TO STA 20+55.19
STA 21+17.17 TO STA 21+76.00



3 PROPOSED TYPICAL ROADWAY SECTION
IL ROUTE 137 (GREENWOOD AVE)
STA 20+55.19 TO STA 21+17.17

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DDN\CADD Sheets\068\95-sht-typical.dgn

USER NAME = ALewis	DESIGNED - AGL	REVISED -
PLOT SCALE =	DRAWN - AGL	REVISED -
PLOT DATE = 5/12/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

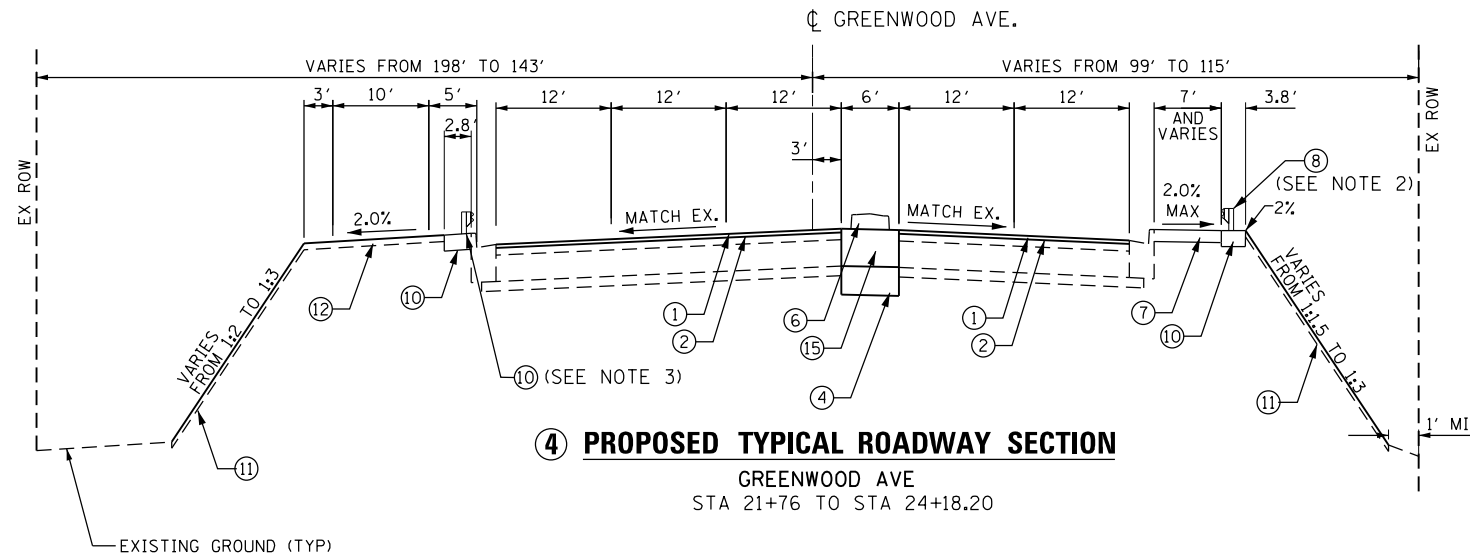
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS
SCALE: NTS SHEET 3 OF 5 SHEETS STA. N/A TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	16
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (B) EXISTING LEVELING BINDER (MACHINE METHOD), N70, 1"
- (C) EXISTING HOT-MIX ASPHALT BASE COURSE, (DEPTH VARIES)
- (D) EXISTING SUBBASE GRANULAR MATERIAL
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (H) EXISTING HOT-MIX ASPHALT SUB-BASE, 4"
- (I) EXISTING GUARDRAIL
- (J) EXISTING BRIDGE DECK
- (K) EXISTING STEEL GIRDERS
- (L) EXISTING SHOULDER
- (M) EXISTING RETAINING WALL
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5)
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (9) CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT
- (10) AGGREGATE SHOULDERS, TYPE B 10"
- (11) TOPSOIL EXCAVATION AND PLACEMENT, 4"
- (12) GRADED SHELF
- (13) HMA BASE COURSE WIDENING, 9/2"
- (14) CONCRETE BARRIER BASE
- (15) PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2"

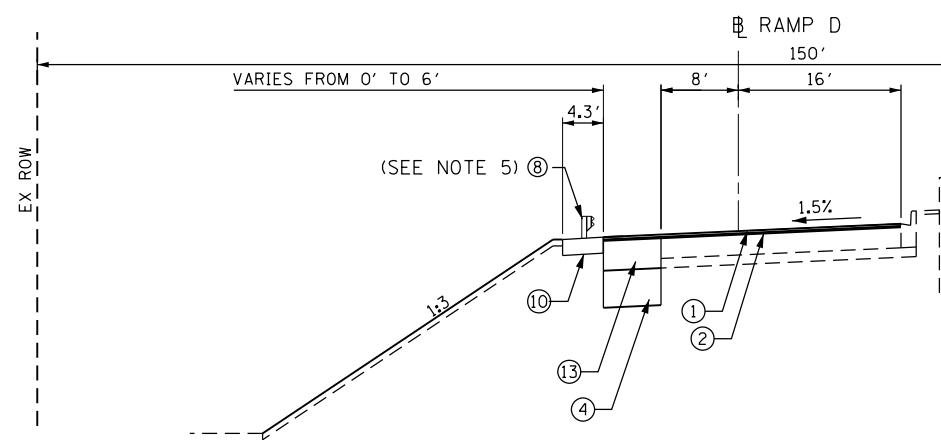


4 PROPOSED TYPICAL ROADWAY SECTION

GREENWOOD AVE
STA 21+76 TO STA 24+18.20

NOTES

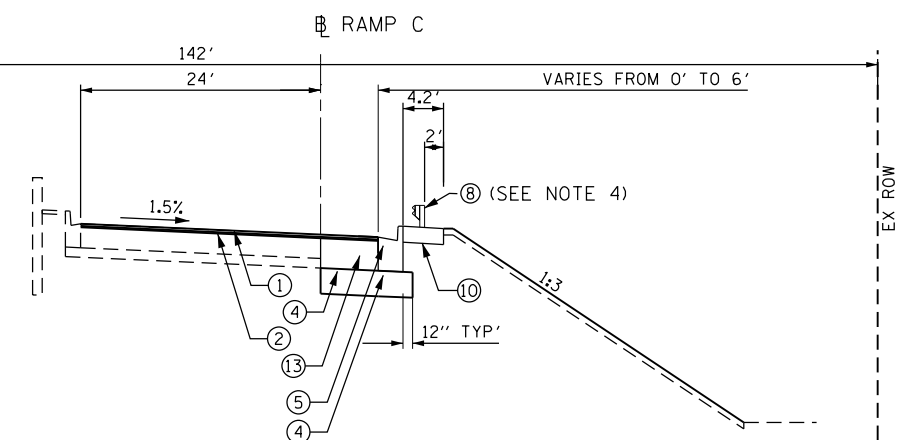
1. EXISTING GUARDRAIL BEGINS AT STA 17+74.4 LT AND STA 18+75.8 RT TO STA 22+20.6 RT
2. PROPOSED GUARDRAIL FROM STA 18+18.7 RT TO STA 19+21.8 RT
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7. A HMA SURFACE COURSE WILL BE PLACED ON THE PEDESTRIAN WALK IN THE ISLAND
8. THERE WILL BE NO HMA MIXTURE PLACED BETWEEN PORTLAND CEMENT CONCRETE BASE COURSE 10" AND CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
9. GRADED SHELF BEGINS AT 17+66.09



RAMP D
STA. 33+30.00 TO STA. 31+60.07

5 PROPOSED TYPICAL ROADWAY SECTION

IL ROUTE 137 (AMSTUTZ EXPY)
STA 196+70.00 TO STA 198+39.96



RAMP C
STA. 24+91.18 TO STA. 26+56.40

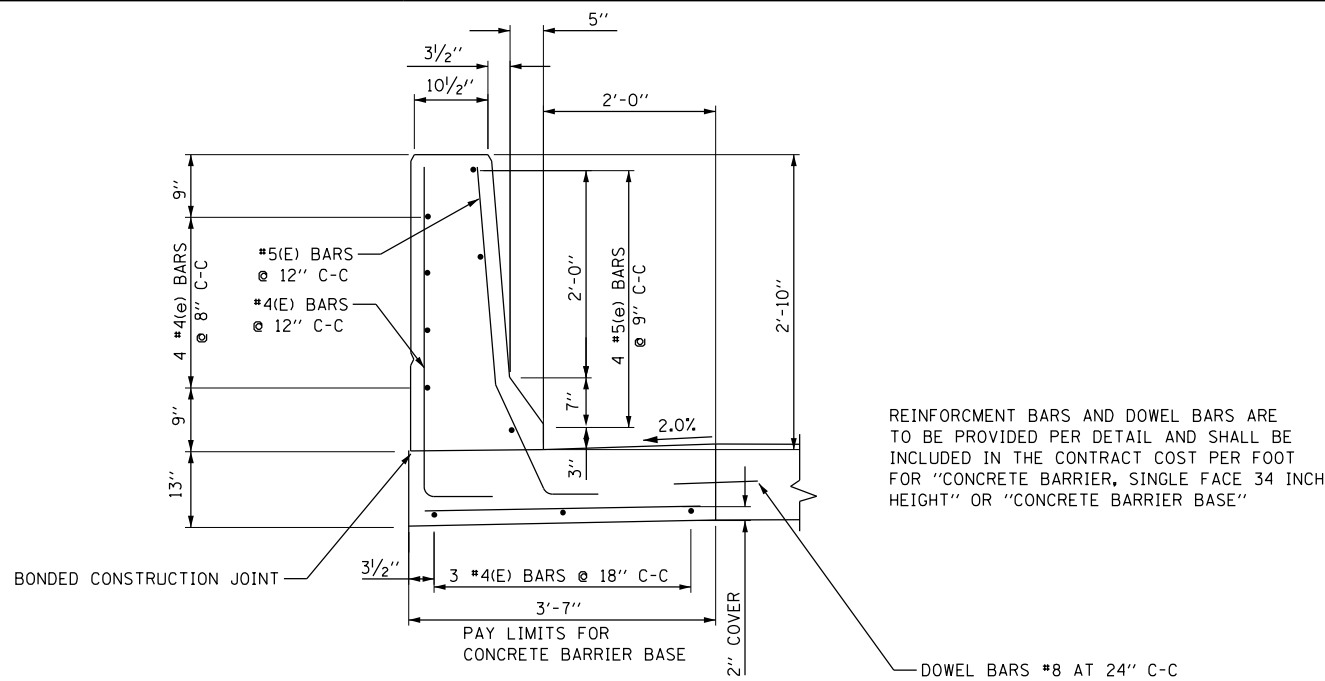
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USER NAME = APatterson	DESIGNED - AGL	REVISED -
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PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

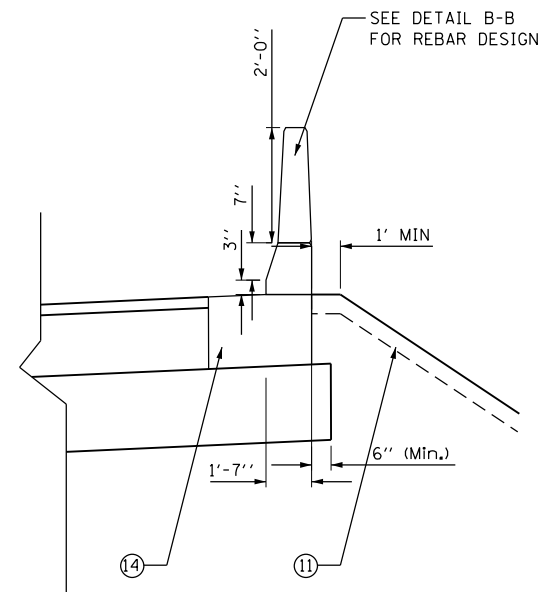
TYPICAL SECTIONS	
SCALE: NTS	SHEET 4 OF 5 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	17
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL B-B
REINFORCEMENT FOR
CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT
AND CONCRETE BARRIER BASE

REINFORCEMENT BARS AND DOWEL BARS ARE TO BE PROVIDED PER DETAIL AND SHALL BE INCLUDED IN THE CONTRACT COST PER FOOT FOR "CONCRETE BARRIER, SINGLE FACE 34 INCH HEIGHT" OR "CONCRETE BARRIER BASE"



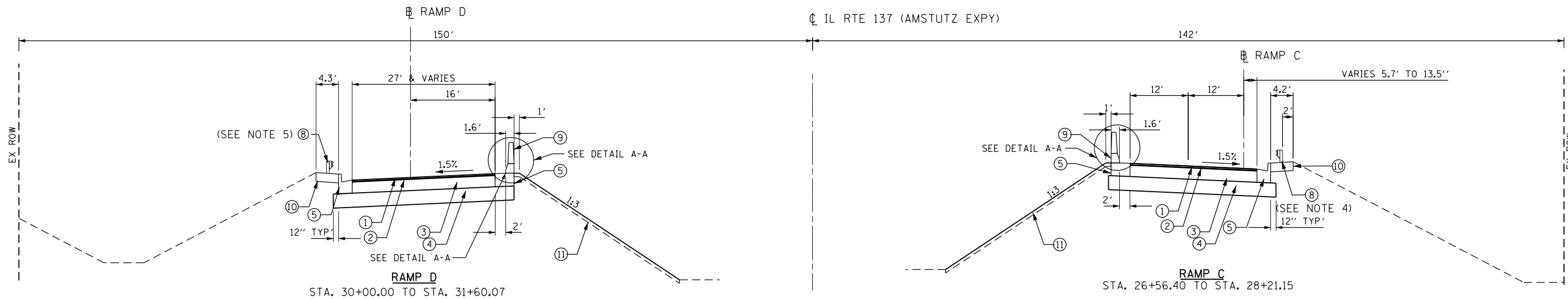
DETAIL A-A

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (B) EXISTING LEVELING BINDER (MACHINE METHOD), N70, 1"
- (C) EXISTING HOT-MIX ASPHALT BASE COURSE, (DEPTH VARIES)
- (D) EXISTING SUBBASE GRANULAR MATERIAL
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (H) EXISTING HOT-MIX ASPHALT SUB-BASE, 4"
- (I) EXISTING GUARDRAIL
- (J) EXISTING BRIDGE DECK
- (K) EXISTING STEEL GIRDERS
- (L) EXISTING SHOULDER
- (M) EXISTING RETAINING WALL
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5)
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (9) CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT
- (10) AGGREGATE SHOULDERS, TYPE B 10"
- (11) TOPSOIL EXCAVATION AND PLACEMENT, 4"
- (12) GRADED SHELFF
- (13) HMA BASE COURSE WIDENING, 9/2"
- (14) CONCRETE BARRIER BASE
- (15) PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2"

NOTES

1. EXISTING GUARDRAIL BEGINS AT STA 17+74.4 LT AND STA 18+75.8 RT TO STA 22+20.6 RT
2. PROPOSED GUARDRAIL FROM STA 18+18.7 RT TO STA 19+21.8 RT
3. PROPOSED GUARDRAIL FROM STA 17+78.2 LT TO STA 24+08.7 LT
4. PROPOSED RAMP C GUARDRAIL FROM STA 21+45.7 RT TO STA 29+94.6 RT
5. PROPOSED RAMP D GUARDRAIL FROM STA 30+00.0 RT TO STA 35+55.5 RT
6. PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH, (1" - 3") STA. 14+24 TO STA 19+81.69 STA. 21+76 TO STA 24+18.20
7. A HMA SURFACE COURSE WILL BE PLACED ON THE PEDESTRIAN WALK IN THE ISLAND
8. THERE WILL BE NO HMA MIXTURE PLACED BETWEEN PORTLAND CEMENT CONCRETE BASE COURSE 10" AND CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
9. GRADED SHELFF BEGINS AT 17+66.09



6 PROPOSED TYPICAL ROADWAY SECTION
 IL ROUTE 137 (AMSTUTZ EXPY)
 STA 198+35.21 TO STA 199+67.05

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DDN\CADD Sheets\060919-9-sh1-typical.dgn

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PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE: NTS	SHEET 5 OF 5 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	18
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

INDEX OF SCHEDULES

		SEE SHEET
1	EARTHWORK	1
2	LANDSCAPING AND TREE REMOVAL	1 TO 2
3	SEEDING	2
4	EROSION CONTROL	2
5	PAVEMENT	2 TO 3
6	REMOVAL	3
7	DRAINAGE	3 TO 4
8	CONCRETE	4
9	GUARDRAIL	4
10	PAVEMENT MARKING	5
11	SIGNING ITEMS	5
12	MAINTENANCE OF TRAFFIC	6
13	LUMP SUM ITEMS	6

1. EARTHWORK SCHEDULE

FROM	TO	EARTH EXCAVATION CU YD									EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU YD			EMBANKMENT CU YD			EARTHWORK BALANCE EXCESS (+) OR SHORTAGE(-) CU YD			FURNISHED EXCAVATION CU YD			TOPSOIL EXCAVATION AND PLACEMENT CU YD			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU YD		
		STAGE 1			STAGE 2			STAGE 3			STAGE 1			STAGE 2			STAGE 3			STAGE 1			STAGE 2			STAGE 3		
		IL 137 (GREENWOOD AVE)																										
14+24.00	19+81.69	0	0	5	0	0	5	488	0	113	-488	0	-108				77	0	74	184	0	100						
19+91.69	21+76.00	0	0	1,297	0	0	1,102	0	3,145	8,530	0	-3,145	-7,428				0	0	230	0	0	-28						
21+76.00	24+18.20	4	0	104	3	0	88	1,225	0	2,267	-1,222	0	-2,179				109	0	158	248	0	207						
IL 137 (AMSTUTZ EXPY)																												
198+35.40	199+67.05	0	0	0	0	0	0	1,095	9,405	0	-1,095	-9,405	0				230	1,177	0	521	-1,177	0						
STAGE TOTAL		4	0	1,406	3	0	1,195	2,808			-2,805	-12,549	-9,715			25,070	415	1,177	462	953	-1,177	279						
GRAND TOTAL		1,410			1,198			2,808			-25,070			25,070			2,054			55								

2. LANDSCAPING AND TREE REMOVAL

FROM	TO	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED EACH	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED EACH	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED EACH	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED EACH	SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY), 3' HEIGHT, BALLED AND BURLAPPED EACH
IL 137 (GREENWOOD AVE)						
14+24.00	19+81.69	2	0	1	0	0
19+81.69	21+76.00	1	0	5	0	0
21+76.00	24+18.20	4	6	0	4	0
24+18.20	26+81.78	0	0	0	0	0
RAMP C						
21+48.35	28+00.00	0	0	0	3	200
RAMP D						
30+21.00	35+74.43	0	4	0	0	200
TOTAL		7	10	6	7	400

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USER NAME = ALewis	DESIGNED - AGL	REVISED -
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PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	19
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

2. LANDSCAPING AND TREE REMOVAL

FROM	TO	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL GALLON	TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	TREE TRUNK PROTECTION EACH	TREE REMOVAL, ACRES ACRE
IL 137 (GREENWOOD AVE)						
14+24.00	19+81.69	0.2	220	16	11	1.00
19+81.69	21+76.00	0.2	63	18	0	0.00
21+76.00	24+18.20	0.2	41	0	0	0.25
24+18.20	26+81.78	0	21	0	0	0.00
RAMP C						
21+48.35	28+00.00	0.2	0	0	0	0.00
RAMP D						
30+21.00	35+74.43	0.2	0	0	0	0.00
TOTAL		1	345	34	11	1.25

3. SCHEDULE OF SEEDING ITEMS

FROM	TO	SEEDING, CLASS 2A ACRE	SEEDING, CLASS 4 ACRE	NITROGEN FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND
IL 137 (GREENWOOD AVE)					
14+24.00	19+81.69	0.09	0.46	40	40
19+81.69	21+76.00	0.07	0.29	32	32
21+76.00	24+18.20	0.09	0.57	58	58
24+18.20	26+81.78	0.00	0.05	4	4
RAMP C					
21+48.35	28+00.00	0.00	0.19	17	17
RAMP D					
30+21.00	35+74.43	0.00	0.19	17	17
TOTAL		0.25	1.75	169	169

4. SCHEDULE OF EROSION CONTROL

FROM	TO	EROSION CONTROL BLANKET SQ YD	TEMPORARY EROSION CONTROL SEEDING POUND	PERIMETER EROSION BARRIER FOOT	INLET FILTERS EACH
IL 137 (GREENWOOD AVE)					
14+24.00	19+81.69	2128	2291	1385	6
19+81.69	21+76.00	1714	1846	354	1
21+76.00	24+18.20	3115	3354	0	0
24+18.20	26+81.78	227	245	0	0
RAMP C					
21+48.35	28+00.00	935	1006	456	0
RAMP D					
30+21.00	35+74.43	939	1011	531	0
TOTAL		9058	9753	2726	7

5. SCHEDULE OF PAVEMENT ITEMS

FROM	TO	AGGREGATE SUBGRADE IMPROVEMENT 12" SQ YD	AGGREGATE BASE COURSE, TYPE B 8" SQ YD	PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2" SQ YD	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 TON	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SQ YD	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 TON	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 TON	PROTECTIVE COAT SQ YD
IL 137 (GREENWOOD AVE)									
14+24.00	19+81.69	80	102	79	218	23	11	434	159
19+81.69	21+76.00	1537	0	1431	71	0	7	160	2862
21+76.00	24+18.20	312	32	312	107	30	4	198	625
24+18.20	26+81.78	0	0	0	0	0	0	0	0
RAMP C									
21+48.35	28+00.00	1022	0	874	85	13	7	155	1748
RAMP D									
30+21.00	35+74.43	1146	0	834	72	13	7	152	1667
TOTAL		4096	134	3530	552	79	36	1099	7060

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\60996-sht-SCHED.dgn

USER NAME = ALewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	20
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

5. SCHEDULE OF PAVEMENT ITEMS

FROM	TO	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2" SQ YD	CLASS D PATCHES, TYPE III, 16 INCH SQ YD	AGGREGATE SHOULDERS, TYPE B 10" SQ YD	BITUMINOUS MATERIALS (TACK COAT) POUND	PORTLAND CEMENT CONCRETE BASE COURSE 12 1/2" SQ YD
IL 137 (GREENWOOD AVE)						
14+24.00	19+81.69	0	41	389	3487	0
19+81.69	21+76.00	0	0	0	1287	242
21+76.00	24+18.20	0	0	224	1593	0
24+18.20	26+81.78	0	0	0	0	0
RAMP C						
21+48.35	28+00.00	48	0	355	1243	0
RAMP D						
30+21.00	35+74.43	50	0	277	1222	0
TOTAL		98	41	1245	8832	242

6. REMOVAL ITEMS

FROM	TO	PAVEMENT REMOVAL SQ YD	GUTTER REMOVAL FOOT	COMBINATION CURB AND GUTTER REMOVAL FOOT	SIDEWALK REMOVAL SQ FT	MEDIAN REMOVAL SQ FT	MEDIAN REMOVAL PARTIAL DEPTH SQ FT	STORM SEWER REMOVAL 12" FOOT	REMOVING INLETS EACH	GUARDRAIL REMOVAL FOOT	HOT-MIX ASPHALT REMOVAL (SPECIAL) SQ YD	APPROACH SLAB REMOVAL SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH SQ YD	RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT SQ YD
IL 137 (GREENWOOD AVE)														
14+24.00	19+81.69	61	0	1238	2814	0	0	71	2	296	0	0	3798	0
19+81.69	21+76.00	376	0	0	0	4736	0	0	0	452	0	1254	1464	0
21+76.00	24+18.20	243	0	518	1726	1707	0	0	0	278	0	0	0	0
24+18.20	26+81.78	0	0	0	0	0	1179	0	0	0	0	0	0	0
RAMP C														
21+48.35	28+00.00	333	0	269	0	0	0	0	0	584	228	0	453	891
RAMP D														
30+21.00	35+74.43	251	16	83	0	0	0	24	1	498	0	0	468	891
TOTAL		1264	16	2108	4540	6443	1179	95	3	2108	228	1254	6182	1782

7. SCHEDULE OF DRAINAGE ITEMS

FROM	TO	TRENCH BACKFILL CU YD	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" EACH	STORM SEWERS, CLASS A, TYPE 2 12" FOOT	STORM SEWERS, CLASS A, TYPE 2 15" FOOT	CATCH BASINS, TYPE A, 5'- DIAMETER, TYPE 1 FRAME, CLOSED LID EACH	CATCH BASINS, TYPE A, 5'- DIAMETER, TYPE 24 FRAME AND GRATE EACH	INLETS, TYPE A, TYPE 24 FRAME AND GRATE EACH
IL 137 (GREENWOOD AVE)								
14+24.00	19+81.69	0	1	85	557	6	2	4
19+81.69	21+76.00	455	0	4	0	1	0	1
21+76.00	24+18.20	0	0	0	0	0	0	0
24+18.20	26+81.78	3	0	0	0	0	0	0
RAMP C								
21+48.35	28+00.00	0	0	0	0	0	0	0
RAMP D								
30+21.00	35+74.43	0	0	0	0	0	0	0
TOTAL		458	1	89	557	7	2	5

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\60996-sht-SCHED.dgn

USER NAME = ALewis	DESIGNED - AGL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - AGL	REVISED -					352	8HB-BR	LAKE	121	21
PLOT DATE = 5/8/2017	CHECKED - AJP	REVISED -		SCALE: NTS	SHEET 3 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 60996				
	DATE - 03/15/2017	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

7. SCHEDULE OF DRAINAGE ITEMS

FROM	TO	CLASS SI CONCRETE (OUTLET) CU YD	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) EACH	DRAINAGE STRUCTURES TO BE CLEANED EACH
IL 137 (GREENWOOD AVE)				
14+24.00	19+81.69	0	3	3
19+81.69	21+76.00	0	0	0
21+76.00	24+18.20	0	0	0
24+18.20	26+81.78	0	0	0
RAMP C				
21+48.35	28+00.00	0	0	0
RAMP D				
30+21.00	35+74.43	14.7	0	0
TOTAL		14.7	3	3

8. SCHEDULE OF CONCRETE ITEMS

FROM	TO	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT	DETECTABLE WARNINGS SQ FT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT	CORRUGATED MEDIAN (MODIFIED) SQ FT	CONCRETE BARRIER, SINGLE FACE, 34 INCH HEIGHT FOOT	CONCRETE BARRIER BASE FOOT	BARRIER WALL REFLECTORS, TYPE B EACH	BARRIER WALL REFLECTORS, TYPE C EACH	CURB REFLECTORS EACH	CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED) SQ FT
IL 137 (GREENWOOD AVE)											
14+24.00	19+81.69	4473	66	1479	0	0	0	0	0	0	0
19+81.69	21+76.00	693	156	0	49	0	0	0	0	22	3178
21+76.00	24+18.20	1663	66	185	0	0	0	0	0	67	0
24+18.20	26+81.78	0	0	0	83	0	0	0	0	0	1077
RAMP C											
21+48.35	28+00.00	0	0	481	0	132	132	2	2	0	0
RAMP D											
30+21.00	35+74.43	0	0	183	0	125	125	2	2	0	0
TOTAL		6829	288	2328	132	257	257	4	4	89	4255

9. SCHEDULE OF GUARDRAIL ITEMS

FROM	TO	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS FOOT	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN FOOT	TRAFFIC BARRIER TERMINAL, TYPE 2 EACH	TRAFFIC BARRIER TERMINAL, TYPE 5R EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH	TERMINAL MARKER - DIRECT APPLIED EACH	GUARDRAIL REFLECTORS, TYPE A EACH	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) FOOT
IL 137 (GREENWOOD AVE)									
14+24.00	19+81.69	637.5	0	1	0	1	2	6	62.5
19+81.69	21+76.00	0	0	0	0	0	0	0	0.0
21+76.00	24+18.20	200.0	0	3	1	0	3	4	75.0
24+18.20	26+81.78	0	0	0	0	0	0	0	0.0
RAMP C									
21+48.35	28+00.00	462.5	0	0	0	1	2	8	100.0
RAMP D									
30+21.00	35+74.43	362.5	75	1	0	0	1	7	25.0
TOTAL		1662.5	75	5	1	2	8	25	262.5

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\DRP\96-sht-SCHED.dgn

USER NAME = ALEwis	DESIGNED - AGL	REVISED -
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PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	22
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

10. SCHEDULE OF PAVEMENT MARKING RELATED ITEMS

FROM	TO	SHORT TERM PAVEMENT MARKING FOOT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS SQ FT	THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 8" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT
IL 137 (GREENWOOD AVE)								
14+24.00	19+81.69	200	74	3240	213	163	491	0
19+81.69	21+76.00	50	0	0	113	141	493	24
21+76.00	24+18.20	100	37	357	285	0	0	0
24+18.20	26+81.78	150	0	0	0	0	0	0
RAMP C								
21+48.35	28+00.00	100	168	3852	408	142	0	25
RAMP D								
30+21.00	35+74.43	100	33	1068	0	175	72	28
TOTAL		700	312	8517	1019	621	1056	77

10. SCHEDULE OF PAVEMENT MARKING RELATED ITEMS

FROM	TO	POLYUREA PAVEMENT MARKING TYPE I - LINE 4" FOOT	POLYUREA PAVEMENT MARKING TYPE I - LINE 6" FOOT	POLYUREA PAVEMENT MARKING TYPE I - LINE 12" FOOT	POLYUREA PAVEMENT MARKING TYPE I - LINE 24" FOOT	RAISED REFLECTIVE PAVEMENT MARKER EACH	PAVEMENT MARKING REMOVAL - GRINDING SQ FT	PAVEMENT MARKING REMOVAL - WATER BLASTING SQ FT	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH
IL 137 (GREENWOOD AVE)									
14+24.00	19+81.69	0	0	0	0	90	1121	3775	65
19+81.69	21+76.00	0	0	0	0	0	500	600	15
21+76.00	24+18.20	74	0	0	0	4	500	650	25
24+18.20	26+81.78	278	225	59	54	28	500	580	15
RAMP C									
21+48.35	28+00.00	0	0	0	0	40	1000	3060	50
RAMP D									
30+21.00	35+74.43	0	0	0	0	0	600	1000	30
TOTAL		352	225	59	54	162	4221	9665	200

11. SCHEDULE OF SIGNING ITEMS

FROM	TO	SIGN PANEL - TYPE 1 SQ FT	RELOCATE SIGN PANEL - TYPE 3 SQ FT	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY POUND	TELESCOPING STEEL SIGN SUPPORT FOOT	BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH
IL 137 (GREENWOOD AVE)						
14+24.00	19+81.69	62	33	279	114	8
19+81.69	21+76.00	73	0	0	89	6
21+76.00	24+18.20	37	32	279	71	5
24+18.20	26+81.78	10	0	0	15	1
RAMP C						
21+48.35	28+00.00	0	0	0	0	0
RAMP D						
30+21.00	35+74.43	0	0	0	0	0
TOTAL		182	65	558	288	20

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\60996-sht-SCHED.dgn

12. SCHEDULE OF MAINTENANCE OF TRAFFIC ITEMS

FROM	TO	TEMPORARY PAVEMENT MARKING - LINE 4" FOOT				TEMPORARY PAVEMENT MARKING - LINE 12" FOOT				TEMPORARY PAVEMENT MARKING - LINE 24" FOOT				PAVEMENT MARKING REMOVAL - WATER BLASTING SQ FT				TEMPORARY CONCRETE BARRIER FOOT			
		STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3
		IL 137 (GREENWOOD AVE)																			
8+74.00	26+95.00	6065	2335	2250	6005	0	0	0	0	0	0	0	0	0	0	19+81.69	21+76.00	0	0	175.0	0
RAMP C																					
13+10.10	27+88.15	1658	0	994	1063	618	0	571	115	28	0	32	59	0	0	24+18.20	26+81.78	0	0	237.5	0
RAMP D																					
30+33.00	34+00.00	591	1273	1246	1094	0	0	0	147	0	0	0	0	0	0	21+45.70	28+00.00	0	0	200.0	0
TOTAL		24574				1452				119				9665				612.5			

12. SCHEDULE OF MAINTENANCE OF TRAFFIC ITEMS

FROM	TO	RELOCATE TEMPORARY CONCRETE BARRIER FOOT				IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2 EACH				IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2 EACH				TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER EACH				TEMPORARY INFORMATION SIGNING SQ FT			
		STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3
		IL 137 (GREENWOOD AVE)																			
8+74.00	26+95.00	0	0	0	450	0	0	3	0	0	0	0	2	89	41	28	105	25	0	0	25
RAMP C																					
13+10.10	27+88.15	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
RAMP D																					
30+33.00	34+00.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		450				4				2				263				50			

12. SCHEDULE OF MAINTENANCE OF TRAFFIC ITEMS

FROM	TO	TEMPORARY SOIL RETENTION SYSTEM SQ FT				REMOVE IMPACT ATTENUATORS, NO SALVAGE EACH				TRAFFIC CONTROL AND PROTECTION, SPECIAL L SUM			
		STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3
		IL 137 (GREENWOOD AVE)											
8+74.00	26+95.00	0	0	2432	0	0	0	1	3	1	0	0	0
RAMP C													
13+10.10	27+88.15	0	0	0	0	0	0	0	0	0	0	0	0
RAMP D													
30+33.00	34+00.00	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		2432				4				1			

13. SCHEDULE OF LUMP SUM ITEMS AND TIME ITEMS

FROM	TO	REMOVAL OF EXISTING STRUCTURES EACH	NON-SPECIAL WASTE DISPOSAL CU YD	SPECIAL WASTE PLANS AND REPORTS LSUM	SOIL DISPOSAL ANALYSIS EACH	ENGINEER'S FIELD OFFICE, TYPE A CAL MO	MOBILIZATION LSUM	CHANGEABLE MESSAGE SIGN CAL DA	CONSTRUCTION LAYOUT LSUM
IL 137 (GREENWOOD AVE) / IL137 (AMSTUTZ EXPY)									
TOTAL		1	3650	1	3	12	1	120	1

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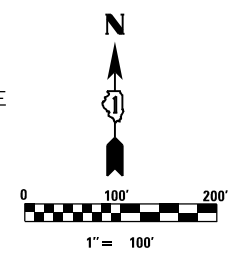
USER NAME = ALewis	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/8/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	24
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXIST. CURVE GREEN101
 PI STA. = 25+20.00
 $\Delta = 4^\circ 30' 24''$ (RT)
 $D = 1^\circ 45' 22''$
 $R = 3,262.74'$
 $T = 128.38'$
 $L = 256.63'$
 $E = 2.52'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 23+91.62$
 $P.T. STA. = 26+48.24$

EXIST. CURVE GREEN102
 PI STA. = 29+47.30
 $\Delta = 4^\circ 37' 55''$ (LT)
 $D = 1^\circ 34' 23''$
 $R = 3,642.20'$
 $T = 147.30'$
 $L = 294.44'$
 $E = 2.98'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 28+00.00$
 $P.T. STA. = 30+94.44$

EXIST. CURVE RAMPD101
 PI STA. = 38+37.01
 $\Delta = 4^\circ 00' 32''$ (LT)
 $D = 2^\circ 29' 27''$
 $R = 2,300.23'$
 $T = 80.51'$
 $L = 160.95'$
 $E = 1.41'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 37+56.50$
 $R.C. STA. = 39+17.45$

EXIST. CURVE RAMPD103
 PI STA. = 45+35.94
 $\Delta = 5^\circ 25' 04''$ (RT)
 $D = 0^\circ 31' 11''$
 $R = 11,023.20'$
 $T = 521.56'$
 $L = 1,042.34'$
 $E = 12.33'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C.C. STA. = 40+14.38$
 $P.T. STA. = 50+56.72$

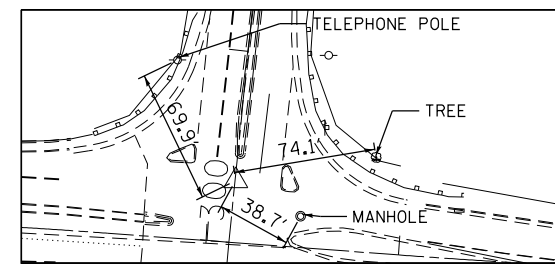
EXIST. CURVE RAMPD102
 PI STA. = 39+65.92
 $\Delta = 2^\circ 26' 20''$ (RT)
 $D = 2^\circ 30' 59''$
 $R = 2,276.92'$
 $T = 48.47'$
 $L = 96.92'$
 $E = 0.52'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.R.C. STA. = 39+17.46$
 $P.C.C. STA. = 40+14.38$

EXIST. CURVE RAMP C101
 PI STA. = 19+46.53
 $\Delta = 4^\circ 02' 23''$ (LT)
 $D = 5^\circ 39' 07''$
 $R = 1,013.76'$
 $T = 35.75'$
 $L = 71.48'$
 $E = 0.63'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 19+10.77$
 $P.T. STA. = 19+82.25$

EXIST. CURVE AMSTUTZ101
 PI STA. = 182+76.84
 $\Delta = 6^\circ 57' 05''$ (LT)
 $D = 0^\circ 30' 24''$
 $R = 11,310.45'$
 $T = 686.96'$
 $L = 1,372.24'$
 $E = 20.84'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 175+89.87$
 $P.T. STA. = 189+62.12$

CONTROL POINT NO. 1

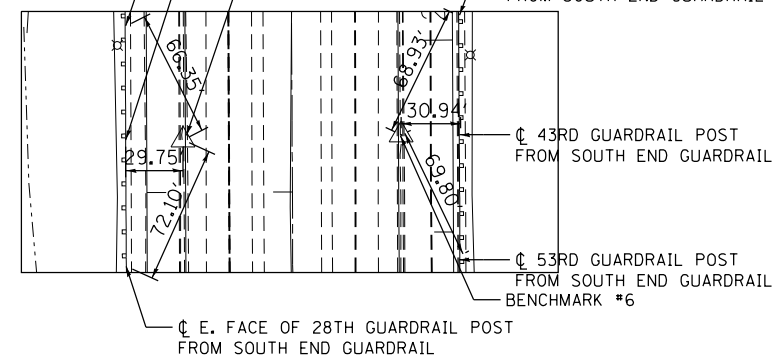
ALIGNMENT COORDINATES - GREENWOOD AVE
 STA 27+12.65, 32.29 LT
 N 1121986.1355
 E 2083208.6463
 EL. 610.408



BENCHMARK NO. 5 AND NO. 6

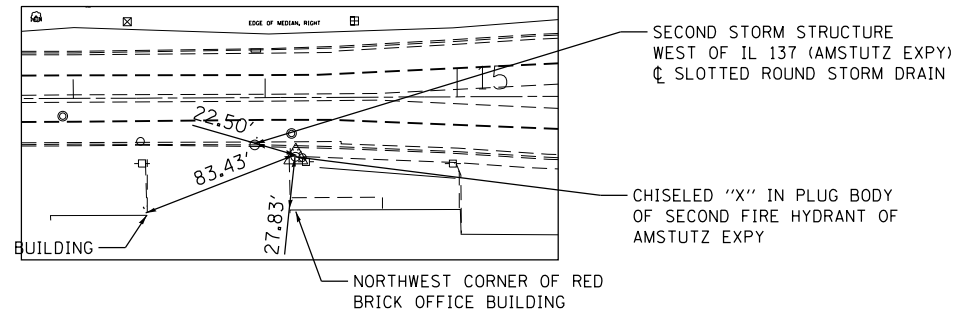
ALIGNMENT COORDINATES - RAMP D
 STA 33+72.68, 18.88 LT
 N 1121294.9580
 E 2082816.0540
 EL. 609.05

ALIGNMENT COORDINATES - RAMP C
 STA 24+50.65, 26.96 LT
 N 1121408.6880
 E 2082818.6900
 EL. 609.67



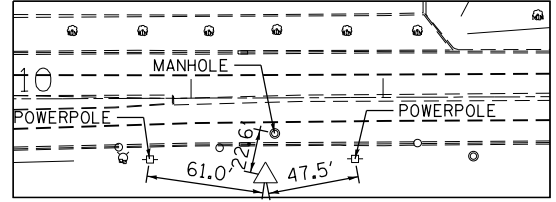
BENCHMARK NO. 4

ALIGNMENT COORDINATES - IL 137 (GREENWOOD AVE)
 STA 14+15.77, 30.96 RT
 N 1120687.3908
 E 2083155.2474
 EL. 620.54



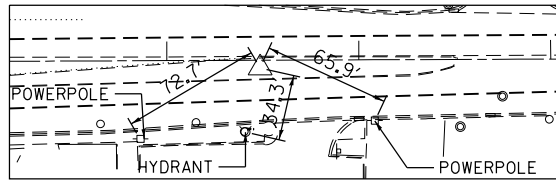
CONTROL POINT NO. 6

ALIGNMENT COORDINATES - IL 137 (GREENWOOD AVE)
 STA 11+38.53, 40.64 RT
 N 1120410.1963
 E 2083144.4091
 EL. 631.965



CONTROL POINT NO. 7

ALIGNMENT COORDINATES - IL 137 (GREENWOOD AVE)
 STA 7+48.57, 3.99 RT
 N 1120020.0914
 E 2083179.4405
 EL. 648.826



ALIGNMENT COORDINATES - GREENWOOD AVE			
GREEN.	STATION	N	E
PC	23+91.62	2083190.2633	1121663.1048
PI	29+47.30	2083190.7975	1121791.4833
PT	30+94.44	2083159.9208	1122365.0348

ALIGNMENT COORDINATES - RAMP C			
RAMP D.	STATION	N	E
PC	19+10.77	2082278.9869	1121435.5921
PI	19+46.53	2082314.6618	1121437.9482
PT	19+82.25	2082350.4141	1121437.7854

ALIGNMENT COORDINATES - RAMP D			
RAMP D.	STATION	N	E
PC	37+56.50	2082432.1490	1121277.8313
PI	38+37.01	2082351.6433	1121278.1581
PRC	39+17.45	2082271.3622	1121284.1922
PI	39+65.92	2082223.0304	1121287.8009
PT	40+14.38	2082174.5889	1121289.3496

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS















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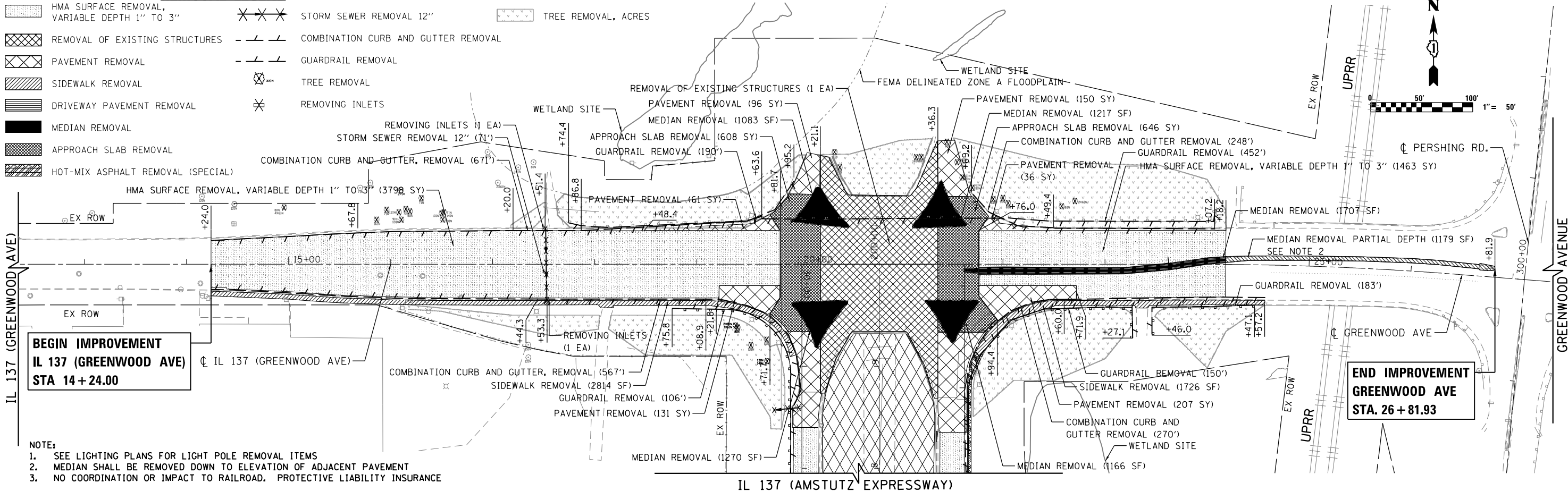
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	DATE - 03/15/2017	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	25
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = F:\P-12\2513-00 P1B 161-13 - IL 137 Bridge\DDN\CADD Sheets\060996.sht-ATBI.dgn

REMOVAL LEGEND

-  HMA SURFACE REMOVAL, VARIABLE DEPTH 1" TO 3"
-  REMOVAL OF EXISTING STRUCTURES
-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  MEDIAN REMOVAL
-  APPROACH SLAB REMOVAL
-  HOT-MIX ASPHALT REMOVAL (SPECIAL)
-  STORM SEWER REMOVAL 12"
-  COMBINATION CURB AND GUTTER REMOVAL
-  GUARDRAIL REMOVAL
-  TREE REMOVAL
-  REMOVING INLETS
-  TREE REMOVAL, ACRES



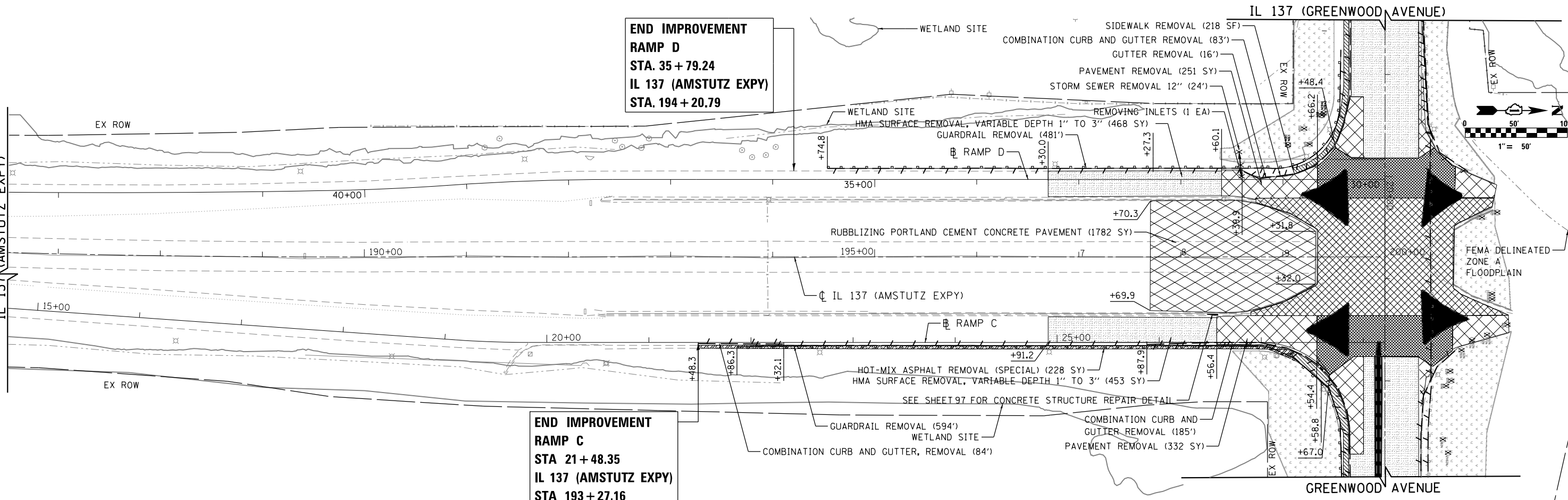
**BEGIN IMPROVEMENT
IL 137 (GREENWOOD AVE)
STA 14 + 24.00**

**END IMPROVEMENT
GREENWOOD AVE
STA. 26 + 81.93**

- NOTE:
1. SEE LIGHTING PLANS FOR LIGHT POLE REMOVAL ITEMS
 2. MEDIAN SHALL BE REMOVED DOWN TO ELEVATION OF ADJACENT PAVEMENT
 3. NO COORDINATION OR IMPACT TO RAILROAD. PROTECTIVE LIABILITY INSURANCE

**END IMPROVEMENT
RAMP D
STA. 35 + 79.24
IL 137 (AMSTUTZ EXPY)
STA. 194 + 20.79**

**END IMPROVEMENT
RAMP C
STA 21 + 48.35
IL 137 (AMSTUTZ EXPY)
STA 193 + 27.16**



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PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

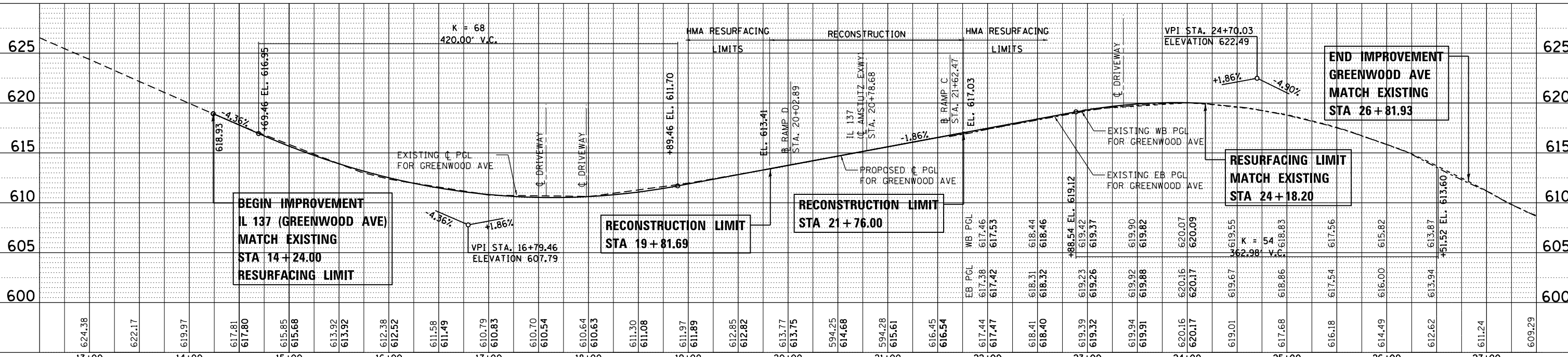
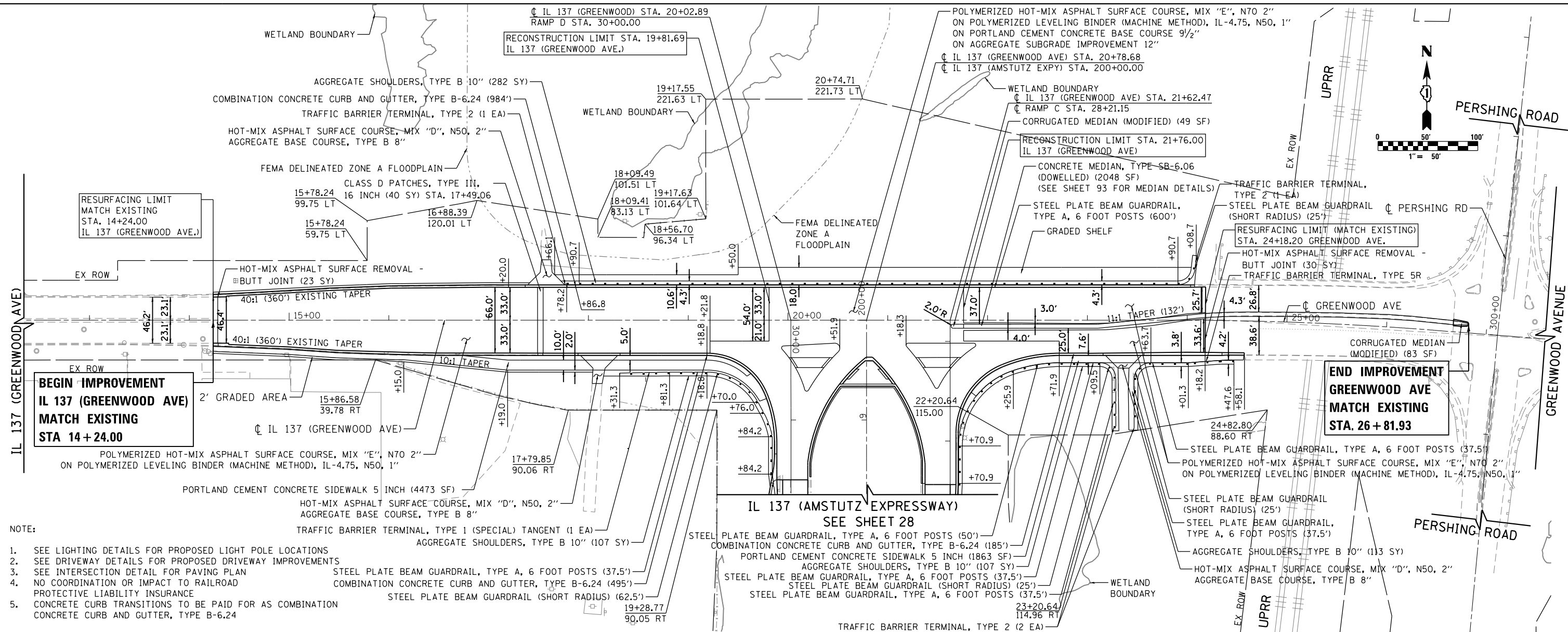
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	26
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTES CHECKED	
ALIGNMENT CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. FILE NAME	

FILE NAME = P:\P\12-2513-00 P1B 1B-13 - IL 137 B-499-128\CAADD Sheets\609P1B-ent-plan-pr-f1.dgn



USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=50'H=5'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

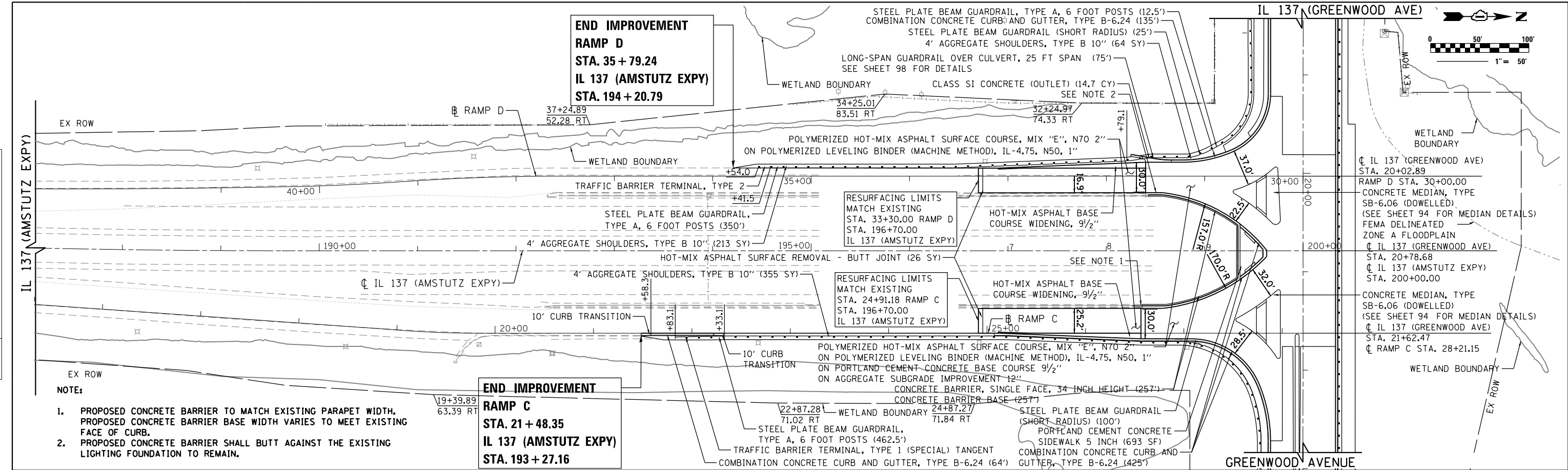
PLAN AND PROFILE

SCALE: 1"=50'H=5'V SHEET 1 OF 2 SHEETS STA. 12+50.00 TO STA. 27+50.00

F.A.P. RT. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 27
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	
NO.	



- NOTE:**
1. PROPOSED CONCRETE BARRIER TO MATCH EXISTING PARAPET WIDTH. PROPOSED CONCRETE BARRIER BASE WIDTH VARIES TO MEET EXISTING FACE OF CURB.
 2. PROPOSED CONCRETE BARRIER SHALL BUTT AGAINST THE EXISTING LIGHTING FOUNDATION TO REMAIN.

END IMPROVEMENT
RAMP C
STA. 21 + 48.35
IL 137 (AMSTUTZ EXPY)
STA. 193 + 27.16

END IMPROVEMENT
RAMP D
STA. 35 + 79.24
IL 137 (AMSTUTZ EXPY)
STA. 194 + 20.79

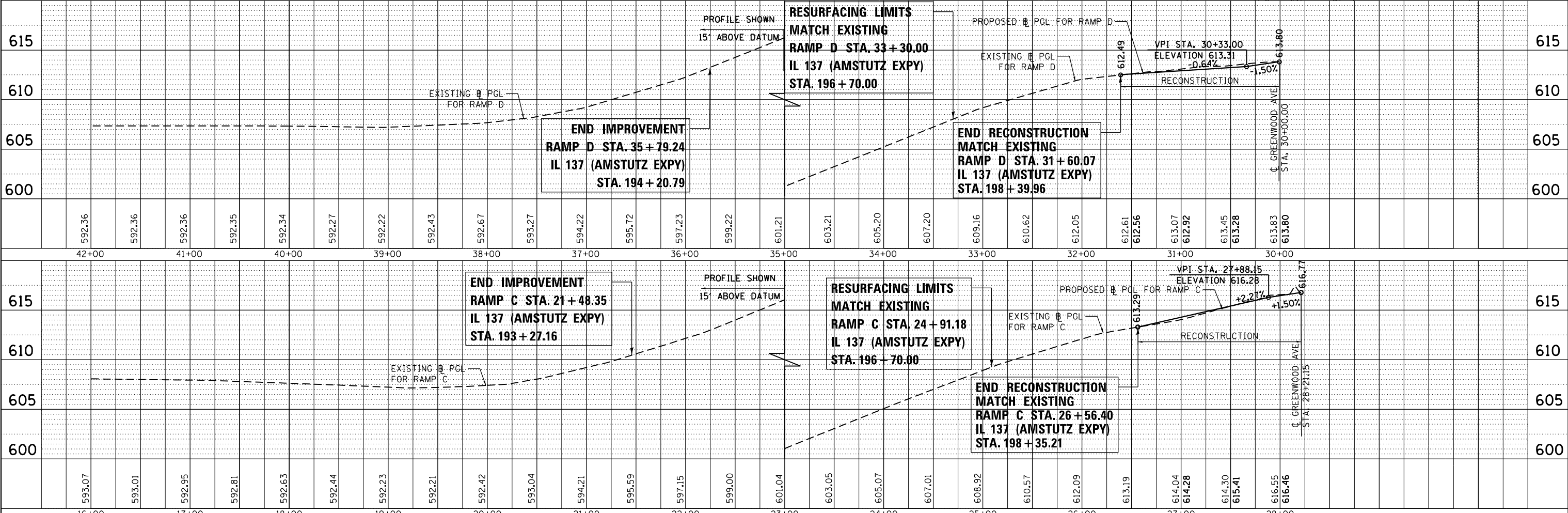
RESURFACING LIMITS
MATCH EXISTING
RAMP D STA. 33 + 30.00
IL 137 (AMSTUTZ EXPY)
STA. 196 + 70.00

END RECONSTRUCTION
MATCH EXISTING
RAMP D STA. 31 + 60.07
IL 137 (AMSTUTZ EXPY)
STA. 198 + 39.96

END IMPROVEMENT
RAMP C
STA. 21 + 48.35
IL 137 (AMSTUTZ EXPY)
STA. 193 + 27.16

RESURFACING LIMITS
MATCH EXISTING
RAMP C STA. 24 + 91.18
IL 137 (AMSTUTZ EXPY)
STA. 196 + 70.00

END RECONSTRUCTION
MATCH EXISTING
RAMP C STA. 26 + 56.40
IL 137 (AMSTUTZ EXPY)
STA. 198 + 35.21



FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DRAWING\CADD Sheets\06096-ht-1\pr-f2.dgn

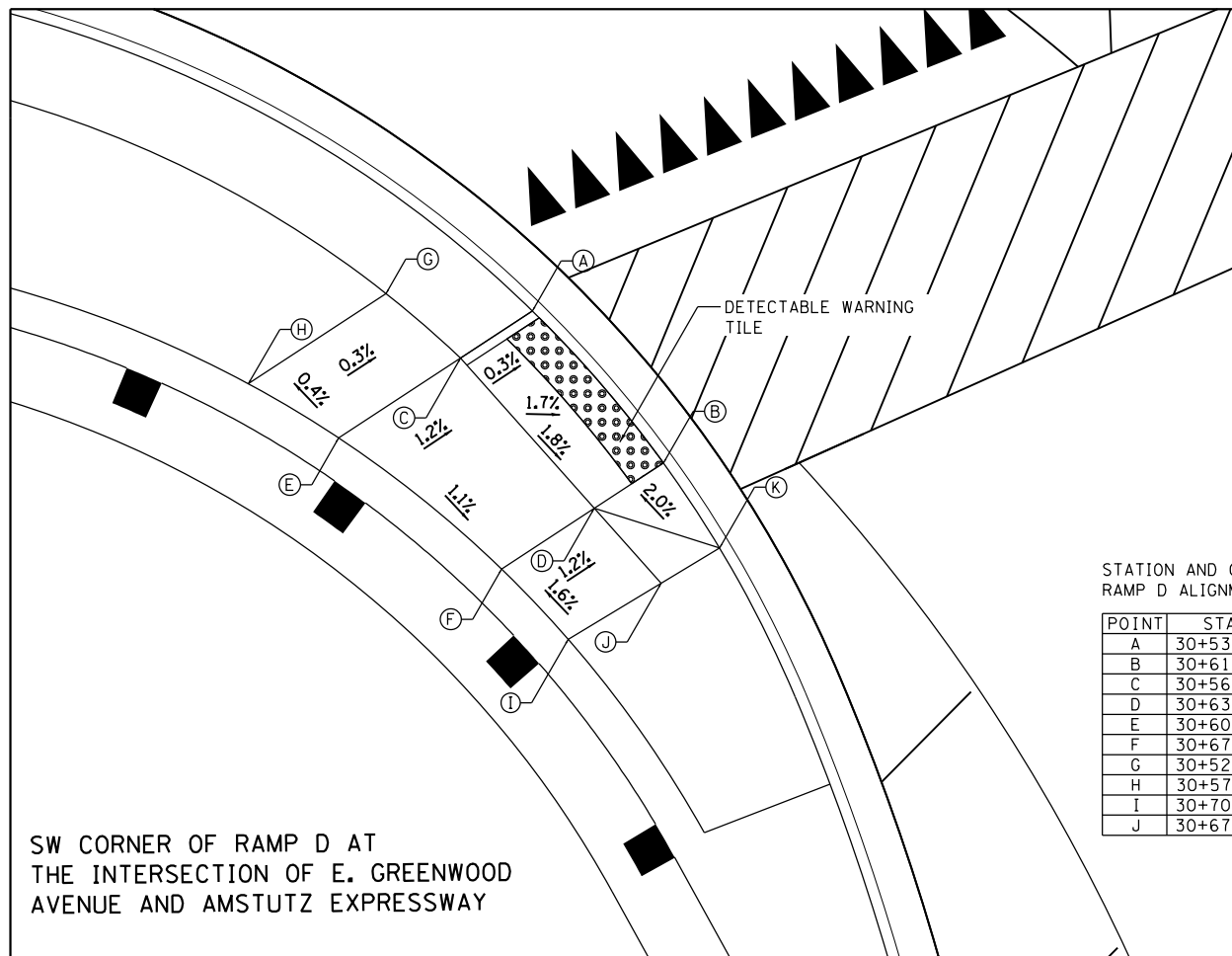
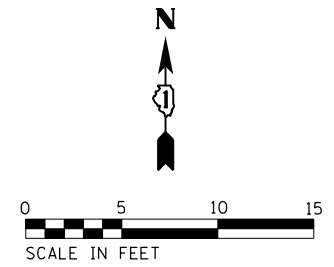
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PLOT DATE = 5/12/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
 SCALE: 1"=50'H=5'V SHEET 2 OF 2 SHEETS STA. 187+00.00 TO STA. 200+00.00

F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 28
CONTRACT NO. 60P96				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

NOTE:
SEE SHEET 29 FOR BENCHMARK INFORMATION



STATION AND OFFSET BASED ON
RAMP D ALIGNMENT

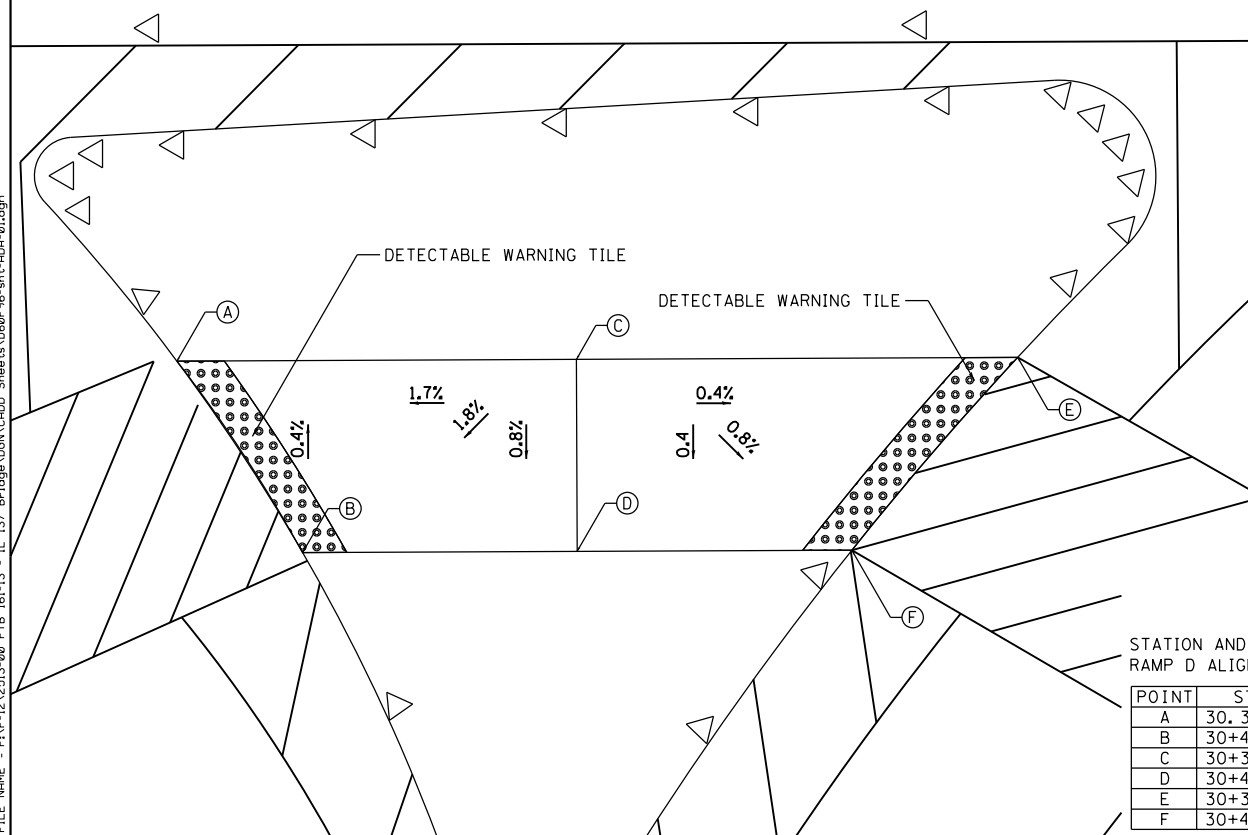
POINT	STA	OFFSET	ELEVATION
A	30+53.90	39.92RT	613.18
B	30+61.59	33.40RT	613.00
C	30+56.00	44.09RT	613.20
D	30+63.96	37.06RT	613.04
E	30+60.19	50.53RT	613.22
F	30+67.15	41.97RT	613.11
G	30+52.59	48.00RT	613.18
H	30+57.31	55.28RT	613.20
I	30+70.98	38.46RT	613.19
J	30+67.93	33.56RT	613.12

SW CORNER OF RAMP D AT
THE INTERSECTION OF E. GREENWOOD
AVENUE AND AMSTUTZ EXPRESSWAY

STATION AND OFFSET BASED ON
RAMP D ALIGNMENT

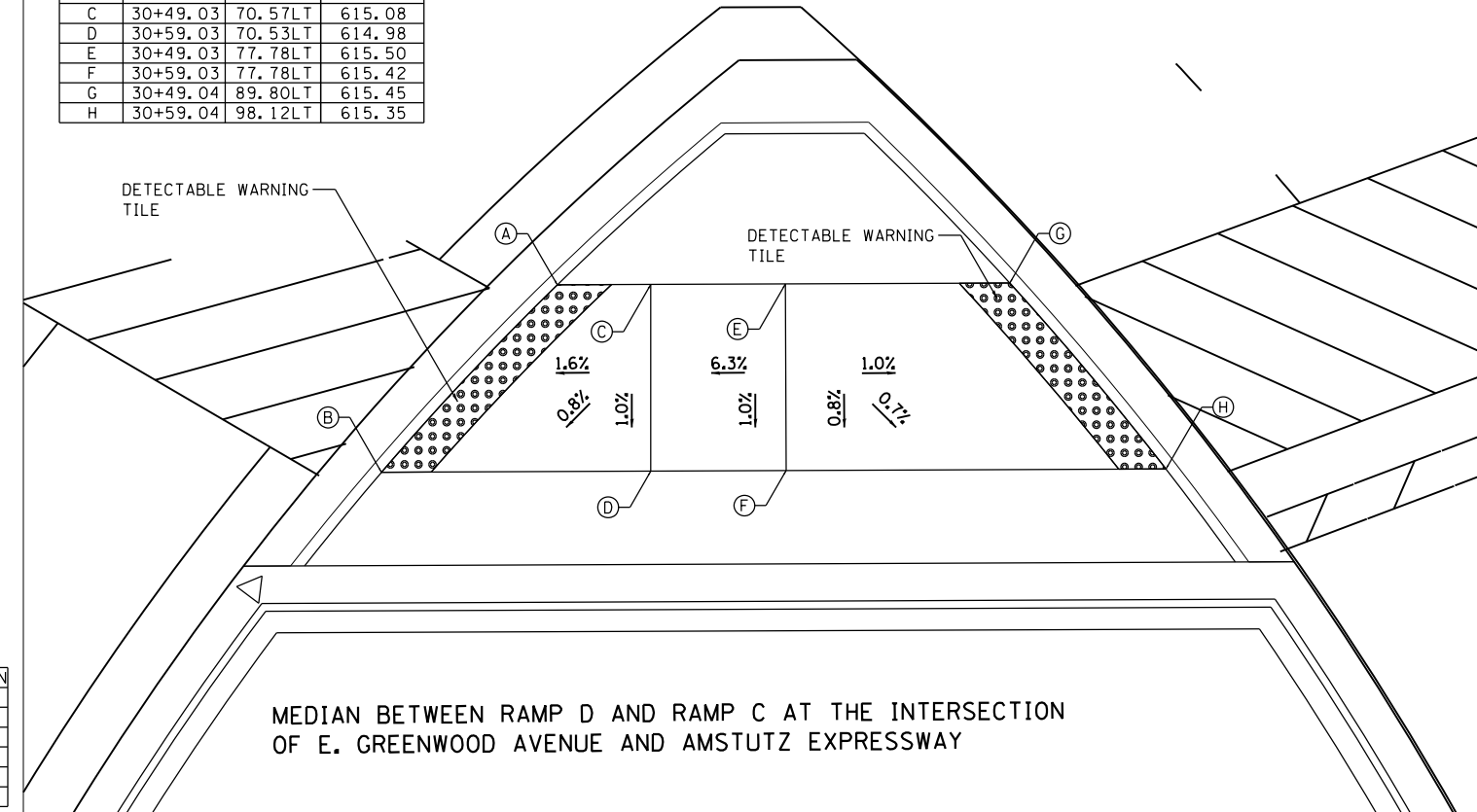
POINT	STA	OFFSET	ELEVATION
A	30+49.03	66.57LT	615.00
B	30+59.02	56.11LT	614.90
C	30+49.03	70.57LT	615.08
D	30+59.03	70.53LT	614.98
E	30+49.03	77.78LT	615.50
F	30+59.03	77.78LT	615.42
G	30+49.04	89.80LT	615.45
H	30+59.04	98.12LT	615.35

MEDIAN OF RAMP D AT THE INTERSECTION
OF E. GREENWOOD AVENUE AND AMSTUTZ EXPRESSWAY



STATION AND OFFSET BASED ON
RAMP D ALIGNMENT

POINT	STA	OFFSET	ELEVATION
A	30.37.45	2.02RT	613.42
B	30+47.45	4.49LT	613.45
C	30+37.45	18.80LT	613.76
D	30+47.45	18.80LT	613.68
E	30+37.45	41.79LT	613.66
F	30+47.46	33.10LT	613.62



MEDIAN BETWEEN RAMP D AND RAMP C AT THE INTERSECTION
OF E. GREENWOOD AVENUE AND AMSTUTZ EXPRESSWAY

FILE NAME = P:\P\12\2613-00 P1B 1B1-13 - IL 137 Bridge\DRAWING\Sheets\60P96-sht-01a-01.dgn

USER NAME = APatterson	DESIGNED - JC	REVISED -
PLOT SCALE = 1"=5'	DRAWN - JC	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP PLAN

SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	29
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MEDIAN OF RAMP C AT THE INTERSECTION OF E. GREENWOOD AVENUE AND AMSTUTZ EXPRESSWAY

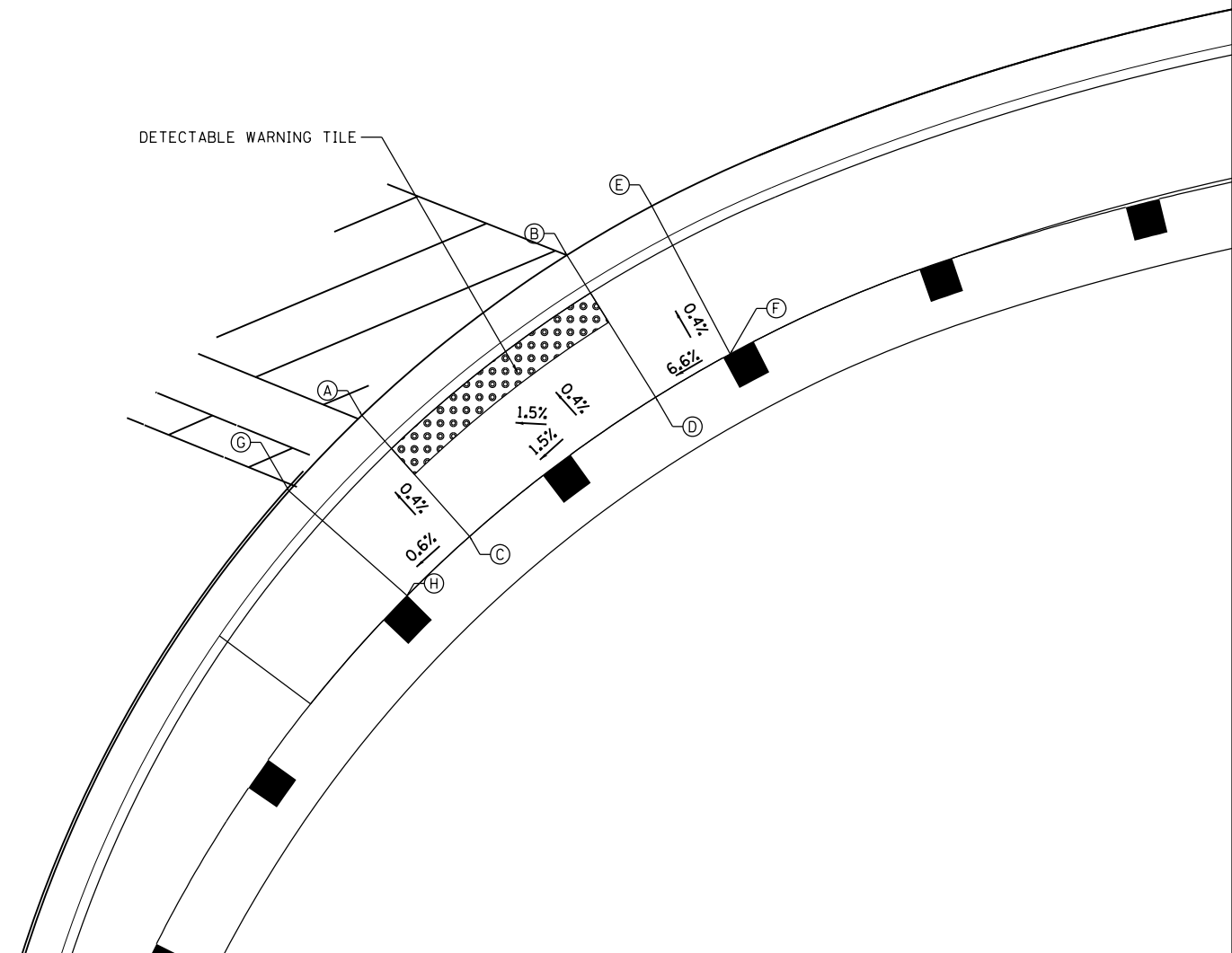
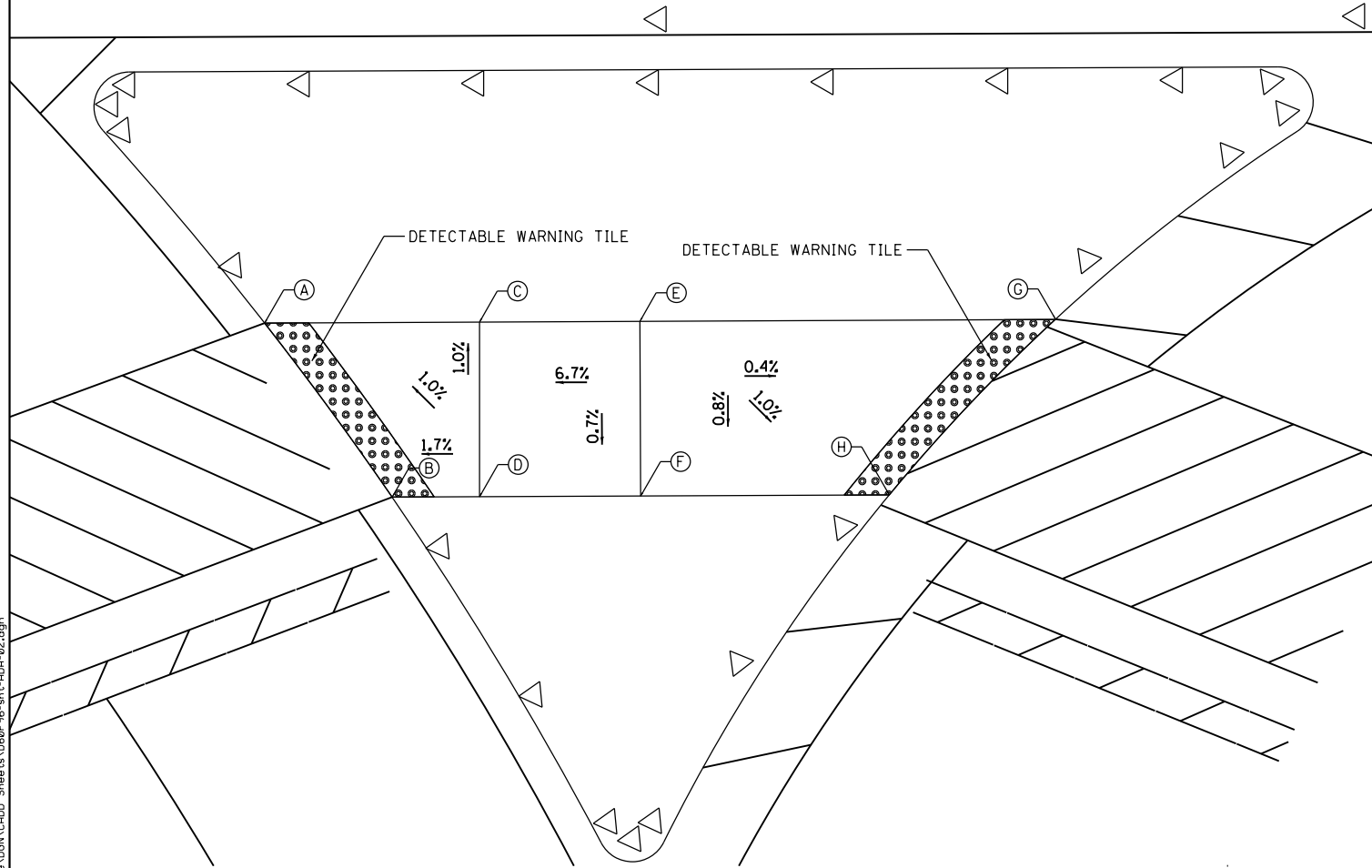
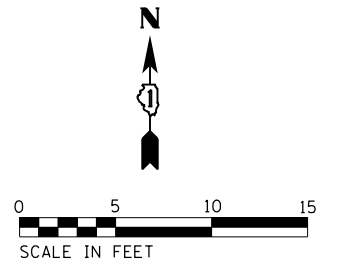
STATION AND OFFSET BASED ON RAMP C ALIGNMENT

POINT	STA	OFFSET	ELEVATION
A	27+83.72	34.37LT	615.40
B	27+73.77	27.19LT	615.50
C	27+83.77	22.14LT	615.60
D	27+73.77	22.19LT	615.55
E	27+83.77	12.95LT	616.20
F	27+73.77	12.95LT	616.13
G	27+83.78	10.85RT	616.10
H	27+73.77	1.29RT	616.03

SOUTHEAST CORNER OF RAMP C AT THE INTERSECTION OF E. GREENWOOD AVENUE AND AMSTUTZ EXPRESSWAY

STATION AND OFFSET BASED ON RAMP C ALIGNMENT

POINT	STA	OFFSET	ELEVATION
A	27+61.82	29.09RT	616.30
B	27+71.06	41.02RT	616.49
C	27+54.78	35.31RT	616.33
D	27+62.80	46.12RT	616.52
E	27+73.89	45.96RT	616.82
F	27+65.29	50.46RT	616.85
G	27+57.45	24.85RT	616.28
H	27+51.35	31.66RT	616.30



NOTE:
SEE SHEET 29 FOR BENCHMARK INFORMATION

FILE NAME = P:\P\12\2613-00\PTB\161-13 - IL 137 Bridge\DCN\CADD_Sheets\060996-rt-01a-02.dgn

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PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

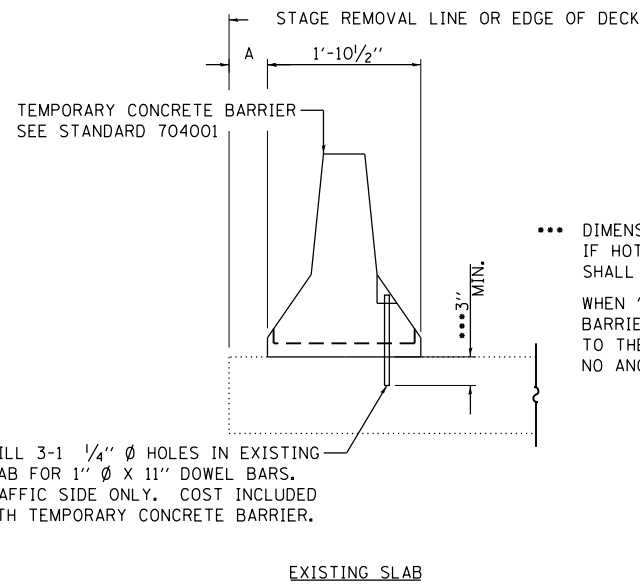
ADA RAMP PLAN

SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	30
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE 11' THRU LANE IN EACH DIRECTION FOR TWO-WAY TRAFFIC UNLESS OTHERWISE SPECIFIED. A MINIMUM OF 3' SHALL BE MAINTAINED AT ALL TIMES BETWEEN TRAFFIC AND CONSTRUCTION UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
4. THE ENGINEER SHALL CONTACT THE ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK
5. TEMPORARY LANE CLOSURES FOR ANY REASON SHALL BE RESTRICTED TO THE WEEKDAY HOURS OF 9:00 AM TO 3:30 PM, AS APPROVED IN ADVANCE BY THE ENGINEER.
6. DRUMS OR TYPE II BARRICADES AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONODIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED CONSTRUCTION WORK ZONE, AT 25' INTERVALS IN CURVES, AND AT 20' INTERVALS IN TAPER SECTIONS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. TYPE II BARRICADES SHALL HAVE A MINIMUM REFLECTORIZED AREA OF 288 INCHES.
7. ALL DRIVEWAYS SHALL BE OPEN FOR TRAFFIC DURING CONSTRUCTION UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.
8. WET REFLECTIVE TEMPORARY TAPE TYPE III PAVEMENT MARKINGS SHALL BE USED ON ALL FINAL PAVEMENT WEARING SURFACES. TEMPORARY PAVEMENT MARKING PAINT SHALL BE USED ELSEWHERE.
9. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL.
10. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR 1 PLACEMENT AND 3 REPLACEMENTS HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO 7 DAYS OF SERVICE OR REPLACEMENT AFTER THE THIRD PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
11. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION,(SPECIAL).
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. IT IS ANTICIPATED THAT NO TEMPORARY STORM SEWER STRUCTURES WILL BE NEEDED IN ORDER TO COMPLETE THIS TASK.
13. THE CONTRACTOR SHALL MAINTAIN EXISTING AND/OR PROPOSED ROADWAY LIGHTING DURING THE DURATION OF THE PROJECT.
14. ALL CONSTRUCTION SIGNS, BARRICADES, AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.
15. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.



*** DIMENSION SHOWN IS MINIMUM REQUIRED EMBEDMENT INTO CONCRETE. IF HOT-MIX ASPHALT WEARING SURFACE IS PRESENT, MINIMUM EMBEDMENT SHALL BE IN ADDITION TO WEARING SURFACE DEPTH.

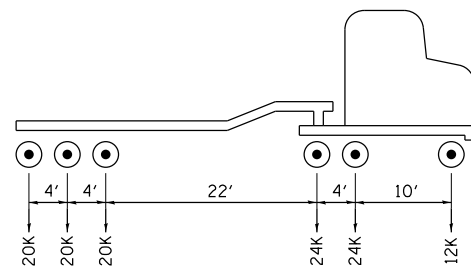
WHEN "A" IS 3'-9" OR LESS, THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE EXISTING SLAB ACCORDING TO THE SECTION THRU SLAB OR DECK BEAM - EXISTING SLAB DETAIL. NO ANCHORAGE IS REQUIRED WHEN "A" IS GREATER THAN 3'-9".

DRILL 3-1 1/4" Ø HOLES IN EXISTING SLAB FOR 1" Ø X 11" DOWEL BARS. TRAFFIC SIDE ONLY. COST INCLUDED WITH TEMPORARY CONCRETE BARRIER.

SECTIONS THRU SLAB OR DECK BEAM

DEMOLITION PLAN

THE CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND ACCEPTANCE, DETAILING THE PROPOSED METHODS OF DEMOLITION AND THE AMOUNT, LOCATION(S) AND TYPE(S) OF EQUIPMENT TO BE USED. THE DEMOLITION PLAN SHALL INCLUDE AN ASSESSMENT OF THE STRUCTURE'S CONDITION AND AN EVALUATION OF THE STRUCTURE'S STRENGTH AND STABILITY DURING DEMOLITION AND SHALL BE SIGNED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER.



**IL-120 TRUCK
AXLE LOADS
AND SPACING**

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	DRAWN - AGL	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
GENERAL NOTES AND QUANTITIES**

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

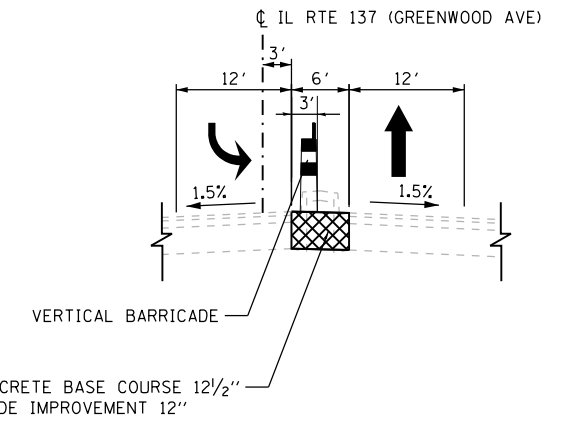
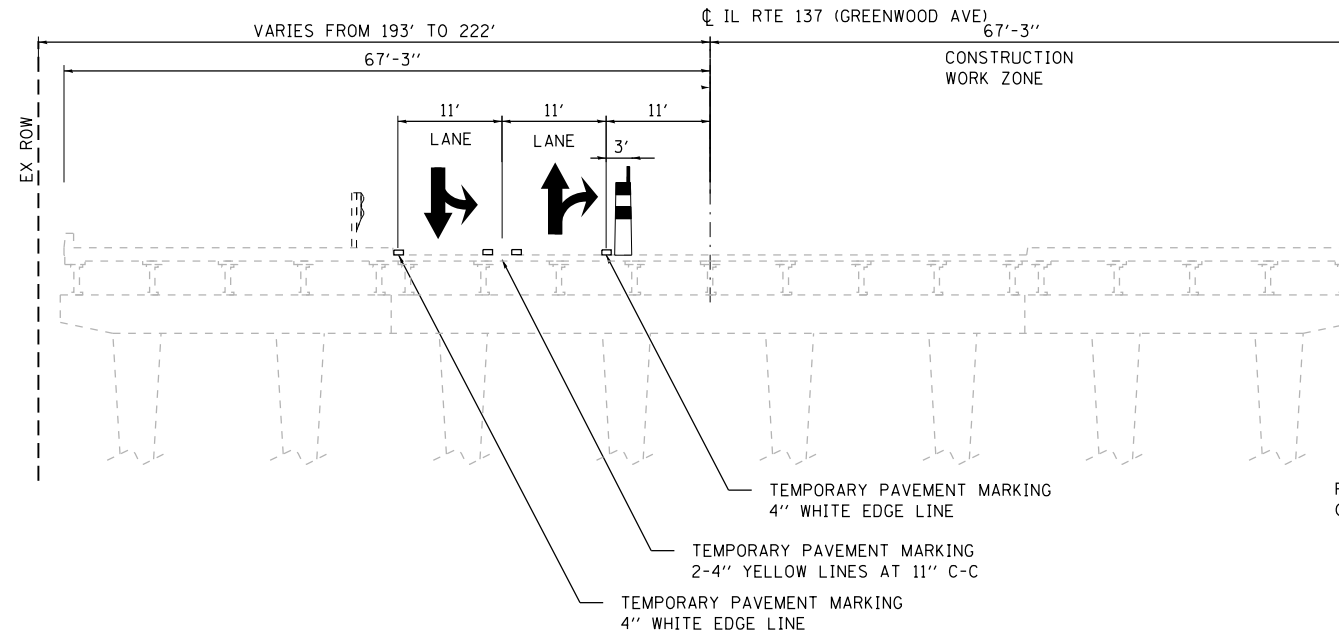
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	31
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PRE-STAGE 1A

1. MAINTAIN TWO-WAY TRAFFIC ON GREENWOOD AVENUE.
2. THE FOLLOWING SHALL BE COMPLETED USING STANDARD 7011606 FOR DAYTIME LANE CLOSURES. A MINIMUM OF ONE LANE SHALL BE MAINTAINED IN EACH DIRECTION. THE CONTRACTOR WILL CLOSE DOWN THE INSIDE EASTBOUND AND WESTBOUND LANES IN ORDER TO REMOVE THE EXISTING BARRIER MEDIAN AND PLACE PERMANENT PAVEMENT IN THE REMOVAL AREA.
 - a. ON GREENWOOD AVE, BETWEEN STA. 21+76 & STA. 26+81, REMOVE THE EXISTING MEDIAN AND PLACE PERMANENT PAVEMENT SECTION AS NOTED ON SHEET 27.
 - b. AT NIGHT THE BRIDGE AND APPROACHES, WHERE THE MEDIANS HAVE BEEN DOWELED IN, REMOVE THE MEDIAN DOWN TO THE ELEVATION OF THE ROAD AND PREPARE FOR TRAFFIC.

STAGE 1A

1. USE STAGE 1A STAGING PLAN SHEETS (SEE SHEETS NO. 36 TO 37), AND STANDARD 701606-09 TO COMPLETE THE FOLLOWING WORK
2. ESTABLISH TWO-WAY TRAFFIC ALONG THE NORTH SIDE OF IL 137 (GREENWOOD AVE) MAINTAIN A MINIMUM OF ONE 11' THRU LANE IN EACH DIRECTION THROUGHOUT THE ENTIRE PROJECT LENGTH. ON RAMP C, ESTABLISH ONE 11' LANE BY MERGING THE OUTSIDE LANE INTO THE INSIDE LANE. ALSO, AN 11' LANE WILL BE ESTABLISHED ON THE OUTSIDE OF RAMP D.
3. REMOVE EXISTING PAVEMENT ALONG EAST SIDE OF RAMP C AND THE WEST SIDE OF RAMP D AS DIRECTED ON THE STAGE 1A PLAN SHEETS.
4. RECONSTRUCT EAST SIDE OF RAMP C & WEST SIDE OF RAMP D PAVEMENT, CURB AND GUTTER, AND GUARDRAIL.
5. CONSTRUCT CURB AND GUTTER, GUARDRAIL, SIDEWALKS, STORM SEWERS AND DRAINAGE STRUCTURES, AND DRIVEWAYS ALONG THE SOUTH SIDE OF IL 137 (GREENWOOD AVE)

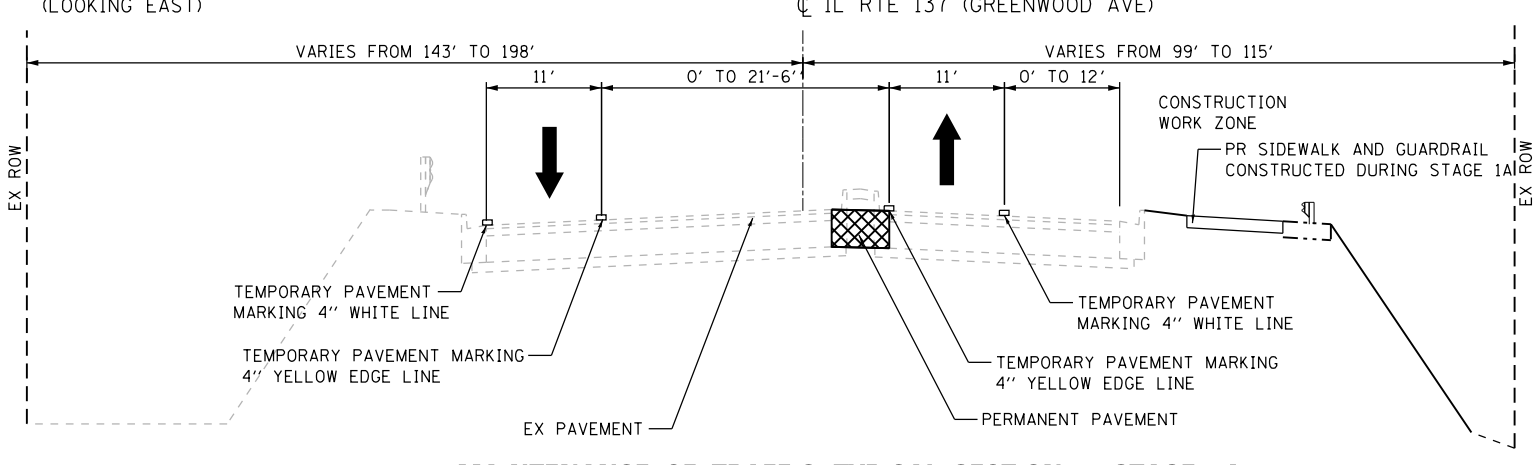
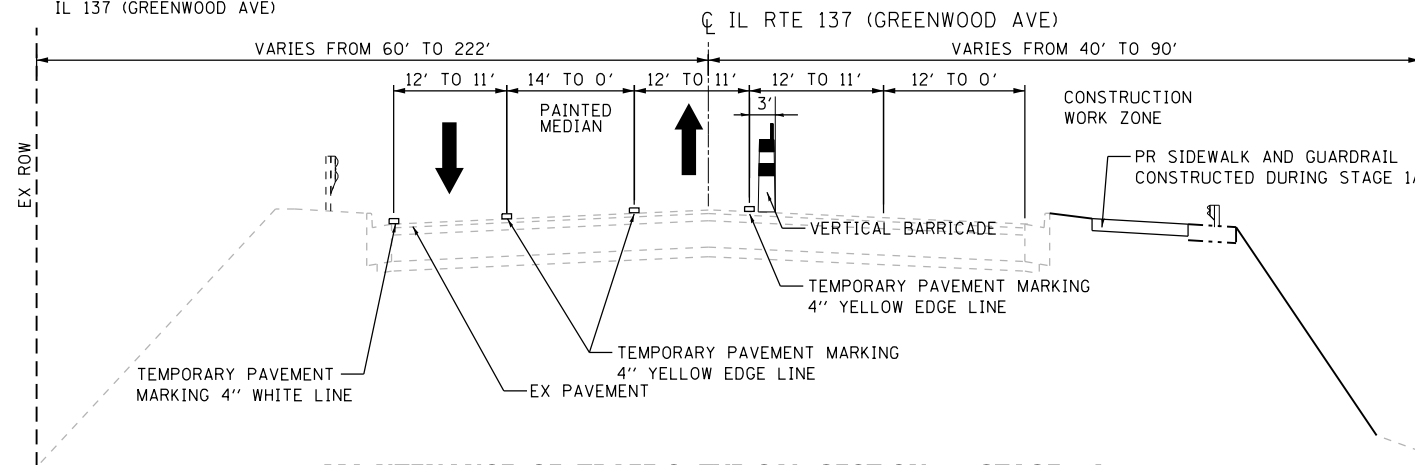


PERMANENT PAVEMENT TYPICAL SECTION - PRE-STAGE 1A

GREENWOOD AVE
STA 21+76 TO STA 26+81

MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1A

IL ROUTE 137 (GREENWOOD AVE) OVER IL ROUTE 137 (AMSTUTZ EXPY)
STA 19+81 TO STA 21+76 (LOOKING EAST)

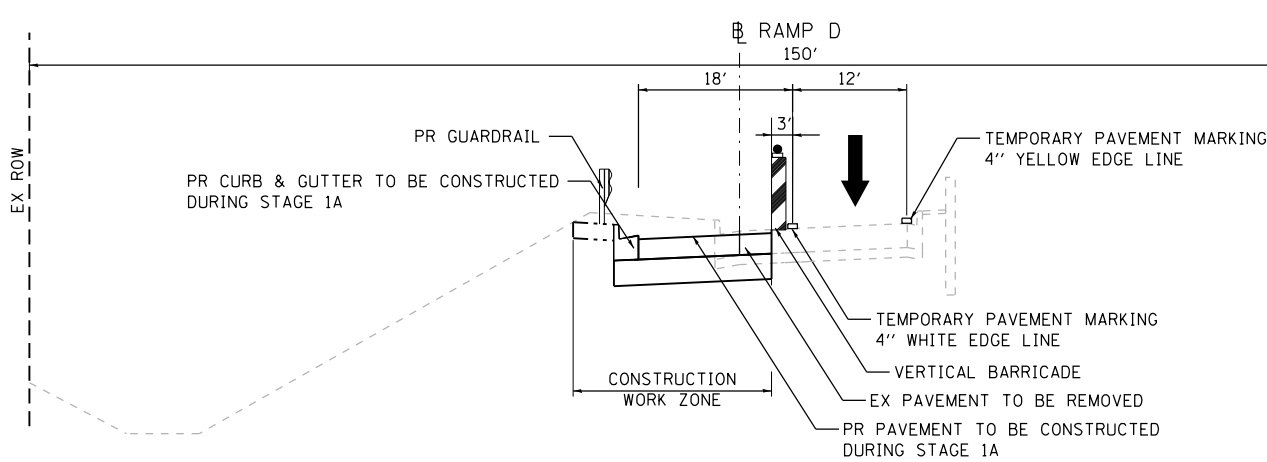


MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1A

IL ROUTE 137 (GREENWOOD AVE)
STA 09+74.00 TO STA 19+81.00

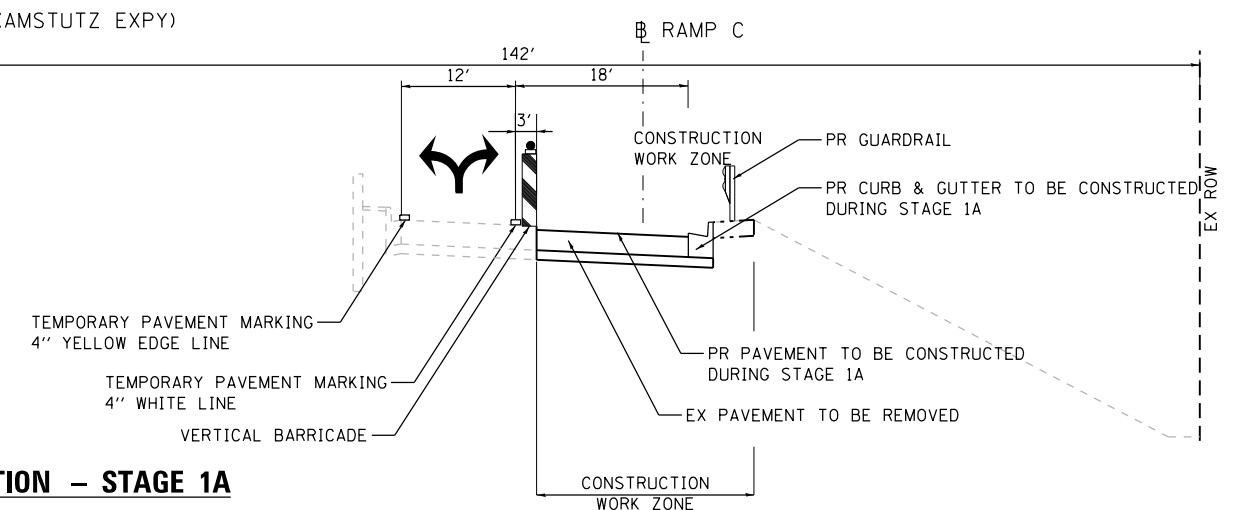
MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1A

IL ROUTE 137 (GREENWOOD AVE)
STA 21+76.00 TO STA 26+82.00



MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1A

IL ROUTE 137 (AMSTUTZ EXPY)
STA 198+35 TO STA 199+78



FILE NAME: F:\P-12\2613-08_PTB_PTB-161-13 - IL 137 Bridge\DRAWING\Sheet\060909-ht-typical-m011.dwg

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PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

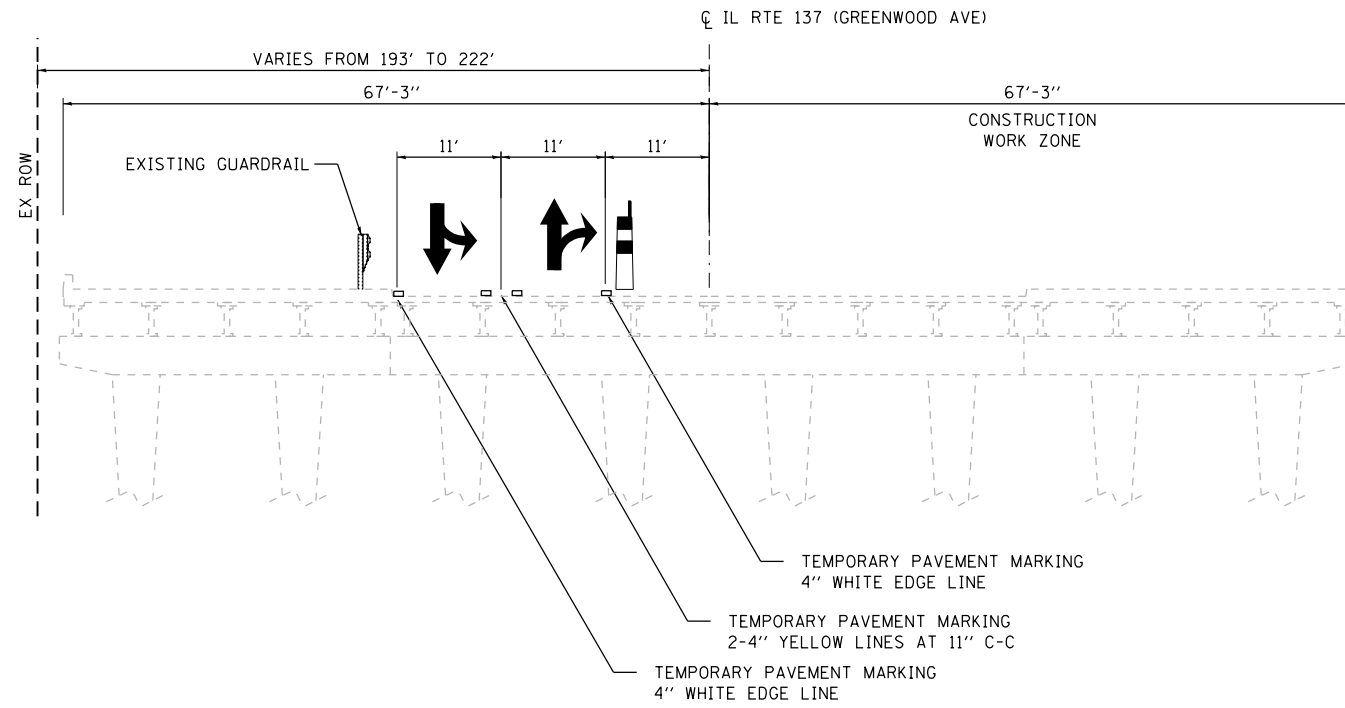
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
TYPICAL SECTIONS - GREENWOOD AVE STAGE 1A

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

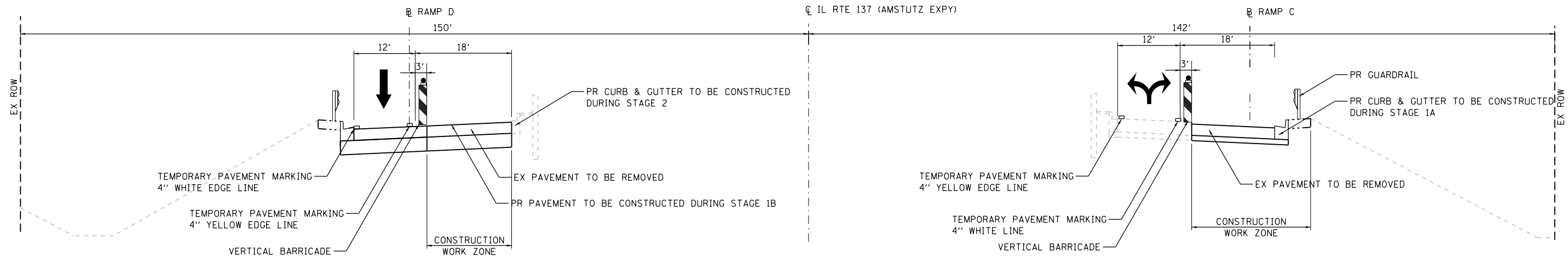
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	32
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STAGE 1B

1. USE STAGE 1B STAGING PLAN SHEETS (SEE SHEETS NO. 38 TO 39), AND STANDARD 701602-07 TO COMPLETE THE FOLLOWING WORK.
2. MAINTAIN TWO-WAY TRAFFIC ALONG THE NORTH SIDE OF IL 137 (GREENWOOD AVE) MAINTAIN A MINIMUM OF ONE 11' THRU LANE IN EACH DIRECTION THROUGHOUT THE ENTIRE PROJECT LENGTH. MAINTAIN STAGE 1A RAMP C LANE CONFIGURATION AND ESTABLISH AN 11' LANE ON THE INSIDE OF RAMP D.
3. REMOVE EXISTING SECTION OF RAMP D PAVEMENT AS SHOWN ON THE STAGING PLAN SHEET NO. 38 AND AS SHOWN ON THE INTERSECTION PAVING DETAIL SHEET NO. 92 .
4. CONSTRUCT THE SECTION OF PAVEMENT ON RAMP D AS SHOWN ON THE STAGING PLAN SHEET NO. 38 AND AS SHOWN ON THE INTERSECTION PAVING DETAIL SHEET NO. 92 .



MAINTENANCE OF TRAFFIC TYPICAL SECTION – STAGE 1B
 IL ROUTE 137 (GREENWOOD AVE) OVER IL ROUTE 137 (AMSTUTZ EXPY)
 STA 19+81 TO STA 21+76



MAINTENANCE OF TRAFFIC TYPICAL SECTION – STAGE 1B
 IL 137 (AMSTUTZ EXPY)
 STA 198+39 TO STA 199+65

FILE NAME = F:\P-12\2513-200_PTB_161-13 - IL_137_Bridge\CDON\CADD_Sheets\Designs-ant-topical_MOT1B.dgn

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	DRAWN - AGL	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

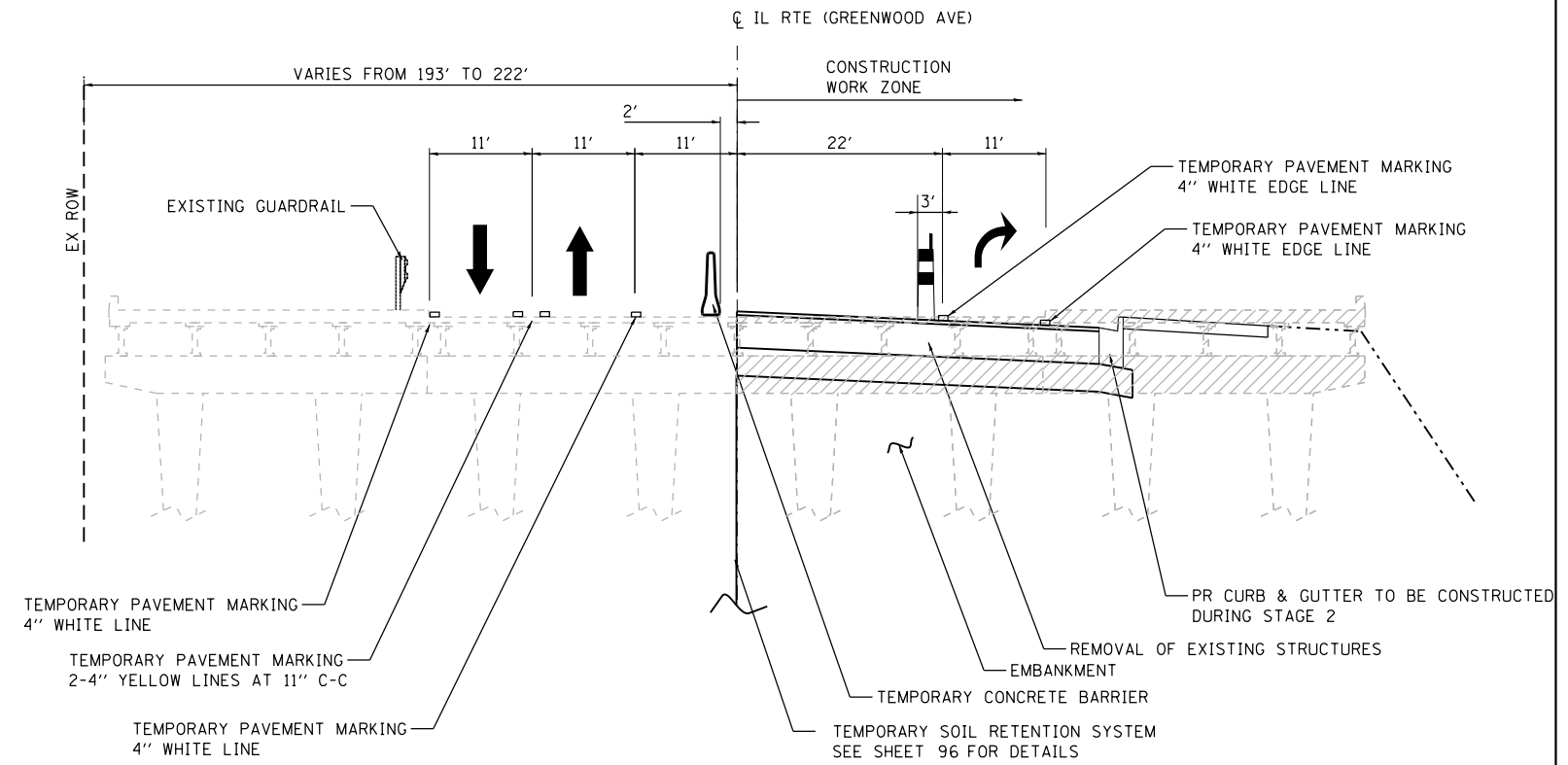
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 TYPICAL SECTIONS – GREENWOOD AVE. STAGE 1B**

SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

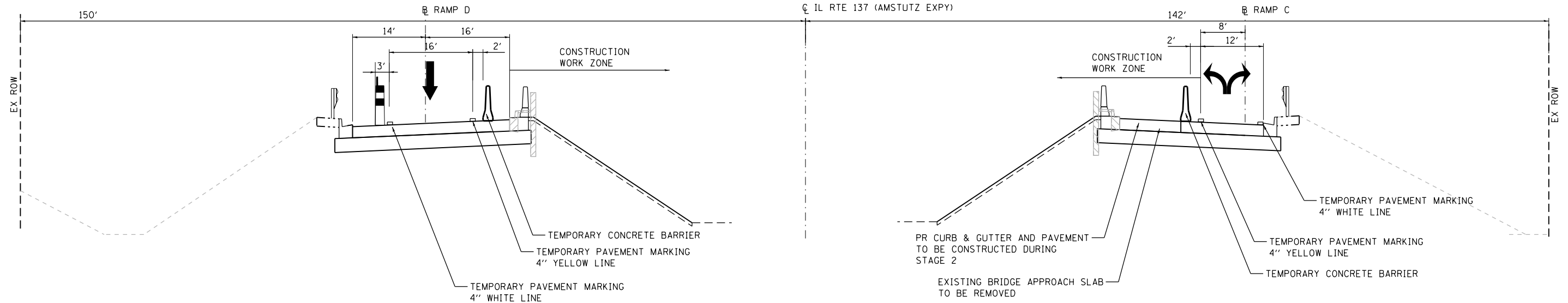
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	33
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STAGE 2

- USE STAGE 2 STAGING PLAN SHEETS (SEE SHEETS NO. 40 TO 41) AND STANDARD 701602-07 TO COMPLETE THE FOLLOWING WORK.
- MAINTAIN TWO-WAY TRAFFIC ALONG THE NORTH SIDE OF IL 137 (GREENWOOD AVE) MAINTAIN A MINIMUM OF ONE 11' THRU LANES IN EACH DIRECTION THROUGHOUT THE ENTIRE PROJECT LENGTH. MAINTAIN A SINGLE 11' LANE ON THE OUTSIDE OF RAMP D, AND ESTABLISH AN 11' LANE ON THE OUTSIDE OF RAMP C.
- REMOVE THE EXISTING SOUTH SIDE INTERIOR INTERCHANGE PAVEMENT AND CURB & GUTTER FROM STA 20+16 TO STA 21+50 AS SHOWN ON THE STAGE 2 PLAN SHEETS 40 & 41 .
- PARTIALLY REMOVE EXISTING SUPERSTRUCTURE IN PREPARATION FOR TEMPORARY SOIL RETENTION SYSTEM TO BE PLACED PARALLEL TO IL 137 (GREENWOOD AVE) BETWEEN THE REMAINING ABUTMENTS.
- PLACE THE TEMPORARY SOIL RETENTION SYSTEM THAT IS TO REMAIN IN PLACE.
- PLACE EMBANKMENT FILL AND CONSTRUCT MAINLINE PAVEMENT, CURB & GUTTER, AND SIDEWALK ALONG SOUTH SIDE OF IL 137 (GREENWOOD AVE) THE MEDIAN ISLANDS WILL BE CONSTRUCTED DURING THE POST PHASE.



MAINTENANCE OF TRAFFIC TYPICAL SECTION – STAGE 2
 IL ROUTE 137 (GREENWOOD AVE) OVER IL ROUTE 137 (AMSTUTZ EXPY)
 STA 19+24 TO STA 22+00



MAINTENANCE OF TRAFFIC TYPICAL SECTION – STAGE 2
 IL 137 (AMSTUTZ EXPY)
 STA 198+39 TO STA 199+65

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DRAWN - AGL	REVISIONS -	
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PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 TYPICAL SECTIONS – GREENWOOD AVE. STAGE 2**

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

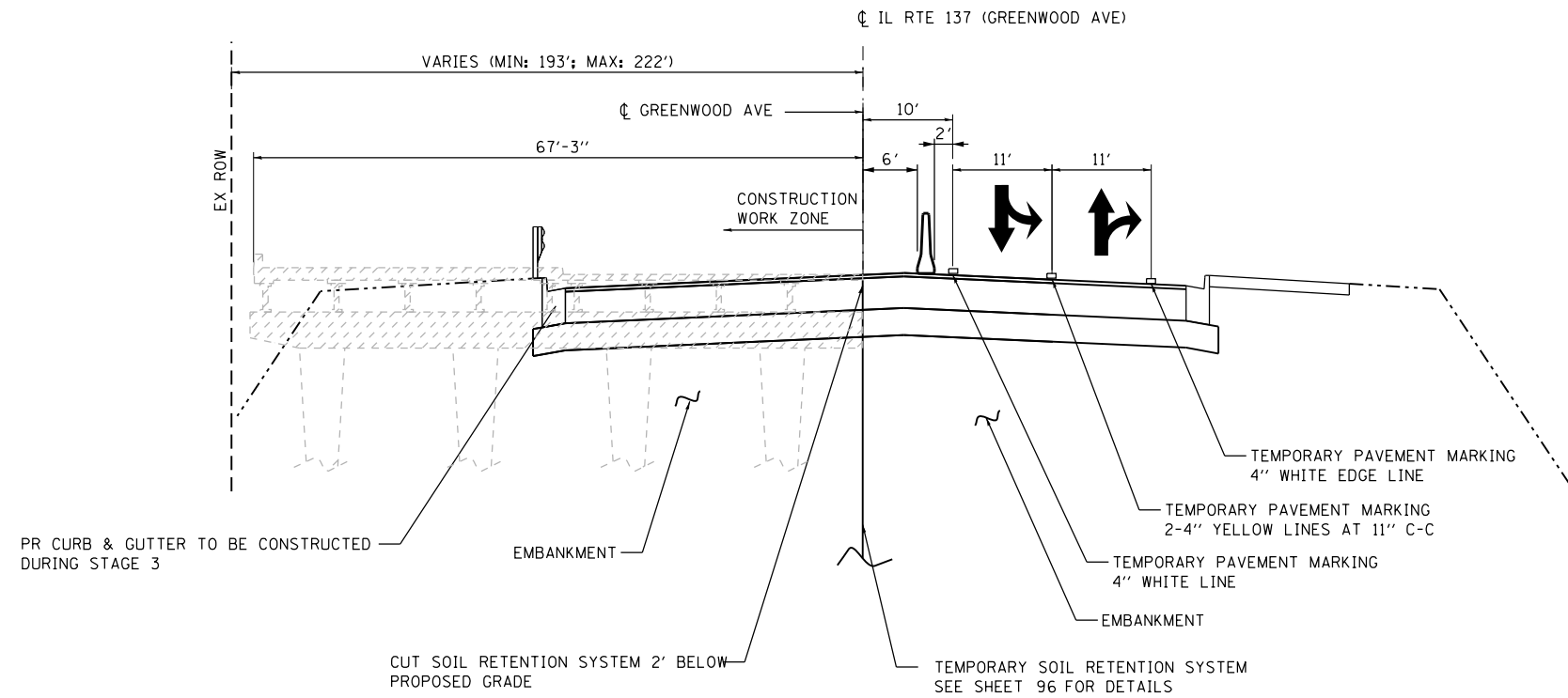
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352	8HB-BR	LAKE	121	34
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STAGE 3

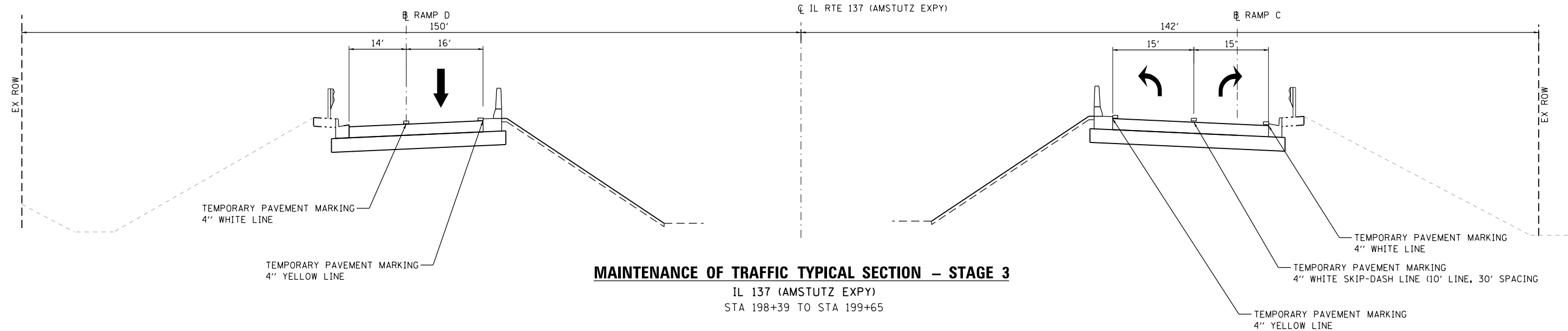
1. USE STAGE 3 STAGING PLAN SHEETS (SEE SHEETS NO. 42 TO 43) AND STANDARD 701602-06 TO COMPLETE THE FOLOWING WORK.
2. ESTABLISH TWO-WAY TRAFFIC ALONG THE SOUTH SIDE OF IL 137 (GREENWOOD AVE) MAINTAIN A MINIMUM OF ONE 11' THRU LANE IN EACH DIRECTION THROUGHOUT THE ENTIRE PROJECT LENGTH.
3. REMOVE EXISTING PAVEMENT AND CURB AND GUTTER ALONG THE NORTH SIDE OF IL 137 (GREENWOOD AVE) WITHIN THE LIMITS LAID OUT IN THE CONSTRUCTION DETAILS.
4. REMOVE EXISTING REMAINING SUPERSTRUCTURE.
5. PLACE EMBANKMENT FILL AND CONSTRUCT MAINLINE PAVEMENT, CURB & GUTTER, DRIVEWAYS, STORM SEWER AND SIDEWALK ALONG NORTH SIDE OF IL 137 (GREENWOOD AVE).
6. TEMPORARY SOIL RETENTION SYSTEM TO BE CUT OFF AT APPROXIMATELY 2' BELOW FINISHED GRADE.

STAGE 4

1. USE HIGHWAY STANDARD 701602 TO COMPLETE THE FOLLOWING:
 - a. DOWEL IN BARRIER MEDIAN AND ISLANDS.
 - b. PLACE CORRUGATED MEDIAN.
2. USE HIGHWAY STANDARD 701101 TO COMPLETE THE FOLLOWING:
 - a. PROPOSED SIGN PLACEMENT IN ACCORDANCE TO MUTCD
 - b. PLACE PROPOSED HIGHWAY LIGHTING
 - c. CONSTRUCT PROPOSED GUARDRAIL ALONG GREENWOOD AVE.
3. USE HIGHWAY STANDARD 701602 TO COMPLETE THE FOLLOWING:
 - a. PLACEMENT OF SURFACE COARSE
4. USE HIGHWAY STANDARD 701311 TO COMPLETE THE FOLLOWING:
 - a. PLACEMENT OF PROPOSED PAVEMENT MARKINGS AND REFLECTORS



MAINTENANCE OF TRAFFIC TYPICAL SECTION – STAGE 3
 IL ROUTE 137 (GREENWOOD AVE) OVER IL ROUTE 137 (AMSTUTZ EXPY)
 STA 19+81 TO STA 21+76



MAINTENANCE OF TRAFFIC TYPICAL SECTION – STAGE 3
 IL 137 (AMSTUTZ EXPY)
 STA 198+39 TO STA 199+65

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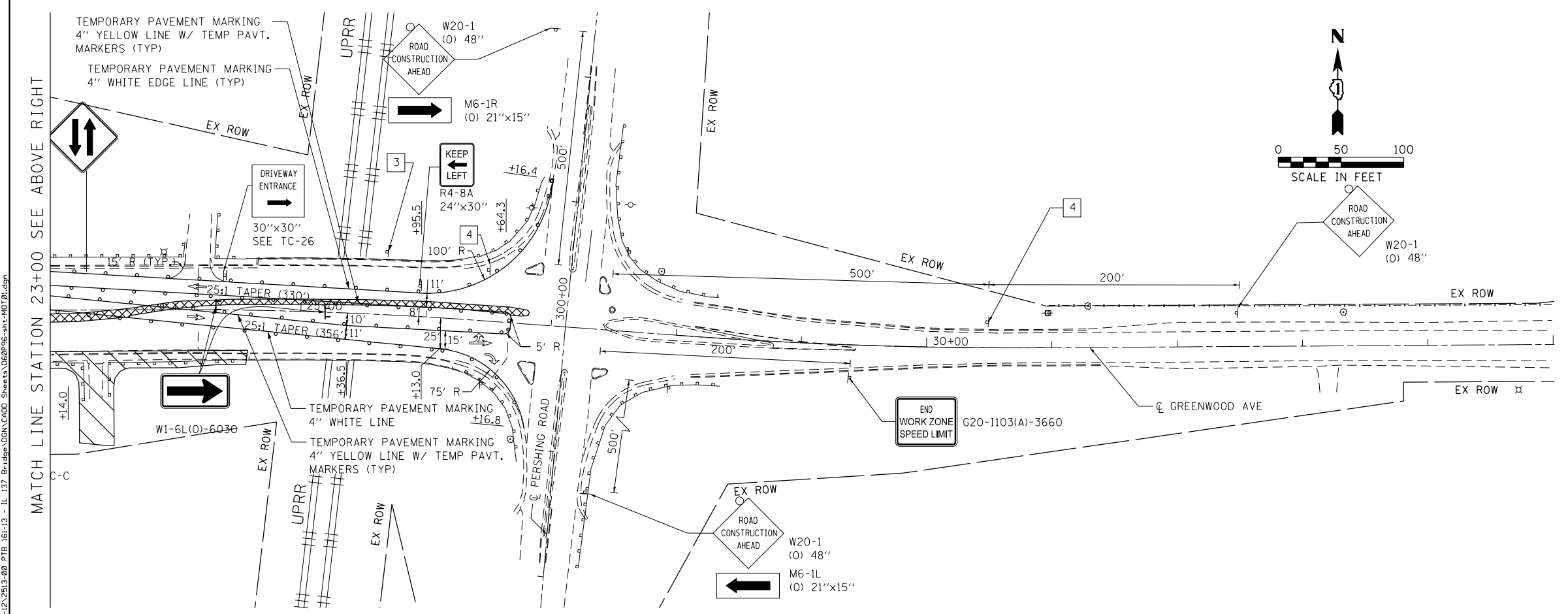
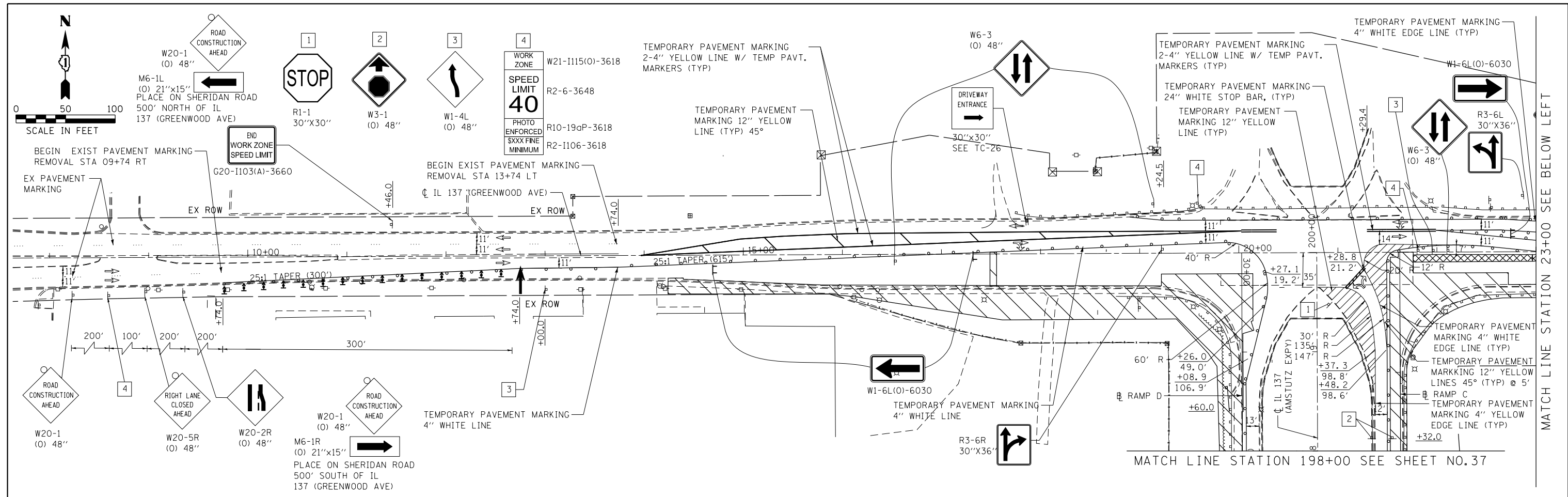
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PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 TYPICAL SECTIONS – GREENWOOD AVE. STAGE 3**

SCALE: N.T.S. SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	35
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:

- NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE

LEGEND

- SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
- CONSTRUCTION WORK ZONE
- PERMANENT PAVEMENT PLACED DURING PRE-STAGE
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
- DIRECTIONAL ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR
- DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT

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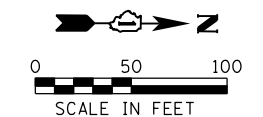
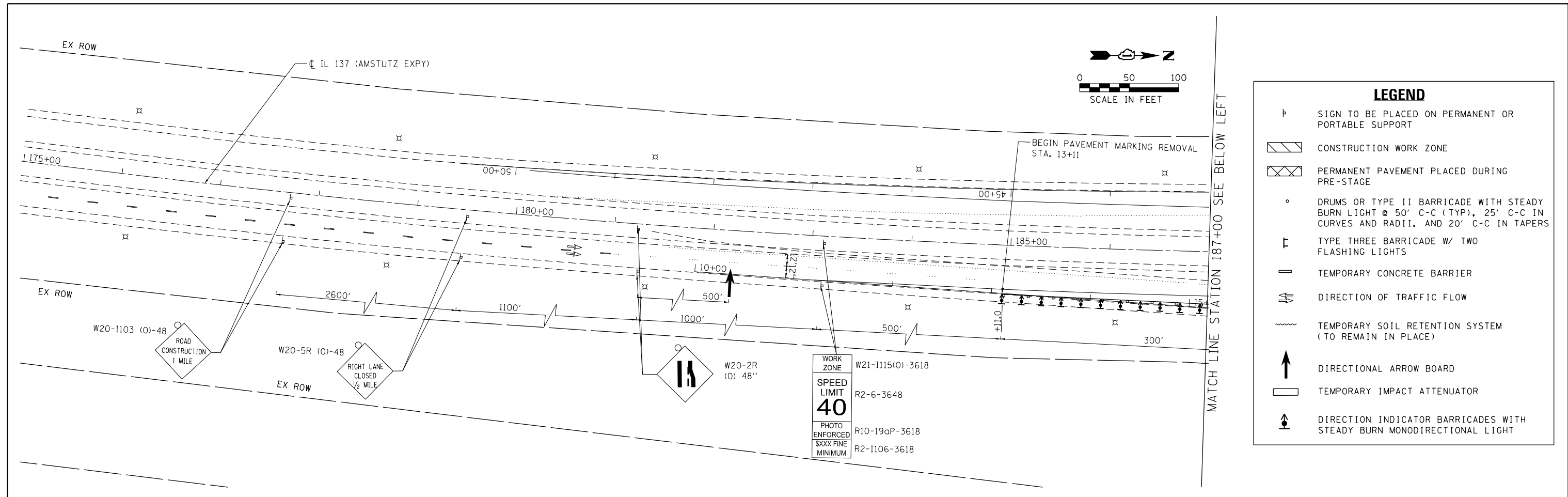
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PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
IL 137 (GREENWOOD AVE) STAGE 1A**

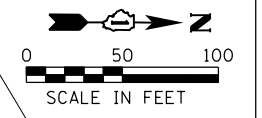
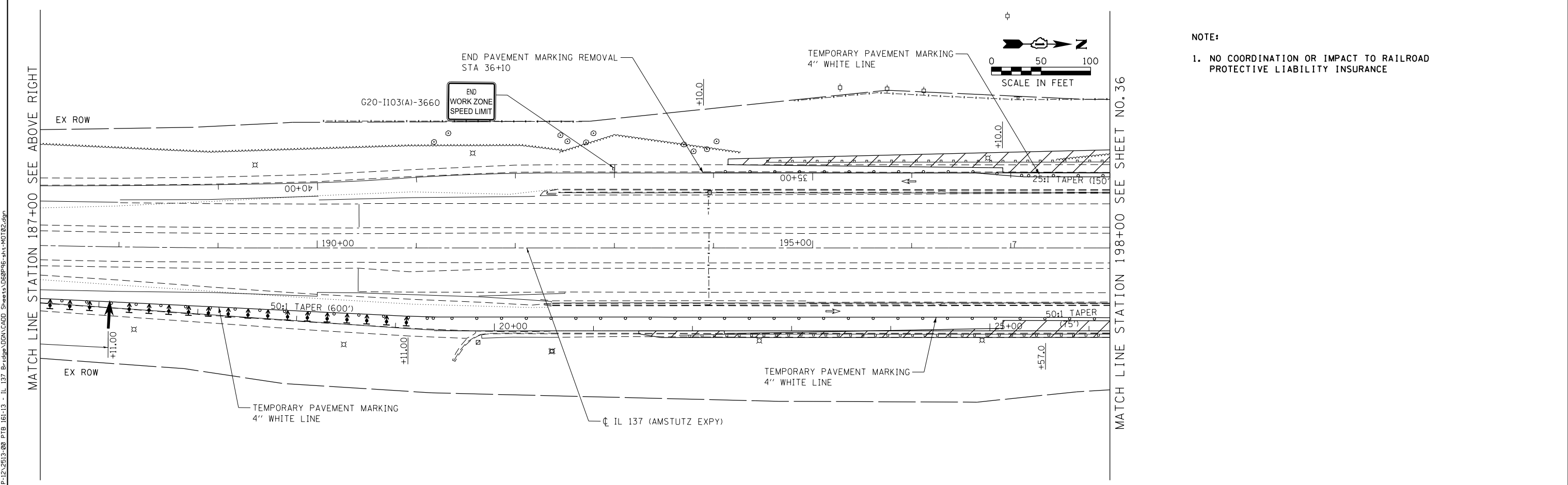
SCALE: 1"=50' SHEET 1 OF 8 SHEETS STA. 08+00 TO STA. 35+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	36
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
- CONSTRUCTION WORK ZONE
- PERMANENT PAVEMENT PLACED DURING PRE-STAGE
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
- DIRECTIONAL ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR
- DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT



NOTE:
1. NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE

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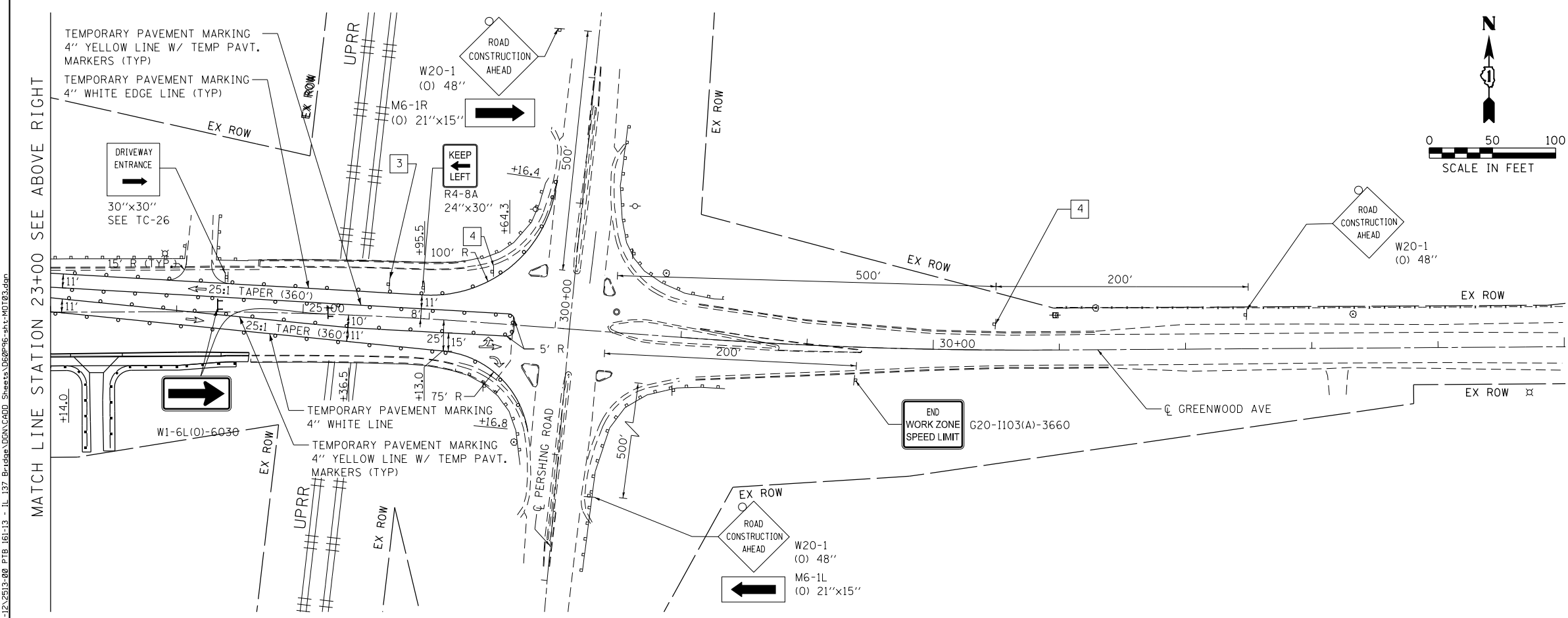
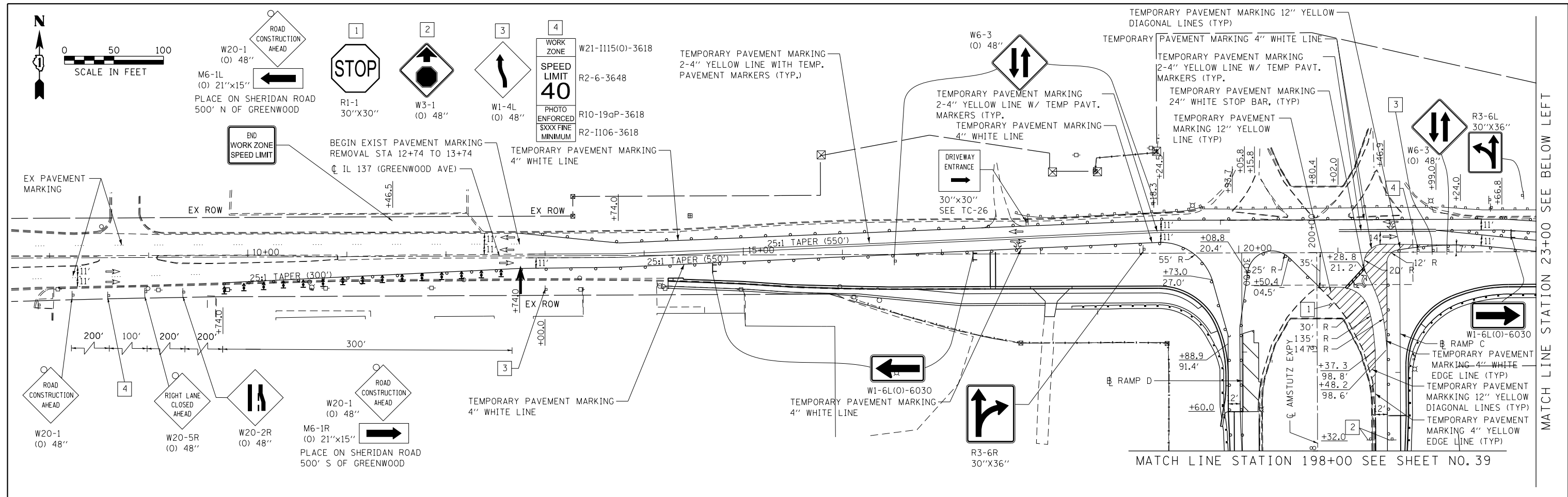
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	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
IL 137 (AMSTUTZ EXPY) STAGE 1A**

SCALE: 1"=50' SHEET 2 OF 8 SHEETS STA. 175+00 TO STA. 198+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	37
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:

- NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE

LEGEND

- SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
- CONSTRUCTION WORK ZONE
- PERMANENT PAVEMENT PLACED DURING PRE-STAGE
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
- DIRECTIONAL ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR
- DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT

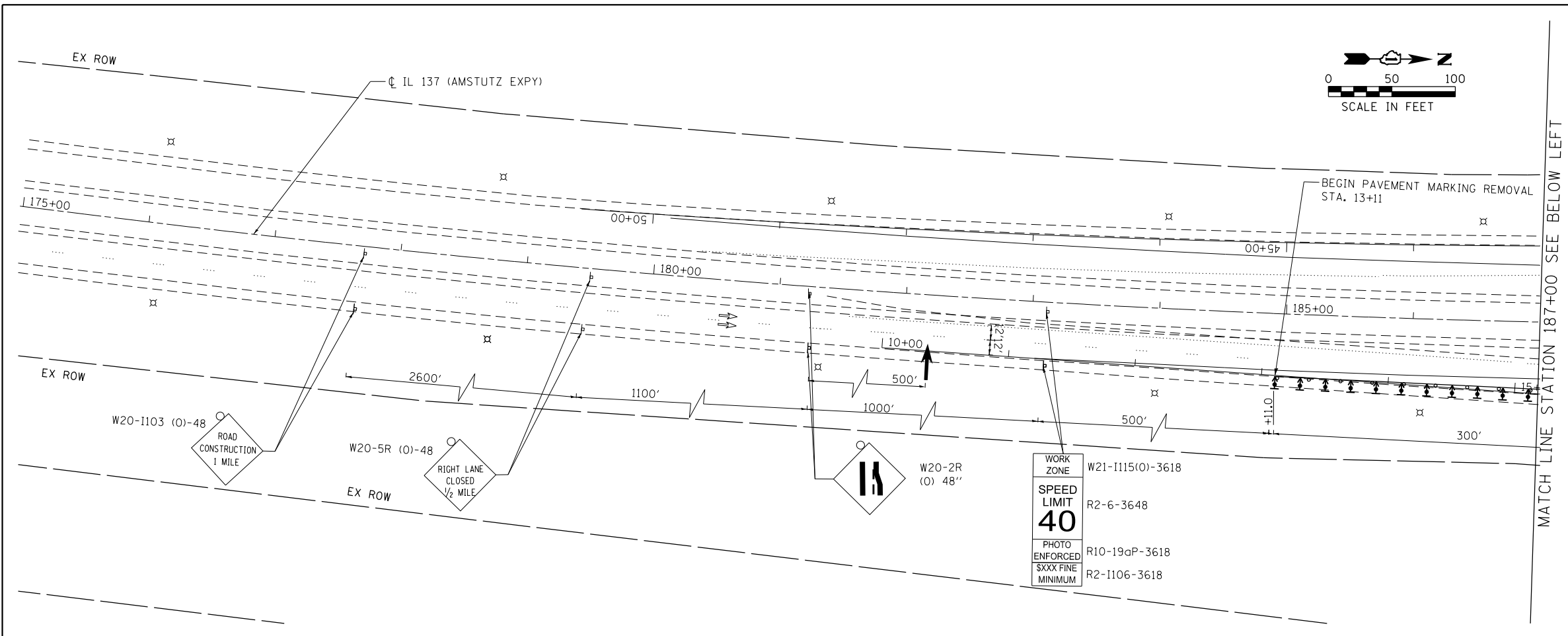
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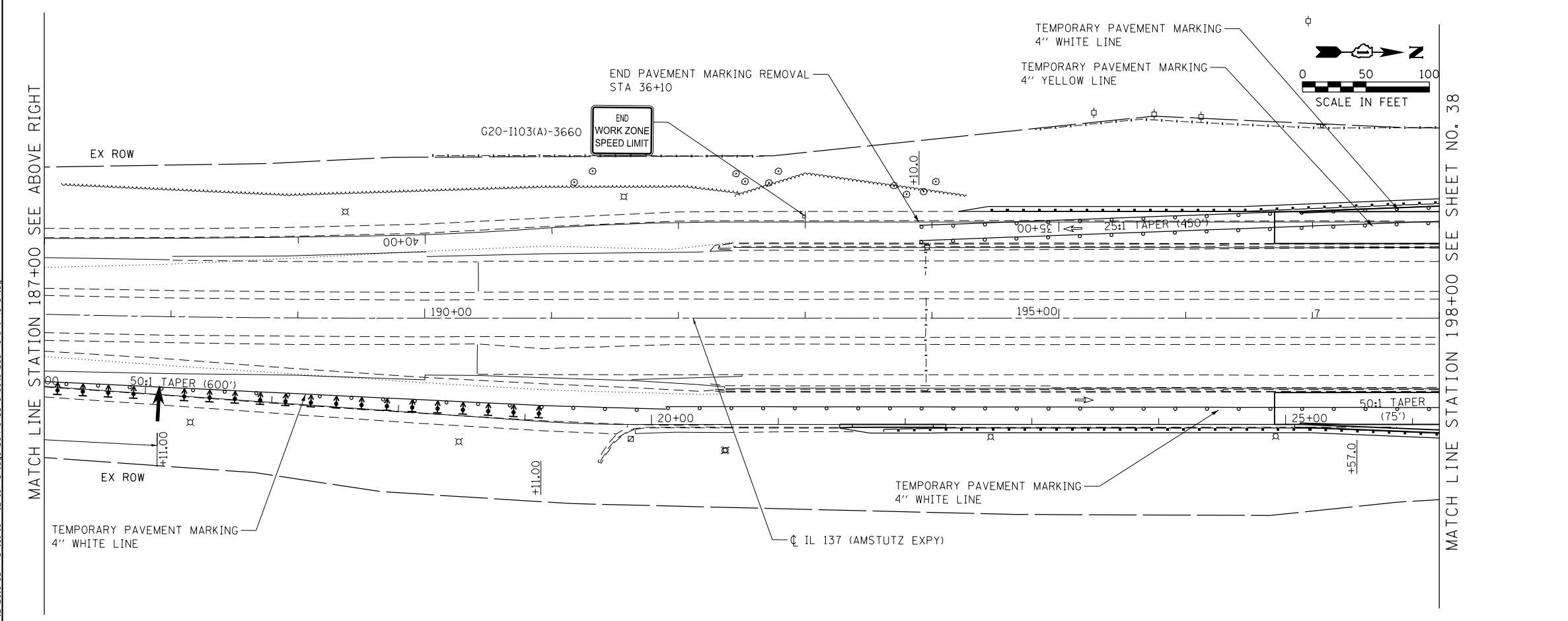
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL			
IL 137 (GREENWOOD AVE) STAGE 1B			
SCALE: 1"=50'	SHEET 3 OF 8 SHEETS	STA. 08+00 TO STA. 35+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	38
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND	
	SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
	CONSTRUCTION WORK ZONE
	PERMANENT PAVEMENT PLACED DURING PRE-STAGE
	DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
	DIRECTIONAL ARROW BOARD
	TEMPORARY IMPACT ATTENUATOR
	DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT



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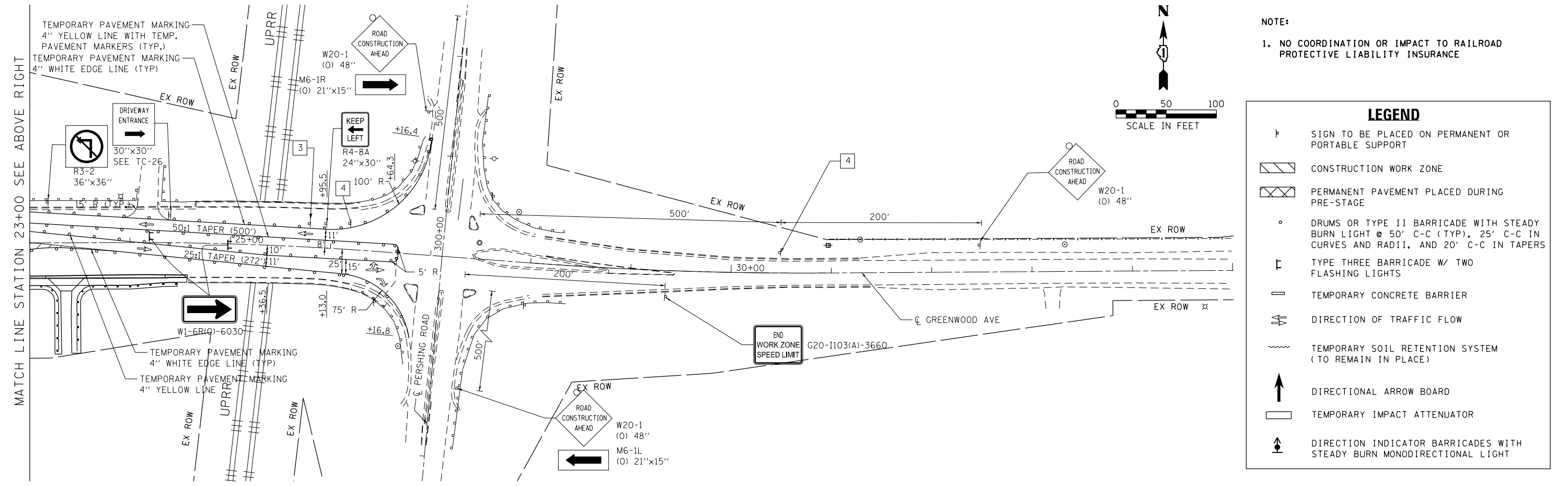
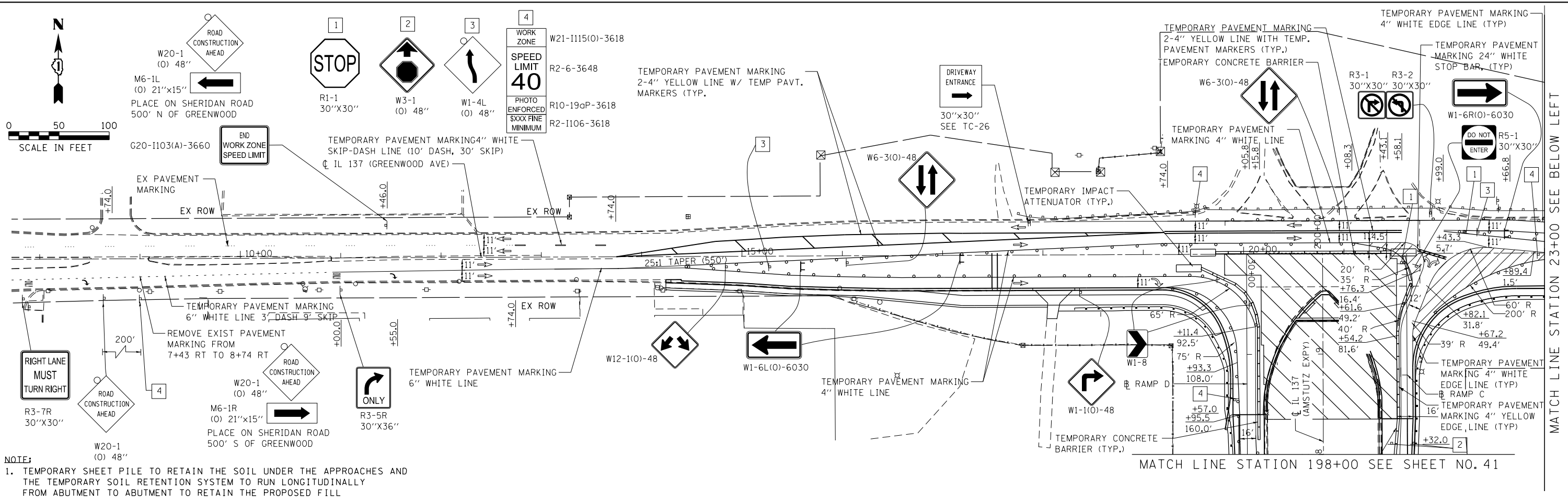
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	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
IL 137 (AMSTUTZ EXPY) STAGE 1B**

SCALE: 1"=50' SHEET 4 OF 8 SHEETS STA. 175+00 TO STA. 198+00

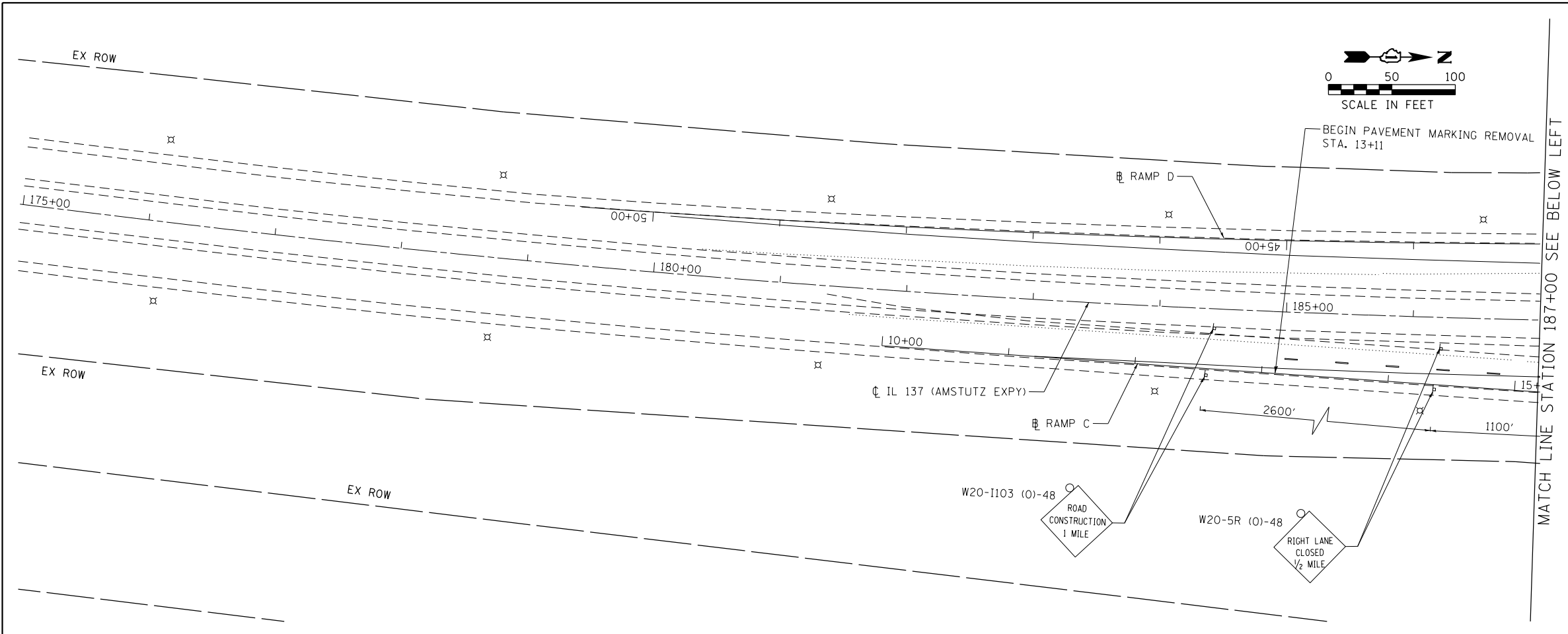
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	39
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



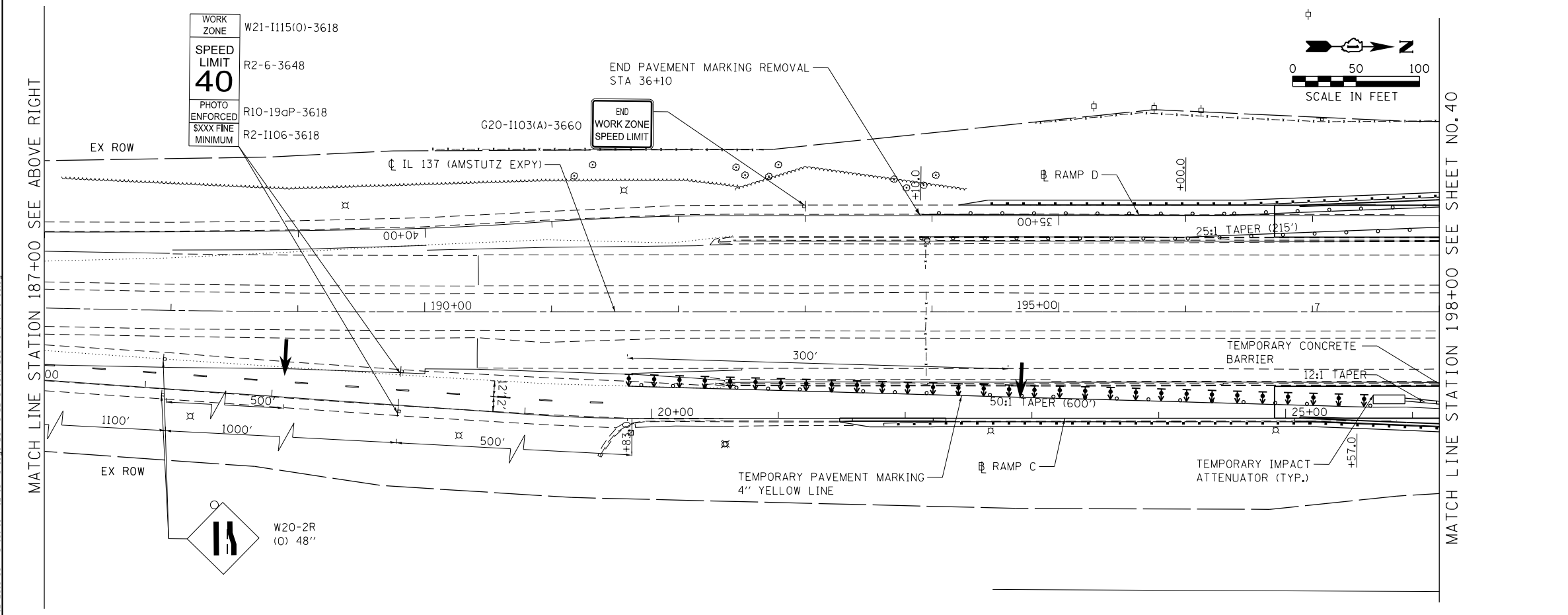
LEGEND

- SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
- ▨ CONSTRUCTION WORK ZONE
- ▩ PERMANENT PAVEMENT PLACED DURING PRE-STAGE
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- ⊥ TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- ➔ DIRECTION OF TRAFFIC FLOW
- ⋈ TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
- ➔ DIRECTIONAL ARROW BOARD
- ▬ TEMPORARY IMPACT ATTENUATOR
- ⬆ DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT

USER NAME = APatterson	DESIGNED - AGL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL IL 137 (GREENWOOD AVE) STAGE 2			F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 40
PLOT SCALE = 1"=50'	CHECKED - AJP	REVISED -						SCALE: 1"=50'	SHEET 5 OF 8 SHEETS	STA. 08+00 TO STA. 35+00	CONTRACT NO. 60P96	
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -										



LEGEND	
	SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
	CONSTRUCTION WORK ZONE
	PERMANENT PAVEMENT PLACED DURING PRE-STAGE
	DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
	DIRECTIONAL ARROW BOARD
	TEMPORARY IMPACT ATTENUATOR
	DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT



WORK ZONE	W21-I115(0)-3618
SPEED LIMIT	R2-6-3648
PHOTO ENFORCED \$XXX FINE MINIMUM	R10-19dP-3618
	R2-I106-3618

END WORK ZONE SPEED LIMIT

W20-2R (0) 48"

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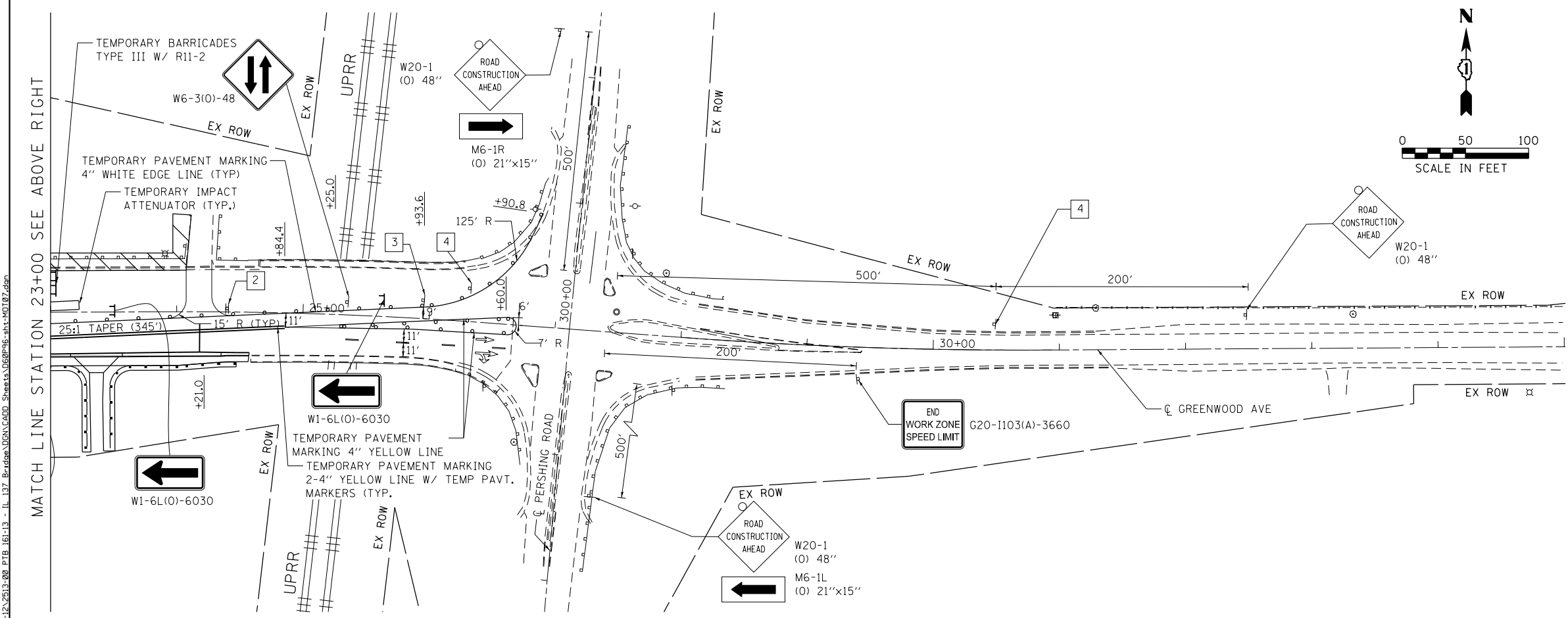
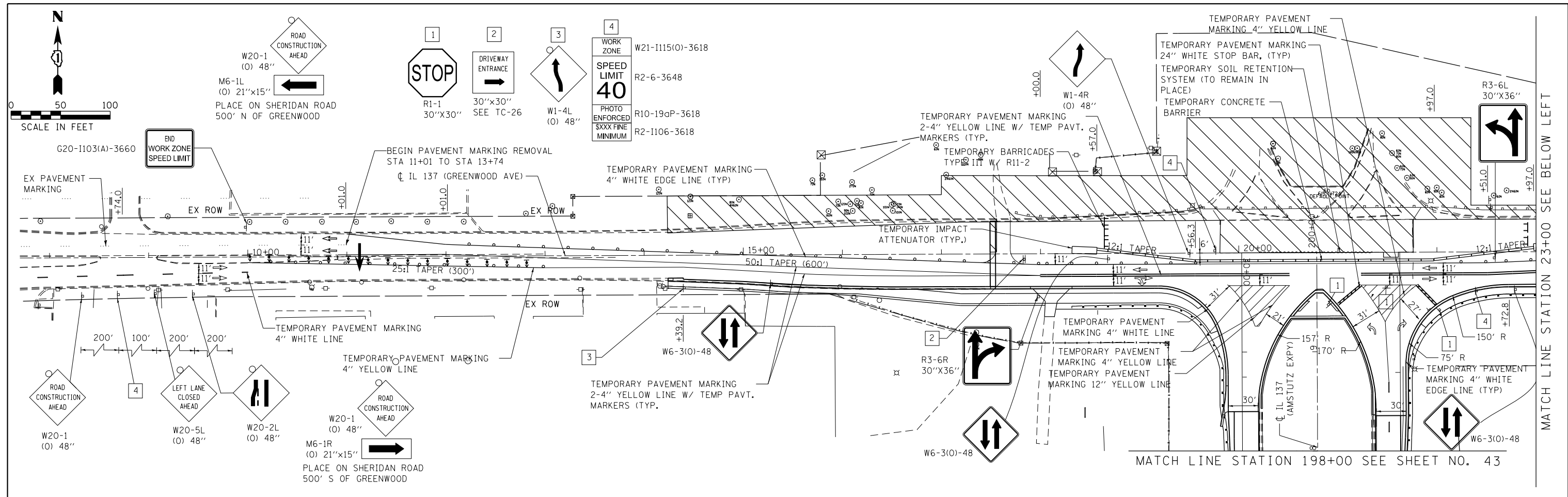
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	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
IL 137 (AMSTUTZ EXPY) STAGE 2

SCALE: 1"=50' SHEET 6 OF 8 SHEETS STA. 175+00 TO STA. 198+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	41
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:
 1. NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE

LEGEND	
	SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
	CONSTRUCTION WORK ZONE
	PERMANENT PAVEMENT PLACED DURING PRE-STAGE
	DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
	DIRECTIONAL ARROW BOARD
	TEMPORARY IMPACT ATTENUATOR
	DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT

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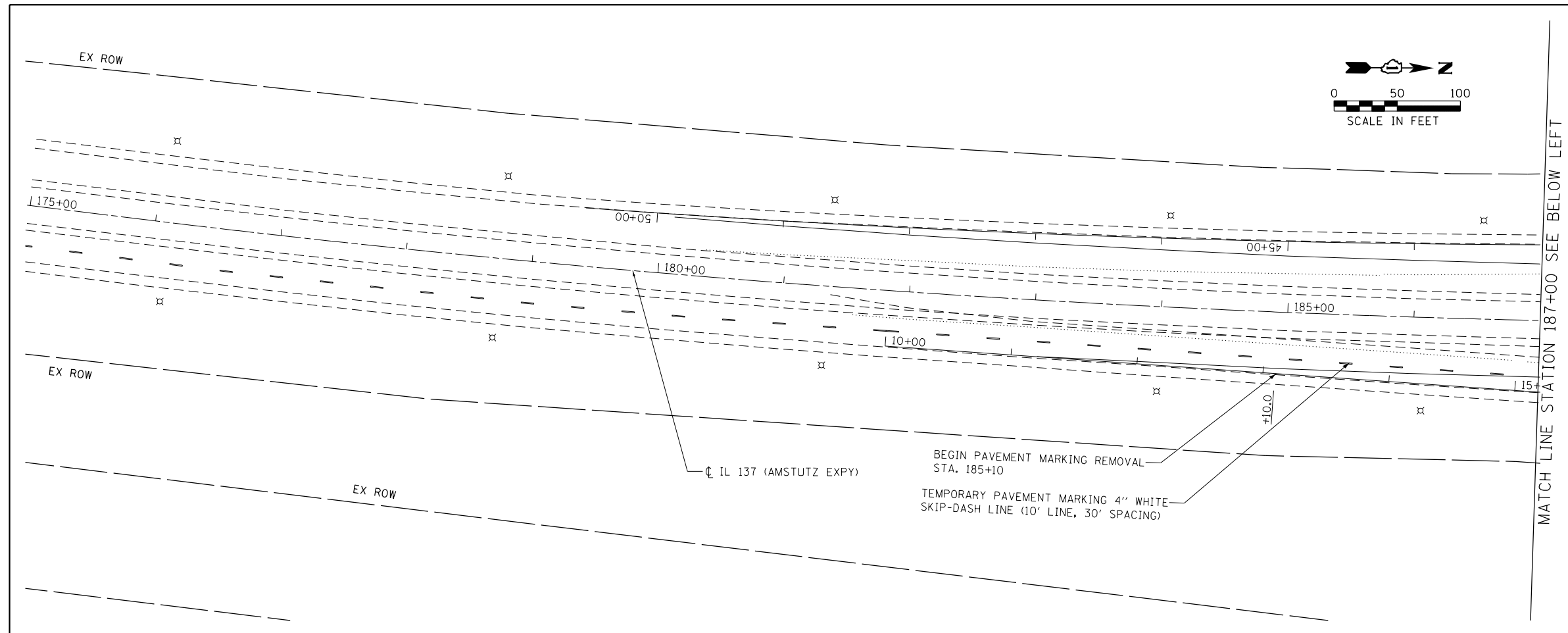
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PLOT SCALE = 1"=50'	DRAWN - AJP	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AGL	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

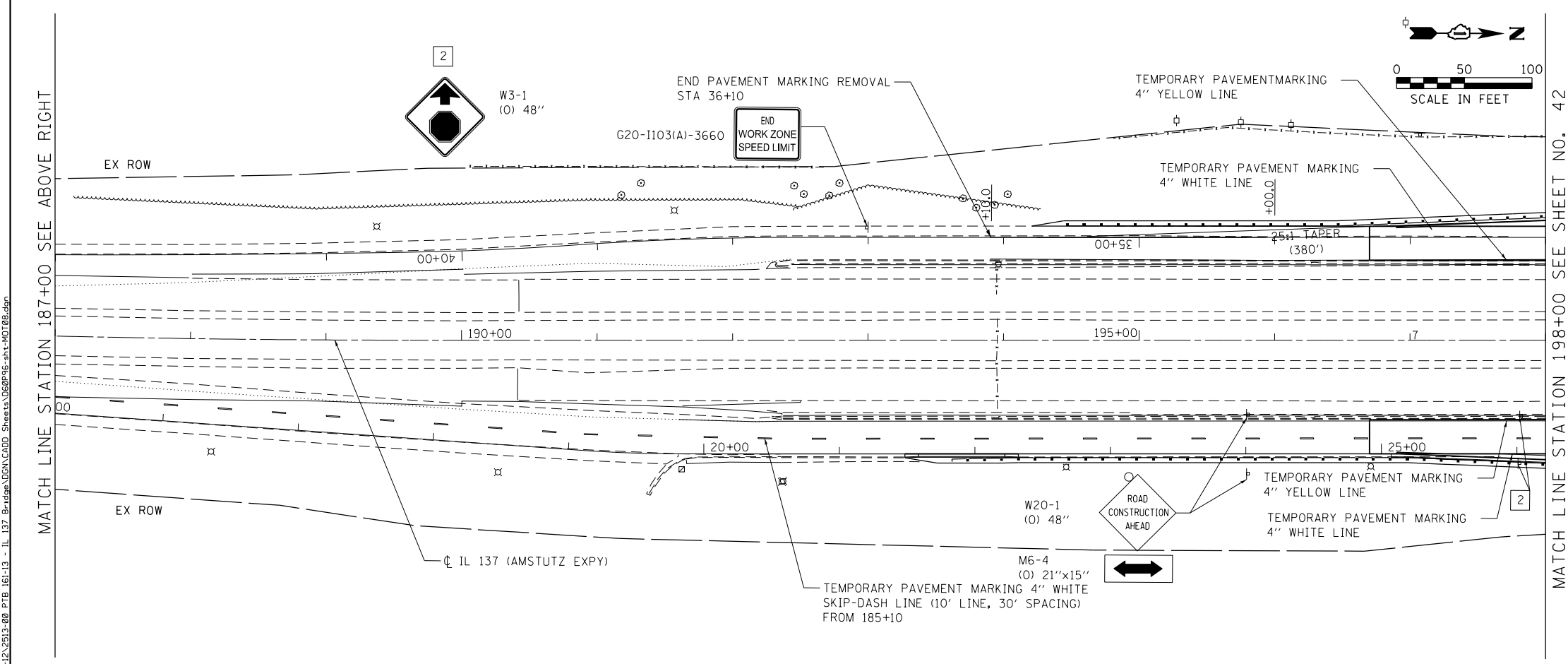
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 IL 137 (GREENWOOD AVE) STAGE 3**

SCALE: 1"=50' SHEET 7 OF 8 SHEETS STA. 08+00 TO STA. 35+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	42
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND	
	SIGN TO BE PLACED ON PERMANENT OR PORTABLE SUPPORT
	CONSTRUCTION WORK ZONE
	PERMANENT PAVEMENT PLACED DURING PRE-STAGE
	DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE THREE BARRICADE W/ TWO FLASHING LIGHTS
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)
	DIRECTIONAL ARROW BOARD
	TEMPORARY IMPACT ATTENUATOR
	DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHT



NOTES FOR STAGE 4

1. USE HIGHWAY STANDARD 701602 TO COMPLETE THE FOLLOWING:
 - a. REMOVE TEMPORARY PAVEMENT AT PROPOSED EAST AND WEST RAMP ISLAND AND FINISH CONSTRUCTION OF CURB & GUTTER.
 - b. REMOVE TEMPORARY PAVEMENT AT PROPOSED GREENWOOD AVENUE CENTER MEDIAN AND FINISH CONSTRUCTION OF CONCRETE MEDIAN.
2. USE HIGHWAY STANDARD 701101 TO COMPLETE THE FOLLOWING:
 - a. PROPOSED SIGN PLACEMENT IN ACCORDANCE TO MUTCD
 - b. PLACE PROPOSED HIGHWAY LIGHTING
 - c. CONSTRUCT PROPOSED GUARDRAIL ALONG GREENWOOD AVE.
3. USE HIGHWAY STANDARD 701602 TO COMPLETE THE FOLLOWING:
 - a. PLACEMENT OF SURFACE COARSE
4. USE HIGHWAY STANDARD 701311 TO COMPLETE THE FOLLOWING:
 - a. PLACEMENT OF PROPOSED PAVEMENT MARKINGS AND REFLECTORS

FILE NAME: P:\12\2513-00_PTB_161-13 - IL 137_Bridge\DDN\CADD_Sheets\060906-sh1-M0108.dgn

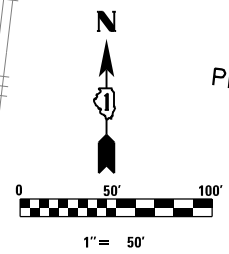
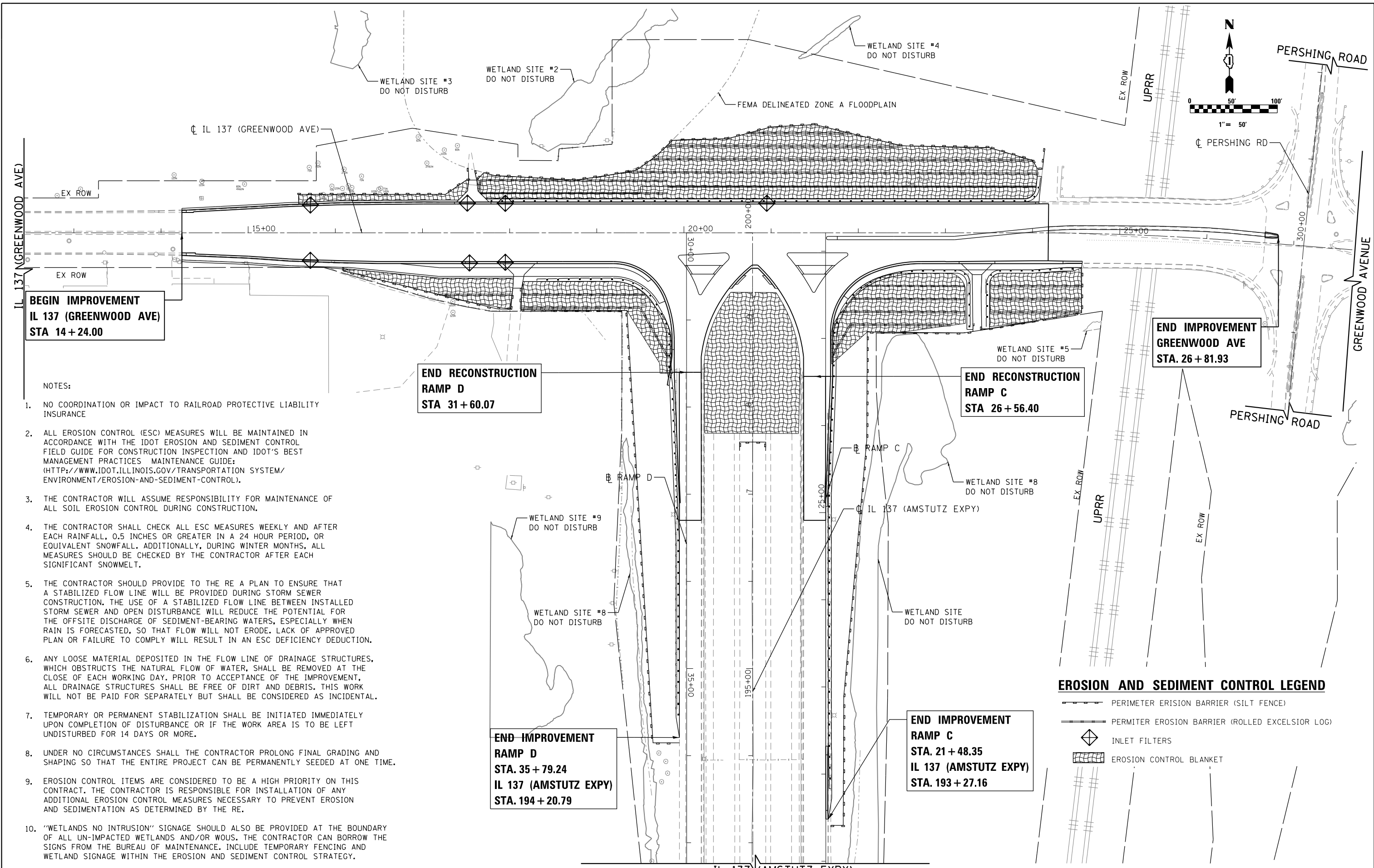
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PLOT SCALE = 1"=50'	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
IL 137 (AMSTUTZ EXPY) STAGE 3**

SCALE: 1"=50' SHEET 8 OF 8 SHEETS STA. 175+00 TO STA. 198+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	43
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**BEGIN IMPROVEMENT
IL 137 (GREENWOOD AVE)
STA 14+24.00**

**END RECONSTRUCTION
RAMP D
STA 31+60.07**

**END RECONSTRUCTION
RAMP C
STA 26+56.40**

**END IMPROVEMENT
GREENWOOD AVE
STA. 26+81.93**

**END IMPROVEMENT
RAMP D
STA. 35+79.24
IL 137 (AMSTUTZ EXPY)
STA. 194+20.79**

**END IMPROVEMENT
RAMP C
STA. 21+48.35
IL 137 (AMSTUTZ EXPY)
STA. 193+27.16**

NOTES:

1. NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE
2. ALL EROSION CONTROL (ESC) MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES MAINTENANCE GUIDE: ([HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION SYSTEM/ ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)).
3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
5. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
6. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
7. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
8. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
9. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.
10. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

EROSION AND SEDIMENT CONTROL LEGEND

- PERIMETER EROSION BARRIER (SILT FENCE)
- PERIMETER EROSION BARRIER (ROLLED EXCELSIOR LOG)
- INLET FILTERS
- EROSION CONTROL BLANKET

FILE NAME = P:\P-12\2513-00 P1B 161-13 - IL 137 Bridge\DDN\CADD Sheets\060919.sht-EC01.dgn

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PLOT SCALE = 1"=50'	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN

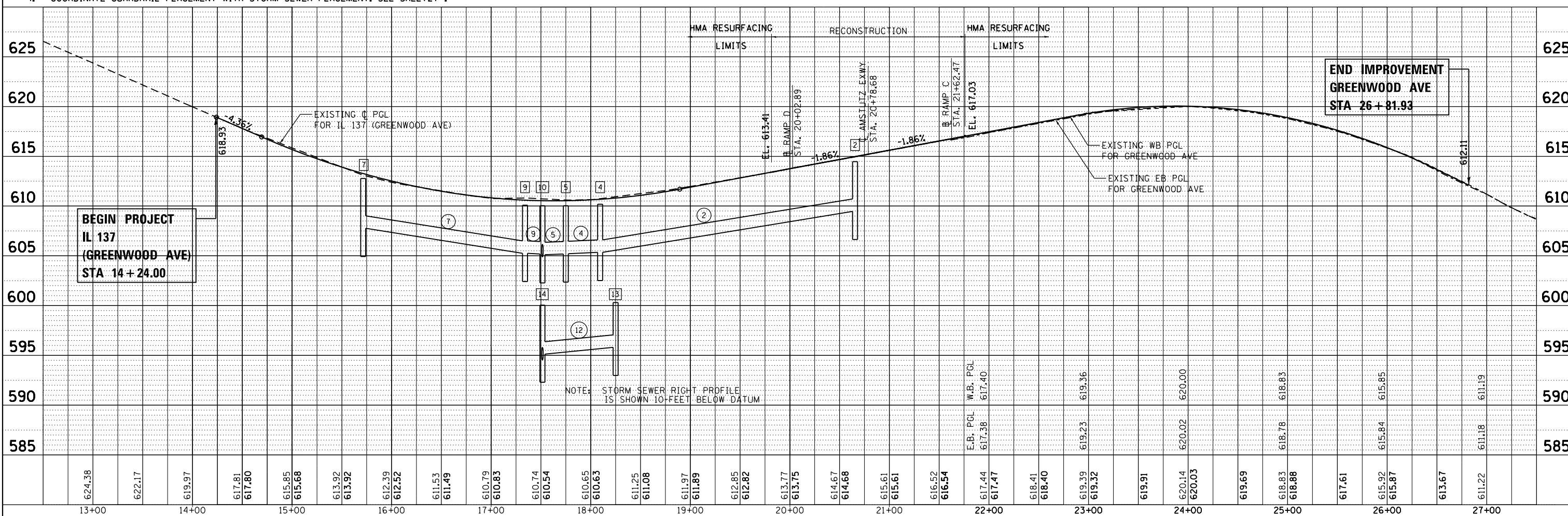
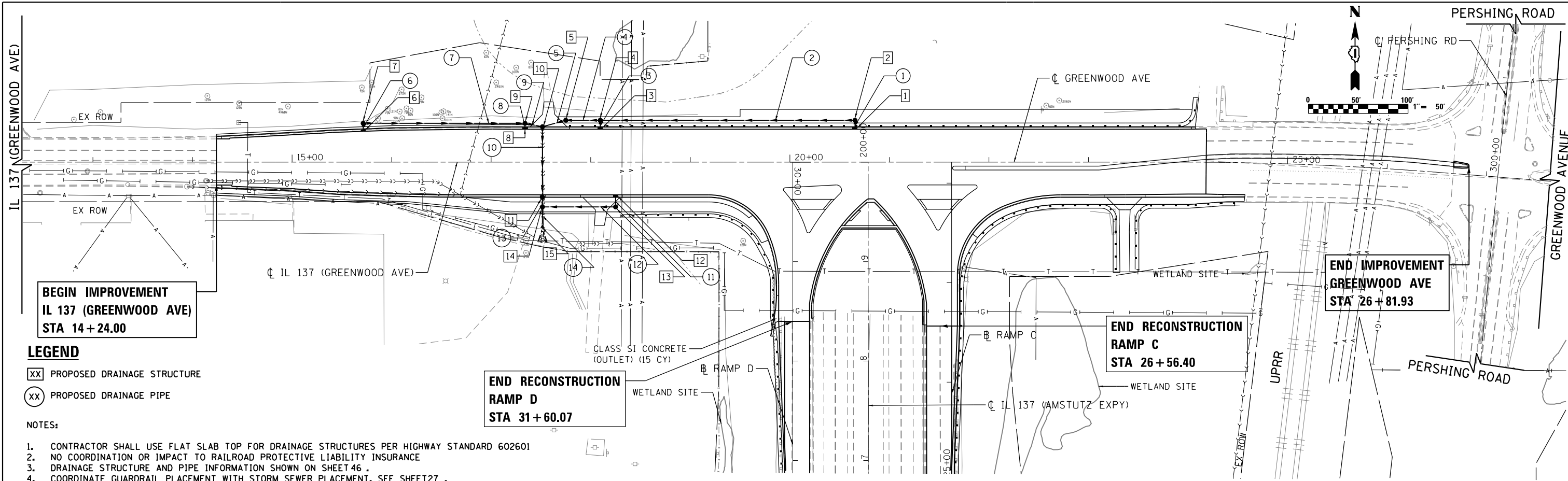
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	44
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	FILE NAME	

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USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=50'H=5'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50'H=5'V SHEET 1 OF 2 SHEETS STA. TO STA.

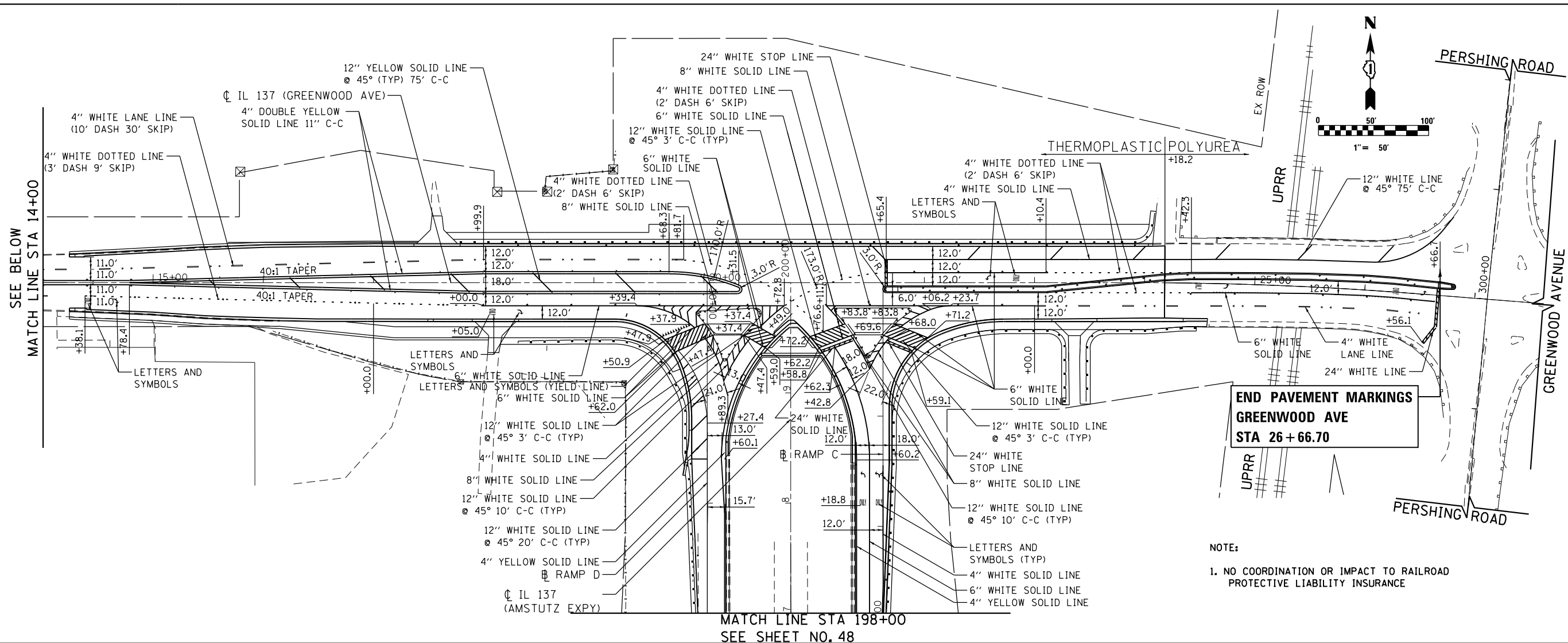
F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 45
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STRUCTURE SCHEDULE									
STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME AND GRATE	RIM ELEVATION	INVERT ELEVATION			
						NORTH	SOUTH	EAST	WEST
1	20+65.5	33' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	614.47	609.50			
2	20+65.5	42' LT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	615.05		609.47		609.47
3	18+09.5	33' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	610.18	606.68			
4	18+09.5	42' LT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.76		606.65	605.35	605.35
5	17+75.0	42' LT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.62			605.21	605.21
6	15+71.5	31' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	612.77	609.27			
7	15+71.5	39' LT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	613.35		609.24	607.77	
8	17+34.0	33' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	610.09	606.59			
9	17+34.0	39' LT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.67		606.58	605.25	605.25
10	17+51.5	33' LT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	610.04		604.90	605.11	605.19
11	17+51.5	33' RT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	610.04	604.57	604.57		
12	18+25.0	33' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	610.31		606.81		
13	18+25.0	45' RT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.89	606.78			605.81
14	17+51.5	45' RT	CB, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.62	606.75	604.54	605.13	
15	17+51.5	62.4' RT	PRC FES 15			604.46	604.43		

PIPE SCHEDULE									
PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE %	TBF (CY)
	FROM	TO							
1	1	2	STORM SEWER	A	2	12	4.0	0.50%	2
2	2	4	STORM SEWER	A	2	15	251.0	1.64%	
3	3	4	STORM SEWER	A	2	12	4.0	0.50%	2
4	4	5	STORM SEWER	A	2	15	29.5	0.50%	
5	5	10	STORM SEWER	A	2	15	19.5	0.50%	
6	6	7	STORM SEWER	A	2	12	3.0	0.50%	1
7	7	9	STORM SEWER	A	2	15	157.5	1.60%	
8	8	9	STORM SEWER	A	2	12	2.0	0.50%	1
9	9	10	STORM SEWER	A	2	15	13.0	0.50%	
10	10	11	STORM SEWER	A	2	15	66.0	0.50%	52
11	12	13	STORM SEWER	A	2	12	7.0	0.50%	3
12	13	14	STORM SEWER	A	2	12	68.5	1.00%	
13	11	14	STORM SEWER	A	2	15	5.5	0.50%	5
14	14	15	STORM SEWER	A	2	15	15.0	0.50%	

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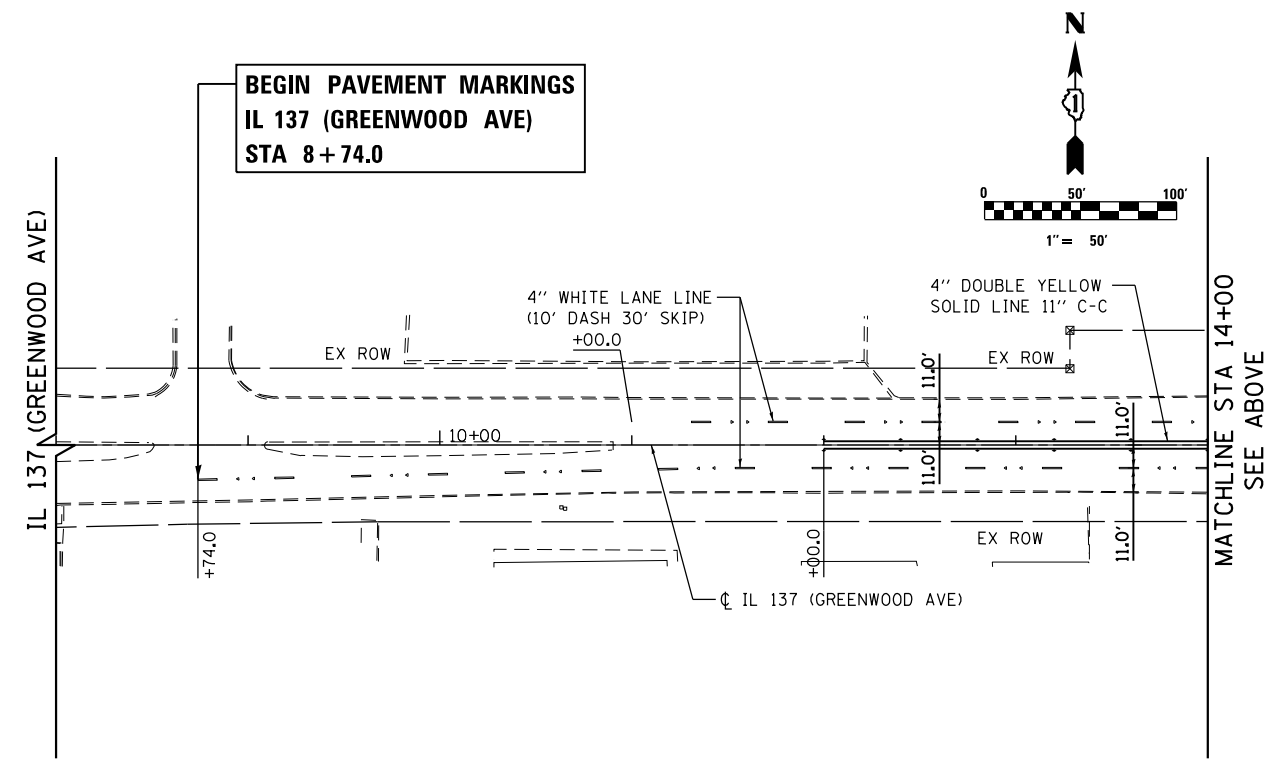
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DRAWN - AGL	REVISED -	352				8HB-BR	LAKE	121	46	
PLOT SCALE =	CHECKED - AJP	REVISED -		SCALE:		SHEET 2 OF 2 SHEETS		STA.	TO STA.	
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -		CONTRACT NO. 60P96						
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT										



**END PAVEMENT MARKINGS
GREENWOOD AVE
STA 26 + 66.70**

NOTE:
1. NO COORDINATION OR IMPACT TO RAILROAD
PROTECTIVE LIABILITY INSURANCE

**MATCH LINE STA 198+00
SEE SHEET NO. 48**

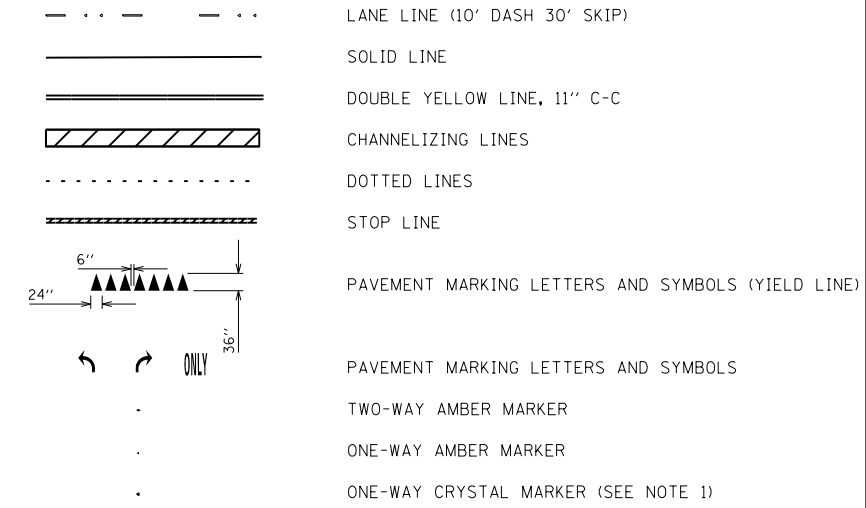


**BEGIN PAVEMENT MARKINGS
IL 137 (GREENWOOD AVE)
STA 8 + 74.0**

NOTES:

1. MARKERS SHALL BE PLACED AS FOLLOWS:
 - A. SHOWN ADJACENT TO PAVEMENT MARKING
 - i. ONE-WAY CRYSTAL MARKER (W/O) @ 40' C-C
 - ii. PLACED PER DISTRICT 1 DETAIL TC-11
 - B. SHOWN ADJACENT TO GUARDRAIL
 - i. TYPE A REFLECTOR MARKER @ 80' C-C. TO BE PAID FOR AS GUARDRAIL MARKERS, TYPE A.
 - ii. PLACED PER IDOT HIGHWAY STANDARD 635006-03 & 635011-02
 - C. SHOWN ADJACENT TO CONCRETE BARRIER
 - i. TYPE B REFLECTOR MARKER PLACED ON FACE OF WALL. TO BE PAID FOR AS BARRIER WALL MARKERS, TYPE B.
 - ii. TYPE C REFLECTOR MARKER PLACED ON TOP OF WALL. TO BE PAID FOR AS BARRIER WALL MARKERS, TYPE C.
 - iii. SPACED @ 80' C-C
 - iv. PLACED PER IDOT HIGHWAY STANDARD 635011-02
 - D. SHOWN ON BARRIER MEDIAN
 - i. PRISMATIC CURB REFLECTOR @ 40' C-C. TO BE PAID FOR AS PRISMATIC CURB REFLECTOR.
 - E. SHOWN ON CHANNELIZING ISLANDS
 - i. PRISMATIC CURB REFLECTOR @ 10' C-C. TO BE PAID FOR AS PRISMATIC CURB REFLECTOR.

PAVEMENT MARKING AND SIGNING LEGEND



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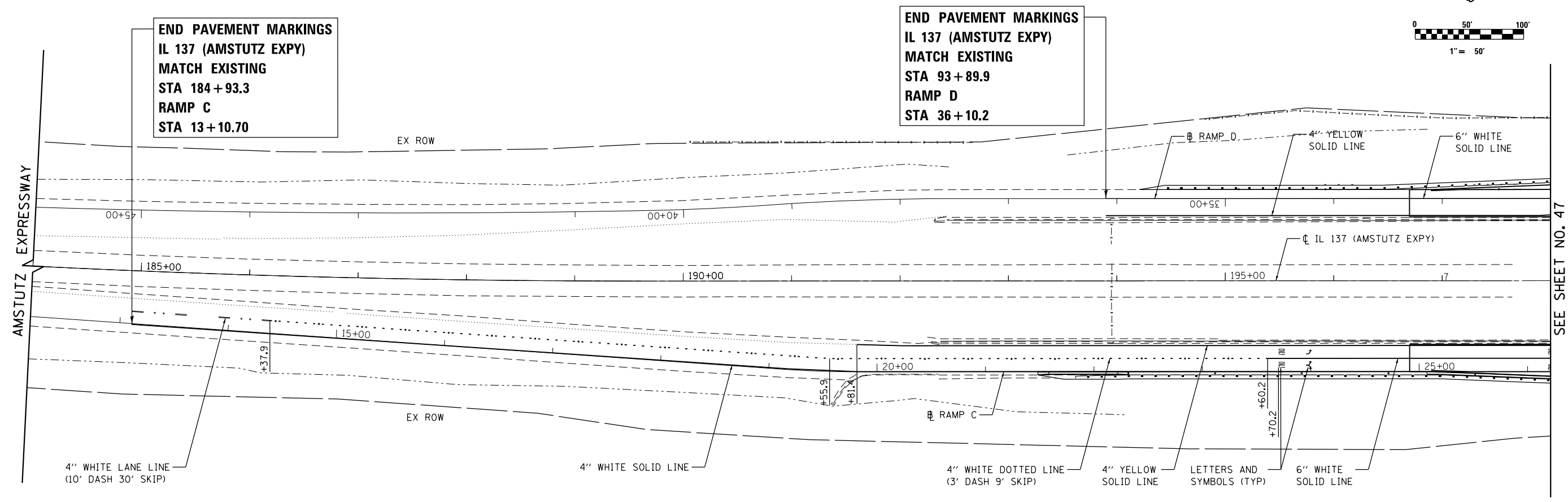
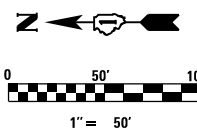
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PLOT SCALE = 1"=50'	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 8+74.0 TO STA. 26+66.7

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	47
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**END PAVEMENT MARKINGS
IL 137 (AMSTUTZ EXPY)
MATCH EXISTING
STA 184 + 93.3
RAMP C
STA 13 + 10.70**

**END PAVEMENT MARKINGS
IL 137 (AMSTUTZ EXPY)
MATCH EXISTING
STA 93 + 89.9
RAMP D
STA 36 + 10.2**

SEE SHEET NO. 47
MATCH LINE STA 198+00

PAVEMENT MARKING AND SIGNING LEGEND

- LANE LINE (10' DASH 30' SKIP)
- SOLID LINE
- DOUBLE YELLOW LINE, 11" C-C
- CHANNELIZING LINES
- DOTTED LINES
- STOP LINE
- PAVEMENT MARKING LETTERS AND SYMBOLS (YIELD LINE)
- PAVEMENT MARKING LETTERS AND SYMBOLS
- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (SEE NOTE 1)

1. MARKERS SHALL BE PLACED AS FOLLOWS:
 - A. SHOWN ADJACENT TO PAVEMENT MARKING
 - i. ONE-WAY CRYSTAL MARKER (W/O) @ 40' C-C
 - ii. PLACED PER DISTRICT 1 DETAIL TC-11
 - B. SHOWN ADJACENT TO GUARDRAIL
 - i. TYPE A REFLECTOR MARKER @ 80' C-C
 - ii. PLACED PER IDOT HIGHWAY STANDARD 635006-03 & 635011-02
 - C. SHOWN ADJACENT TO CONCRETE BARRIER
 - i. TYPE B REFLECTOR MARKER PLACED ON FACE OF WALL
 - ii. TYPE C REFLECTOR MARKER PLACED ON TOP OF WALL
 - iii. SPACED @ 80' C-C
 - iv. PLACED PER IDOT HIGHWAY STANDARD 635011-02

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DDN\CADD Sheets\060819g-shr-PMK02.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=50'	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

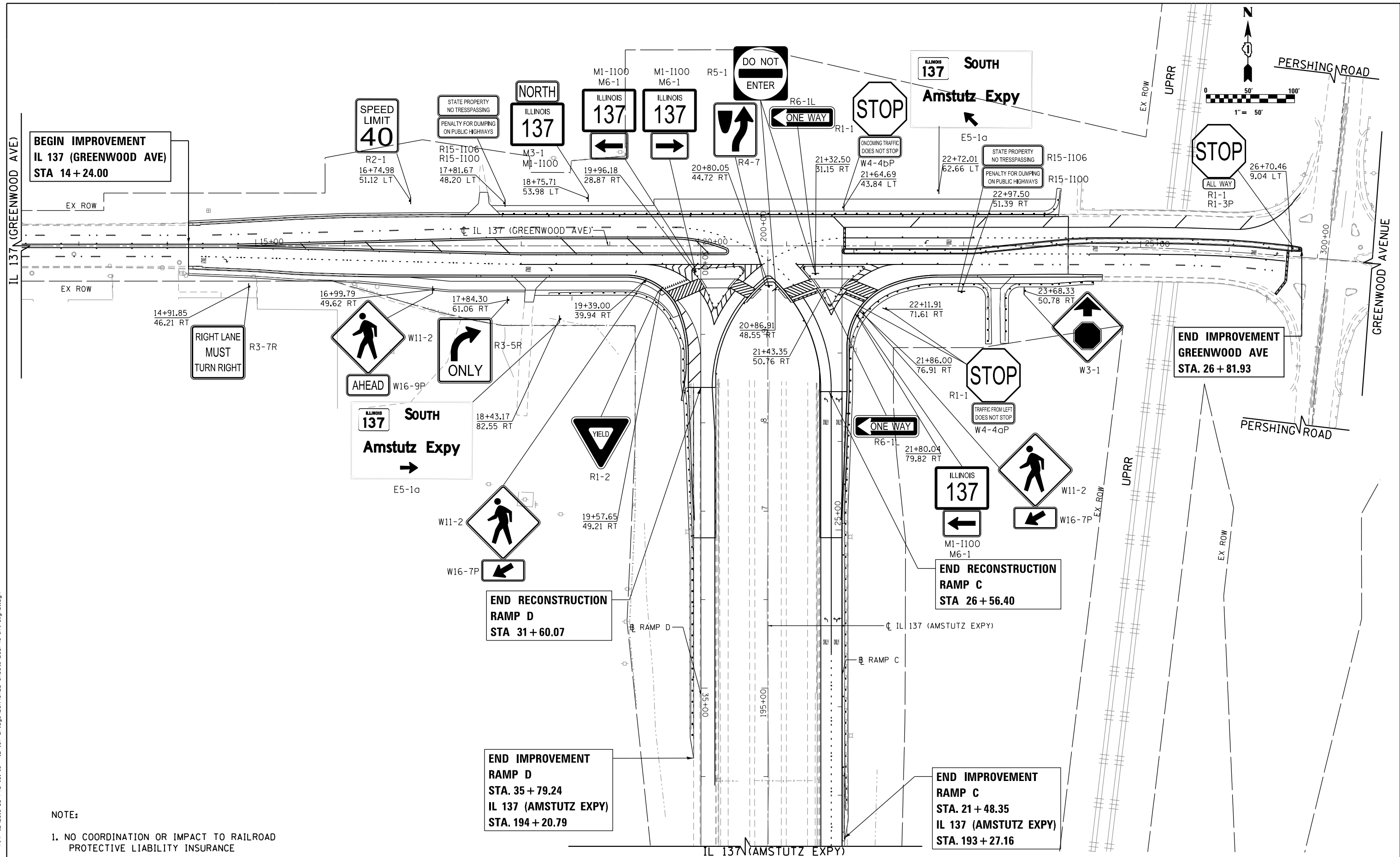
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 184+00 TO STA. 198+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	48
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\P-12\2513-00 P1B 161-13 - IL 137 Bridge\DDGN\CADD Sheets\068996.sht - Sign01.dgn



NOTE:

1. NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=50'	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	49
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOCATION					SIGN PANEL						SIGN SUPPORT			72800100	72700100	73100100		
ROUTE DIRECTION	STATION EXISTING	STATION PROPOSED	OFFSET	L/R	SIGN NO.	DESCRIPTION	SHAPE	WIDTH (IN.)	HEIGHT (IN.)	AREA (S.F.)	SIGN PANEL TYPE 1 (SQ FT)	RELOCATE S.P. TY 3 (SQ FT)	LENGTH (L.F.)	NO. POSTS	CENTER - CENTER POSTS (IN)	TELESCOPING STEEL SIGN SUPPORT (FT)	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY (POUNDS)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
OPR EB		14+91.9	46.2	R	R3-7R	RIGHT LANE MUST TURN RIGHT	RECTANGLE	36	36	9.0	9.0		14.0	1		14.0		1
OPR WB		16+75.0	51.1	L	R2-1	SPEED LIMIT 40	RECTANGLE	24	30	5.0	5.0		13.5	1		13.5		1
OPR EB		16+99.8	49.6	R	W11-2	PEDESTRIAN CROSSING	DIAMOND	36	36	9.0	9.0		15.0	1		15.0		1
OPR EB		16+99.8	49.6	R	W16-9P	AHEAD PLAQUE	RECTANGLE	24	12	2.0	2.0							
OPR WB		17+81.7	48.2	L	R15-I106	STATE PROPERTY NO TRESSPASSING	RECTANGLE	24	18	3.0	3.0		14.0	1		14.0		1
OPR WB		17+81.7	48.2	L	R15-I100	PENALTY FOR DUMPING ON PUBLIC HIGHWAYS	RECTANGLE	24	18	3.0	3.0							
OPR EB		17+84.3	61.1	R	R3-5R	RIGHT TURN ONLY	RECTANGLE	30	36	7.5	7.5		14.0	1		14.0		1
OPR EB	18+42.3	18+43.2	82.6	R	E5-1a	ENTRANCE DIRECTION SIGN	RECTANGLE	78	60	32.5		32.5	16.0	2	46.8		278.7	
OPR WB		18+75.7	54.0	L	M3-1	NORTH	RECTANGLE	24	12	2.0	2.0		14.0	1		14.0		1
OPR WB		18+75.7	54.0	L	M1-I100	STATE ROUTE (3 DIGITS) IL 173	RECTANGLE	30	24	5.0	5.0							
OPR EB		19+39.0	39.9	R	W11-2	PEDESTRIAN CROSSING	DIAMOND	36	36	9.0	9.0		15.0	1		15.0		1
OPR EB		19+39.0	39.9	R	W16-7P	DIAGONAL ARROW	RECTANGLE	24	12	2.0	2.0							
OPR EB		19+57.7	49.2	R	R1-2	YIELD	TRIANGLE	48		6.9	6.9		14.5	1		14.5		1
OPR EB		19+96.2	28.9	R	M1-I100	STATE ROUTE (3 DIGITS) IL 173	RECTANGLE	30	24	5.0	5.0		14.3	1		14.3		1
OPR EB		19+96.2	28.9	R	M1-I100	STATE ROUTE (3 DIGITS) IL 173	RECTANGLE	30	24	5.0	5.0							
OPR EB		19+96.2	28.9	R	M6-1	LARGE ARROW (LEFT)	RECTANGLE	21	15	2.2	2.2							
OPR EB		19+96.2	28.9	R	M6-1	LARGE ARROW (RIGHT)	RECTANGLE	21	15	2.2	2.2							
OPR EB		20+80.1	44.7	R	R4-7	KEEP RIGHT	RECTANGLE	24	30	5.0	5.0		13.5	1		13.5		1
OPR EB		20+86.9	48.6	R	R5-1	DO NOT ENTER	RECTANGLE	36	36	9.0	9.0		14.0	1		14.0		1
OPR EB		21+32.5	31.2	R	R5-1	DO NOT ENTER	RECTANGLE	36	36	9.0	9.0		15.5	1		15.5		1
OPR EB		21+32.5	31.2	R	R6-1	ONE WAY (LEFT)	RECTANGLE	54	18	6.8	6.8							
OPR EB		21+43.4	50.8	R	R6-1	ONE WAY (LEFT)	RECTANGLE	54	18	6.8	6.8		16.5	1		16.5		1
OPR EB		21+43.4	50.8	R	R1-1	STOP	OCTAGON	36	36	9.0	9.0							
OPR EB		21+43.4	50.8	R	W4-4aP	TRAFFIC FROM LEFT DOES NOT STOP	RECTANGLE	24	12	2.0	2.0							
OPR WB		21+64.7	43.8	L	R1-1	STOP	OCTAGON	36	36	9.0	9.0		15.0	1		15.0		1
OPR WB		21+64.7	43.8	L	W4-4bP	ONCOMING TRAFFIC DOES NOT STOP	RECTANGLE	24	12	2.0	2.0							
OPR EB		21+80.0	79.8	R	M1-I100	STATE ROUTE (3 DIGITS) IL 173	RECTANGLE	30	24	5.0	5.0		14.3	1		14.3		1
OPR EB		21+80.0	79.8	R	M6-1	LARGE ARROW (LEFT)	RECTANGLE	21	15	2.2	2.2							
OPR EB		21+86.0	76.9	R	W11-2	PEDESTRIAN CROSSING	DIAMOND	30	30	6.3	6.3		14.5	1		14.5		1
OPR EB		21+86.0	76.9	R	W16-7P	DIAGONAL ARROW	RECTANGLE	24	12	2.0	2.0							
OPR EB		22+11.9	71.6	R	R1-1	STOP	OCTAGON	30	30	6.3	6.3		14.5	1		14.5		1
OPR EB		22+11.9	71.6	R	W4-4aP	TRAFFIC FROM LEFT DOES NOT STOP	RECTANGLE	24	12	2.0	2.0							
OPR WB	22+71.1	22+72.0	62.7	L	E5-1a	ENTRANCE DIRECTION SIGN	RECTANGLE	78	60	32.5		32.5	16.0	2	46.8		278.7	
OPR EB		22+97.5	51.4	R	R15-I106	STATE PROPERTY NO TRESSPASSING	RECTANGLE	24	18	3.0	3.0		14.0	1		14.0		1
OPR EB		22+97.5	51.4	R	R15-I100	PENALTY FOR DUMPING ON PUBLIC HIGHWAYS	RECTANGLE	24	18	3.0	3.0							
OPR EB		23+68.3	50.8	R	W3-1	STOP AHEAD	DIAMOND	30	30	6.3	6.3		13.5	1		13.5		1
OPR WB		26+70.5	9.0	L	R1-1	STOP	OCTAGON	36	36	9.0	9.0		14.5	1		14.5		1
OPR WB		26+70.5	9.0	L	R1-3P	ALL-WAY	RECTANGLE	18	6	0.8	0.8							

FILE NAME = P:\P-12\2513-00 P/B 161-13 - IL 137 Bridge\DOGN\CADD Sheets\060819\sgn-sht-sign02.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
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PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

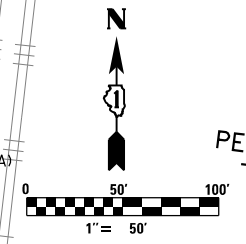
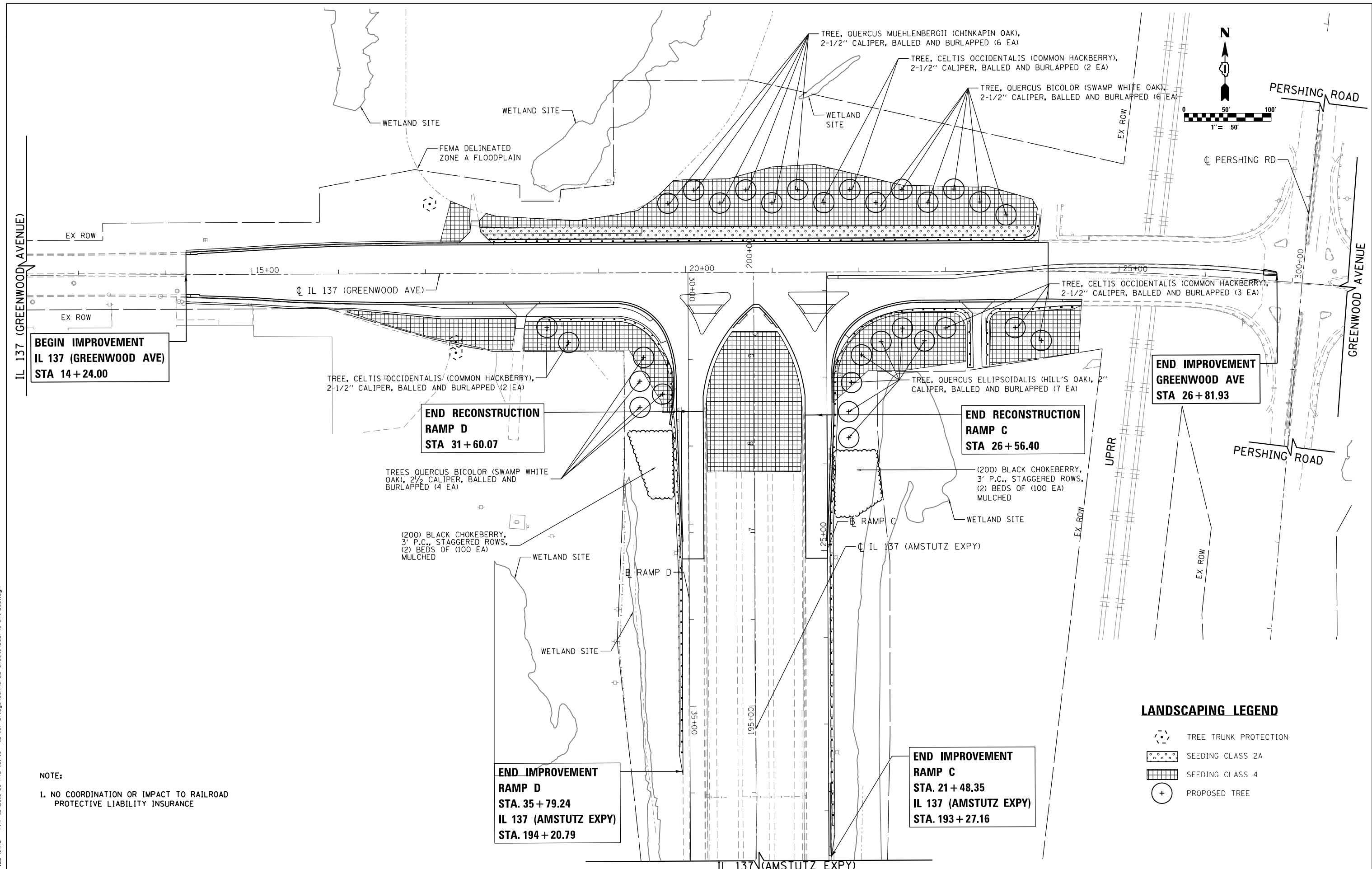
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING SCHEDULE AND
GROUND MOUNT SIGN STRUCTURE DETAILS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	50
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\P-12\2513-00 P1B 161-13 - IL 137 Bridge\DOGN\CADD Sheets\068896g-shr-L501.dgn



**BEGIN IMPROVEMENT
IL 137 (GREENWOOD AVE)
STA 14 + 24.00**

**END RECONSTRUCTION
RAMP D
STA 31 + 60.07**

**END RECONSTRUCTION
RAMP C
STA 26 + 56.40**

**END IMPROVEMENT
GREENWOOD AVE
STA 26 + 81.93**

**END IMPROVEMENT
RAMP D
STA. 35 + 79.24
IL 137 (AMSTUTZ EXPY)
STA. 194 + 20.79**

**END IMPROVEMENT
RAMP C
STA. 21 + 48.35
IL 137 (AMSTUTZ EXPY)
STA. 193 + 27.16**

NOTE:
1. NO COORDINATION OR IMPACT TO RAILROAD PROTECTIVE LIABILITY INSURANCE

LANDSCAPING LEGEND

- TREE TRUNK PROTECTION
- SEEDING CLASS 2A
- SEEDING CLASS 4
- PROPOSED TREE

USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE = 1"=50'	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	51
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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BORING LOG B-01

WEI Job No.: 393-09-01

Client: **Infrastructure Engineering, Inc.**
Project: **IL-137, IDOT D-91-640-11**
Location: **Waukegan, IL**

Datum: NGVD
Elevation: 606.55 ft
North: 2083250.31 ft
East: 1120982.62 ft
Station: 17+11.39
Offset: 62.88 L

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	605.6	12-inch thick, black LOAM --TOPSOIL--															
	605.1	Hard, brown SILTY CLAY LOAM, trace gravel --FILL--	1		4		NP	31									
		Loose to dense, black and brown, SILTY LOAM, trace gravel, glass, cinders (little moisture) --FILL--	2		8 8 10 14		NP	32									
			3		2 17 22 22		NP	23									
	599.9	Medium dense, brown GRAVELLY SAND, --FILL--	4		6 8 7 5		NP	5									
	599.9	Loose to medium dense, black SAND to SANDY LOAM, trace to little gravel, glass, cinders, debris --FILL--	5		3 5 2 1		NP	25									
			6		3 4 7 7		NP	16									
			7		5 7 7 7		NP	35									
	591.6	Boring terminated at 15.00 ft	15														

WANGENG INC 3830901 GRU WANGENG.GDT 6/5/12

GENERAL NOTES			
Begin Drilling	05-17-2012	Complete Drilling	05-17-2012
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME ATV
Driller	Groff	Logger	C. Marin
Checked by	CLM	Drilling Method	3.25" HSA

WATER LEVEL DATA	
While Drilling	DRY
At Completion of Drilling	DRY
Time After Drilling	NA
Depth to Water	NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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BORING LOG B-02

WEI Job No.: 393-09-01

Client: **Infrastructure Engineering, Inc.**
Project: **IL-137, IDOT D-91-640-11**
Location: **Waukegan, IL**

Datum: NGVD
Elevation: 607.53 ft
North: 2083251.06 ft
East: 1121021.54 ft
Station: 17+50.37
Offset: 63.47 L

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	607.0	6-inch thick, black LOAM --TOPSOIL--															
		Very loose to loose, black SILT, trace gravel and cinders --FILL--	1		6 4 2 2		NP	39									
		--%Gravel=0.1-- --%Sand=15.6-- --%Silt=81.8-- --%Clay=2.6-- --A-4 (0)--	2		4 2 1 2		NP	38									
	601.8	Loose, brown GRAVELLY SAND, trace cinders and debris --FILL--	3		2 4 4 3		NP	8									
	600.2	Very loose, black SILTY LOAM, trace gravel and cinders --FILL--	4		3 2 2 2		NP	26									
	596.0	Very loose to medium dense, black SANDY LOAM, little gravel, cinders and debris --FILL--	5		1 1 1 2		NP	43									
			6		3 5 7 8		NP	26									
			7		10 6 6 7		NP	42									
	592.5	Boring terminated at 15.00 ft	15														

WANGENG INC 3830901 GRU WANGENG.GDT 6/5/12

GENERAL NOTES			
Begin Drilling	05-17-2012	Complete Drilling	05-17-2012
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME ATV
Driller	Groff	Logger	C. Marin
Checked by	CLM	Drilling Method	3.25" HSA

WATER LEVEL DATA	
While Drilling	DRY
At Completion of Drilling	DRY
Time After Drilling	NA
Depth to Water	NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\60996-sht-bor-logs.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE =	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NTS SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	52
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



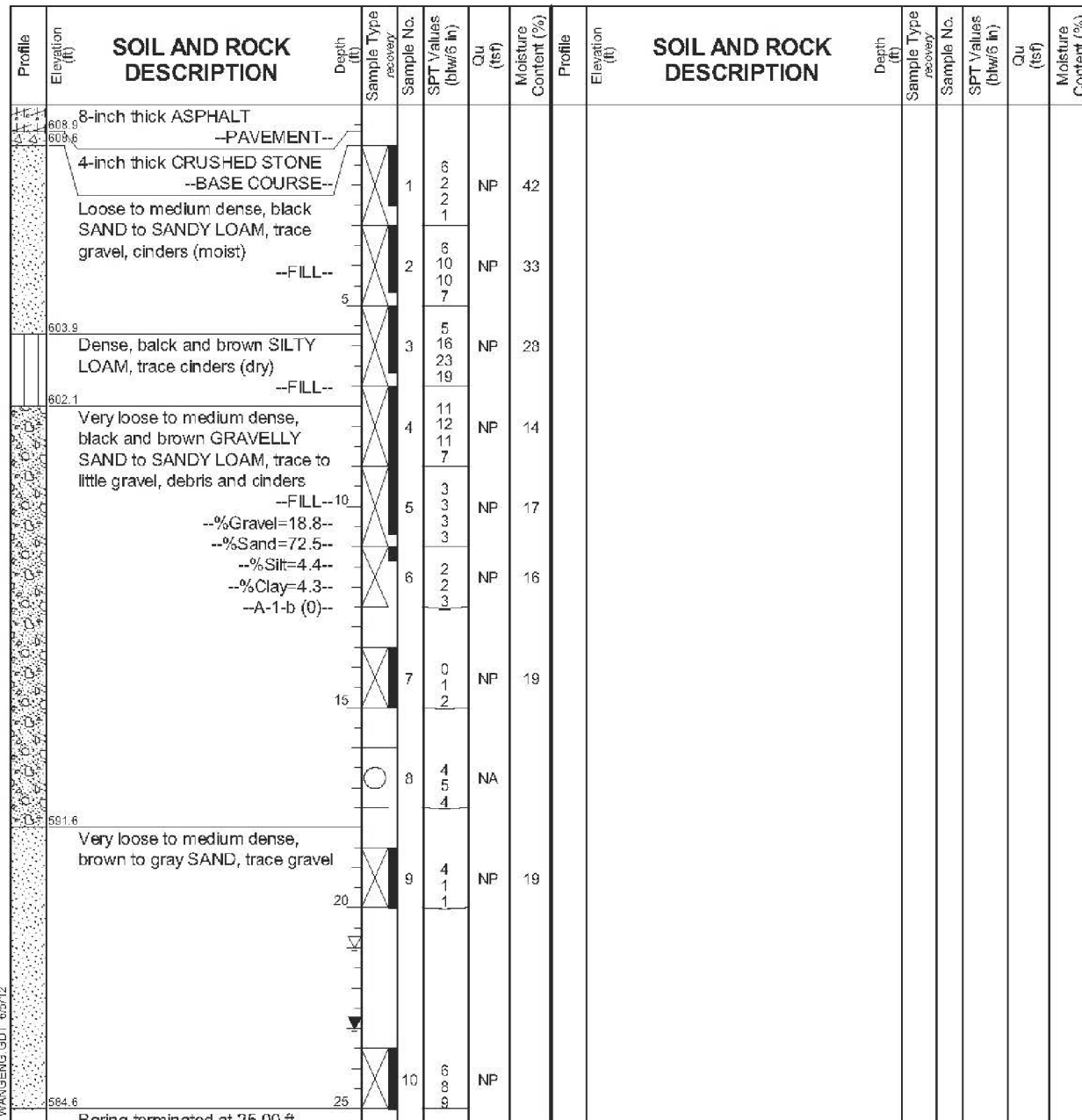
wangeng@wangeng.com
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Lombard, IL
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Fax: 630 953-9938

BORING LOG B-03

WEI Job No.: 393-09-01

Client: **Infrastructure Engineering, Inc.**
Project: **IL-137, IDOT D-91-640-11**
Location: **Waukegan, IL**

Datum: NGVD
Elevation: 609.57 ft
North: 2083220.85 ft
East: 1121035.80 ft
Station: 17+64.45
Offset: 33.0 L



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-18-2012	Complete Drilling	05-18-2012	While Drilling	▽ 21.00 ft
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME ATV	At Completion of Drilling	▽ 23.00 ft
Driller	Groff	Logger	C. Marin	Time After Drilling	NA
Drilling Method	2.25" HSA	Checked by	CLM	Depth to Water	▽ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					



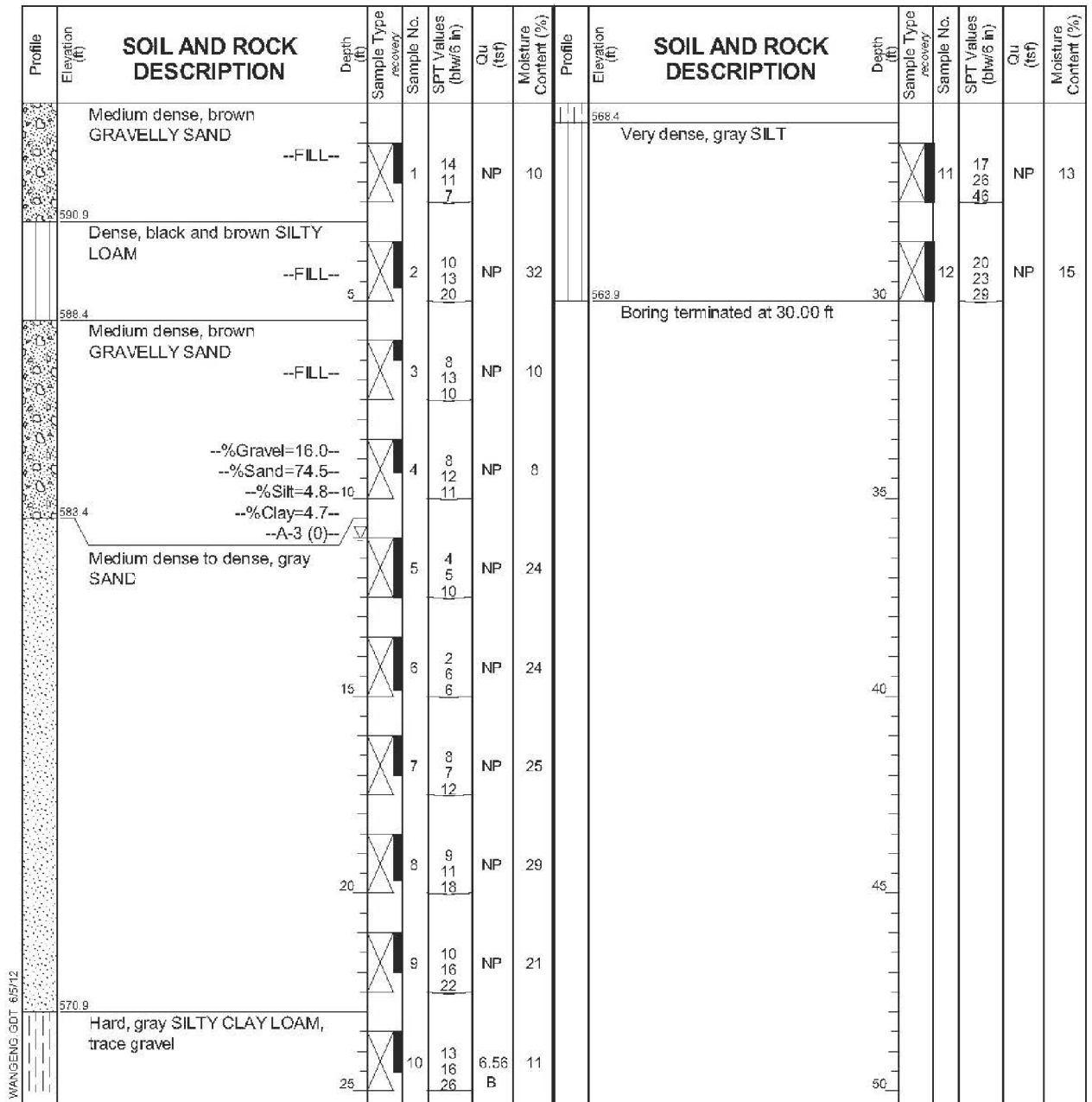
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Fax: 630 953-9938

BORING LOG B-04

WEI Job No.: 393-09-01

Client: **Infrastructure Engineering, Inc.**
Project: **IL-137, IDOT D-91-640-11**
Location: **Waukegan, IL**

Datum: NGVD
Elevation: 593.86 ft
North: 2083269.09 ft
East: 1121326.93 ft
Station: 20+55.77
Offset: 80.22 L



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-19-2012	Complete Drilling	05-19-2012	While Drilling	▽ 11.00 ft
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME TMR	At Completion of Drilling	▽ NA
Driller	Groff	Logger	K. Mohammed	Time After Drilling	NA
Drilling Method	3.25" HSA	Checked by	CLM	Depth to Water	▽ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE =	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NTS SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	53
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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BORING LOG B-05

WEI Job No.: 393-09-01

Client: Infrastructure Engineering, Inc.
Project: IL-137, IDOT D-91-640-11
Location: Waukegan, IL

Datum: NGVD
Elevation: 593.50 ft
North: 2083190.10 ft
East: 1121320.64 ft
Station: 20+49.16
Offset: 1.27 L

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
592.0	Dark brown GRAVELLY SAND --FILL--						567.5	Gray SILTY CLAY LOAM, trace gravel		9		NA	18
590.5	Medium dense, dark gray SILT, trace gravel --FILL--		1	2 14	NP	37							
589.8	SAND --FILL--		2	8 10 13	NP	29				10		NA	16
589.0	Medium dense, black SILTY LOAM --FILL--		5				563.5	Boring terminated at 30.00 ft	30				
584.8	Medium dense, brown and black SAND, little gravel --FILL--		3	15 12 10	NP	7							
	Loose to dense, gray SAND		4	3 4 4	NP	18							
	--%Gravel=0.9-- --%Sand=98.2-- --%Silt=0.4-- --%Clay=0.4-- --A-3 (0)--		5	3 5 7	NP	23							
			6	0 0 2	NP	19							
			7	3 8 12	NP	19							
			8	12 20 25	NP	24							

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-17-2012	Complete Drilling	05-17-2012	While Drilling	9.50 ft
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME ATV	At Completion of Drilling	5 CAVE
Driller	Groff	Logger	C. Marin	Time After Drilling	NA
Drilling Method	3.25" HSA	Checked by	CLM	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					



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BORING LOG B-06

WEI Job No.: 393-09-01

Client: Infrastructure Engineering, Inc.
Project: IL-137, IDOT D-91-640-11
Location: Waukegan, IL

Datum: NGVD
Elevation: 593.50 ft
North: 2083205.96 ft
East: 1121384.15 ft
Station: 21+12.73
Offset: 16.86 L

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
592.3	Brown GRAVELLY SANDY LOAM --FILL--							Boring terminated at 25.00 ft					
590.5	Medium dense, dark gray SILTY LOAM --FILL--		1	5 7 12	NP	33							
	--%Gravel=1.3-- --%Sand=29.7-- --%Silt=65.5-- --%Clay=3.5-- --A-4 (0)--		2	5 50/2	NP	12							
587.3	Very dense, gray and black GRAVELLY SAND --FILL--		3	19 15 12	NP	12							
585.5	Medium dense, black SANDY LOAM, little gravel, cinders and glass --FILL--		4	9 6 5	NP	9							
	Very loose to medium dense, black and brown GRAVELLY SANDY LOAM --FILL--		5	2 1 1	NP	12							
580.5	Medium dense, gray SAND		6	2 6 7	NP	21							
569.5	Hard, gray SILTY CLAY LOAM, trace gravel		7	18 15 11	4.50 P	12							

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-18-2012	Complete Drilling	05-18-2012	While Drilling	12.50 ft
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME ATV	At Completion of Drilling	3 CAVE
Driller	Groff	Logger	C. Marin	Time After Drilling	NA
Drilling Method	2.25" HSA	Checked by	CLM	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\DE6096-sht-bor-logs.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE =	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NTS SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	54
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



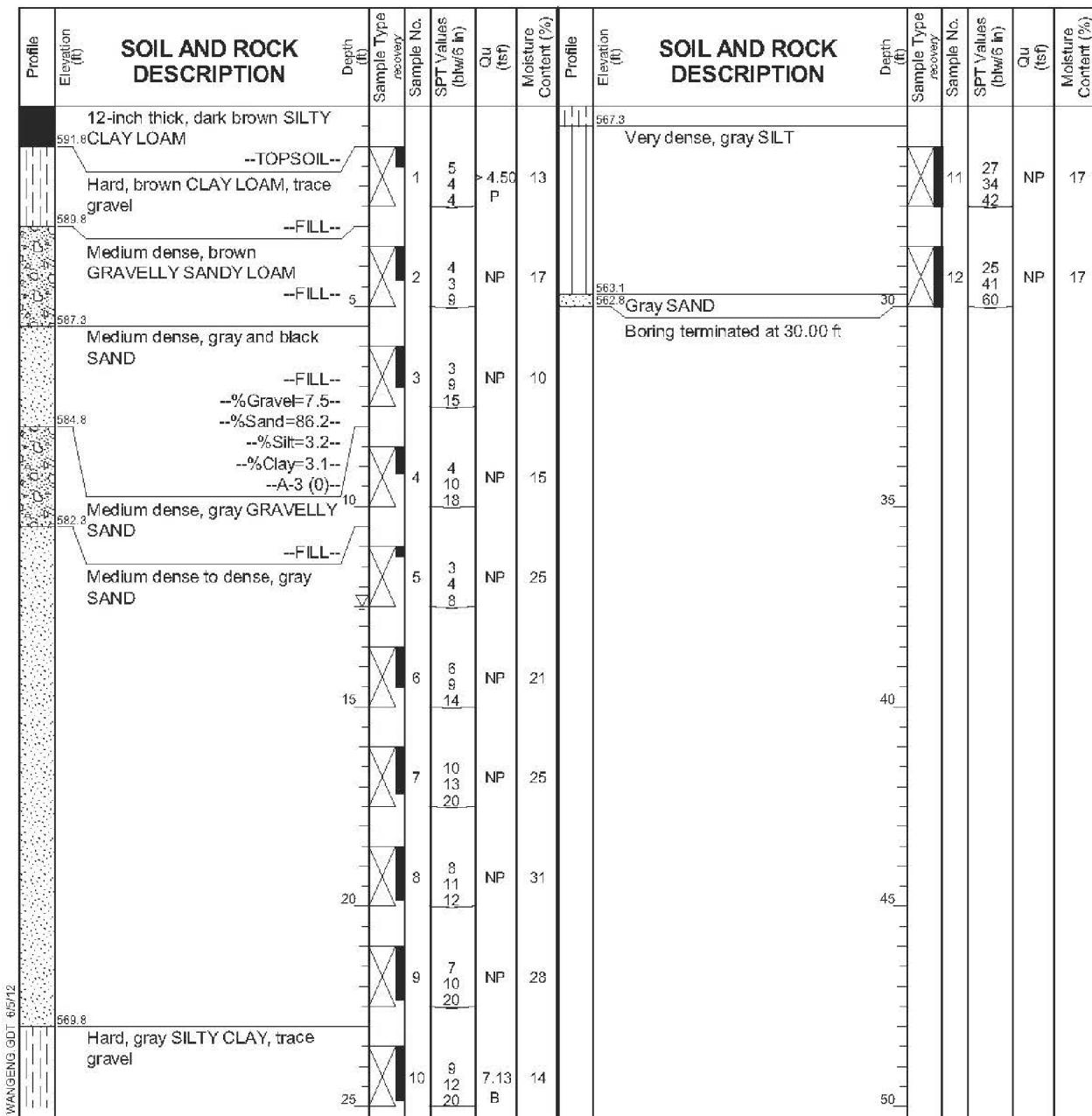
wangeng@wangeng.com
1145 N Main Street
Lombard, IL
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG B-07

WEI Job No.: 393-09-01

Client: Infrastructure Engineering, Inc.
Project: IL-137, IDOT D-91-640-11
Location: Waukegan, IL

Datum: NGVD
Elevation: 592.83 ft
North: 2083092.14 ft
East: 1121347.49 ft
Station: 20+75.60
Offset: 98.81 R



WANGENG INC 3830901 GPTU WANGENG.GDT 6/5/12

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-19-2012	Complete Drilling	05-19-2012	While Drilling	▽	12.50 ft	
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME TMR	At Completion of Drilling	▽	NA	
Driller	Groff	Logger	K. Mohammed	Checked by	CLM		
Drilling Method	3.25" HSA			Time After Drilling	NA		
				Depth to Water	▽	NA	

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



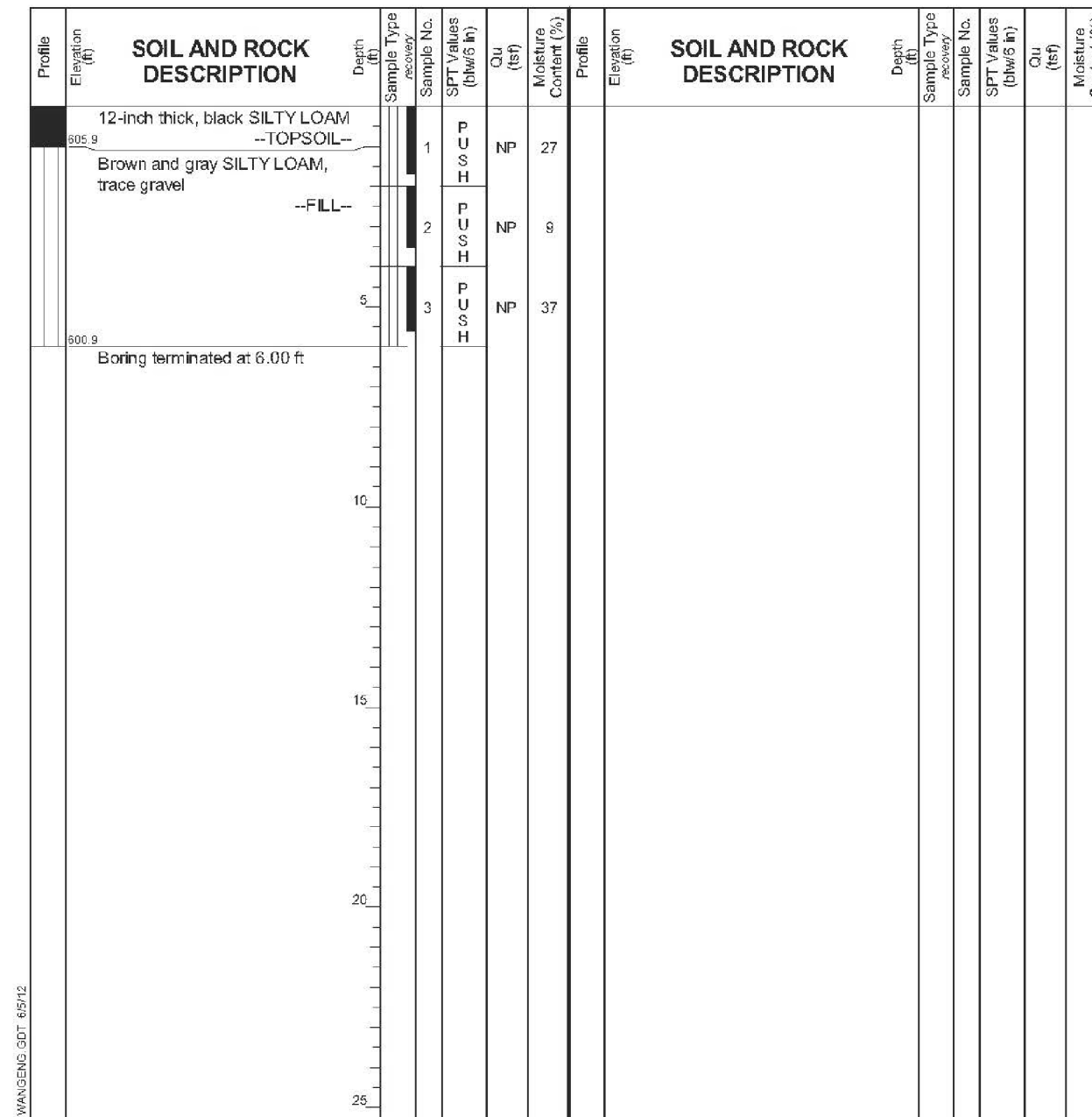
wangeng@wangeng.com
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Lombard, IL
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BORING LOG B-08

WEI Job No.: 393-09-01

Client: Infrastructure Engineering, Inc.
Project: IL-137, IDOT D-91-640-11
Location: Waukegan, IL

Datum: NGVD
Elevation: 606.86 ft
North: 2083129.21 ft
East: 1121054.93 ft
Station: 17+83.20
Offset: 58.52 R



WANGENG INC 3830901 GPTU WANGENG.GDT 6/5/12

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-18-2012	Complete Drilling	05-18-2012	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	@oprobe Jack Hammer	At Completion of Drilling	▽	DRY	
Driller	C&B	Logger	B. Wilson	Checked by	CLM		
Drilling Method	GP 2' Continuous			Time After Drilling	NA		
				Depth to Water	▽	NA	

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\60996-sht-bor-logs.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
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PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NTS SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	55
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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BORING LOG B-09

WEI Job No.: 393-09-01

Client: Infrastructure Engineering, Inc.
Project: IL-137, IDOT D-91-640-11
Location: Waukegan, IL

Datum: NGVD
Elevation: 611.43 ft
North: 2083157.59 ft
East: 1121159.03 ft
Station: 18+87.42
Offset: 30.58 R

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	610.8	8-inch thick ASPHALT													
	610.4	--PAVEMENT--													
		4-inch thick CRUSHED STONE													
		--BASE COURSE--													
		Dense, black SANDY LOAM, trace gravel, cinders and debris		1	5	NP	17								
		--FILL--													
		Dense to very dense, black and brown SILT, trace cinders and glass		2	15	NP	32								
		--FILL--													
		--%Gravel=0.07--													
		--%Sand=2.6--													
		--%Silt=93.3--													
		--%Clay=3.4--													
		--A-4 (0)--													
				3	19	NP	29								
				4	10	NP	26								
				5	13	NP	28								
				6	16	NP	29								
				7	10	NP	14								
				8	7	NP	14								
				9	10	NP	14								
				10	18	NP	29								
				11	18	NP	29								
				12	18	NP	29								
				13	10	NP	14								
				14	7	NP	14								
				15	10	NP	14								
				16	9	NP	14								
				17	9	NP	14								
				18	9	NP	14								
				19	9	NP	14								
				20	9	NP	14								
				21	9	NP	14								
				22	9	NP	14								
				23	9	NP	14								
				24	9	NP	14								
				25	9	NP	14								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-18-2012	Complete Drilling	05-18-2012	While Drilling	☑	DRY	
Drilling Contractor	Groff Testing Corporation	Drill Rig	CME ATV	At Completion of Drilling	☑	DRY	
Driller	Groff	Logger	C. Marin	Time After Drilling	NA		
Drilling Method	2.25" HSA	Checked by	CLM	Depth to Water	☑	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							



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1145 N Main Street
Lombard, IL
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Fax: 630 953-9938

BORING LOG B-10

WEI Job No.: 393-09-01

Client: Infrastructure Engineering, Inc.
Project: IL-137, IDOT D-91-640-11
Location: Waukegan, IL

Datum: NGVD
Elevation: 604.58 ft
North: 2083117.20 ft
East: 1121186.17 ft
Station: 19+14.38
Offset: 71.08 R

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	603.9	8-inch thick, dark brown SILTY LOAM													
		--TOPSOIL--													
		Brown SILTY LOAM, trace gravel		1	PUSH	NP	13								
		--FILL--													
		Hard, brown SILTY CLAY LOAM to SILTY LOAM, trace gravel		2	PUSH	P	11								
		--FILL--													
		Black SILTY LOAM, trace gravel		3	PUSH	P	12								
		--FILL--													
		Hard, brown SILTY CLAY LOAM, trace gravel		4	PUSH	NP	23								
		--FILL--													
		Brown and gray SILTY LOAM, trace gravel and cinders		5	PUSH	NP	35								
		--FILL--													
		Gray SANDY LOAM (moist)		6	PUSH	NP	37								
		--FILL--													
		Black and brown SILTY LOAM, trace gravel, glass, and cinders		7	PUSH	NP	37								
		--FILL--													
		Boring terminated at 12.00 ft													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-18-2012	Complete Drilling	05-18-2012	While Drilling	☑	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	Geoprobe Jack Hammer	At Completion of Drilling	☑	DRY	
Driller	C&B	Logger	B. Wilson	Time After Drilling	NA		
Drilling Method	GP 2' Continuous	Checked by	CLM	Depth to Water	☑	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NTS SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	56
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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BORING LOG B-11

WEI Job No.: 393-09-01

Client: **Infrastructure Engineering, Inc.**
 Project: **IL-137, IDOT D-91-640-11**
 Location: **Waukegan, IL**

Datum: NGVD
 Elevation: 603.64 ft
 North: 2083120.10 ft
 East: 1121147.70 ft
 Station: 18+75.92
 Offset: 69.02 R

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	602.8	10-inch thick, black SILTY LOAM --TOPSOIL--			1	PUSH	NP	24									
	601.1	Brown, SILTY LOAM, trace gravel --FILL--			2	PUSH	> 4.50	11									
		Hard, brown SILTY CLAY LOAM, trace gravel --FILL--	5		3	PUSH	> 4.50	13									
	599.6	Gray SANDY LOAM (moist) --FILL--			4	PUSH	NP	36									
	594.6	Black SILTY LOAM, little gravel and debris --FILL--	10		5	PUSH	NP	33									
	593.6	Boring terminated at 10.00 ft															

WANGENG INC 353001 9PU WANGENG.GDT 6/5/12

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-18-2012	Complete Drilling	05-18-2012	While Drilling	∇	DRY	
Drilling Contractor	Wang Testing Services	Drill Operator	Geoprobe Jack Hammer	Completion of Drilling	∇	DRY	
Driller	C&B	Logger	B. Wilson	Time After Drilling		NA	
Drilling Method	GP 2' Continuous	Checked by	CLM	Depth to Water	∇	NA	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DON\CADD Sheets\60996-sht-bor-logs.dgn

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PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS

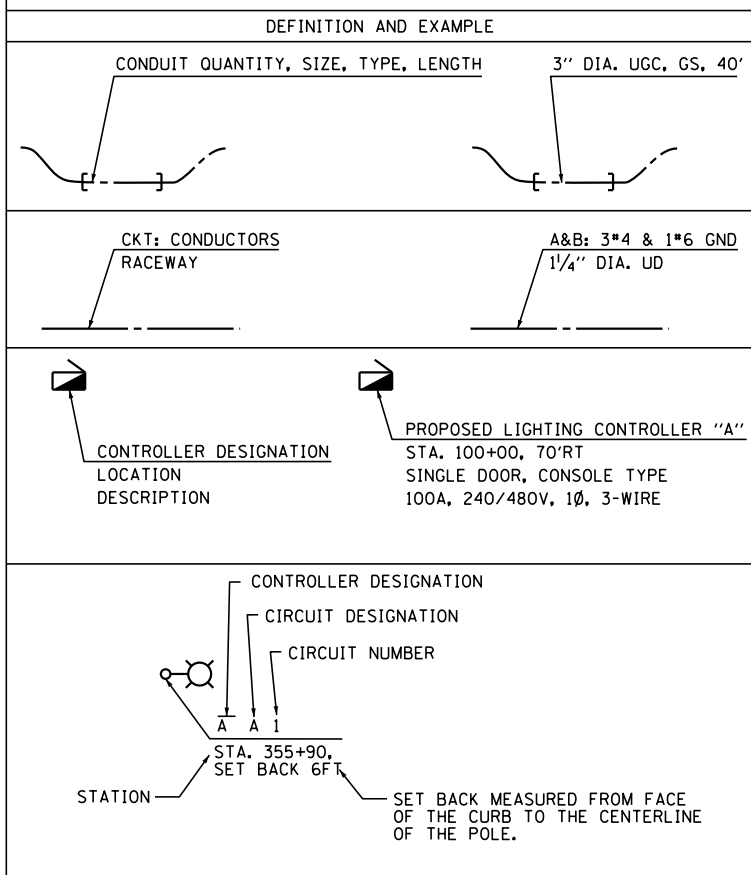
SCALE: NTS SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	57
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING PEDESTAL MOUNTED LIGHTING CONTROLLER, TO BE REMOVED
	EXISTING HEAVY DUTY HANDHOLE
	EXISTING LIGHT POLE TO BE REMOVED
	EXISTING 45' POLE WITH 15' MAST ARM ON CONCRETE FOUNDATION WITH 400W, TYPE M-C-III LUMINAIRE TO REMAIN
	EXISTING TEMPORARY POLE
	TEMPORARY LIGHT POLE, WOOD, 60FT, CLASS 4 WITH 15FT MAST ARM AND 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE 47.5FT MOUNTING HEIGHT
	EXISTING TEMPORARY POLE TO BE REMOVED
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING ELECTRIC UTILITY POLE
	EXISTING JUNCTION BOX TO BE REMOVED
	EXISTING CONDUIT OR UNDERGROUND UNIT DUCT TO BE REMOVED OR ABANDONED
	EXISTING AERIAL LIGHTING CABLE WITH MESSENGER WIRE
	EXISTING AERIAL LIGHTING CABLE TO BE REMOVED
	EXISTING UNDERGROUND CONDUIT
	PROPOSED LIGHTING CONTROLLER, SIZE AND TYPE AS NOTED
	PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY TRANSFORMER BASE, 47.5FT M.H., 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE MOUNTED ON 15FT MAST ARM U.N.O. WITH 6 AMP FUSE
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED ELECTRIC UTILITY POLE
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN EXPOSED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN CONCEALED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED AERIAL LIGHTING CABLE WITH MESSENGER WIRE
	ELECTRIC GROUND ROD
	TEMPORARY WOOD POLE, 60FT., CLASS 4

CALL-OUT SAMPLE



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LTFM	LIQUID TIGHT FLEXIBLE METALLIC
LPS	LOW PRESSURE SODIUM
M	METER
MA	MAST ARM
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SS	STAINLESS STEEL
STA	STATION
XFMR	TRANSFORMER
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE

GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. CONTRACTOR SHALL COORDINATE WITH COMED FOR TEMPORARY AND PERMANENT SERVICE INSTALLATIONS. CONTACT KIMBERLY KANGAS, (847) 816-5497, OR BY EMAIL AT KIMBERLY.KANGAS@COMED.COM.

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E-1	LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS
E-2	SCHEDULE OF QUANTITIES
E-3	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS-STAGES 1A & 1B
E-4	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS-STAGE 2
E-5	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS-STAGE 3
E-6	PROPOSED LIGHTING PLAN
E-7	LIGHTING CONTROLLER "A" WIRING DIAGRAM
E-8	TEMPORARY LIGHTING CONTROLLER INSTALLATION DETAIL

IDOT DISTRICT 1 STANDARD DETAILS

BE-215	LIGHTING CONTROLLER, SINGLE DOOR
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-301	LIGHT POLE FOUNDATION, CONCRETE, 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE-400	ALUMINUM LIGHT POLE, 47'-6" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISCELLANEOUS ELECTRICAL DETAILS SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS

SCALE: NONE SHEET NO. 1 OF 8 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	58
				CONTRACT NO. 60P96
ILLINOIS FED. AID PROJECT				

ITEM	UNIT	QUANTITIES BY SHEET				TOTAL QUANTITY
		SHEET E-3	SHEET E-4	SHEET E-5	SHEET E-6	
ELECTRIC SERVICE INSTALLATION	EACH	-	1	-	-	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	-	1	-	-	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	-	84	95	112	291
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1150	1011	316	1100	3577
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) I/C NO. 1/0	FOOT	-	162	-	-	162
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	230	120	-	-	350
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	-	6	1	6	13
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	-	1	-	-	1
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	-	6	1	6	13
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	1	-	-	-	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	-	60	10	60	130
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	-	6	1	6	13
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	-	-	1	-	1
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3	2	3	-	8
REMOVAL OF POLE FOUNDATION	EACH	3	2	3	-	8
REMOVAL OF EXISTING ELECTRIC SERVICE INSTALLATION	EACH	1	-	-	-	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	-	1	-	-	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	-	-	960	-	960
REMOVE TEMPORARY WOOD POLE	EACH	-	1	1	-	2
REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	-	1	-	-	1
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	2	-	-	-	2
REMOVE EXISTING JUNCTION BOX	EACH	3	-	-	-	3
TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, 400 WATT	EACH	1	-	-	-	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	-	6	1	6	13
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12	-	-	-	12

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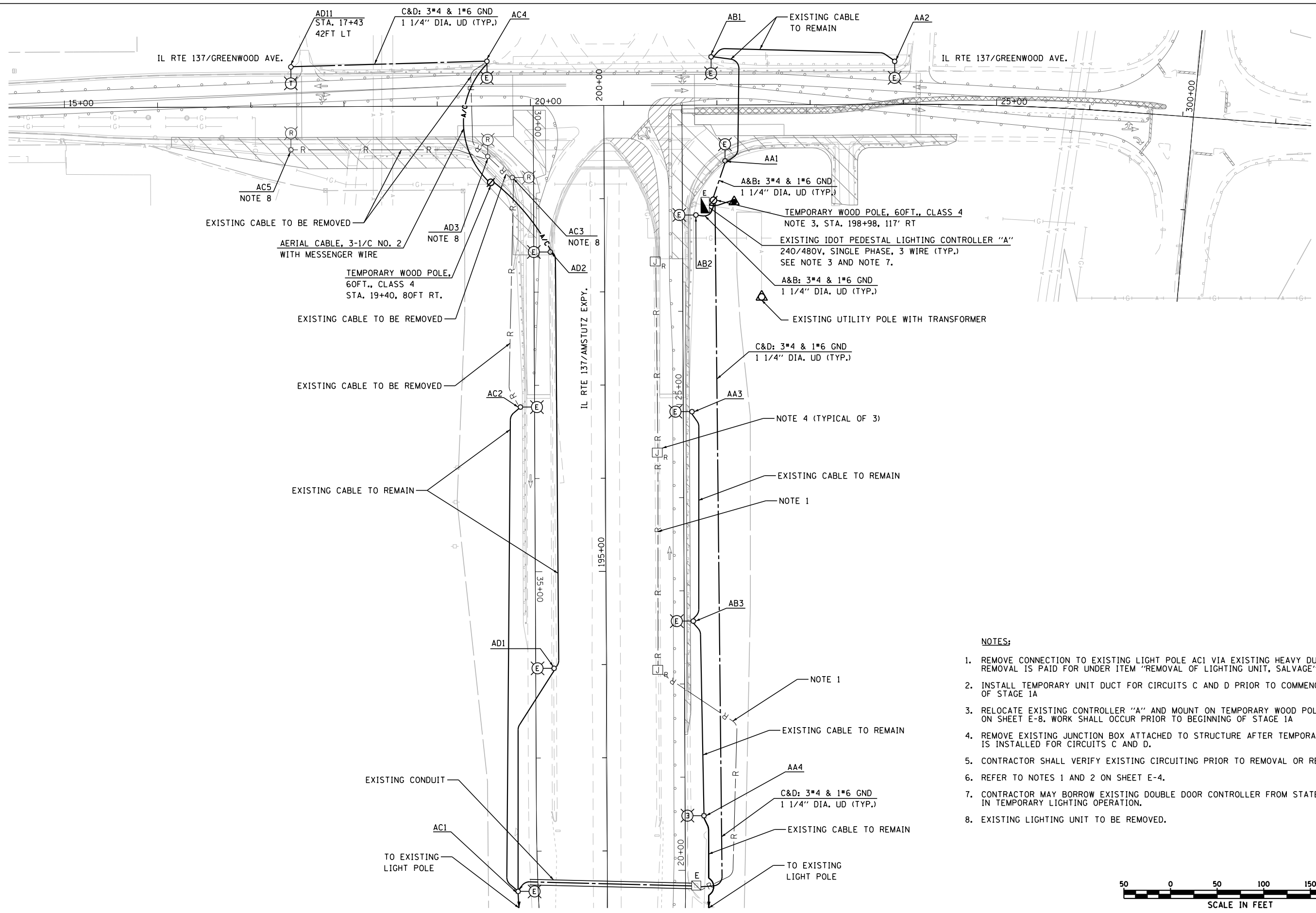
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
SCHEDULE OF QUANTITIES

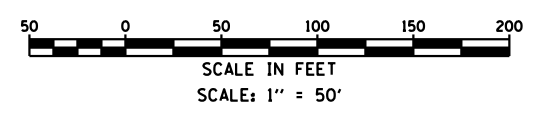
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352	8HB-BR	LAKE	121	59
CONTRACT NO. 60P96				
ILLINOIS FED. AID PROJECT				

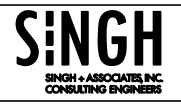


NOTES:

1. REMOVE CONNECTION TO EXISTING LIGHT POLE AC1 VIA EXISTING HEAVY DUTY HANDHOLE. REMOVAL IS PAID FOR UNDER ITEM "REMOVAL OF LIGHTING UNIT, SALVAGE".
2. INSTALL TEMPORARY UNIT DUCT FOR CIRCUITS C AND D PRIOR TO COMMENCEMENT OF STAGE 1A
3. RELOCATE EXISTING CONTROLLER "A" AND MOUNT ON TEMPORARY WOOD POLE PER DETAIL ON SHEET E-8. WORK SHALL OCCUR PRIOR TO BEGINNING OF STAGE 1A
4. REMOVE EXISTING JUNCTION BOX ATTACHED TO STRUCTURE AFTER TEMPORARY CABLING IS INSTALLED FOR CIRCUITS C AND D.
5. CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO REMOVAL OR RELOCATION WORK.
6. REFER TO NOTES 1 AND 2 ON SHEET E-4.
7. CONTRACTOR MAY BORROW EXISTING DOUBLE DOOR CONTROLLER FROM STATE FOR USE IN TEMPORARY LIGHTING OPERATION.
8. EXISTING LIGHTING UNIT TO BE REMOVED.



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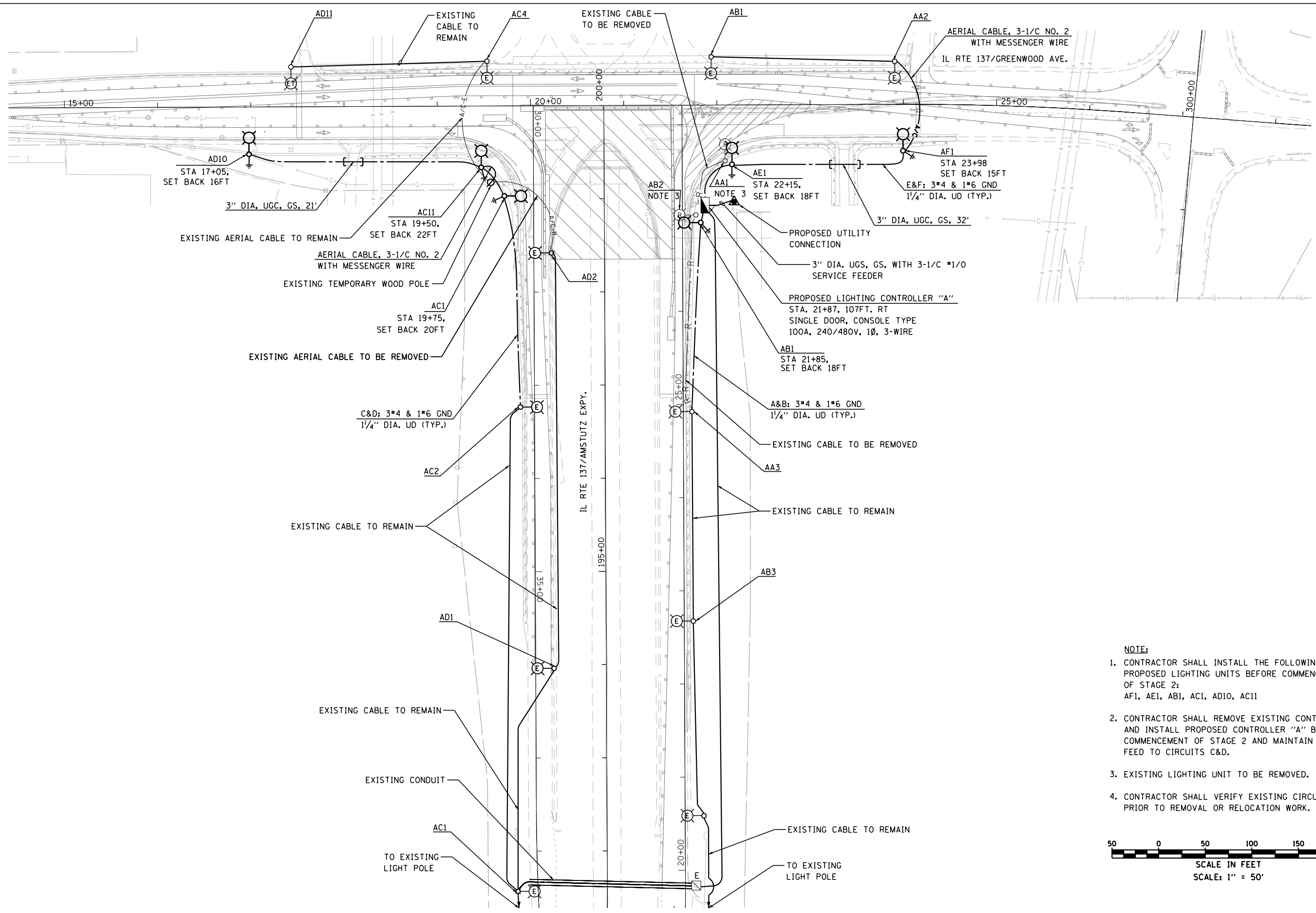
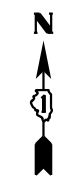
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

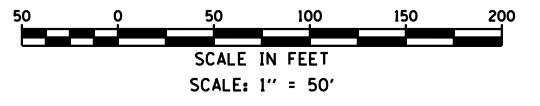
**IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
 EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
 STAGE 1A & 1B**

SCALE: 1"=50' SHEET NO. 3 OF 8 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	60
CONTRACT NO. 60P96				
ILLINOIS FED. AID PROJECT				



- NOTE:**
- CONTRACTOR SHALL INSTALL THE FOLLOWING PROPOSED LIGHTING UNITS BEFORE COMMENCEMENT OF STAGE 2:
AF1, AE1, AB1, AC1, AD10, AC11
 - CONTRACTOR SHALL REMOVE EXISTING CONTROLLER AND INSTALL PROPOSED CONTROLLER "A" BEFORE COMMENCEMENT OF STAGE 2 AND MAINTAIN EXISTING FEED TO CIRCUITS C&D.
 - EXISTING LIGHTING UNIT TO BE REMOVED.
 - CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO REMOVAL OR RELOCATION WORK.



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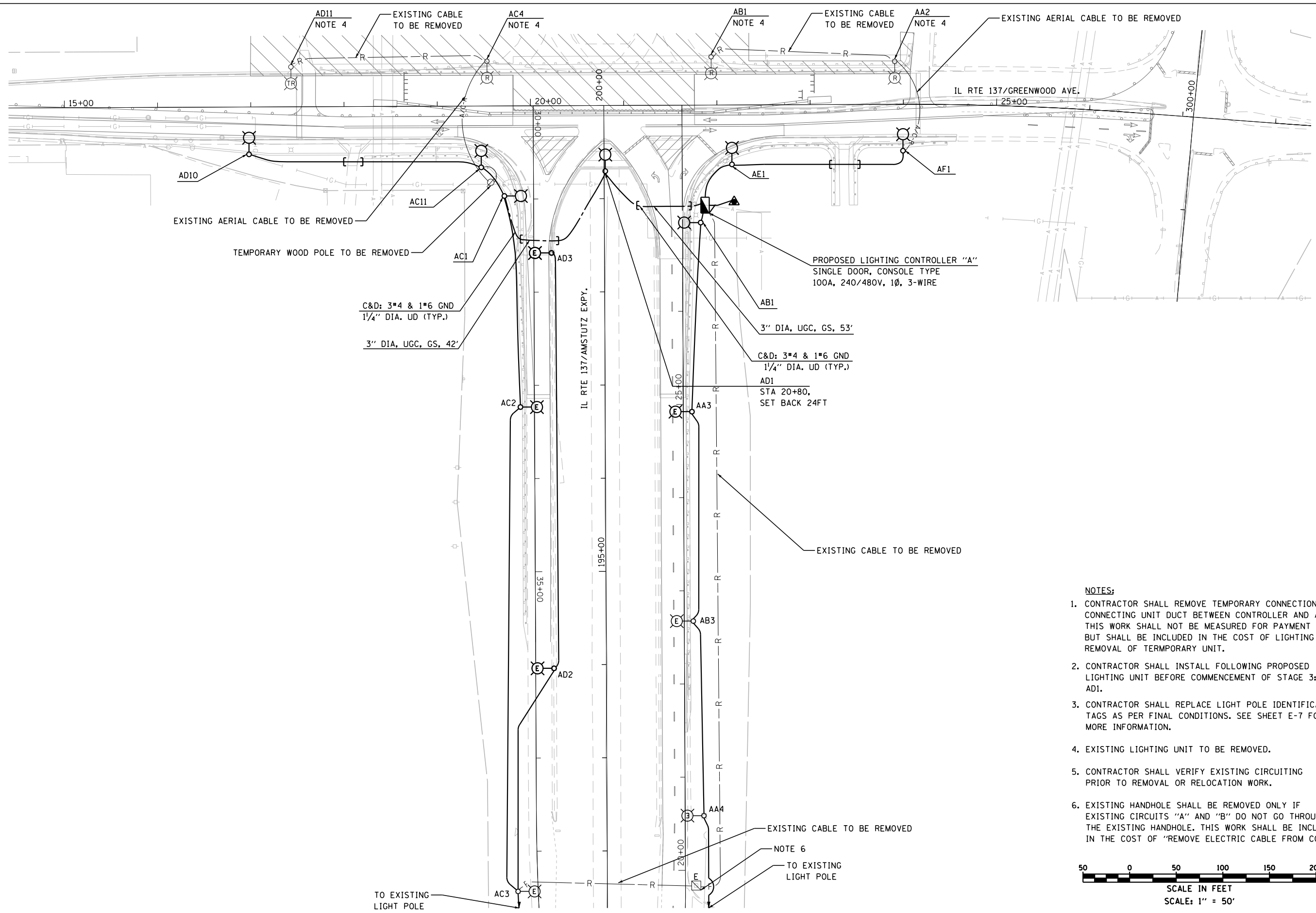
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
 EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
 STAGE 2**

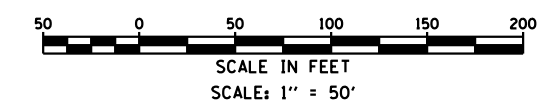
SCALE: 1"=50' SHEET NO. 4 OF 8 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	61
CONTRACT NO. 60P96				

ILLINOIS FED. AID PROJECT



- NOTES:**
1. CONTRACTOR SHALL REMOVE TEMPORARY CONNECTION BEFORE CONNECTING UNIT DUCT BETWEEN CONTROLLER AND AD1. THIS WORK SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF LIGHTING REMOVAL OF TEMPORARY UNIT.
 2. CONTRACTOR SHALL INSTALL FOLLOWING PROPOSED LIGHTING UNIT BEFORE COMMENCEMENT OF STAGE 3: AD1.
 3. CONTRACTOR SHALL REPLACE LIGHT POLE IDENTIFICATION TAGS AS PER FINAL CONDITIONS. SEE SHEET E-7 FOR MORE INFORMATION.
 4. EXISTING LIGHTING UNIT TO BE REMOVED.
 5. CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO REMOVAL OR RELOCATION WORK.
 6. EXISTING HANDHOLE SHALL BE REMOVED ONLY IF EXISTING CIRCUITS "A" AND "B" DO NOT GO THROUGH THE EXISTING HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE COST OF "REMOVE ELECTRIC CABLE FROM CONDUIT".



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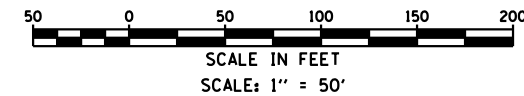
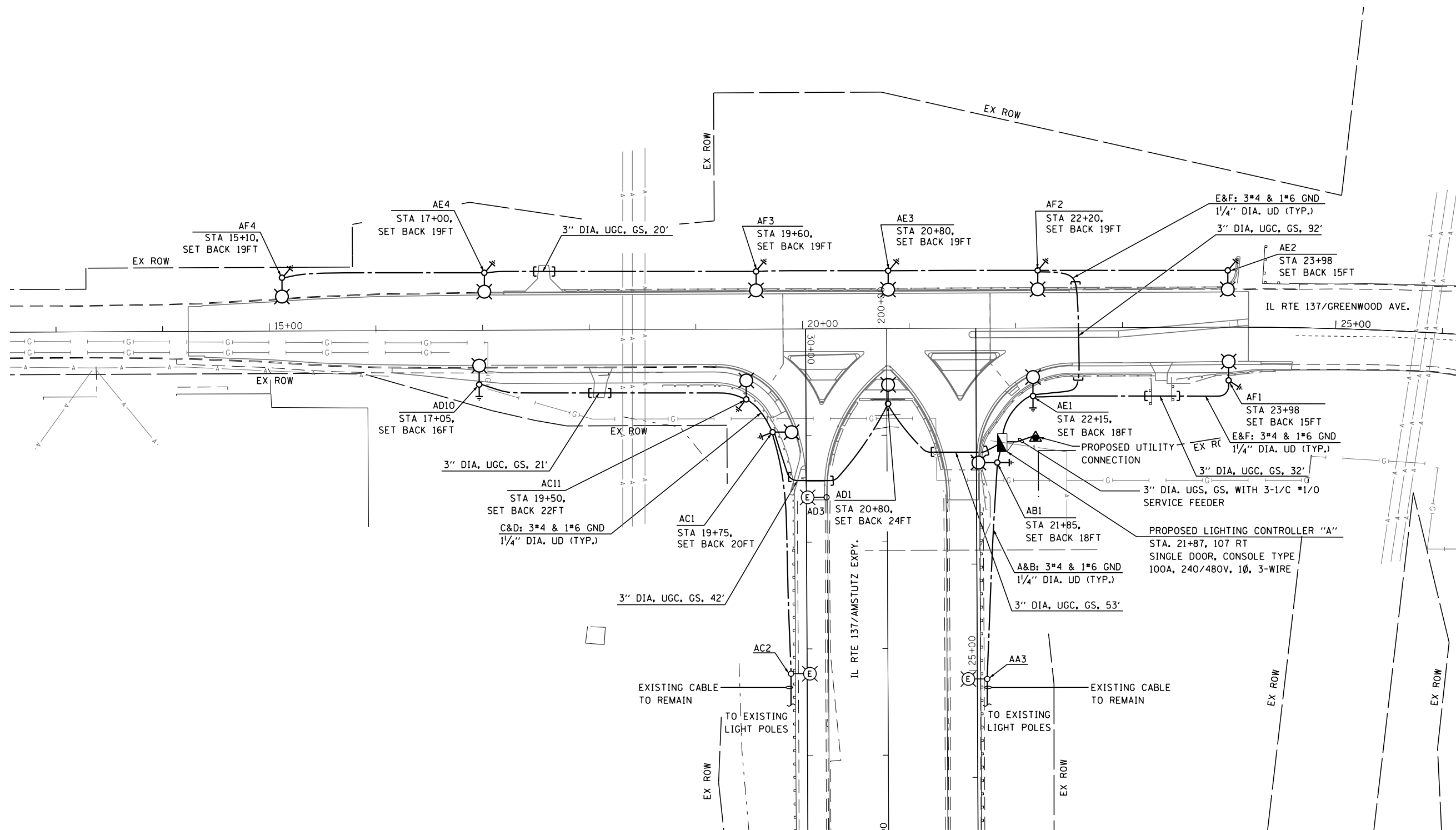
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
 EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
 STAGE 3**

SCALE: 1"=50' SHEET NO. 5 OF 8 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	62
CONTRACT NO. 60P96				

ILLINOIS FED. AID PROJECT



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	DRAWN - DS	REVISED -
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PLOT DATE = 13-MAR-2017 10:03	DATE - 01/31/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
PROPOSED LIGHTING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	63
CONTRACT NO. 60P96				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 6 OF 8 SHEETS STA. ----- TO STA. -----



LEGEND & SYMBOLS

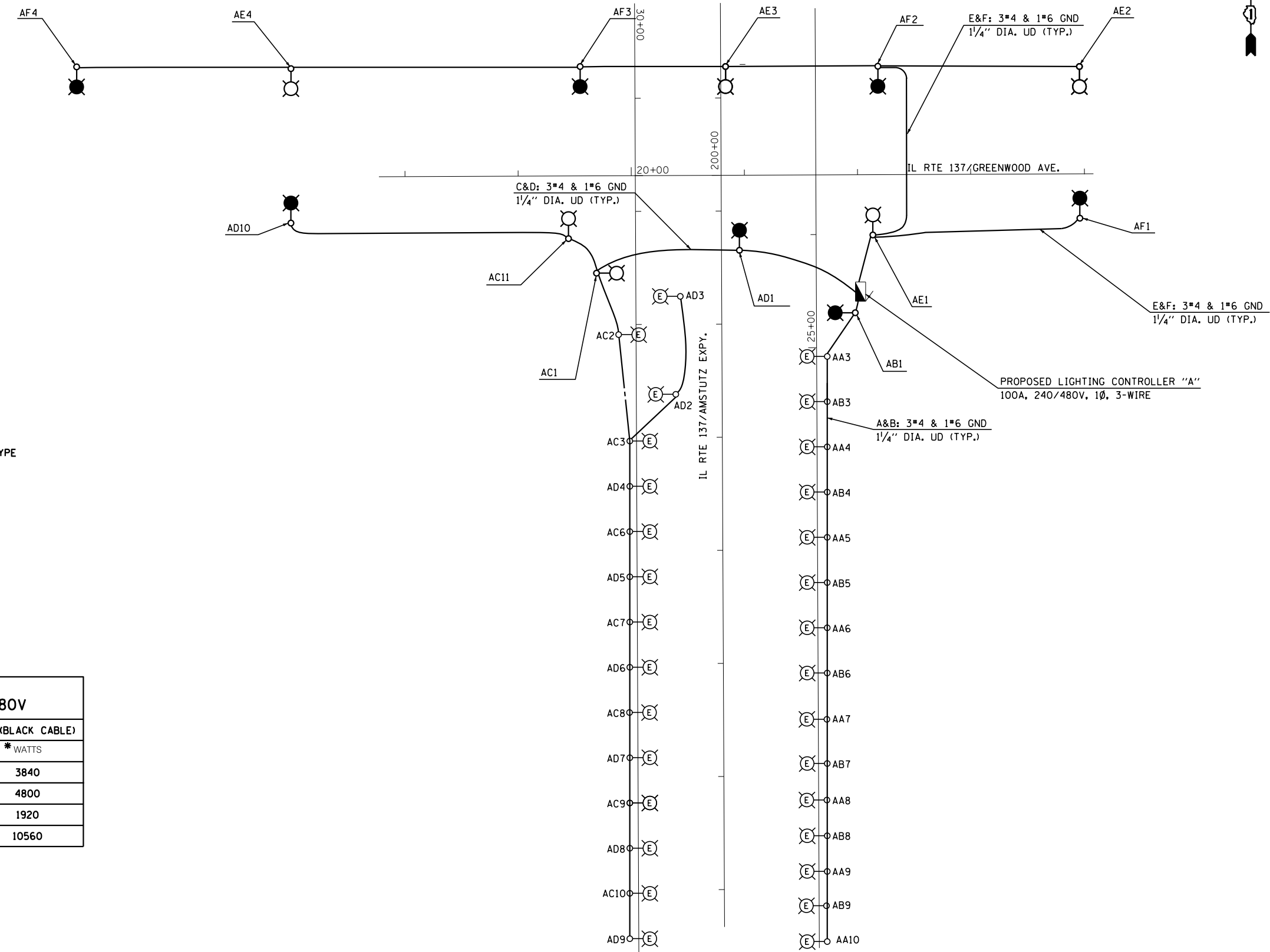
- UNIT DUCT, WITH 3-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP TYPE USE), 1 1/4" DIAMETER POLYETHYLENE, AS INDICATED ON THE PLANS
- 400 WATT ROADWAY LUMINAIRE ON BLACK WIRE
- 400 WATT ROADWAY LUMINAIRE ON RED WIRE
- ⌈ J ⌋ JUNCTION OR PULL BOXES AS NOTED ON PLANS
- ▭ LIGHTING CONTROLLER, SINGLE DOOR, CONSOLE TYPE
- E EXISTING LIGHT POLE TO REMAIN

REFERENCE DRAWINGS

DWG. E-6 ROADWAY LIGHTING PLAN

LOAD TABLE LIGHTING CONTROLLER "A", 240/480V					
CIRCUIT	RED PHASE (RED CABLE)		CIRCUIT	BLACK PHASE (BLACK CABLE)	
	AMPS	* WATTS		AMPS	* WATTS
A	16.0	3840	B	16.0	3840
C	18.0	4320	D	20.0	4800
E	8.0	1920	F	8.0	1920
TOTAL	42	10080	TOTAL	44	10560

* ASSUMED 20% BALLAST LOSSES FOR 400W LUMINAIRE.



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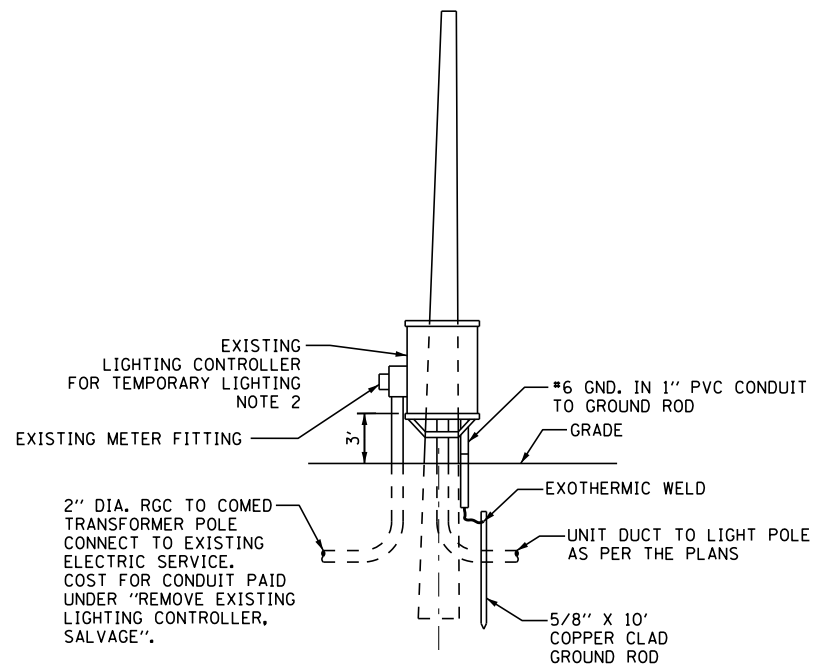
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	DATE - 1/31/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
LIGHTING CONTROLLER "A" WIRING DIAGRAM**

SCALE: NONE SHEET NO. 7 OF 8 SHEETS STA. ----- TO STA. -----

F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 64
			CONTRACT NO. 60P96	
ILLINOIS FED. AID PROJECT				



**TEMPORARY LIGHTING CONTROLLER
INSTALLATION DETAIL**
NOT TO SCALE

NOTES:

1. ALL CONDUIT ATTACHED TO THE WOOD POLE IS INCLUDED IN THE COST OF THE MAINTENANCE OF LIGHTING SYSTEM.
2. REUSE EXISTING LIGHTING CONTROLLER AS TEMPORARY LIGHTING CONTROLLER.

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USER NAME = mgarvido	DESIGNED - RP	REVISED -
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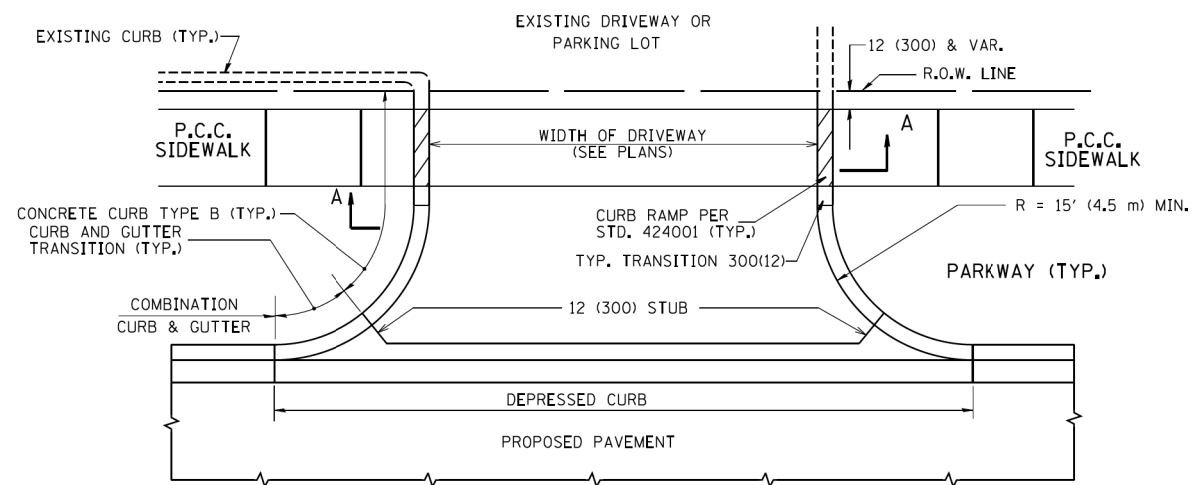
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 137 (GREENWOOD AVE.) OVER IL RTE 137 (AMSTUTZ EXPY.)
TEMPORARY LIGHTING CONTROLLER INSTALLATION DETAIL**

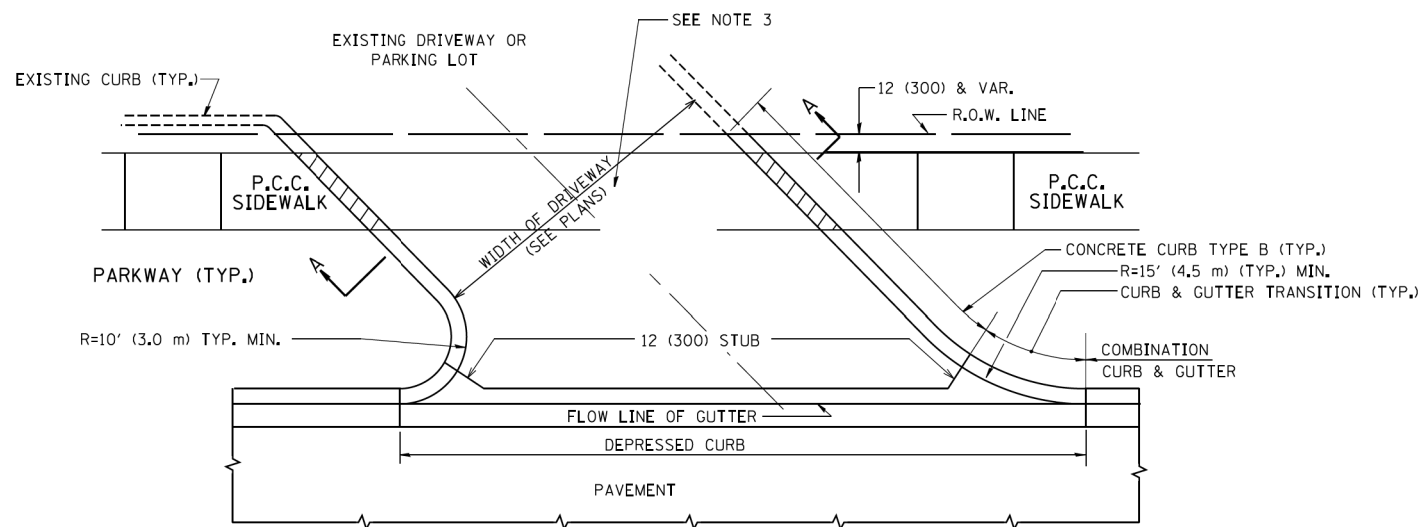
SCALE: NONE SHEET NO. 8 OF 8 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	65
CONTRACT NO. 60P96				
ILLINOIS FED. AID PROJECT				

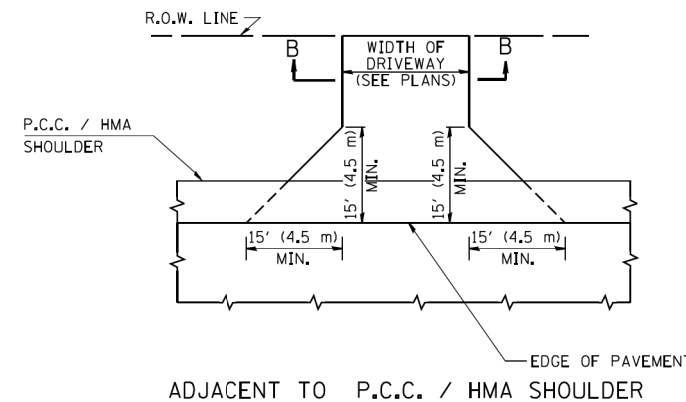
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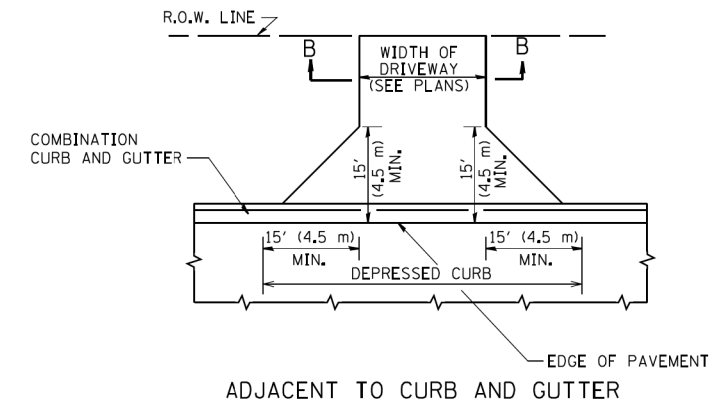
WITH CONCRETE CURB, TYPE B



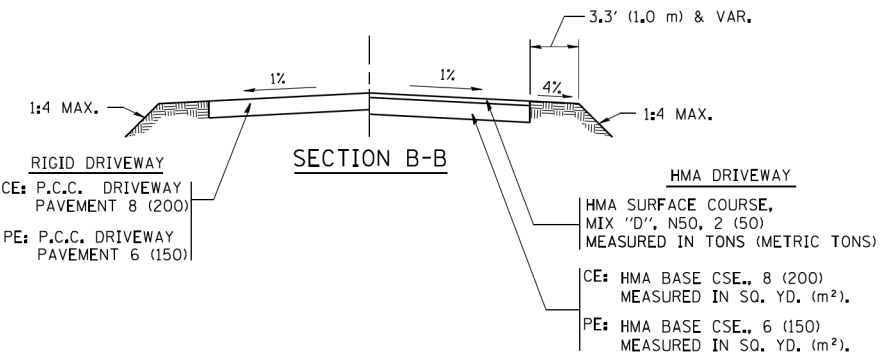
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

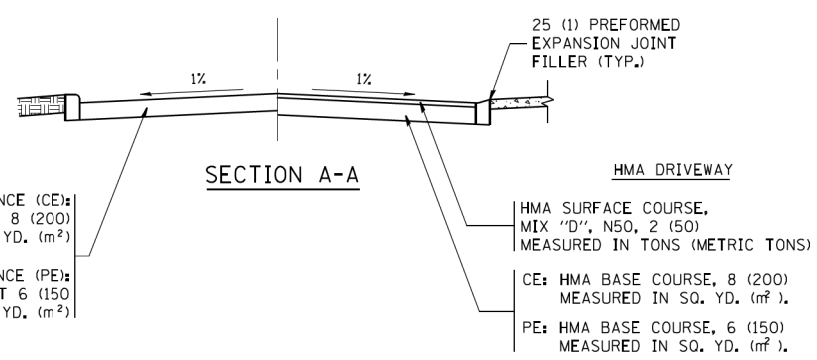
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



RIGID DRIVEWAY
COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)
NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

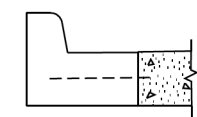
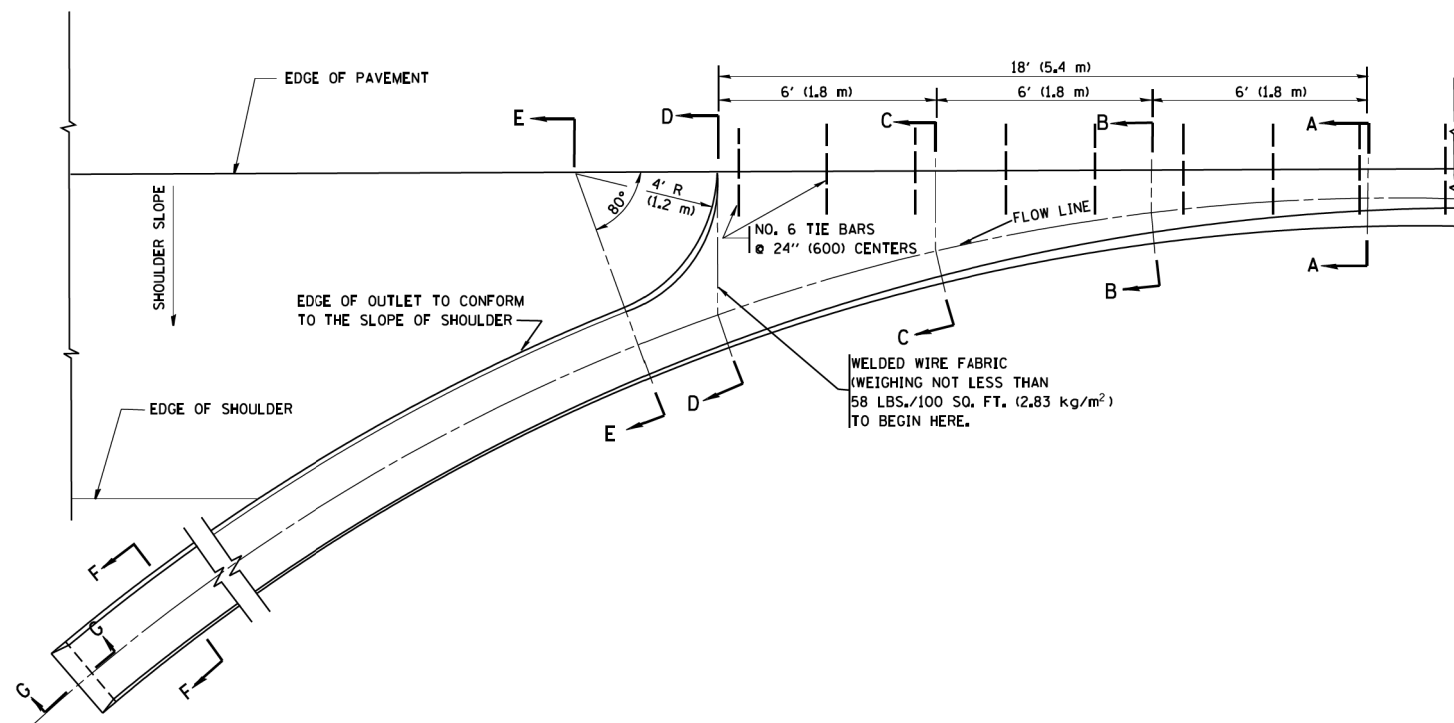
HMA DRIVEWAY
HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²),
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²).

USER NAME = APatterson	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
PLOT SCALE = 1"=50'	DRAWN - R. BORO 01-01-07	REVISED - R. BORO 06-11-08
PLOT DATE = 5/5/2017	CHECKED -	REVISED - R. BORO 09-06-11
	DATE - 11-04-95	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

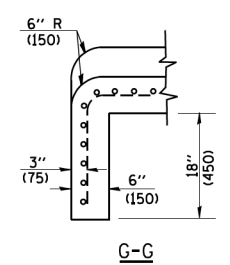
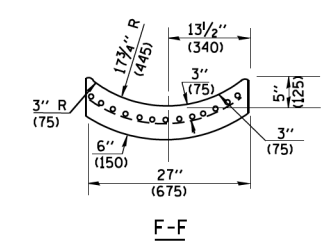
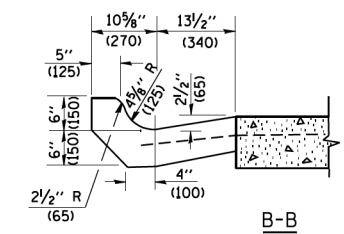
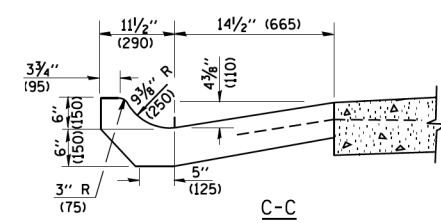
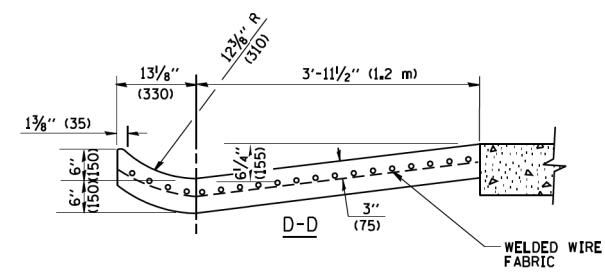
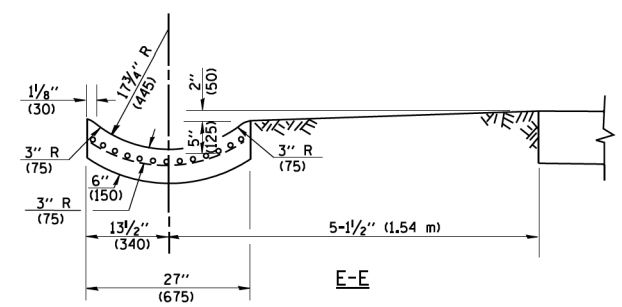
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET 1 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	66
BD0156-07 (BD-01)		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

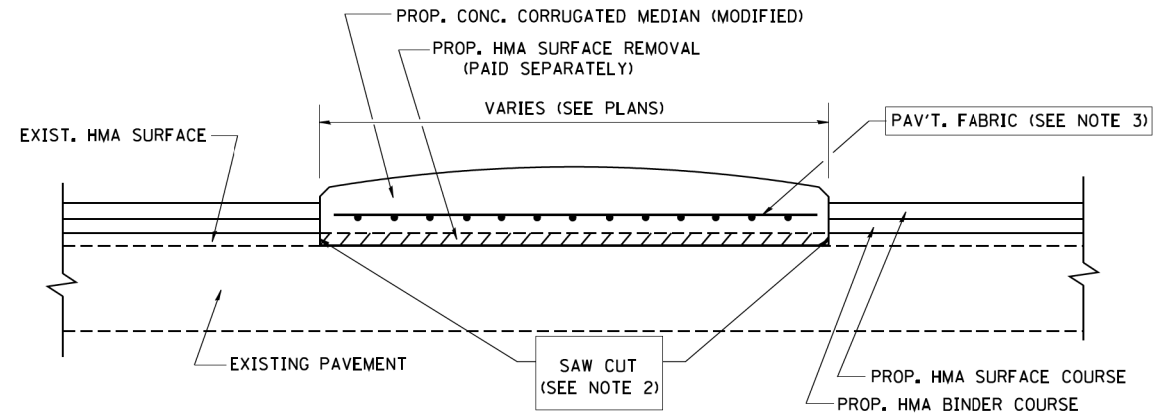
QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

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

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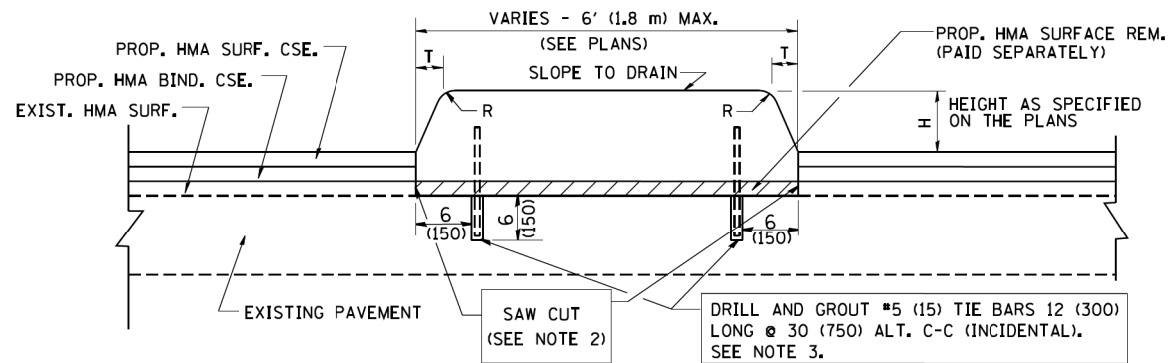
USER NAME = APatterson PLOT SCALE = 1"=50' PLOT DATE = 5/5/2017	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTTER		F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 67	
	DRAWN -	REVISED - R. SHAH 10-25-94		SCALE: NONE	SHEET 2	OF 26 SHEETS	BD600-01 (BD-03)		CONTRACT NO. 60P96		
	CHECKED -	REVISED - E. GOMEZ 12-21-00						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	DATE - 08-04-86	REVISED -									



- NOTES:
1. CORRUGATED MEDIAN (MODIFIED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF STATE STANDARD 606306.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)
 3. PAVEMENT FABRIC WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)

DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CORRUGATED MEDIAN (MODIFIED)"



- NOTES:
1. CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATIONS.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"
 3. FOR MEDIAN WIDTH LESS THAN 4' (1.2 m) USE ONE ROW OF #5 (15) BARS @ 30 (750) C-C ALONG THE MEDIAN CENTERLINE. TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"

DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CONCRETE MEDIAN TYPE SB (DOWELLED)"

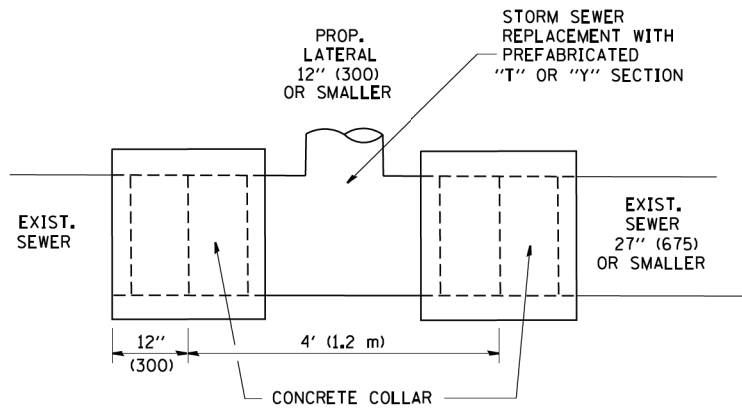
H	R	T
6(150)	1(25)	1(25)
9(225)	1(25)	2(50)

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

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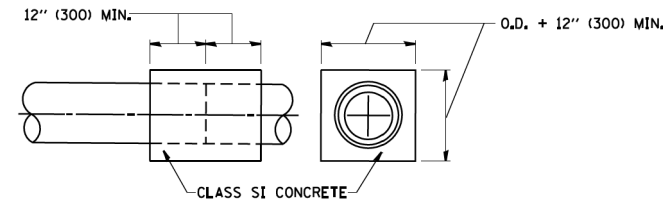
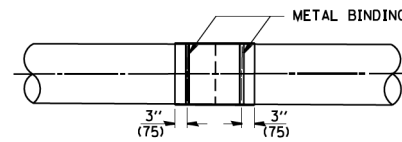
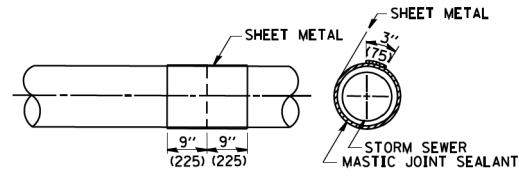
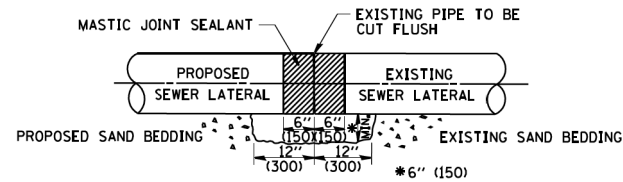
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PLOT SCALE = 1"=50'	CHECKED -	REVISED - R. SHAH 10-25-94		SCALE: NONE	SHEET 3 OF 26 SHEETS	STA. TO STA.	BD600-02 (BD-5)		CONTRACT NO. 60P96		
PLOT DATE = 5/5/2017	DATE - 05-14-90	REVISED - E. GOMEZ 08-28-00									
		REVISED - R. BORO 01-01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

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DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

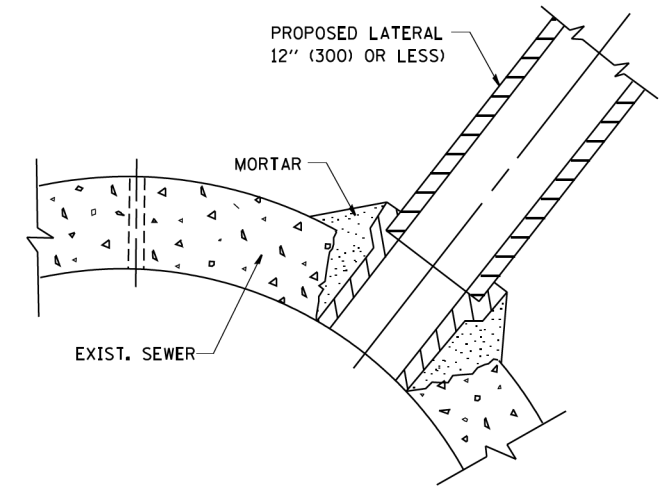


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

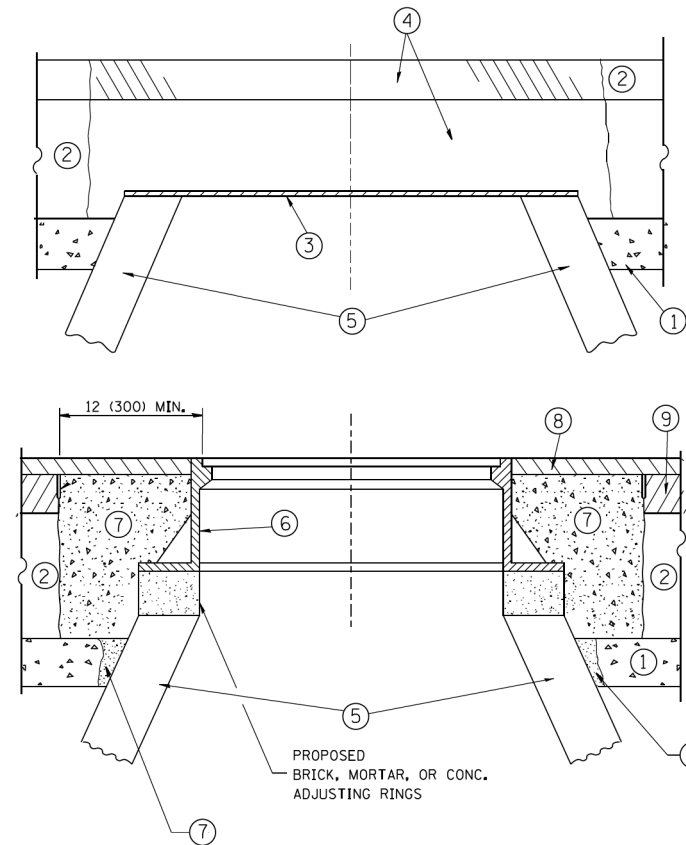
TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

USER NAME = APatterson PLOT SCALE = 1"=50' PLOT DATE = 5/5/2017	DESIGNED - M. DE YONG DRAWN -	REVISED - M. DE YONG 05-08-92 REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER		F.A.P. RT. SECTION COUNTY TOTAL SHEETS SHEET NO. 352 8HB-BR LAKE 121 69
	CHECKED - DATE - 07-25-90	REVISED - R. SHAH 10-25-94 REVISED - R. SHAH 06-12-96		SCALE: NONE SHEET 4 OF 26 SHEETS STA. TO STA.	BD500-01 (BD-7) CONTRACT NO. 60P96 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

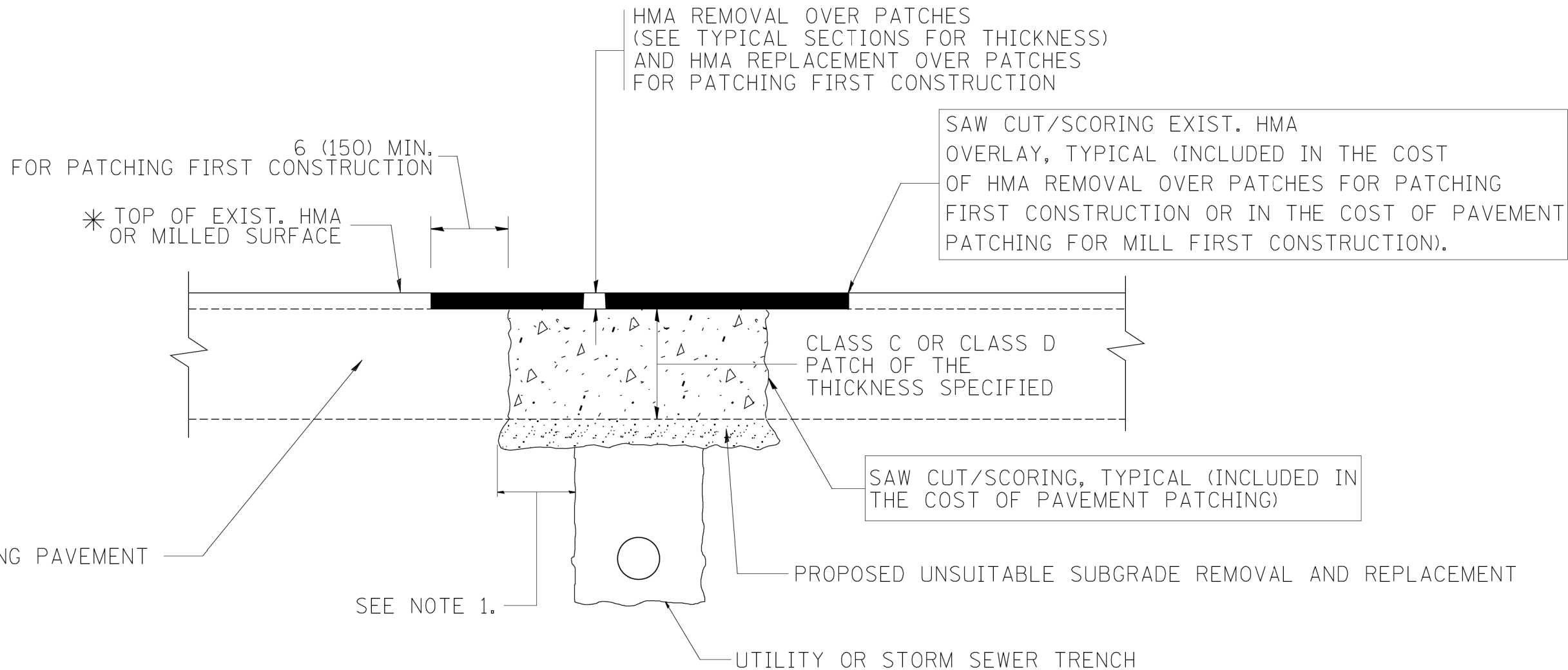
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = APatterson	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 1"=50'	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 5/5/2017	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET 5	OF 26 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	70
BD600-03 (BD-8)		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = P:\P\12\2613-00 P1B 1B1-13 - IL 137 Bridge\GNC\G00 Sheets\06096-INT-DIST\dldgr

USER NAME = APatterson	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1"=50'	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET 6 OF 26 SHEETS	STA.	TO STA.	352	8HB-BR	LAKE	121 71
PLOT DATE = 5/5/2017	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 60P96		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	DATE - 10-25-94	REVISED - K. ENG 10-27-08									

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

18" (450) MAX.

T/2 *

3" (75) MIN.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

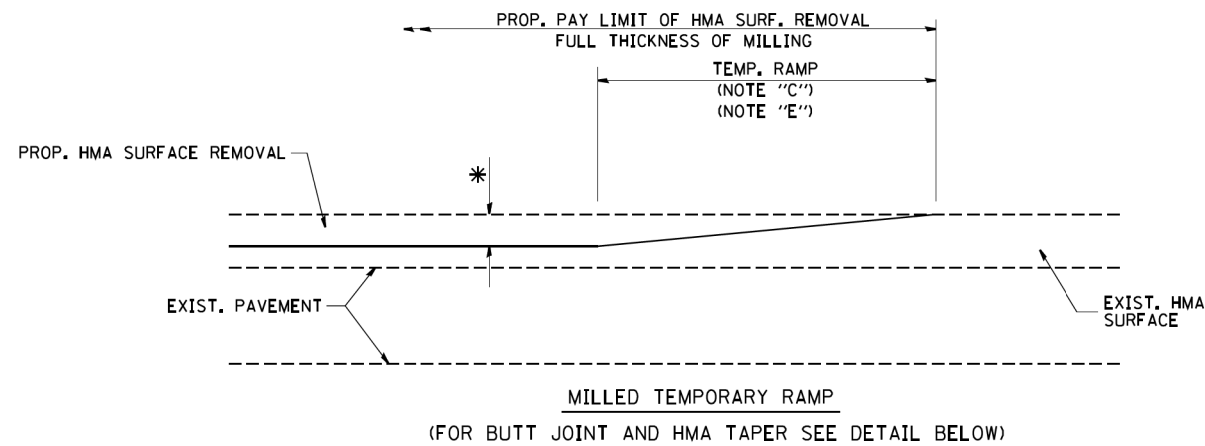
⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

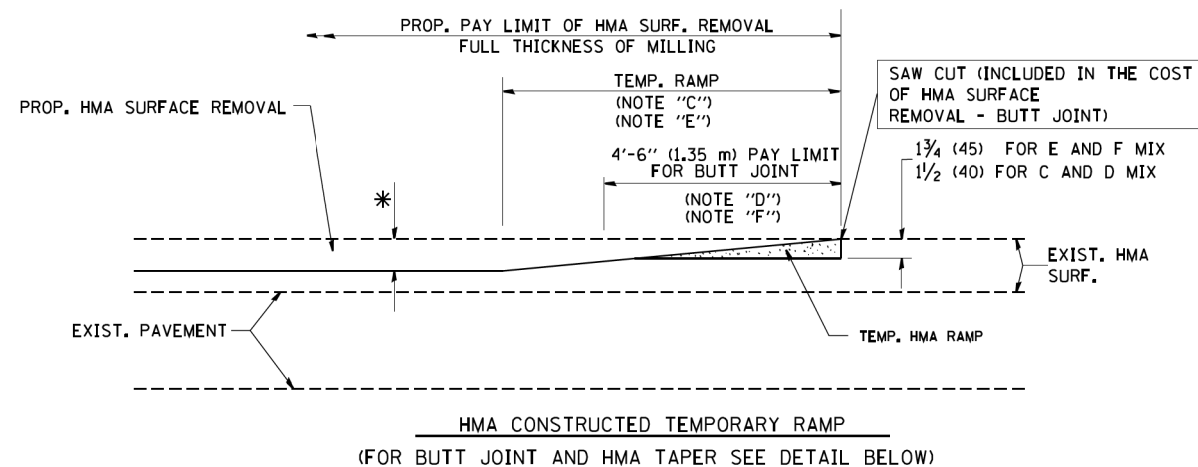
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = P:\P\12\2613-00 P1B 1B1-13 - IL 137 Bridge\IGN\CADD Sheets\060996-int-DIST.dwg

USER NAME = APatterson	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1"=50'	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET 7 OF 26 SHEETS	STA. TO STA.	352	8HB-BR	LAKE	121	72
PLOT DATE = 5/5/2017	CHECKED -	REVISED - M. GOMEZ 01-22-01		BD600-06 (BD-24)		CONTRACT NO. 60P96		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	DATE - 03-11-94	REVISED - R. BORO 12-15-09									

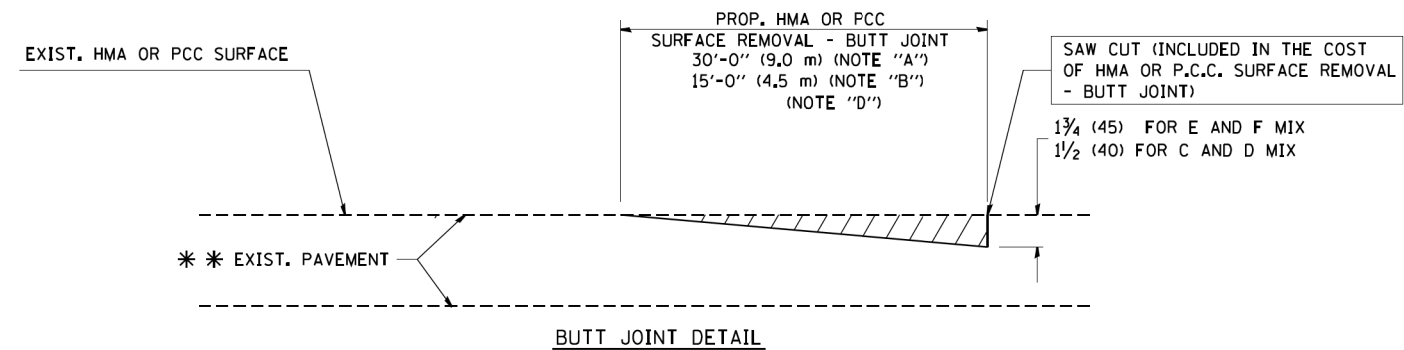


OPTION 1

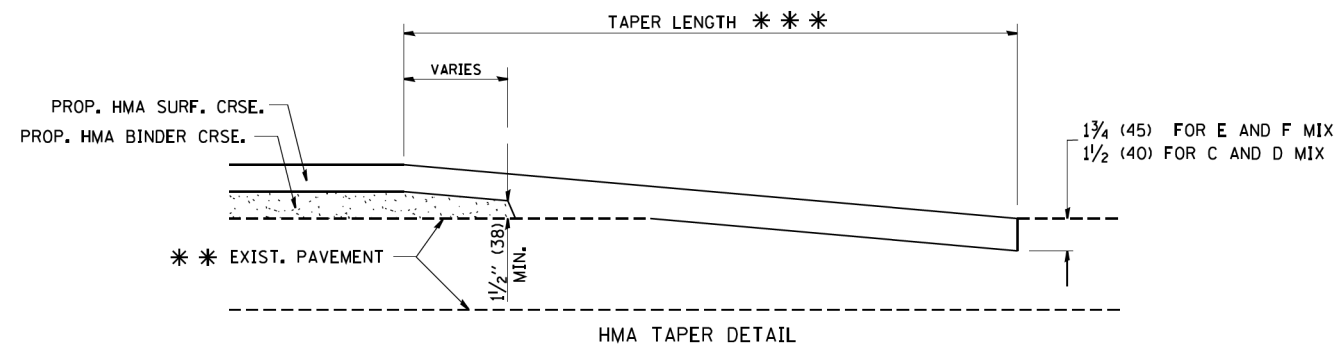


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

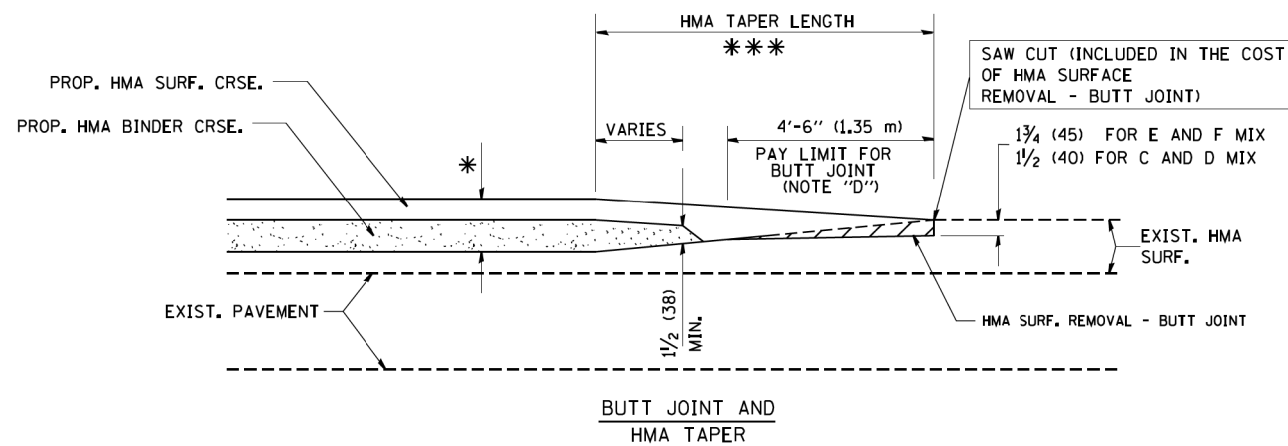
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * * * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = P:\P\12\2613-00 PFB 161-13 - IL 137 Bridge\IGN\CADD Sheets\060916-st-01ST.tbl.dgn

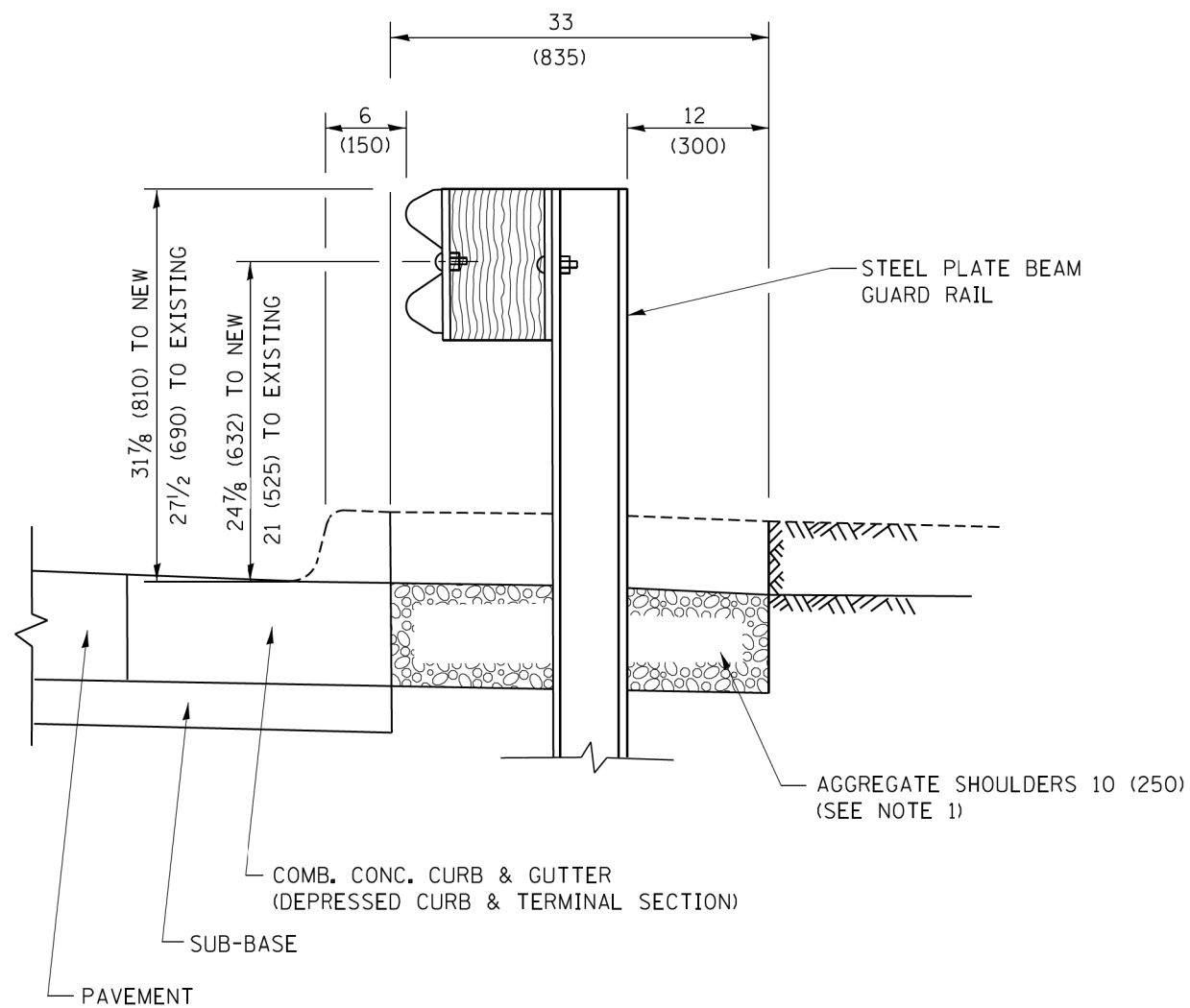
USER NAME = APatterson	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 1"=50'	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 5/5/2017	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET 8 OF 26 SHEETS STA. TO STA.

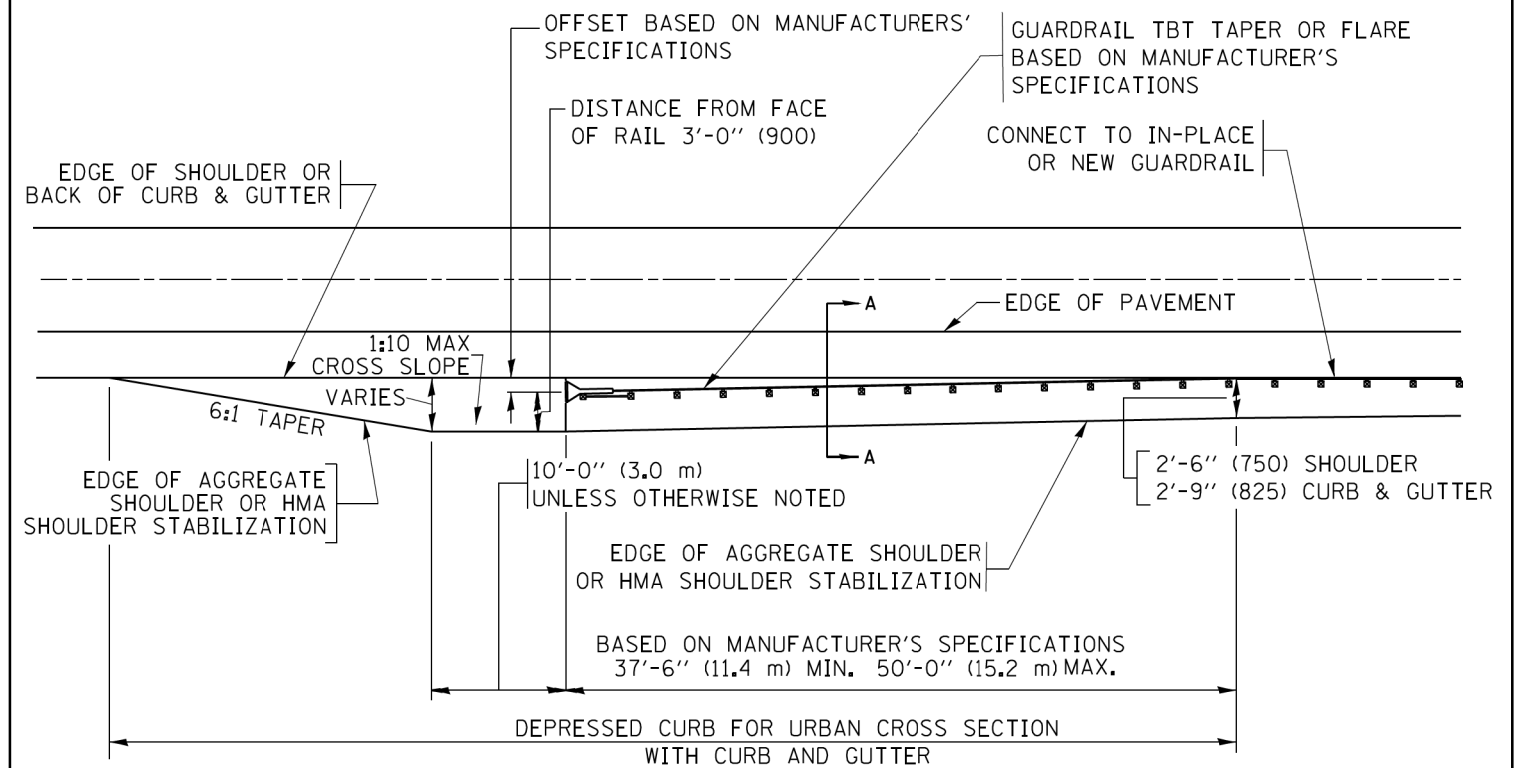
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	73
BD400-05 BD32		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME = P:\P\12\2613-00 PFB 161-13 - IL 137 Bridge\IGN\CADD Sheets\60996-st-01ST.dwg

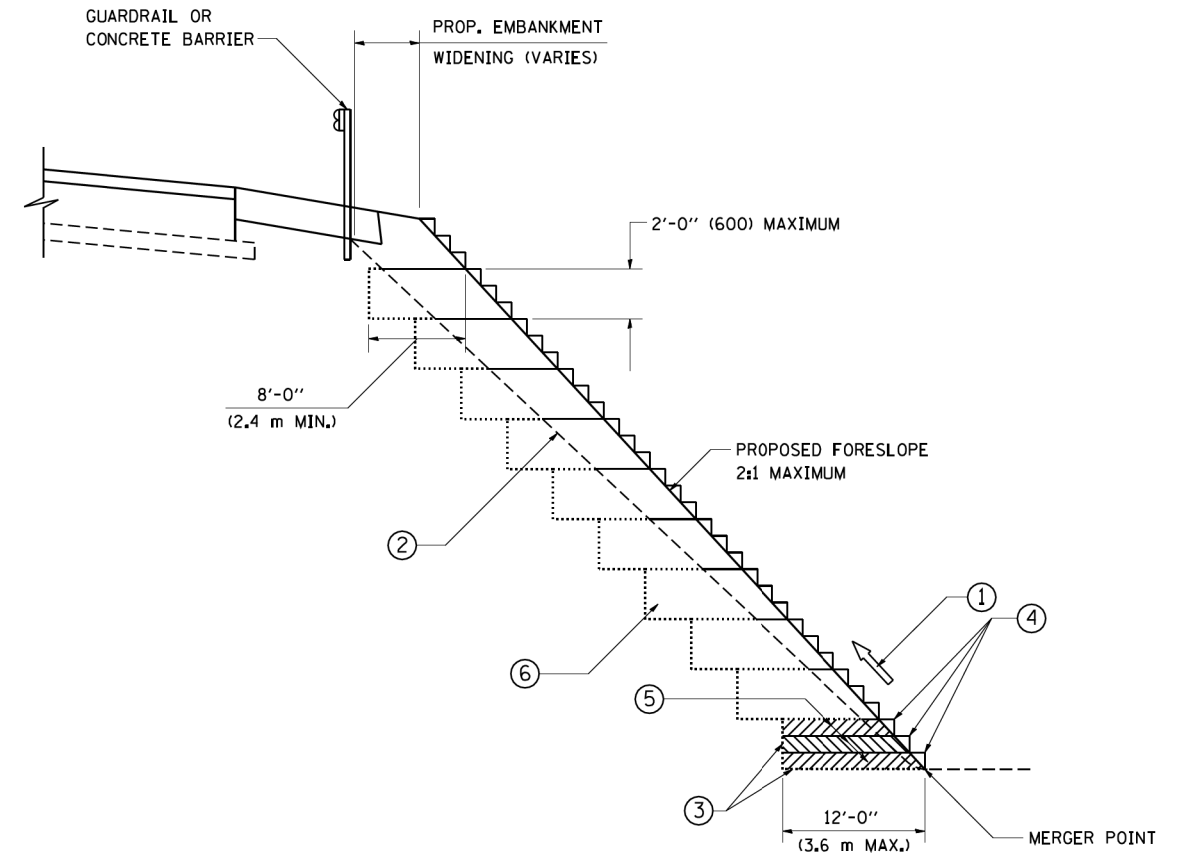
USER NAME = APatterson	DESIGNED - M. DE YONG	REVISED - R. BORO 12-08-2008
DRAWN = CADData\CADsheets\bd34.dgn	REVISIONS	REVISED - R. BORO 09-14-2009
PLOT SCALE = 1"=50'	CHECKED -	REVISED - R. BORO 08-06-2012
PLOT DATE = 5/5/2017	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.

SCALE: NONE SHEET 9 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 74
BD600-10 (BD 34)		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

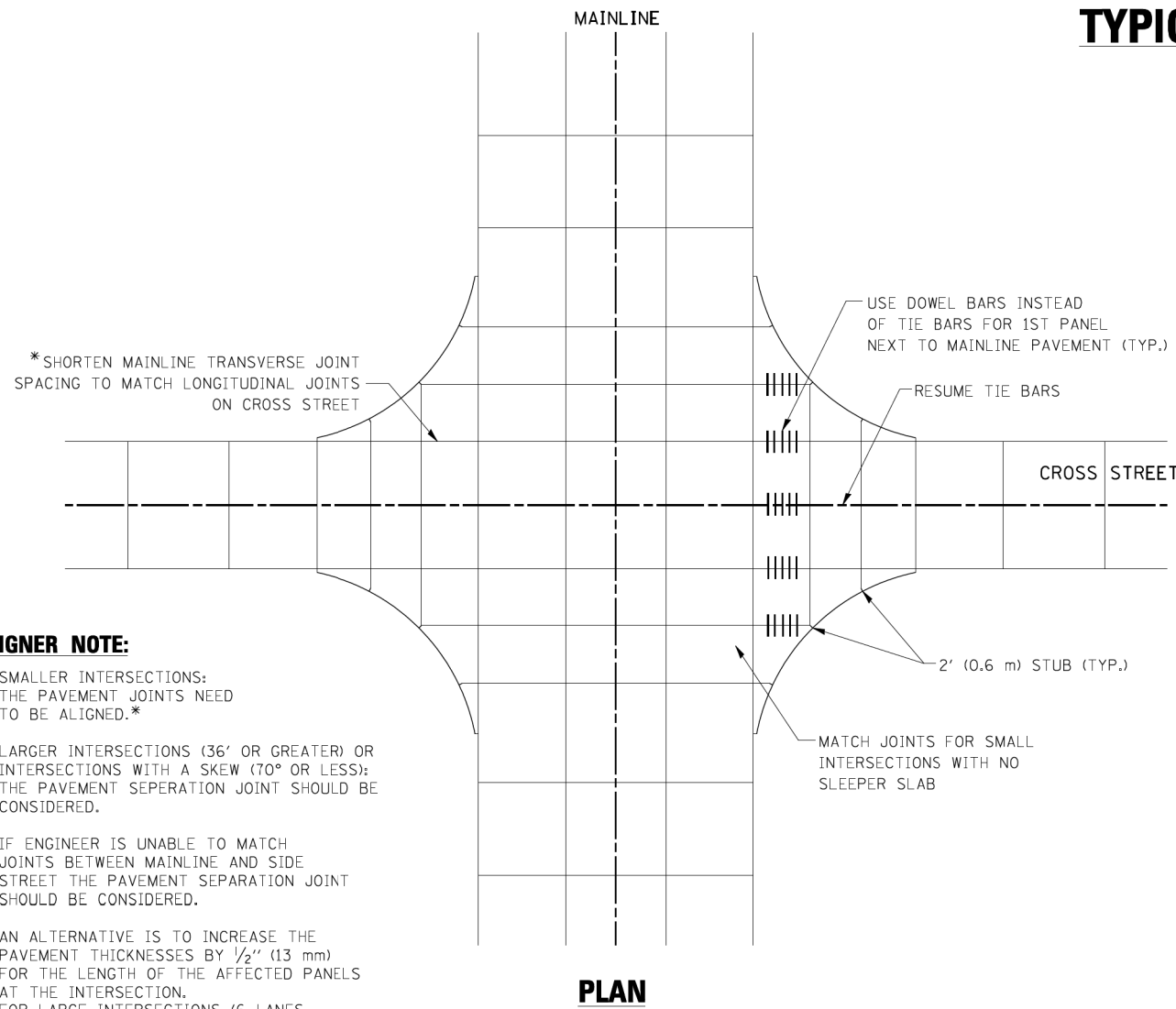
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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USER NAME = APatterson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
PLOT SCALE = 1"=50'	DRAWN - CADD	REVISED -		SCALE: NONE	SHEET 10	OF 26 SHEETS	STA.	TO STA.	352	8HB-BR	LAKE	121	75
PLOT DATE = 5/5/2017	CHECKED - S.E.B.	REVISED -								BD-51		CONTRACT NO. 60P96	
	DATE - 06-16-04	REVISED -								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

TYPICAL APPLICATION

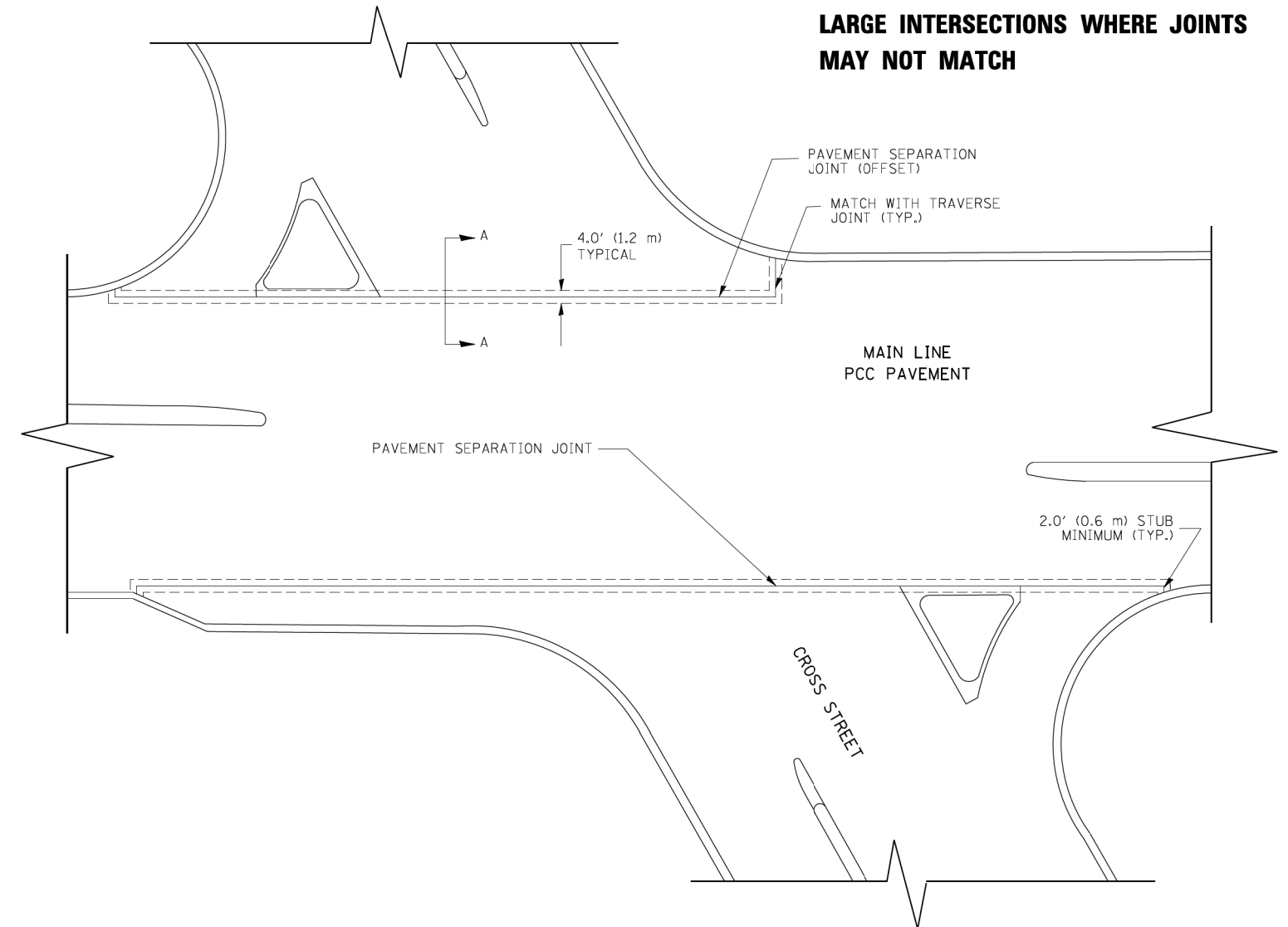
THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



PLAN

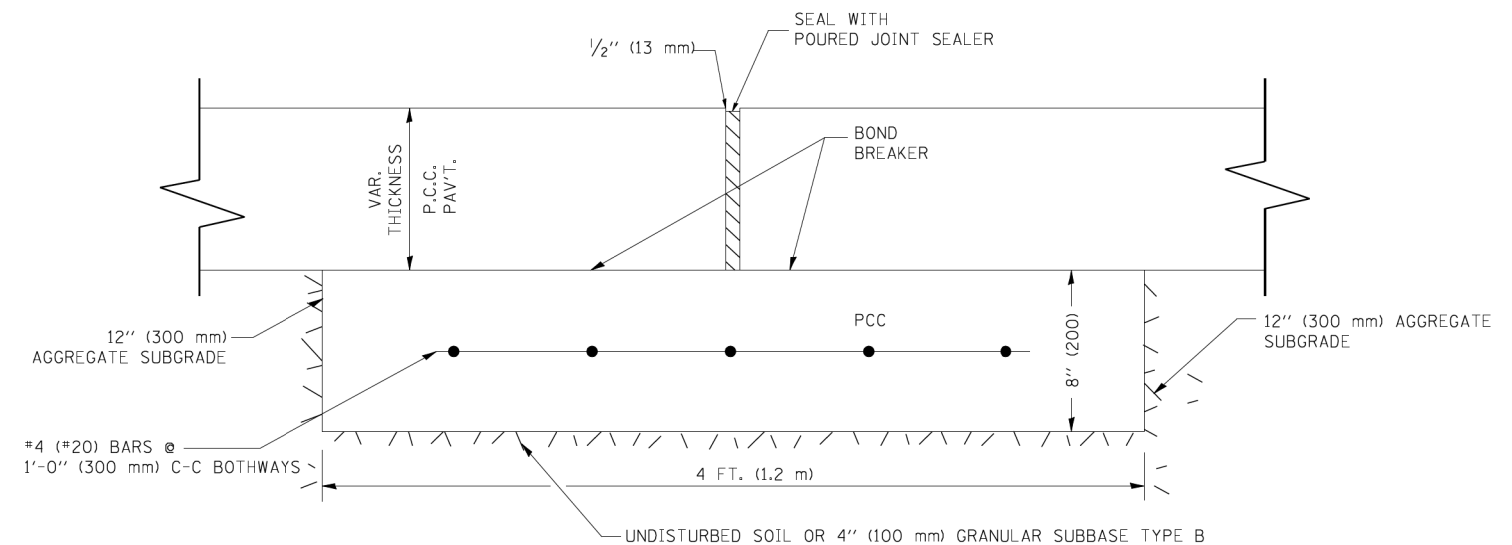
DESIGNER NOTE:

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.



NOTE:

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



PROPOSED SECTION A-A

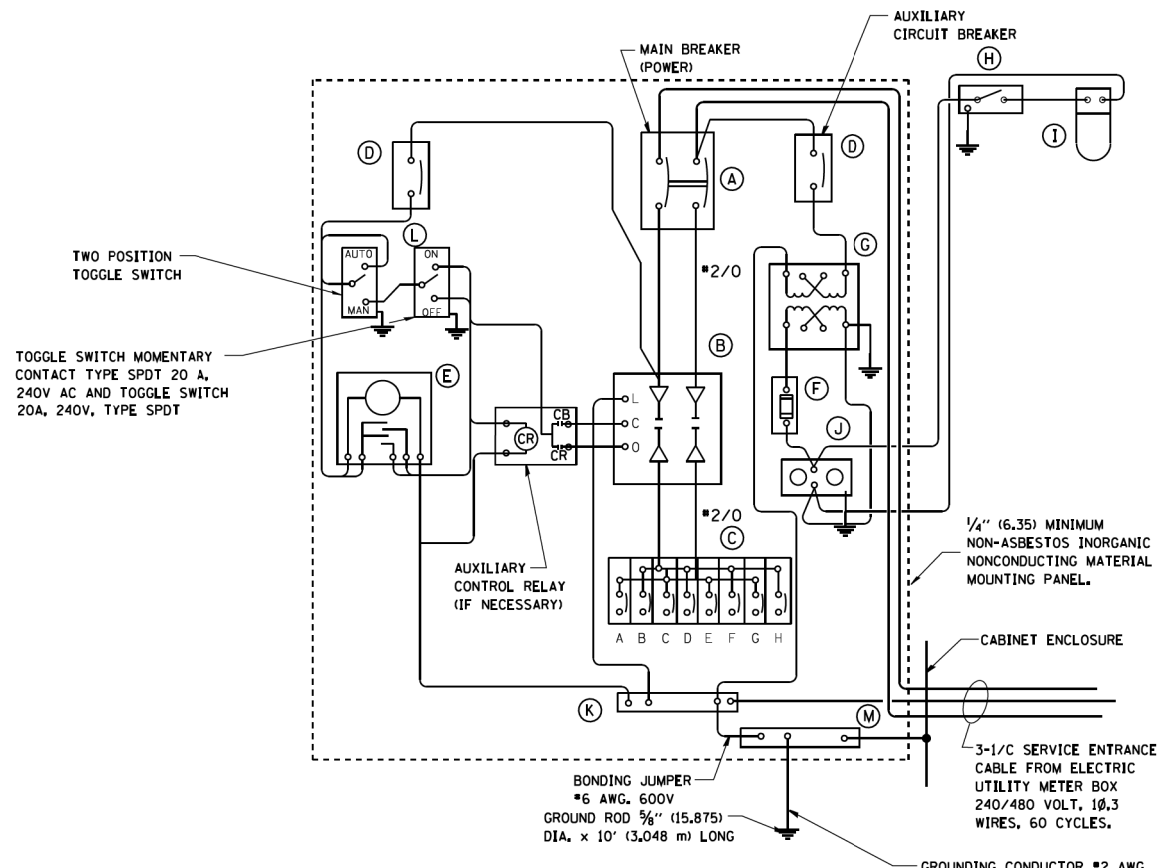
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USER NAME = APatterson	DESIGNED -	REVISED - CADD 06-18-10
PLOT SCALE = 1"=50'	DRAWN -	REVISED -
PLOT DATE = 5/5/2017	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS		
SCALE: NONE	SHEET 11 OF 26 SHEETS	STA. TO STA.

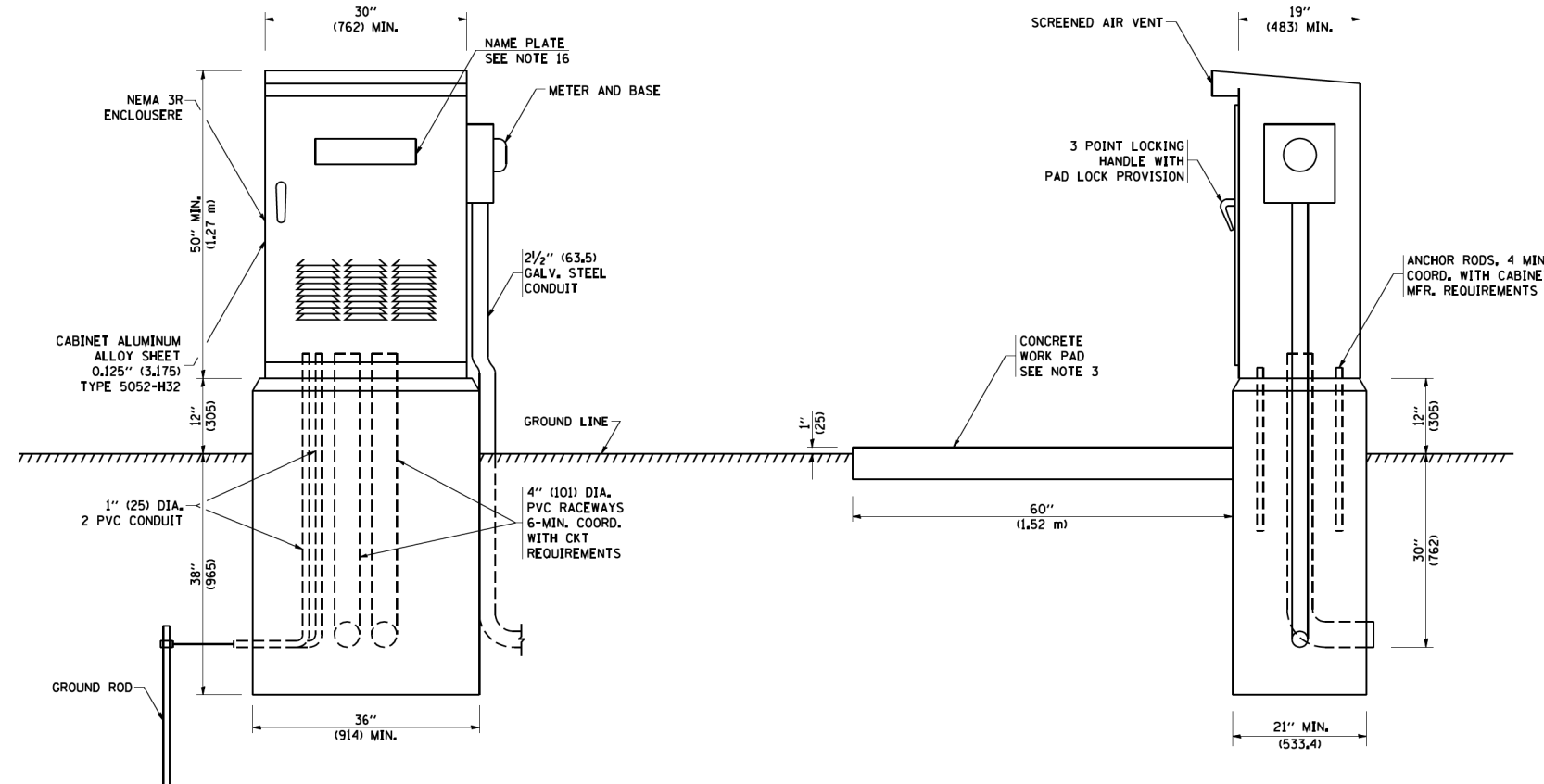
F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 76
BD52		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
F	1	20 A., 120 V. FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 Hz.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS



NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (1523.8 mm) x 4" (101.6 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

FILE NAME = P:\P\12\2513-00 PFB 161-13 - IL 137 Bridge.DGN\CADD Sheets\060906\sh-01\1212.dwg

USER NAME = APatterson	DESIGNED -	REVISED - 08-20-04
PLOT SCALE = 1"=50'	DRAWN -	REVISED -
PLOT DATE = 5/5/2017	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING CONTROLLER SINGLE DOOR	
SCALE: NONE	SHEET 12 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 77
BE-215		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

UTILITY GROUND CONNECTION, (AS APPLICABLE), BY UTILITY

UTILITY GROUND, AS APPLICABLE, (BY UTILITY)

APPROXIMATELY 10'-6" (3.2 m)

APPROX. 6" (150 mm)

GRADE

EXOTHERMIC WELD CONNECTION

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S) (AS APPLICABLE) BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

NON-METALLIC "U" GUARD. FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. OZ GEDNEY TYPE CSBG OR APPROVED EQUAL, COMPLETE WITH LOCKING COLLAR (SEE DETAIL)

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL O.Z. GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' (3 m) LENGTH).

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE, BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING.

PVC-COATED RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

PVC COATED RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3.

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 6)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM

GROUND ROD SHALL BE INSTALLED NOT LESS THAN 24" (609 mm) FROM POLE UNLESS APPROVED BY THE ENGINEER

CUSTOMER SERVICE RISER GROUND ELECTRODE 5/8" X 10' (15.875 mm X 3.048 m) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL) SEE NOTE 5.

30" MIN - 36" MAX (762.0 mm MIN. - 914.0 mm MAX.) TO TOP OF CONDUIT

EXTENSION TO SERVICE EQUIPMENT

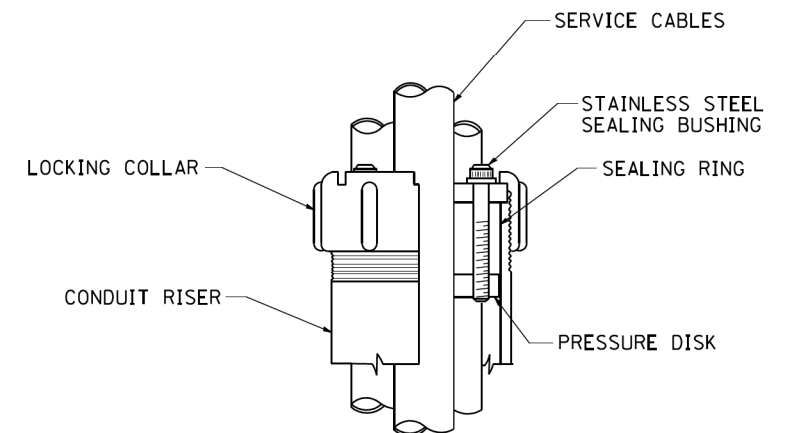
HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY (SEE NOTE 6)

APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALLIC TO NON METALLIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



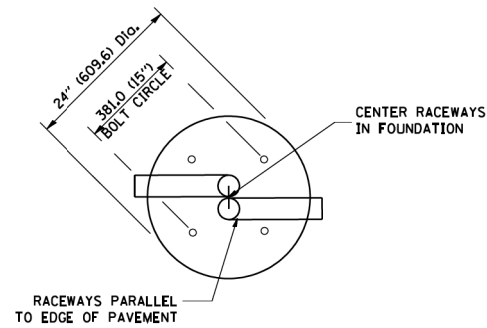
SEALING BUSHING DETAIL

FILE NAME = P:\P\12\2613-00 PFB 161-13 - IL 137 Bridge.DGN\CADD Sheets\60996-INT-DIST.dwg

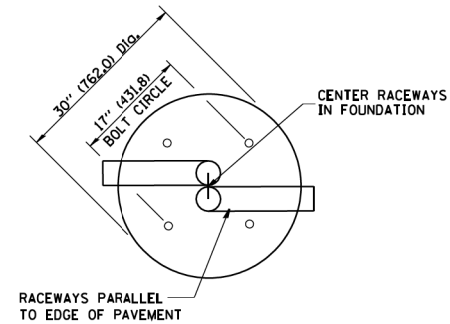
USER NAME = APatterson	DESIGNED -	REVISED - 03-03-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT		F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 78	
PLOT SCALE = 1"=50'	DRAWN -	REVISED -		SCALE: NONE	SHEET 13 OF 26 SHEETS	STA. TO STA.	BE-220		CONTRACT NO. 60P96		
PLOT DATE = 5/5/2017	CHECKED - MEA	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -									

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Ou = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Ou = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Ou = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



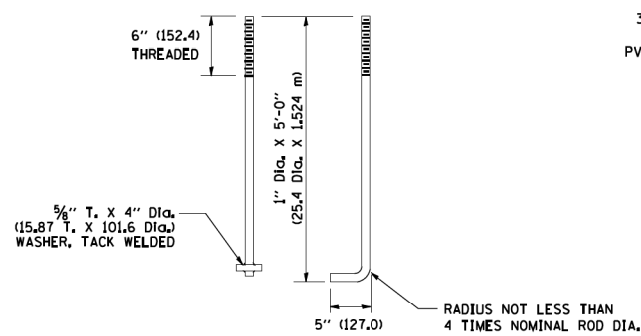
TOP VIEW



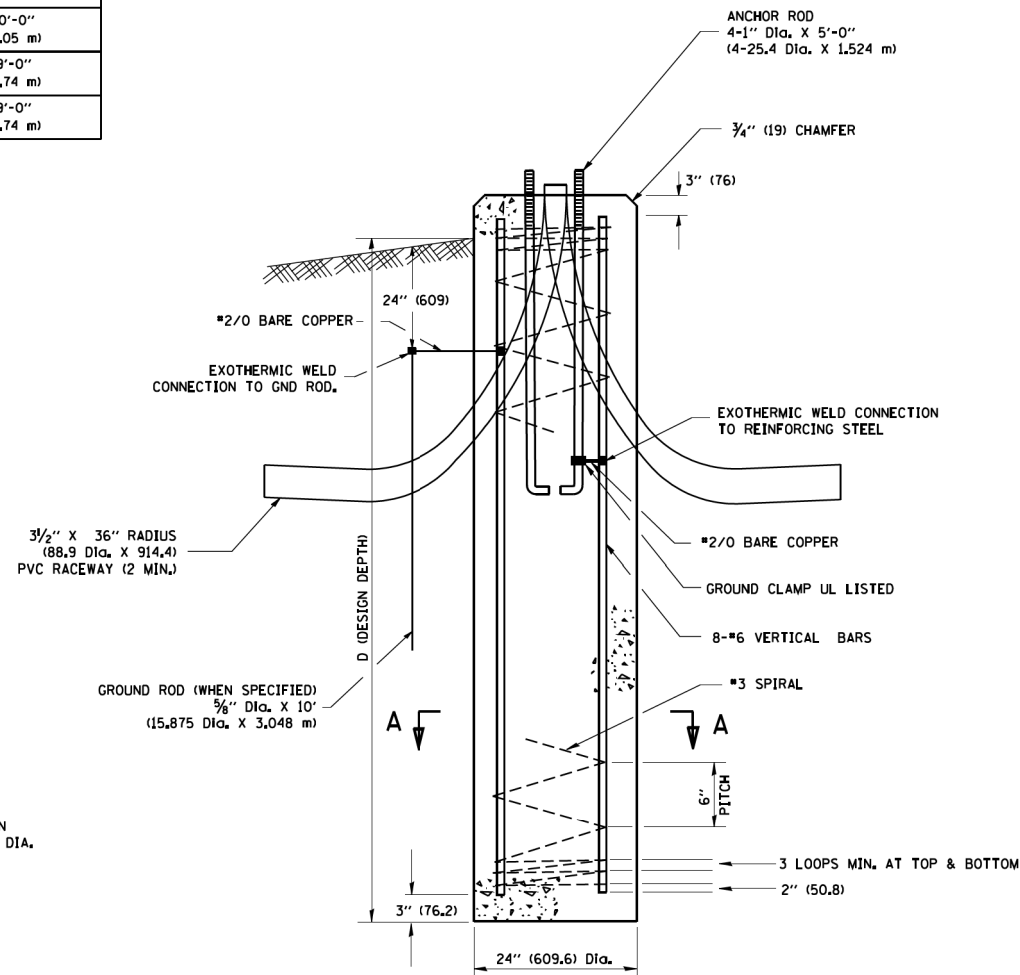
TOP VIEW

NOTES

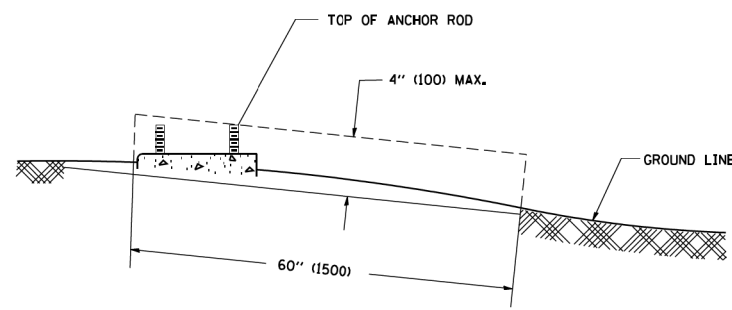
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE, COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD, A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105), NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG (MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION, IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



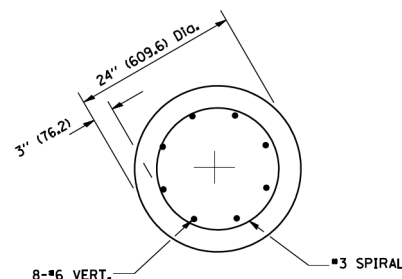
ANCHOR ROD DETAIL



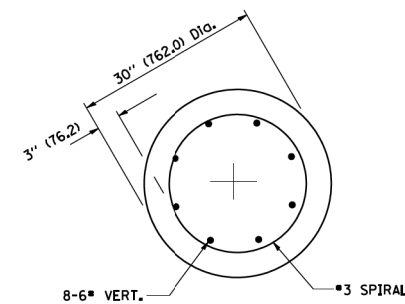
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

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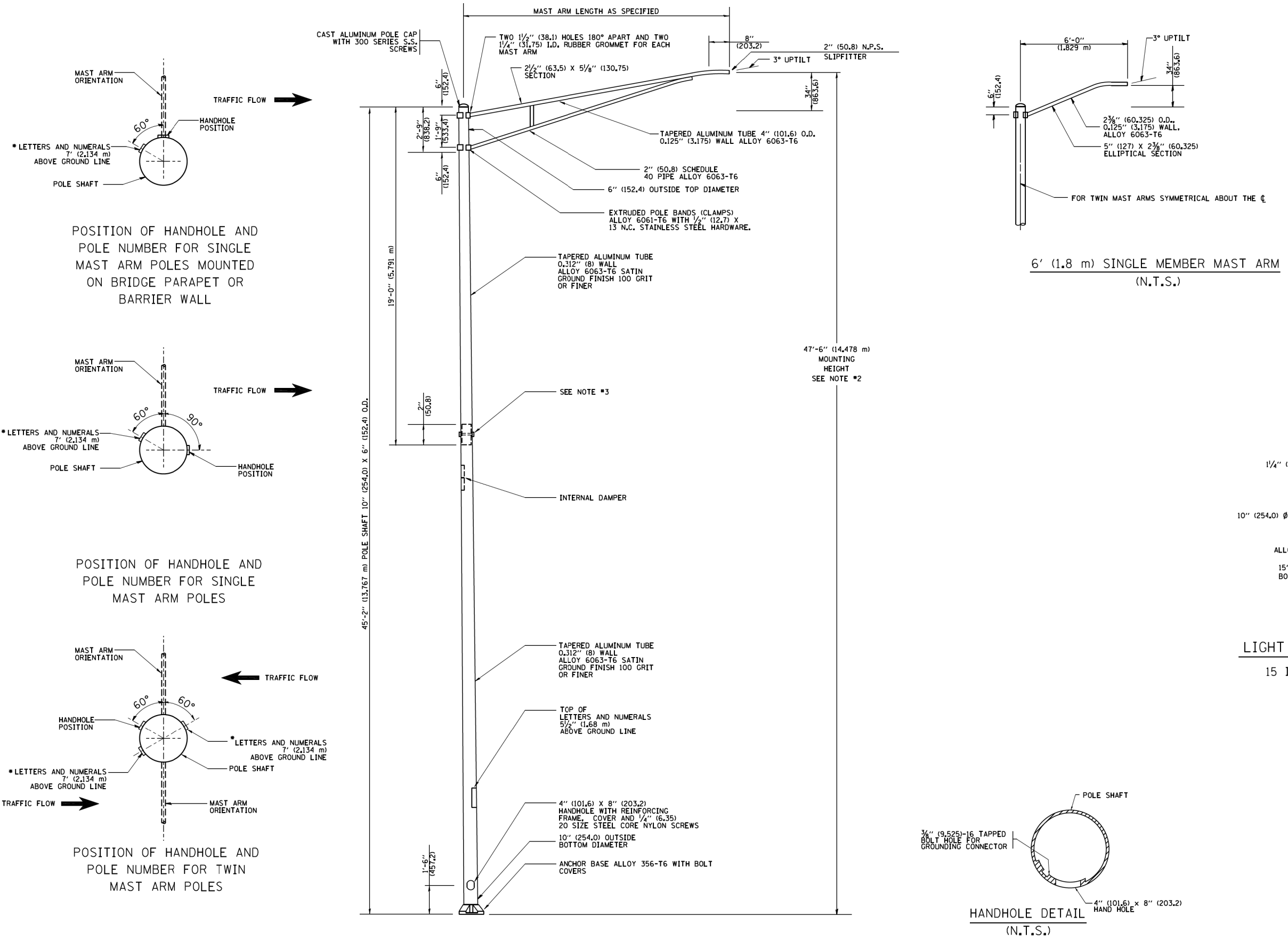
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PLOT SCALE = 1"=50'	DRAWN -	REVISED -
PLOT DATE = 5/5/2017	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

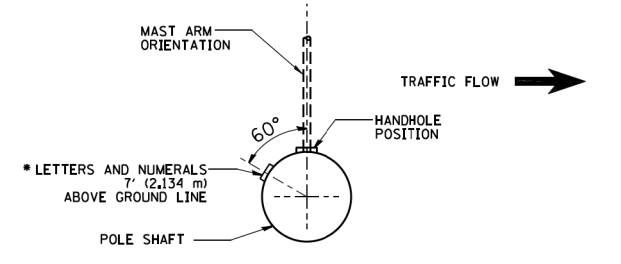
LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
SCALE: NONE SHEET 14 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	79
BE-301		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

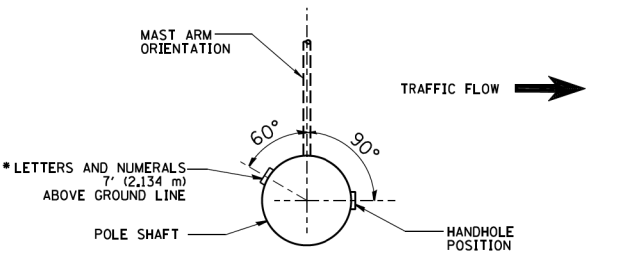
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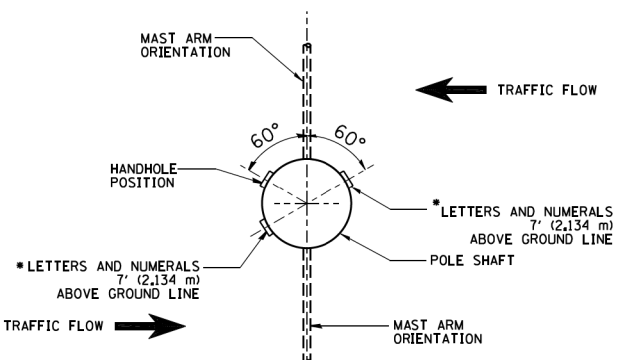
- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



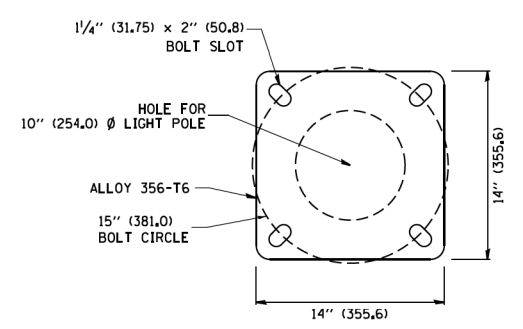
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



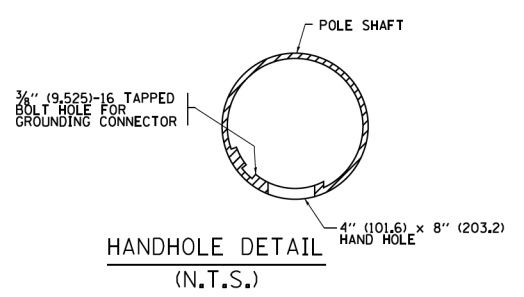
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

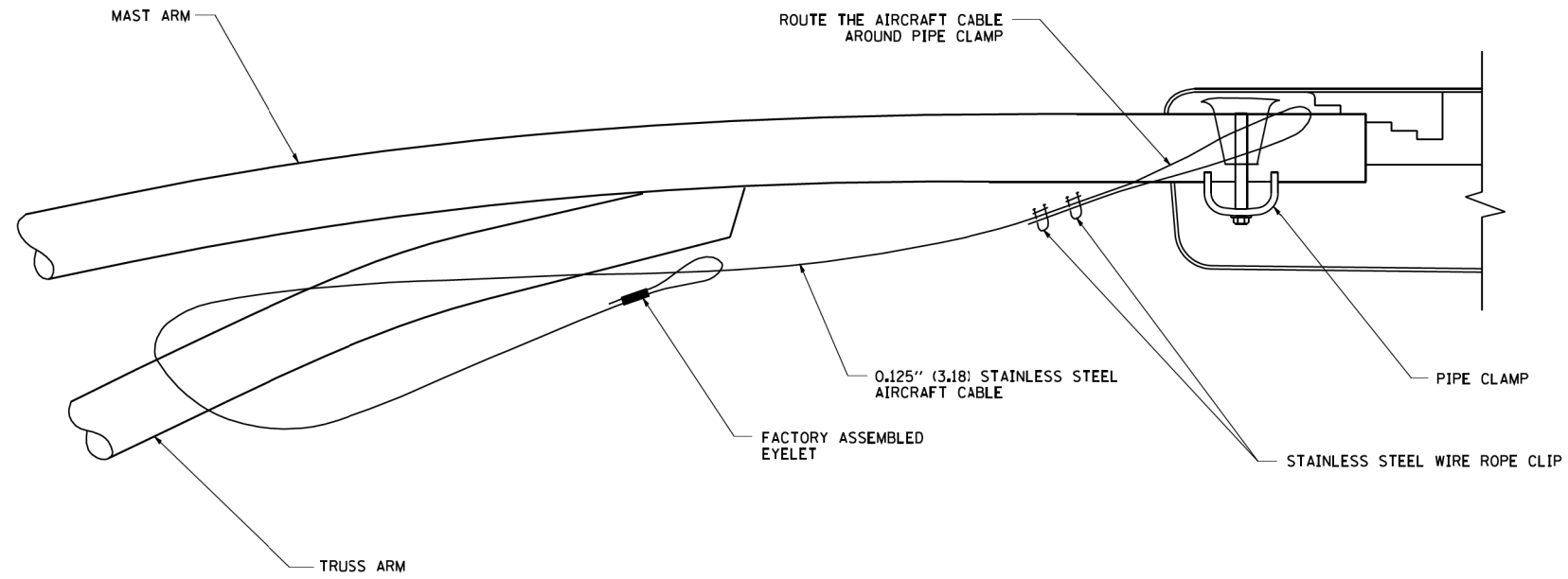


LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE

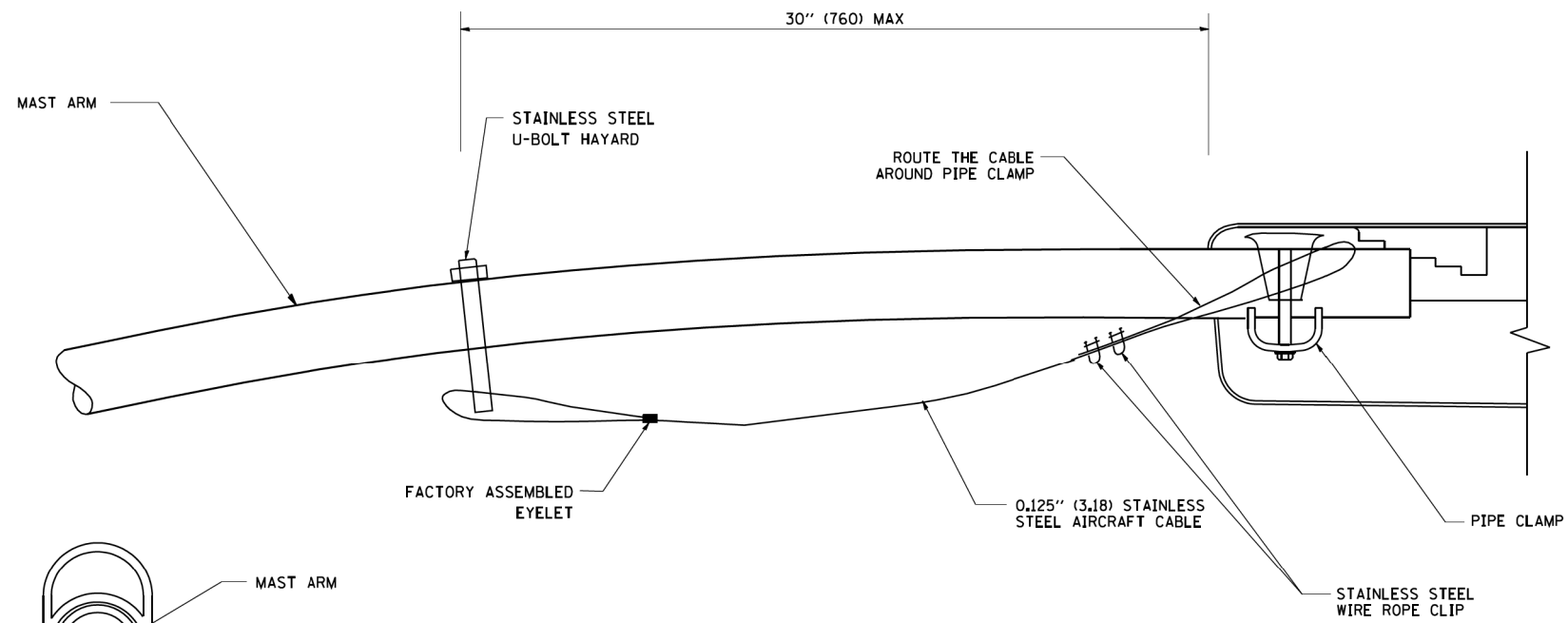


HANDHOLE DETAIL (N.T.S.)

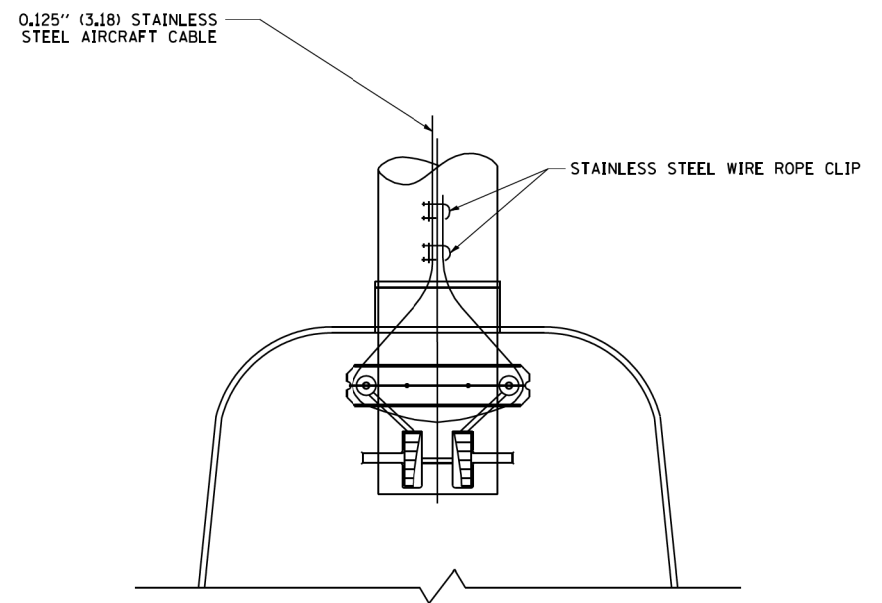
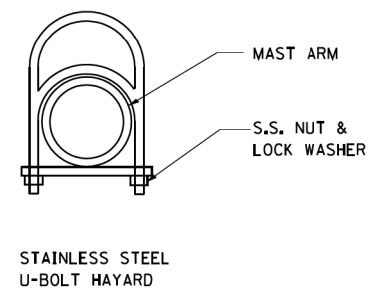
USER NAME = APatterson	DESIGNED -	REVISED - R. TOMSONS 09-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALUMINUM LIGHT POLE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1"=50'	CHECKED -	REVISED - R. TOMSONS 09-03-03		47'-6" (14.478 m) MOUNTING HEIGHT		352	8HB-BR	LAKE	121	80
PLOT DATE = 5/5/2017	DATE -	REVISED - R. TOMSONS 01-18-13		SCALE:	SHEET 15 OF 26 SHEETS	STA.	TO STA.		BE-400	
		REVISED - R. TOMSONS 03-18-15						CONTRACT NO. 60P96		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

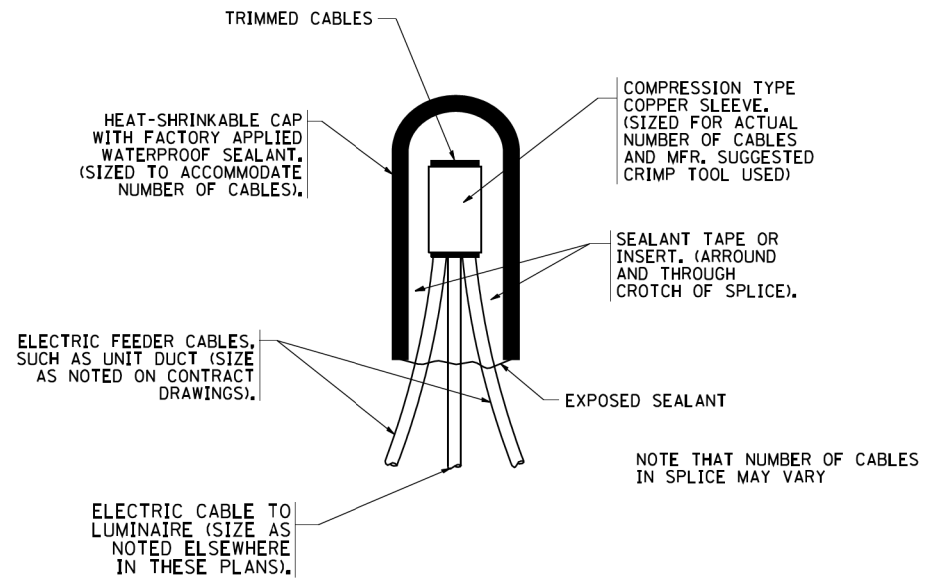


BOTTOM VIEW
N.T.S.

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

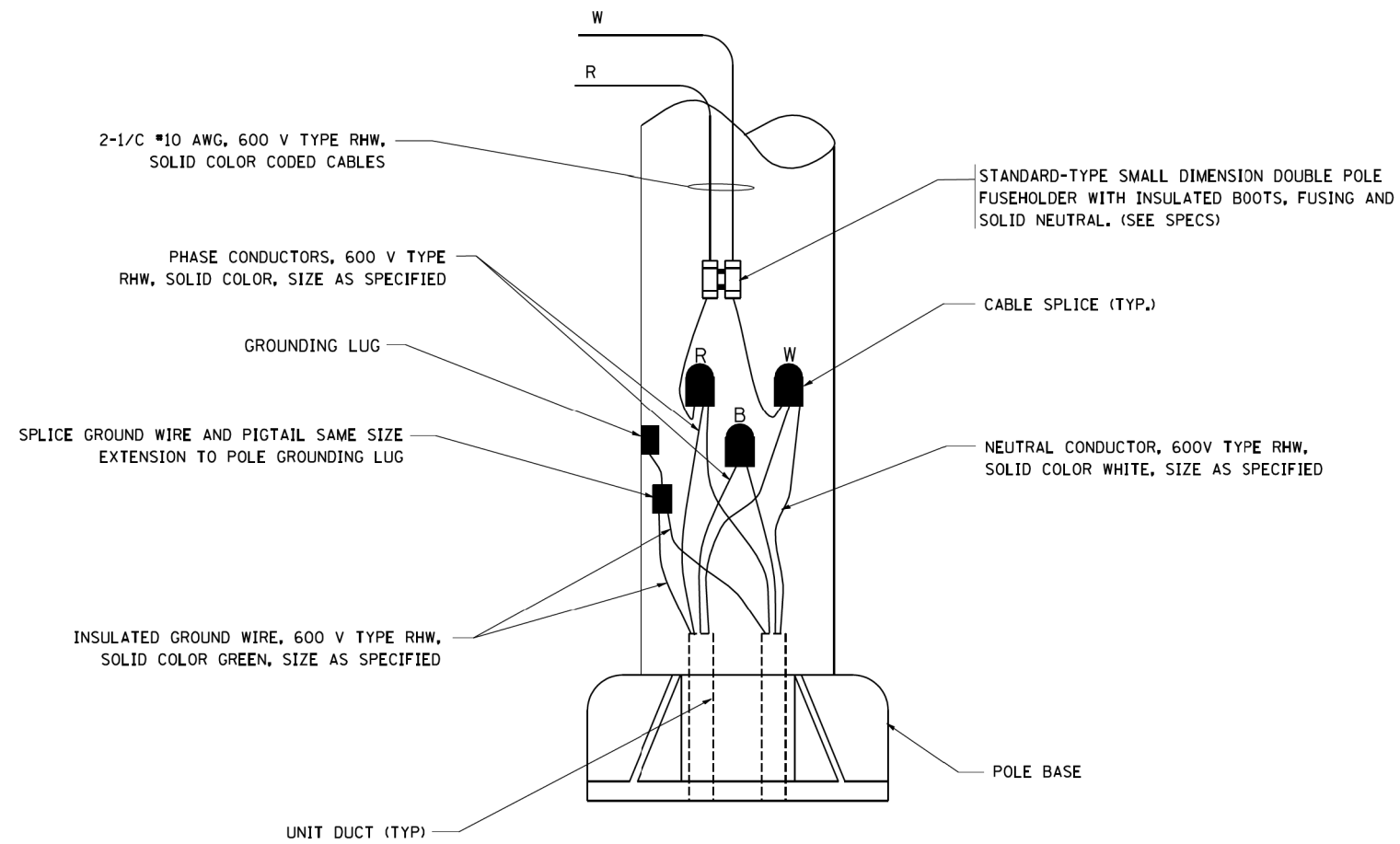
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USER NAME = APatterson		DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE SAFETY CABLE ASSEMBLY			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1"=50'		DRAWN -	REVISED -		352	8HB-BR	LAKE	121	81			
PLOT DATE = 5/5/2017		CHECKED -	REVISED -		BE-701		CONTRACT NO. 60P96					
		DATE -	REVISED -		SCALE: NONE	SHEET 16 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



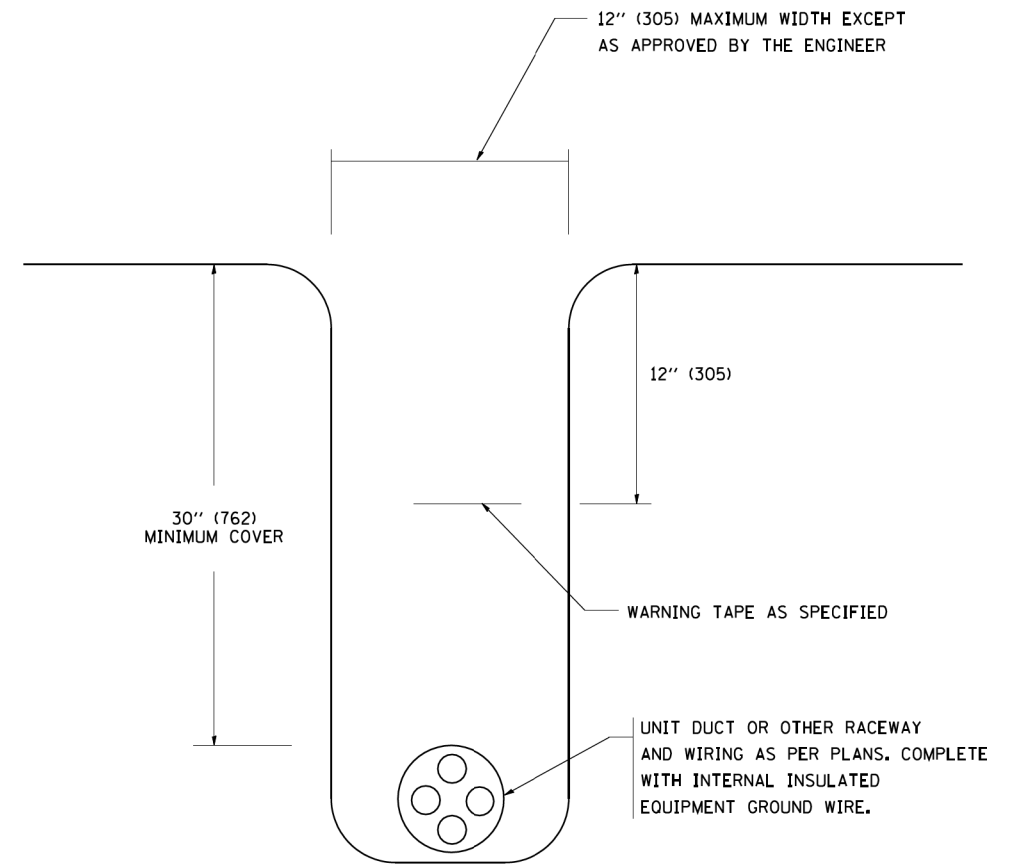
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

FILE NAME = P:\P-12\2613-00 P1B 1B1-13 - IL 137 Bridge\IGN\CADD Sheets\60P96-int-DIST.dwg

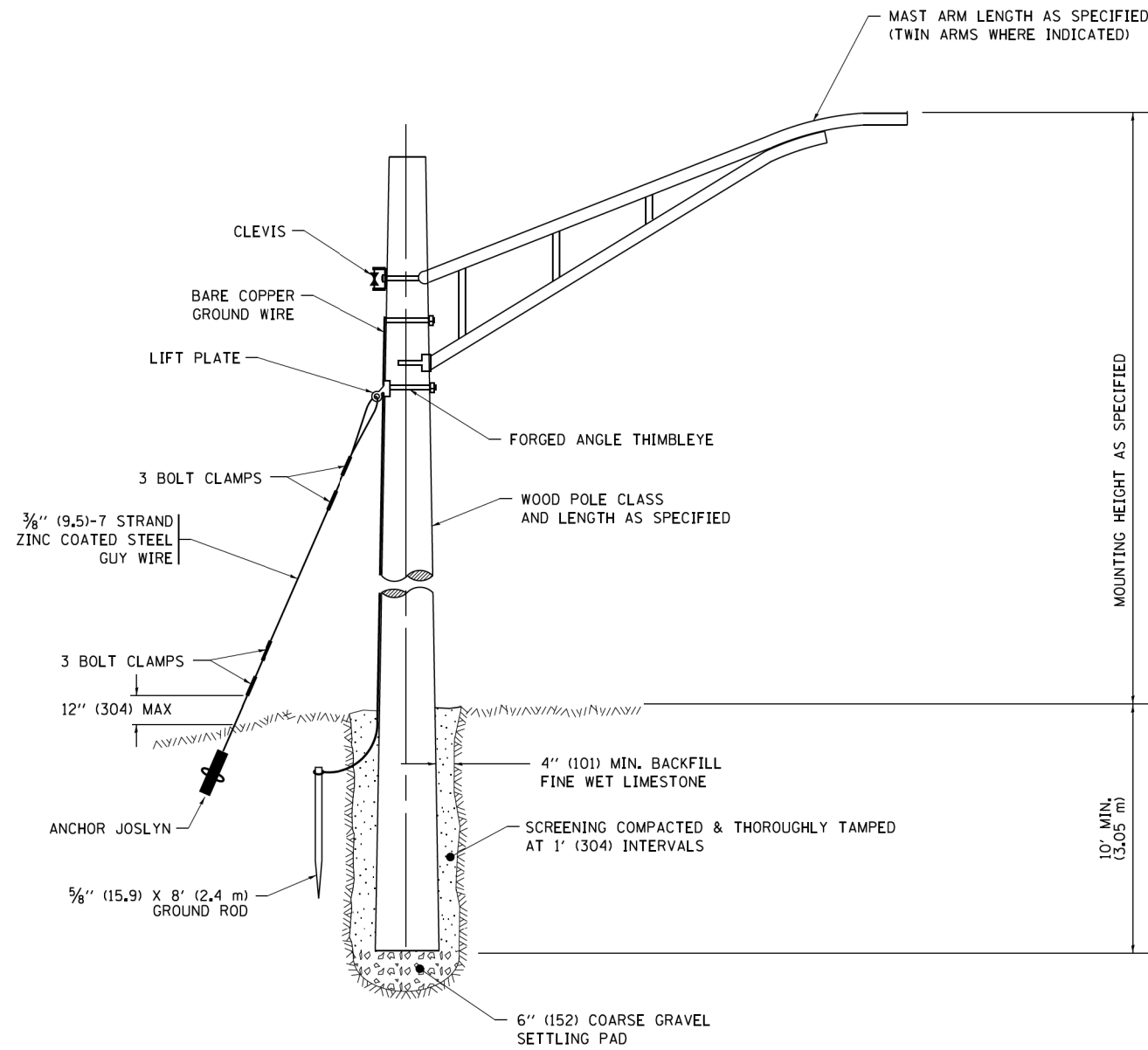
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	DRAWN -	REVISED -
PLOT SCALE = 1"=50'	CHECKED -	REVISED -
PLOT DATE = 5/5/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS
SHEET A**

SCALE: NONE SHEET 17 OF 26 SHEETS STA. TO STA.

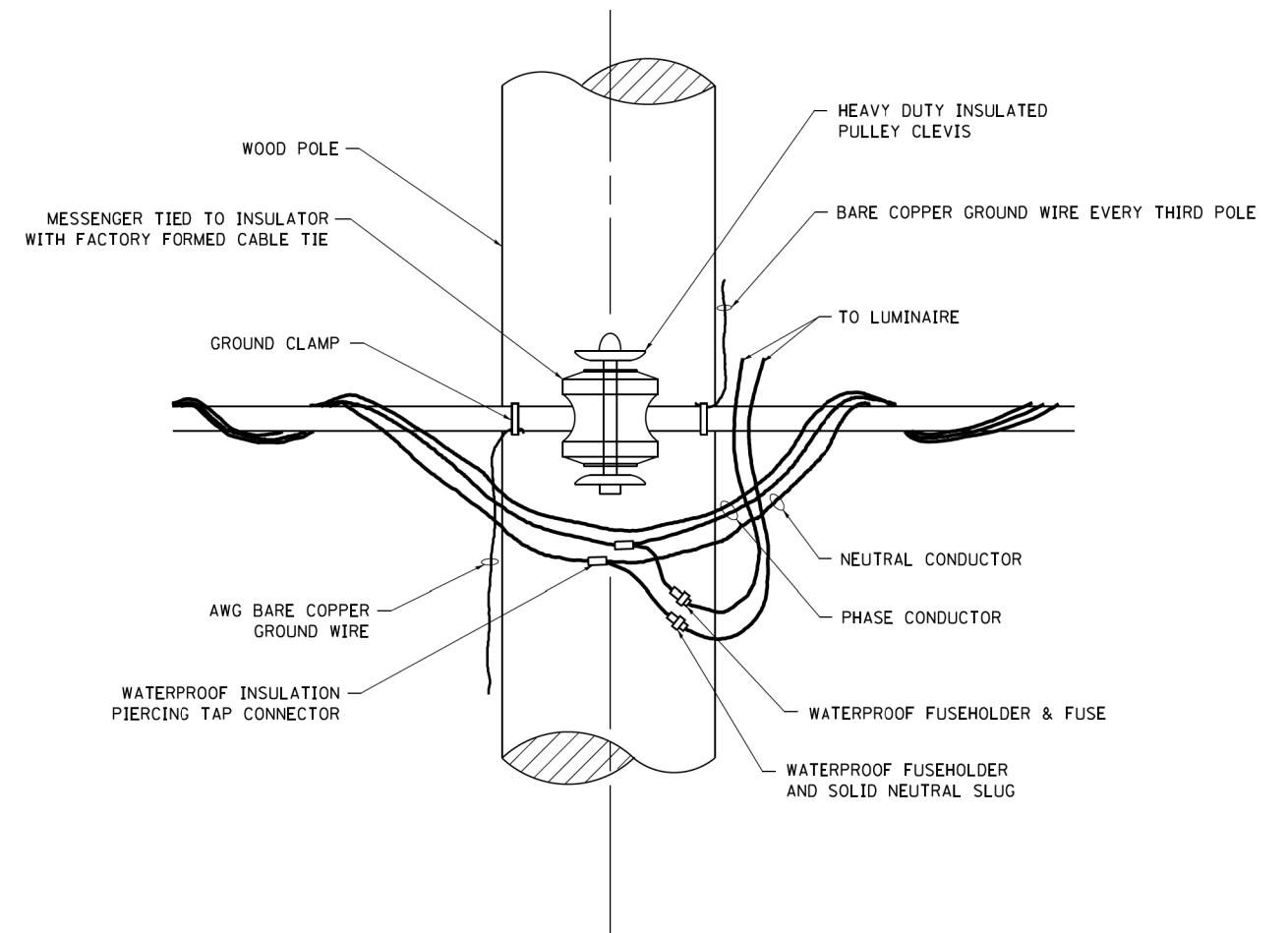
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	82
BE-702			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

NOTE:

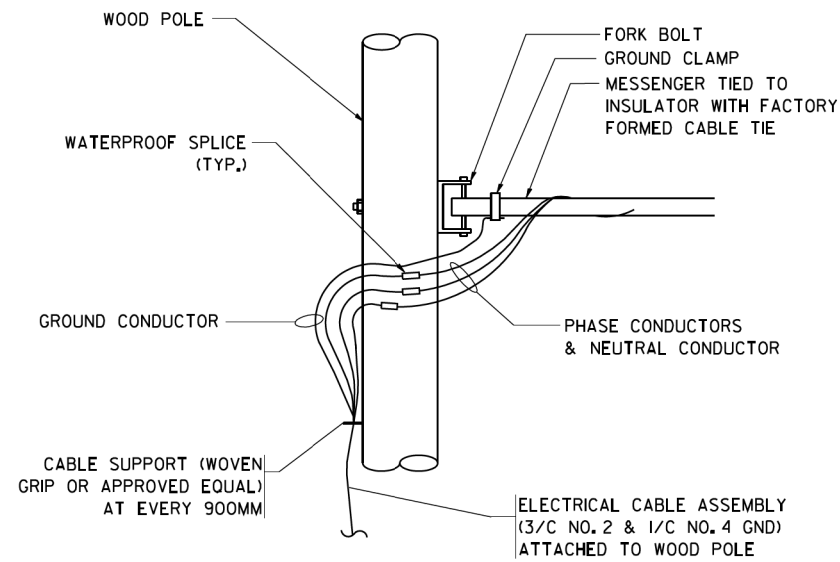
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



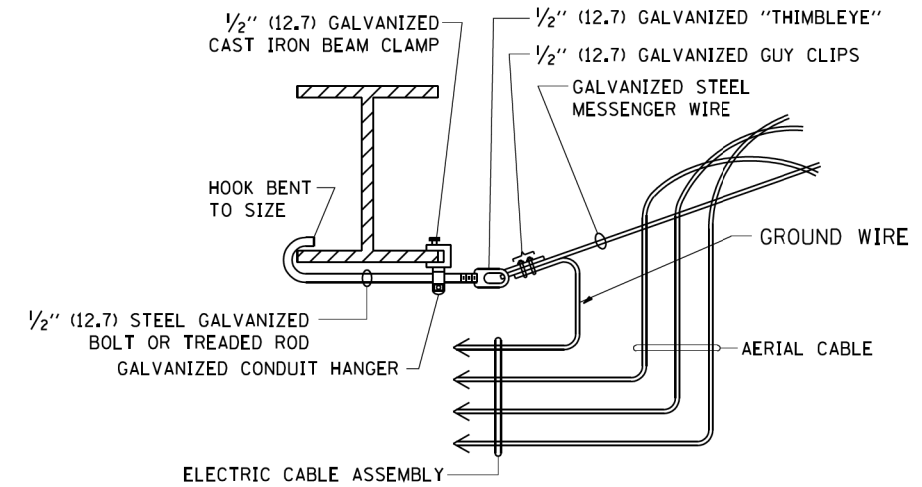
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

FILE NAME = P:\P\12\2613-00 P1B 1B1-13 - IL 137 Bridge\DCN\CAD Sheets\060916-st-DIST.dgn

USER NAME = APatterson	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5-DRAWN\CADDData\CADsheets\be800.dgn	CHECKED -	REVISED - R.T. 07-26-16		352	8HB-BR	LAKE	121	83		
PLOT SCALE = 1"=50'	DATE -	REVISED -		BE-800		CONTRACT NO. 60P96				
PLOT DATE = 5/5/2017	DATE -	REVISED -		SCALE: NONE	SHEET 18 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



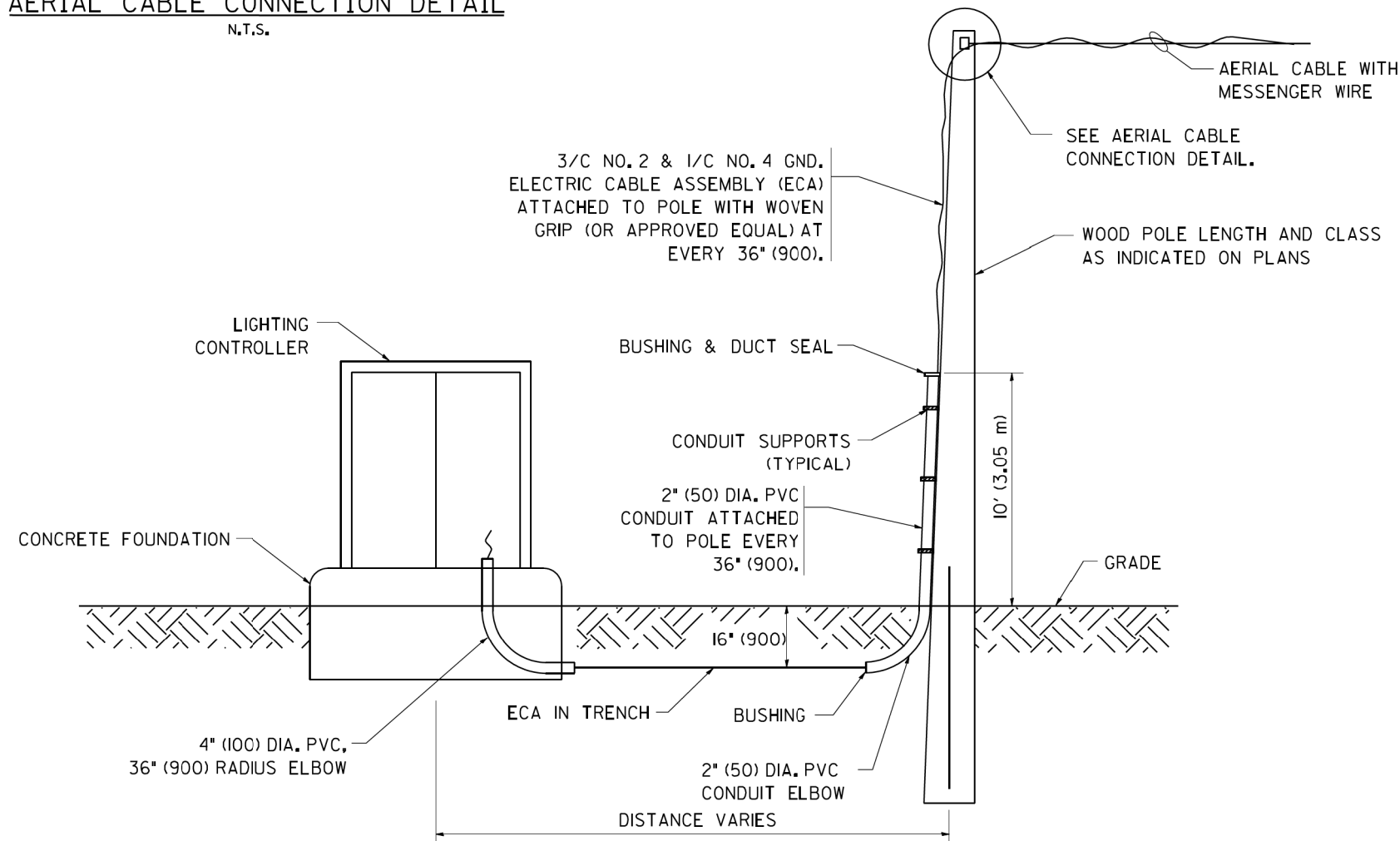
AERIAL CABLE CONNECTION DETAIL
N.T.S.



**AERIAL CABLE
ATTACHED TO STRUCTURE**
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



**WOOD POLE TO LIGHTING CONTROLLER
WIRING CONNECTION DETAIL**
N.T.S.

FILE NAME = P:\P\12\2613-00 P1B 1B1-13 - IL 137 Bridge\DCM\CAD Sheets\06096-sh1-DIST\dtdgr

USER NAME = APatterson	DESIGNED -	REVISED - 08-08-03
PLOT SCALE = 1"=50'	DRAWN -	REVISED -
PLOT DATE = 5/5/2017	CHECKED -	REVISED -
	DATE -	REVISED -

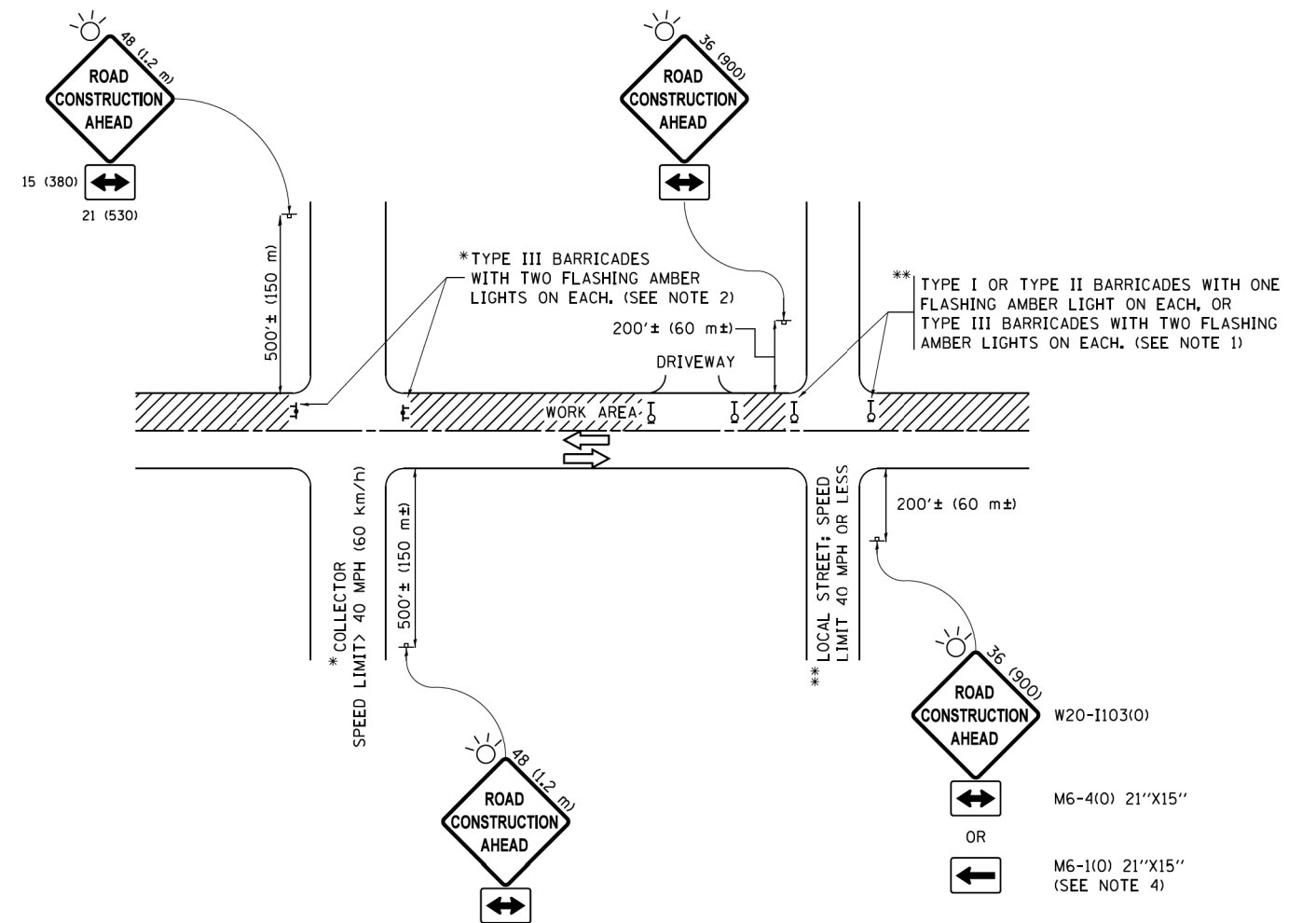
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY AERIAL CABLE INSTALLATION

SCALE: NONE SHEET 19 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	84
BE-801		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\P-12\2613-00 PFB 161-13 - IL 137 Bridge.DGN\CADD Sheets\060916-sh1-DIST.dgn



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

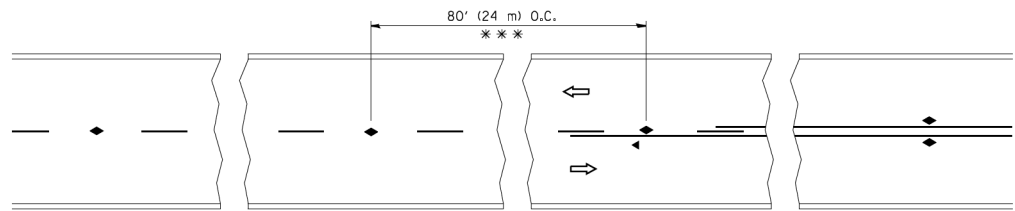
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = APatterson	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
DRAWN - CADDData\CADsheets\ct10.dgn	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 1"=50'	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 5/5/2017		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

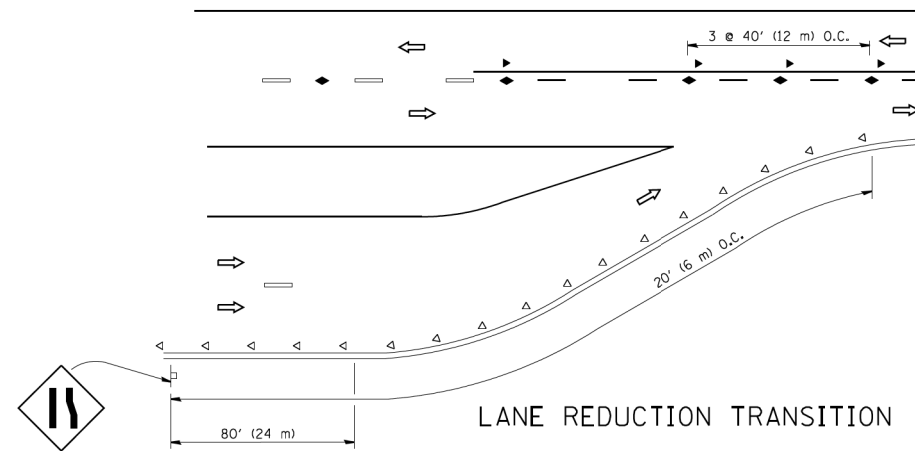
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET 21 OF 26 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	86
TC-10			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

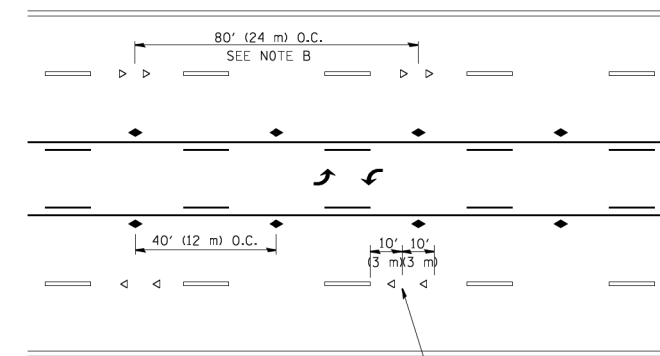


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

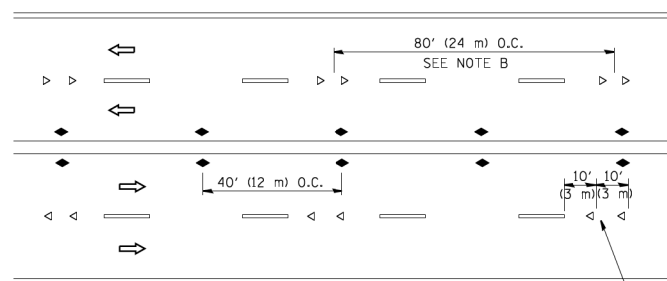
TWO-LANE/TWO-WAY



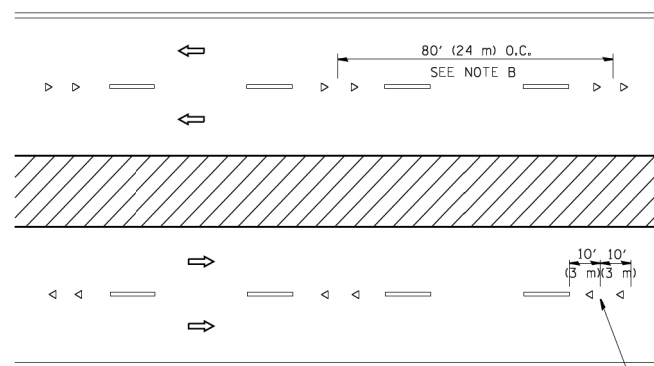
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

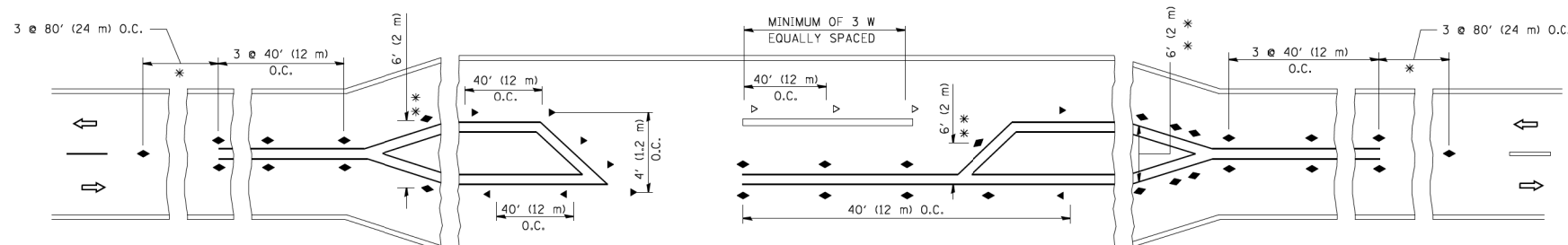
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- < ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

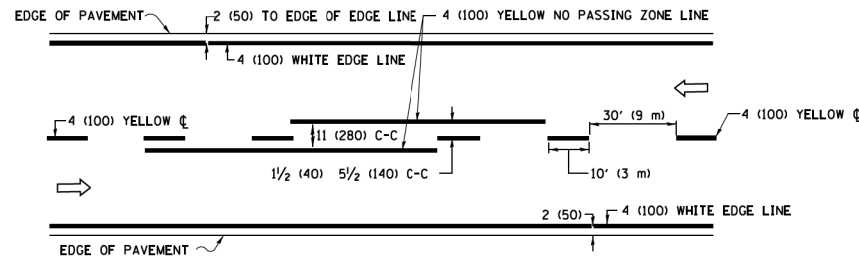
FILE NAME = P:\P\12\2613-00 PFB 161-13 - IL 137 Bridge.DGN\CADD Sheets\06096-shr-DIST\dldgn

USER NAME = APatterson	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
	DRAWN -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 1"=50'	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 5/5/2017	DATE -	REVISED - C. JUCIUS 09-09-09

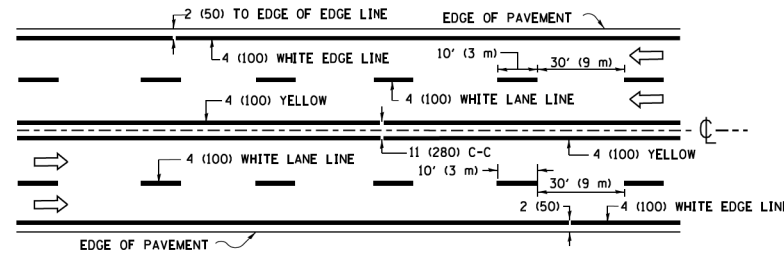
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET 22 OF 26 SHEETS STA. TO STA.

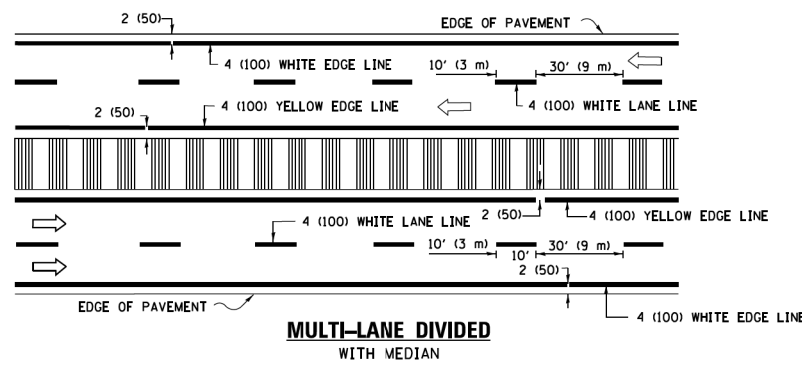
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	87
TC-11			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

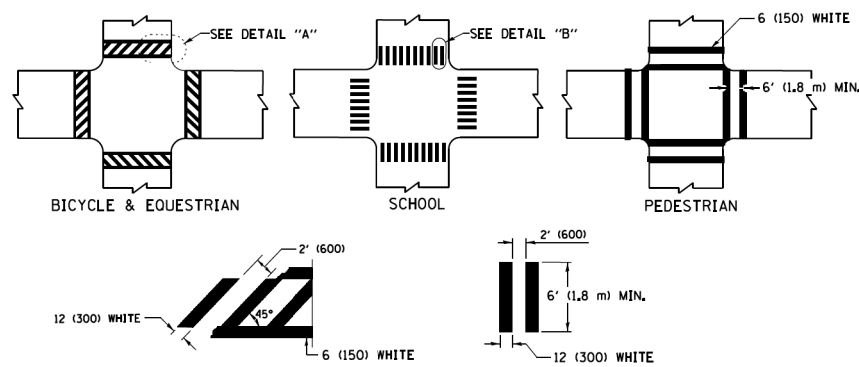


MULTI-LANE UNDIVIDED



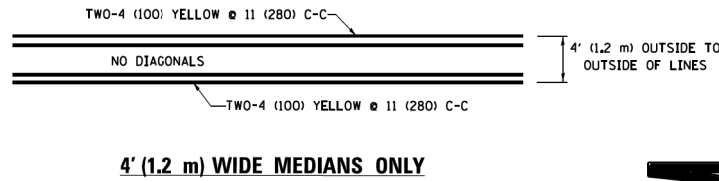
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

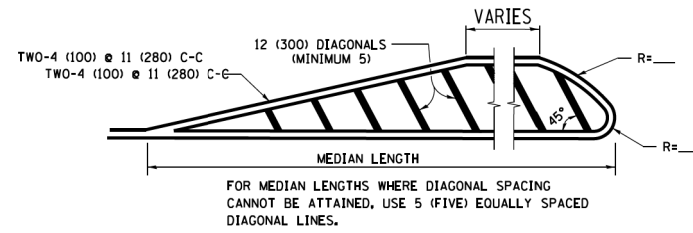


DETAIL "A" TYPICAL CROSSWALK MARKING

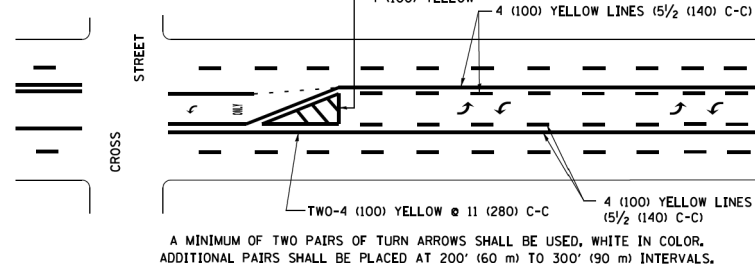
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



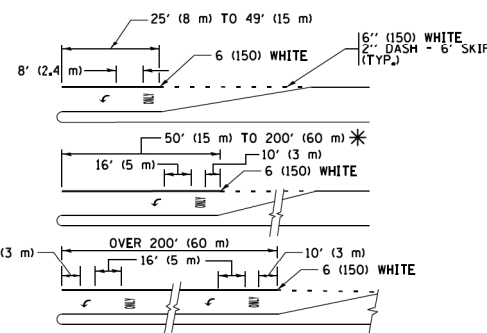
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

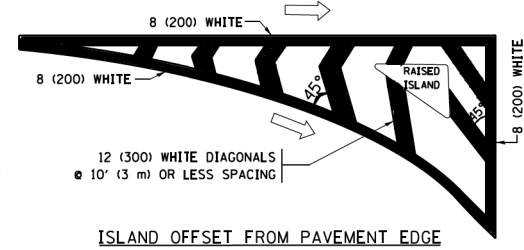


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

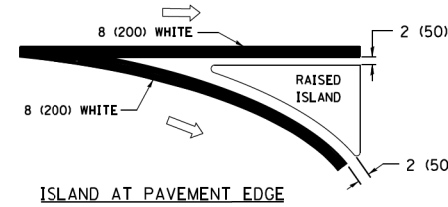


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

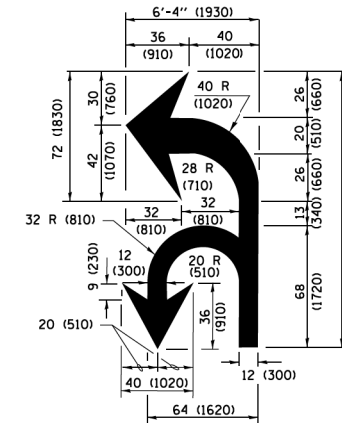


ISLAND OFFSET FROM PAVEMENT EDGE

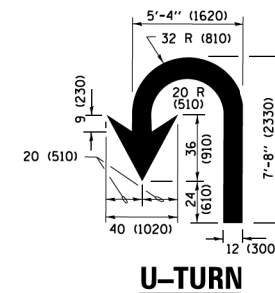


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME = P:\P\12\2513-00 P1B 1B1-13 - IL 137 Br13gn.DGN\CADD Sheets\060916-sh1-DIST.dwg

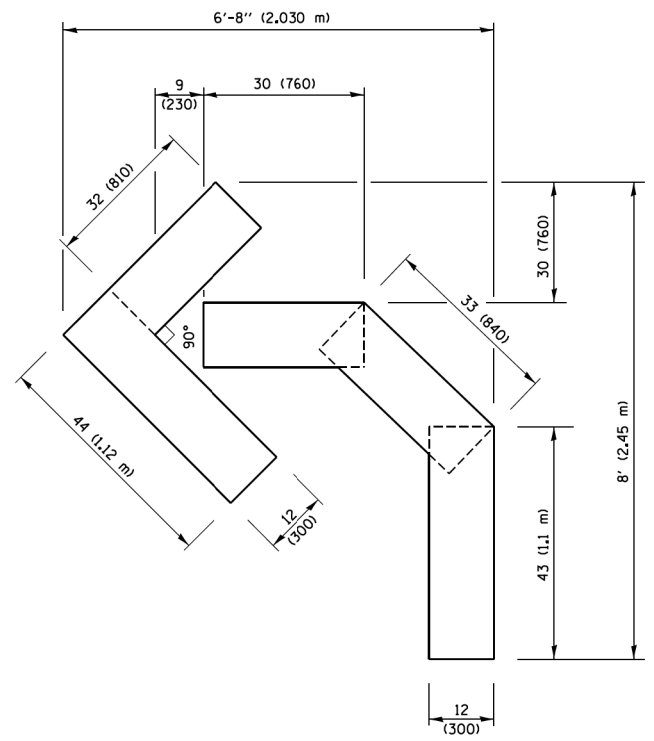
USER NAME = APatterson	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 1"=50'	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 5/5/2017	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

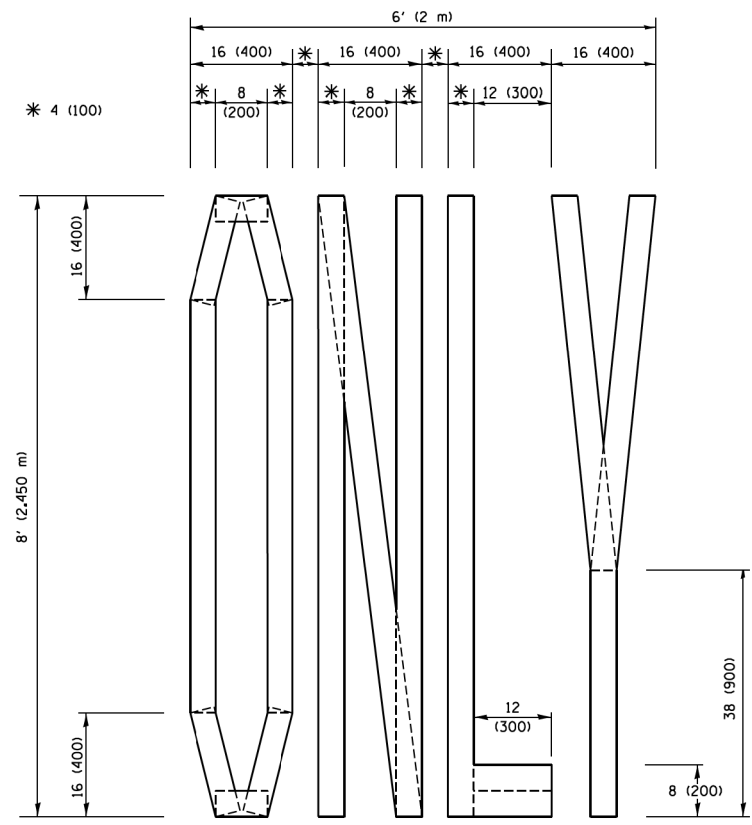
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 23 OF 26 SHEETS STA. TO STA.

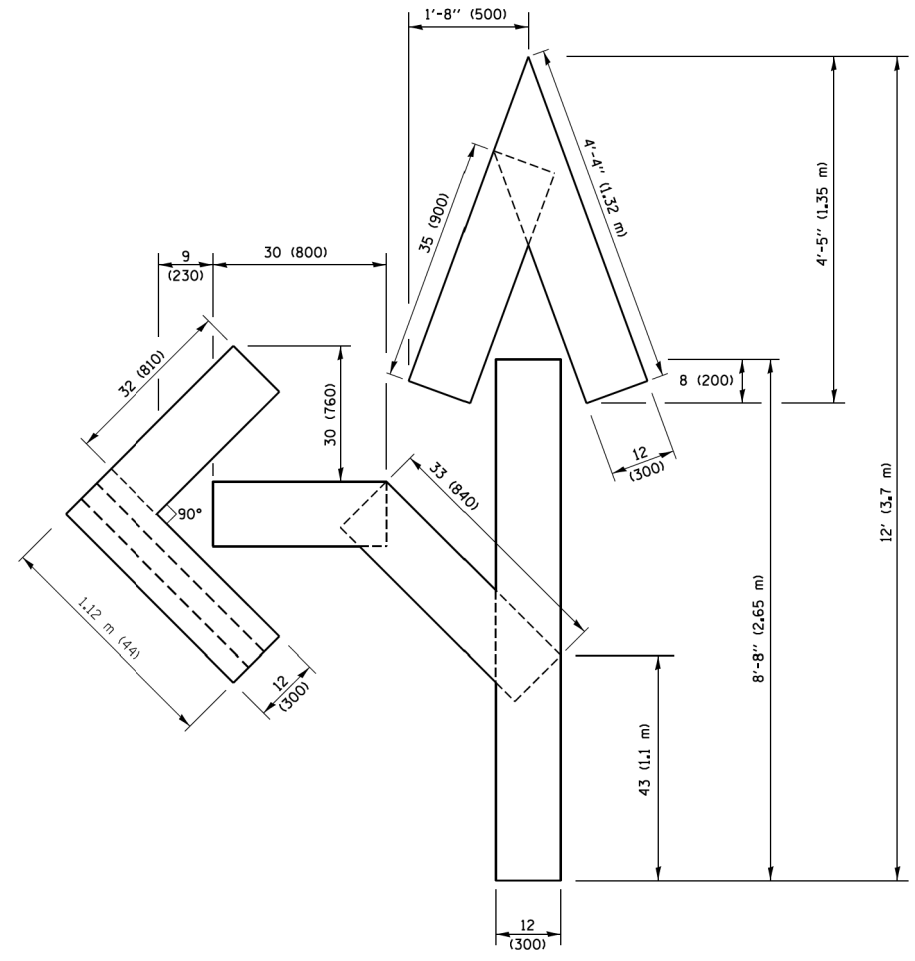
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	88
TC-13		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

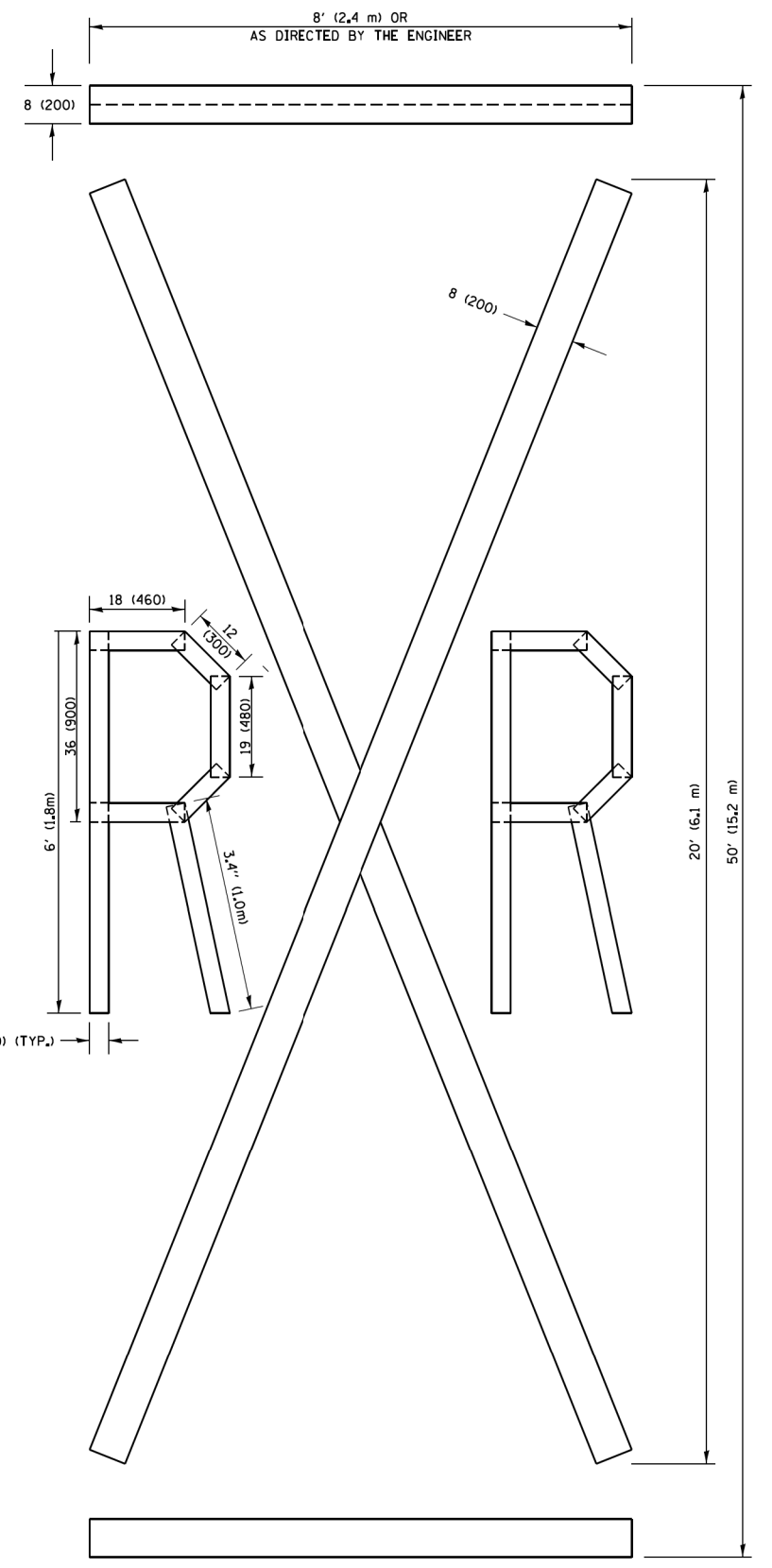


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

FILE NAME = P:\P\12\2613-00 PFB 161-13 - IL 137 Bridge\DMG\CADD Sheets\60996-INT-DIST.dwg

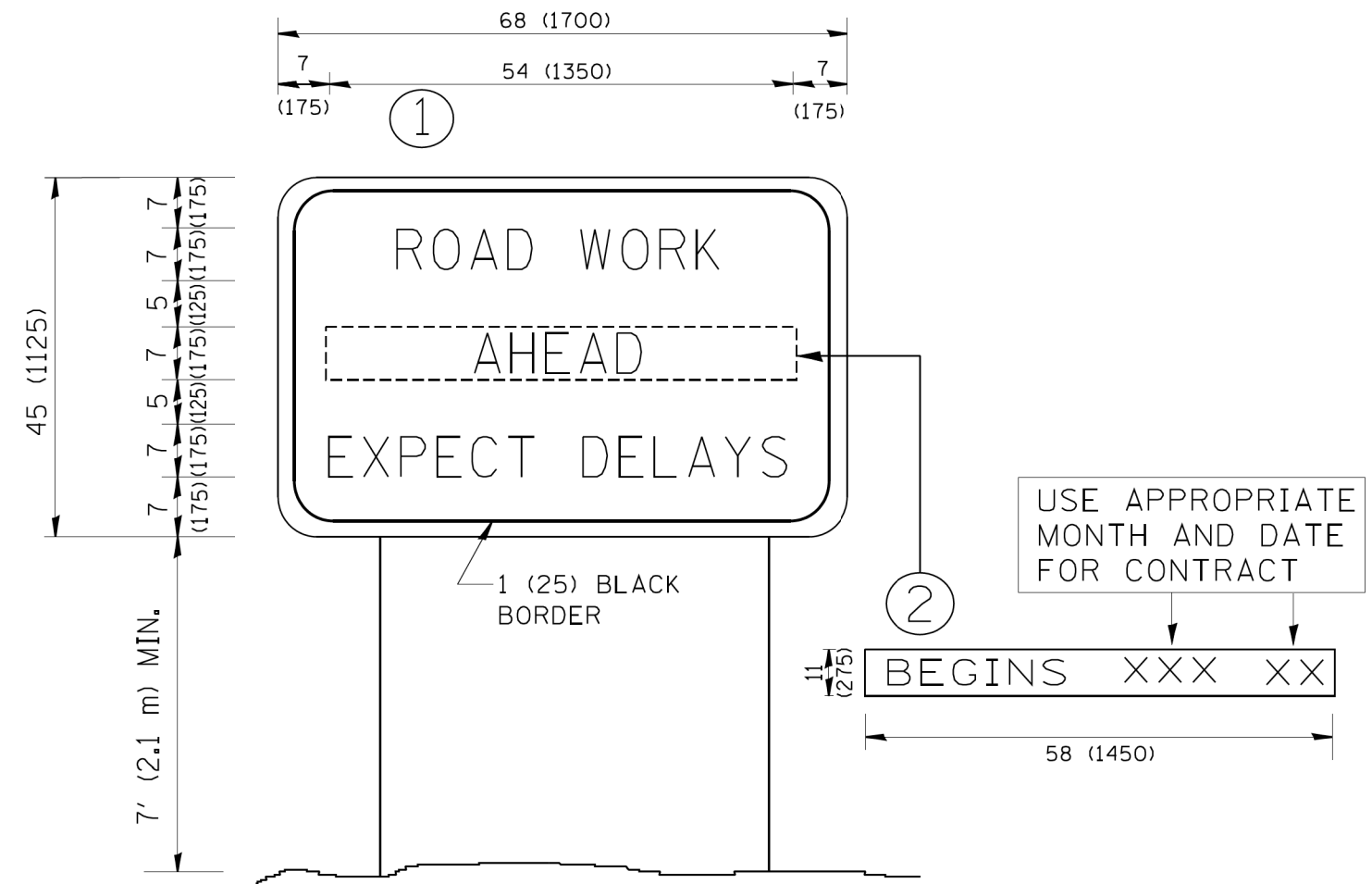
USER NAME = APatterson	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
DRAWN -	REVISOR -E. GOMEZ 08-28-00	REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 1"=50'	CHECKED -	REVISED -E. GOMEZ 08-28-00
PLOT DATE = 5/5/2017	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET 24 OF 26 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	89
TC-16		CONTRACT NO. 60P96		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\P-12\2613-00 PFB 161-13 - IL 137 Bridge\IGN\CADD Sheets\06096-sht-DIST.dwg

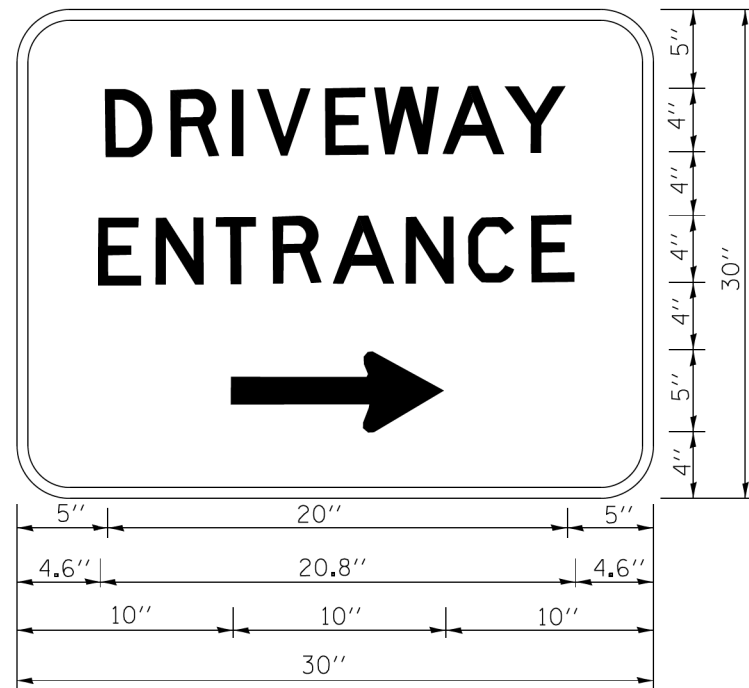


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = APatterson	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 90	
PLOT SCALE = 1"=50'	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET 25 OF 26 SHEETS	STA.	TC-22		CONTRACT NO. 60P96		
PLOT DATE = 5/5/2017	CHECKED -	REVISED - T. RAMMACHER 02-02-99									
	DATE -	REVISED - C. JUCIUS 01-31-07									



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

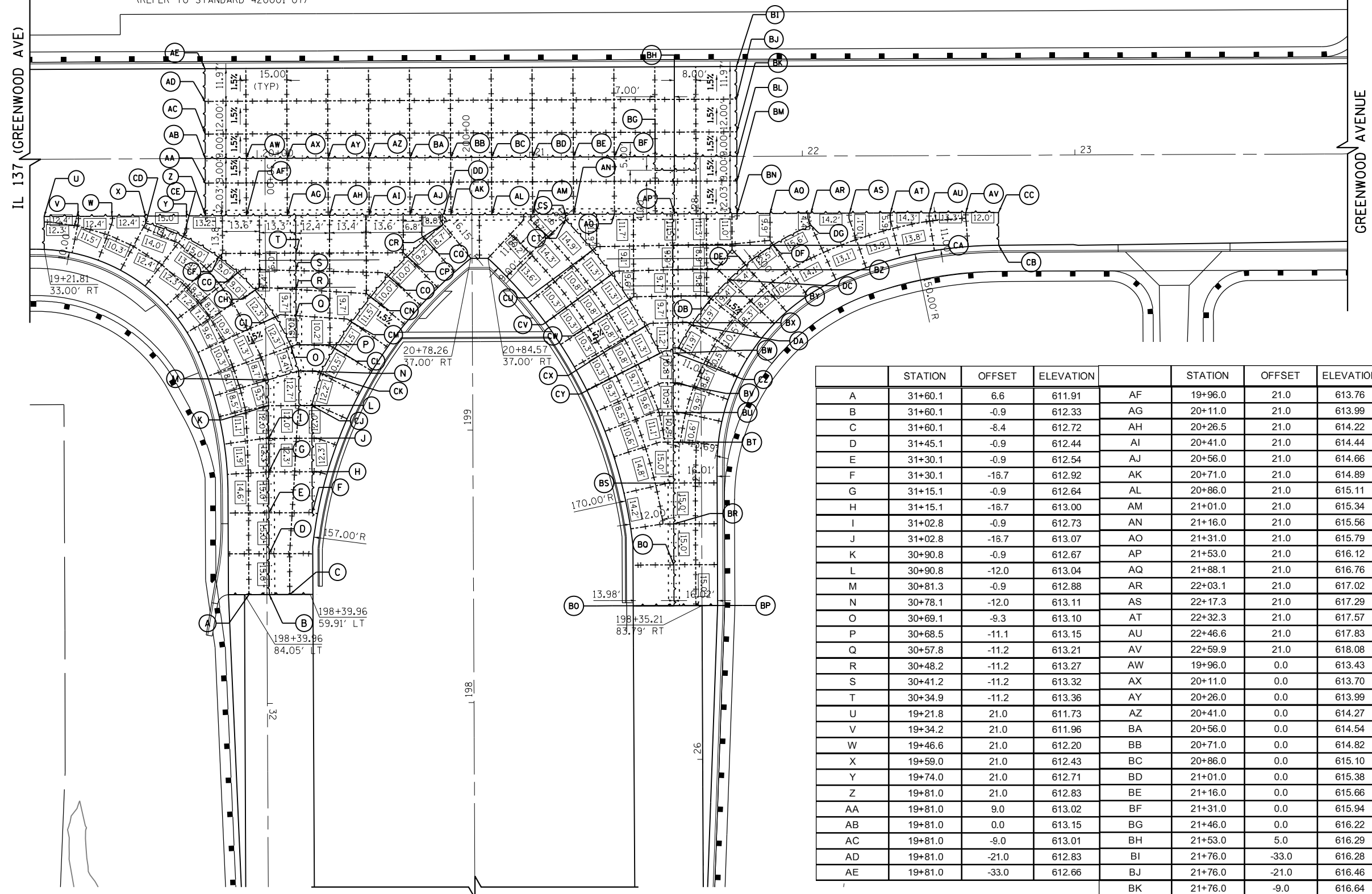
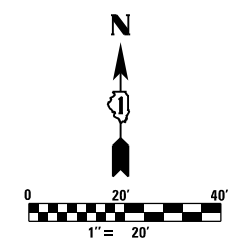
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME = P:\P\12\2613-00 PFB 161-13 - IL 137 Bridge\IGN\CAD Sheets\60P96-int-DIST.dwg

USER NAME = APatterson	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		352	8HB-BR	LAKE	121	91		
PLOT SCALE = 1"=50'	CHECKED -	REVISED -		TC-26		CONTRACT NO. 60P96				
PLOT DATE = 5/5/2017	DATE -	REVISED -		SCALE: NONE	SHEET 26 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

LEGEND

- +---+--- CONSTRUCTION JOINT
LONGITUDINAL CONSTRUCTION JOINT
(REFER TO STANDARD 420001-07)
TRANSVERSE CONSTRUCTION JOINT
(REFER TO STANDARD 420101-04)
- +---+--- SAWED JOINT
LONGITUDINAL SAWED JOINT
(REFER TO STANDARD 420001-07)
TRANSVERSE CONSTRUCTION JOINT
(REFER TO STANDARD 420001-07)
- +---+--- KEYED CONSTRUCTION JOINT WITHOUT BARS
- +---+--- PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD-52)
(PAID FOR AS SLEEPER SLAB)
- XX.X' PAVEMENT PANEL DIMENSION (FT)



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	31+60.1	6.6	611.91	AF	19+96.0	21.0	613.76
B	31+60.1	-0.9	612.33	AG	20+11.0	21.0	613.99
C	31+60.1	-8.4	612.72	AH	20+26.5	21.0	614.22
D	31+45.1	-0.9	612.44	AI	20+41.0	21.0	614.44
E	31+30.1	-0.9	612.54	AJ	20+56.0	21.0	614.66
F	31+30.1	-16.7	612.92	AK	20+71.0	21.0	614.89
G	31+15.1	-0.9	612.64	AL	20+86.0	21.0	615.11
H	31+15.1	-16.7	613.00	AM	21+01.0	21.0	615.34
I	31+02.8	-0.9	612.73	AN	21+16.0	21.0	615.56
J	31+02.8	-16.7	613.07	AO	21+31.0	21.0	615.79
K	30+90.8	-0.9	612.67	AP	21+53.0	21.0	616.12
L	30+90.8	-12.0	613.04	AQ	21+88.1	21.0	616.76
M	30+81.3	-0.9	612.88	AR	22+03.1	21.0	617.02
N	30+78.1	-12.0	613.11	AS	22+17.3	21.0	617.29
O	30+69.1	-9.3	613.10	AT	22+32.3	21.0	617.57
P	30+68.5	-11.1	613.15	AU	22+46.6	21.0	617.83
Q	30+57.8	-11.2	613.21	AV	22+59.9	21.0	618.08
R	30+48.2	-11.2	613.27	AW	19+96.0	0.0	613.43
S	30+41.2	-11.2	613.32	AX	20+11.0	0.0	613.70
T	30+34.9	-11.2	613.36	AY	20+26.0	0.0	613.99
U	19+21.8	21.0	611.73	AZ	20+41.0	0.0	614.27
V	19+34.2	21.0	611.96	BA	20+56.0	0.0	614.54
W	19+46.6	21.0	612.20	BB	20+71.0	0.0	614.82
X	19+59.0	21.0	612.43	BC	20+86.0	0.0	615.10
Y	19+74.0	21.0	612.71	BD	21+01.0	0.0	615.38
Z	19+81.0	21.0	612.83	BE	21+16.0	0.0	615.66
AA	19+81.0	9.0	613.02	BF	21+31.0	0.0	615.94
AB	19+81.0	0.0	613.15	BG	21+46.0	0.0	616.22
AC	19+81.0	-9.0	613.01	BH	21+53.0	5.0	616.29
AD	19+81.0	-21.0	612.83	BI	21+76.0	-33.0	616.28
AE	19+81.0	-33.0	612.66	BJ	21+76.0	-21.0	616.46
				BK	21+76.0	-9.0	616.64
				BL	21+76.0	0.0	616.78

	STATION	OFFSET	ELEVATION
BM	21+76.0	9.0	616.64
BN	21+76.0	21.0	606.46
BO	26+56.4	-10.3	613.24
BP	26+56.4	-2.3	613.02
BQ	26+71.4	-10.3	613.44
BR	26+86.4	-10.3	613.73
BS	27+01.4	-10.3	614.03
BT	27+16.4	-10.3	614.33
BU	27+27.3	-10.3	614.55
BV	27+38.2	-10.3	614.78
BW	27+49.0	-10.2	614.98
BX	27+60.3	-10.2	615.21
BY	27+70.0	-10.2	615.40
BZ	27+79.7	-10.2	615.59
CA	27+88.7	-10.2	615.77
CB	27+88.1	109.40	618.23
CC	22+71.9	21.00	618.30
CD	30+23.6	43.9	612.45
CE	30+28.6	30.1	612.58
CF	30+36.2	17.2	612.72
CG	30+41.9	10.2	612.80
CH	30+48.4	3.9	612.88
CI	30+58.2	-3.5	612.99
CJ	30+90.8	-16.7	612.79
CK	30+79.0	-20.0	613.08
CL	30+69.9	-25.2	613.33
CM	30+60.3	-31.6	613.60
CN	30+51.1	-38.5	613.87
CO	30+43.5	-45.1	614.10
CP	30+36.3	-52.0	614.34
CQ	30+30.1	-58.7	614.56
CR	30+24.5	-65.4	614.76
CS	21+13.0	21.0	615.52
CU	27+87.0	-39.6	615.37
CV	27+78.0	-32.6	615.27
CW	27+68.7	-26.2	615.18
CX	27+59.0	-20.4	615.08
CY	27+49.0	-15.1	614.98
CZ	27+49.0	-9.2	615.18
DA	27+59.4	-3.3	615.47
DB	27+68.9	3.8	615.77
DC	27+75.9	10.3	616.00
DD	20+68.3	21.0	614.85
DE	27+81.4	16.5	616.23
DF	27+88.6	26.7	616.52
DG	27+95.7	40.6	616.91

IL 137 (AMSTUTZ EXPY)

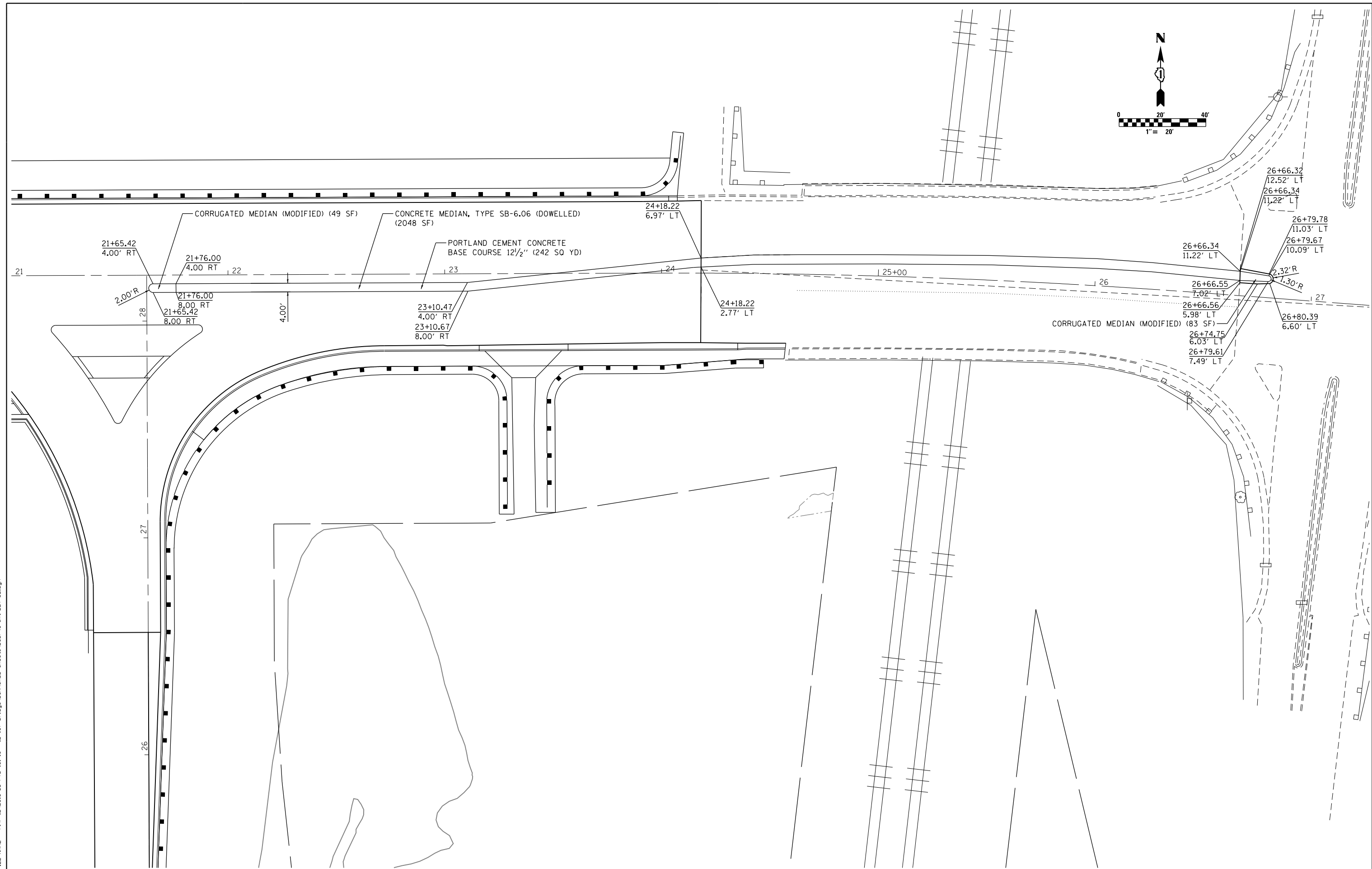
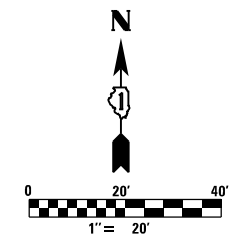
USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=20'	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION PAVING DETAILS

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	92
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DCN\CADD Sheets\060816g-sh1-DET-02.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

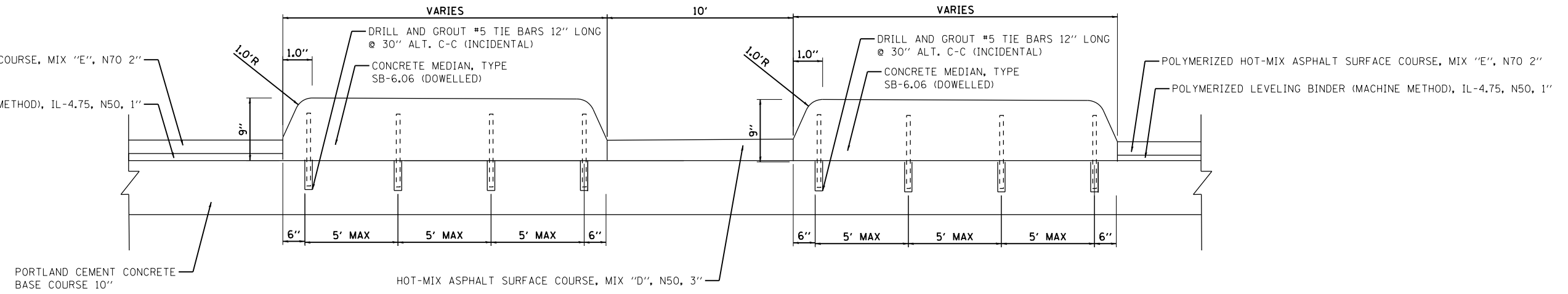
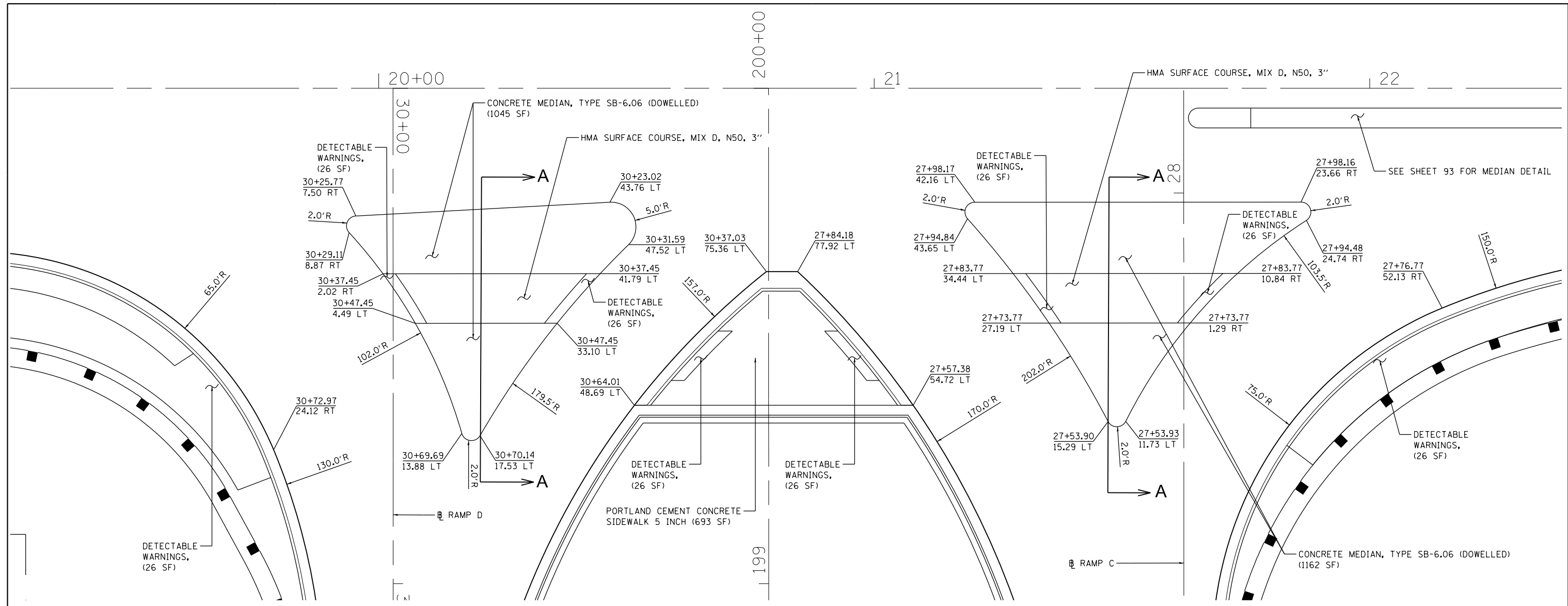
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MEDIAN DETAILS

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	93
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\DCN\CADD Sheets\060916\sh-t-DET-03.dgn



SECTION A-A

CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATION.

*5 BARS SHALL BE PLACED 5' MAX, 2' MIN @ 30" ROWS FROM NORTH EDGE TO SOUTH EDGE FOR MEDIAN WIDTH LESS THAN 4' USE ONE ROW OF #5 BARS @ 30" ALONG C-C ALONG THE MEDIAN CENTERLINE TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB "DOWELLED"

NOTE:
THE CONTRACTOR SHALL PROVIDE JOINTS IN THE DOWELED MEDIAN THAT MATCH THE TYPE AND LOCATION OF JOINTS IN THE PCC BASE COURSE.

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=10'	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

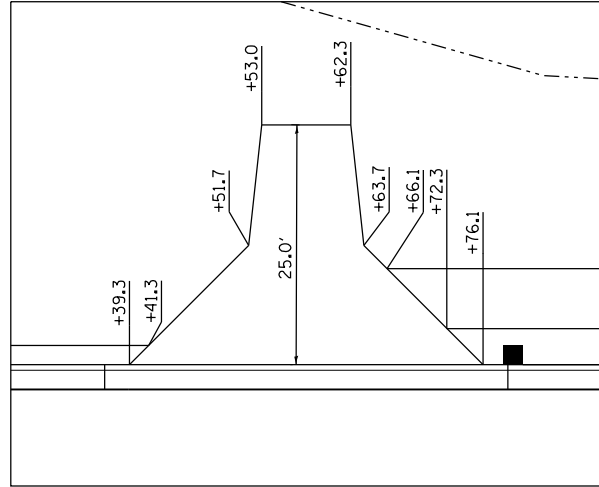
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MEDIAN DETAILS

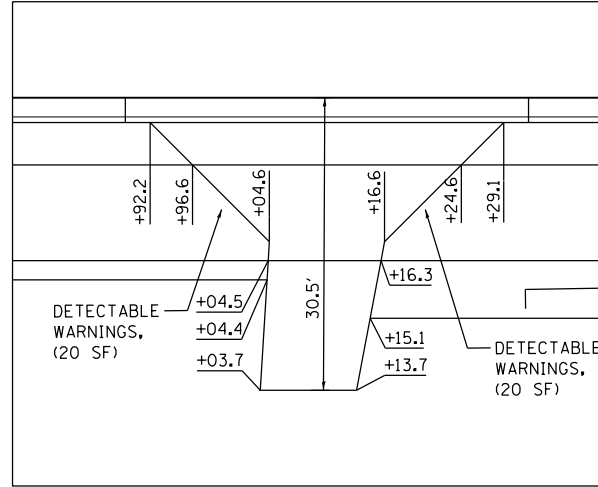
SCALE: 1"=10' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	94
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

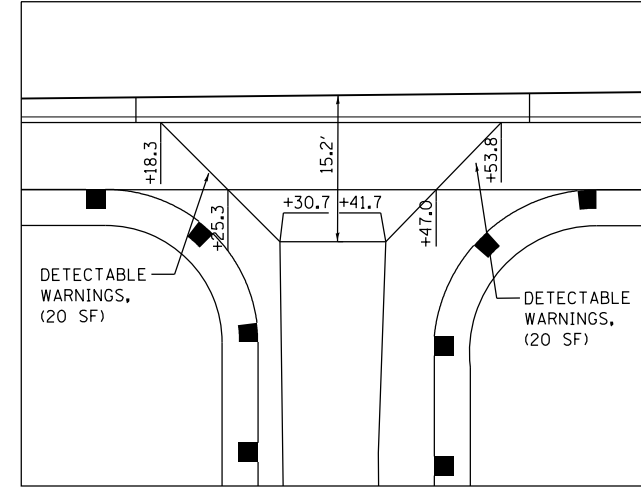
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DRIVEWAY DETAIL
IL 137 (GREENWOOD AVE)
STA 17+58 LT



DRIVEWAY DETAIL
IL 137 (GREENWOOD AVE)
STA 18+09 RT



DRIVEWAY DETAIL
IL 137 (GREENWOOD AVE)
STA 23+36 RT

NOTES:

1. PROPOSED DRIVEWAYS SHALL BE CONSTRUCTED WITH DISTRICT 1 DETAIL BD-01.
2. ALL SIDEWALK RAMPS SHALL BE ADA COMPLIANT AND CONSTRUCTED WITH IDOT HIGHWAY STANDARD 424026.

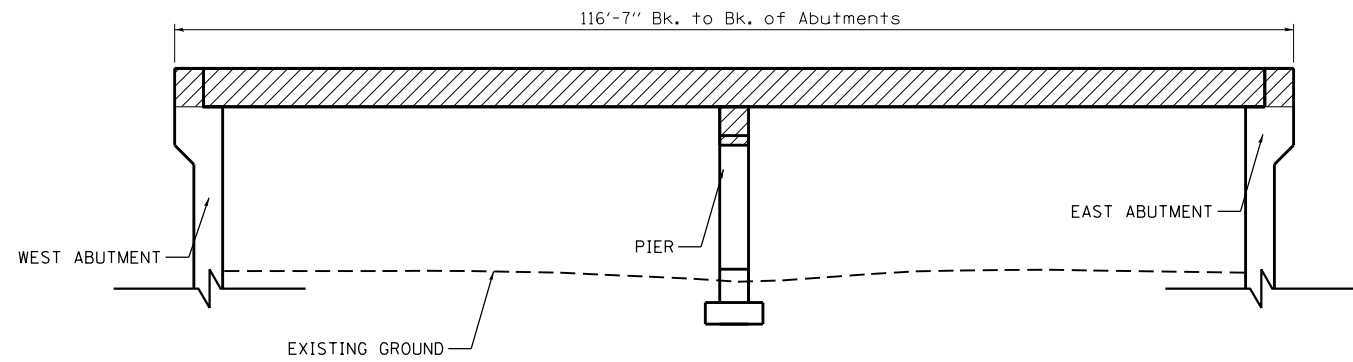
USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=10'	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS

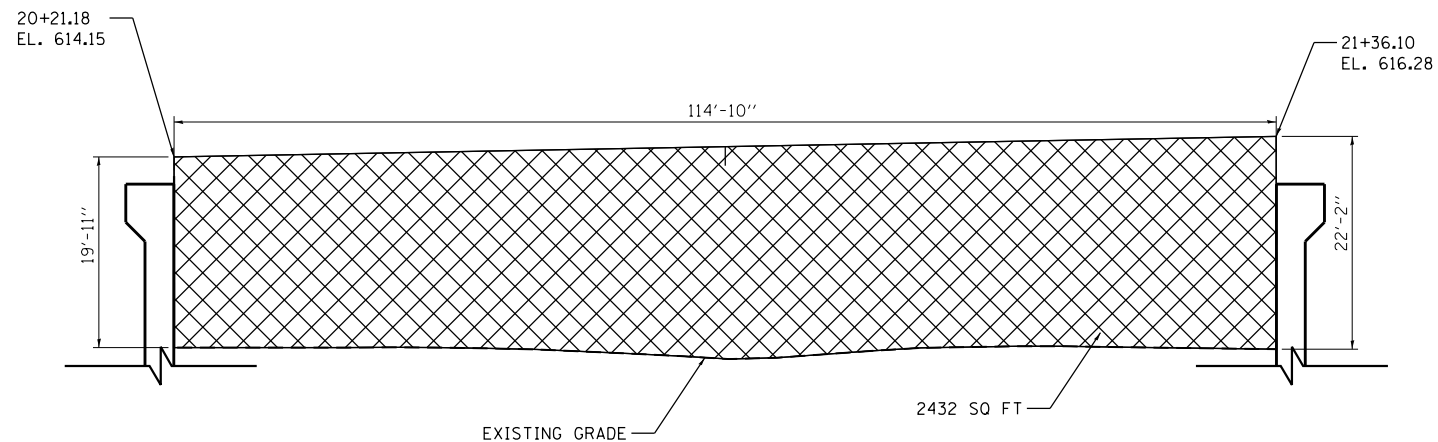
SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	95
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



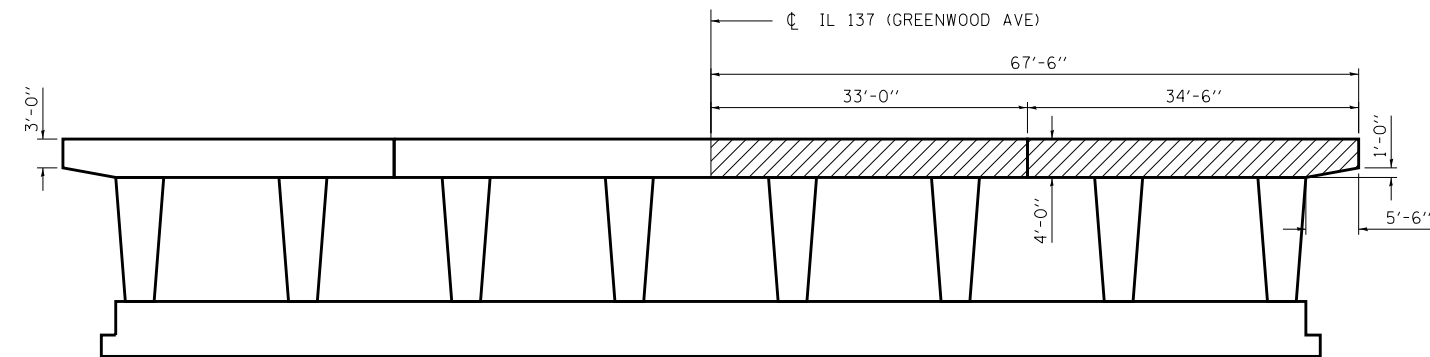
EXISTING BRIDGE ELEVATION

(LOOKING NORTH)



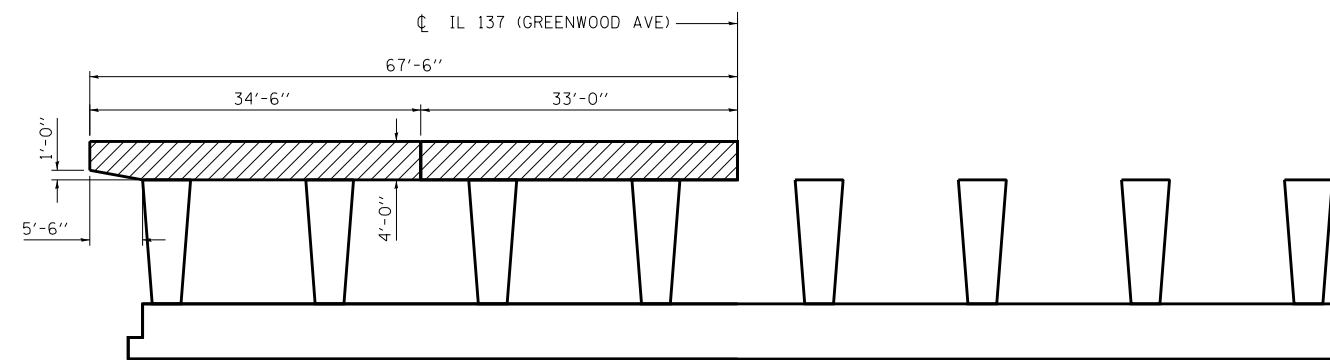
TYPICAL TEMPORARY SOIL RETENTION SYSTEM FOR PIER REMOVAL

(LOOKING NORTH)



STAGE 2 PARTIAL PIER REMOVAL

(LOOKING EAST)



STAGE 3 PARTIAL PIER REMOVAL

(LOOKING EAST)

NOTES:



EXISTING STRUCTURE TO BE REMOVED



TEMPORARY SOIL RETENTION SYSTEM

NOTES:

1. THE INFORMATION SHOWN FOR THE TEMPORARY SOIL RETENTION SYSTEM IS ESTIMATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DESIGN AND DETAILS FOR EACH TEMPORARY SOIL RETENTION SYSTEM, COMPLETE WITH CALCULATIONS AND DRAWINGS, SIGNED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER, FOR THE RE'S REVIEW AND ACCEPTANCE BEFORE STARTING WORK.

FILE NAME = P:\P-12\2513-00 P1B 161-13 - IL 137 Bridge\DDN\CADD Sheets\060816\9-shr-DET-05.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = NTS	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

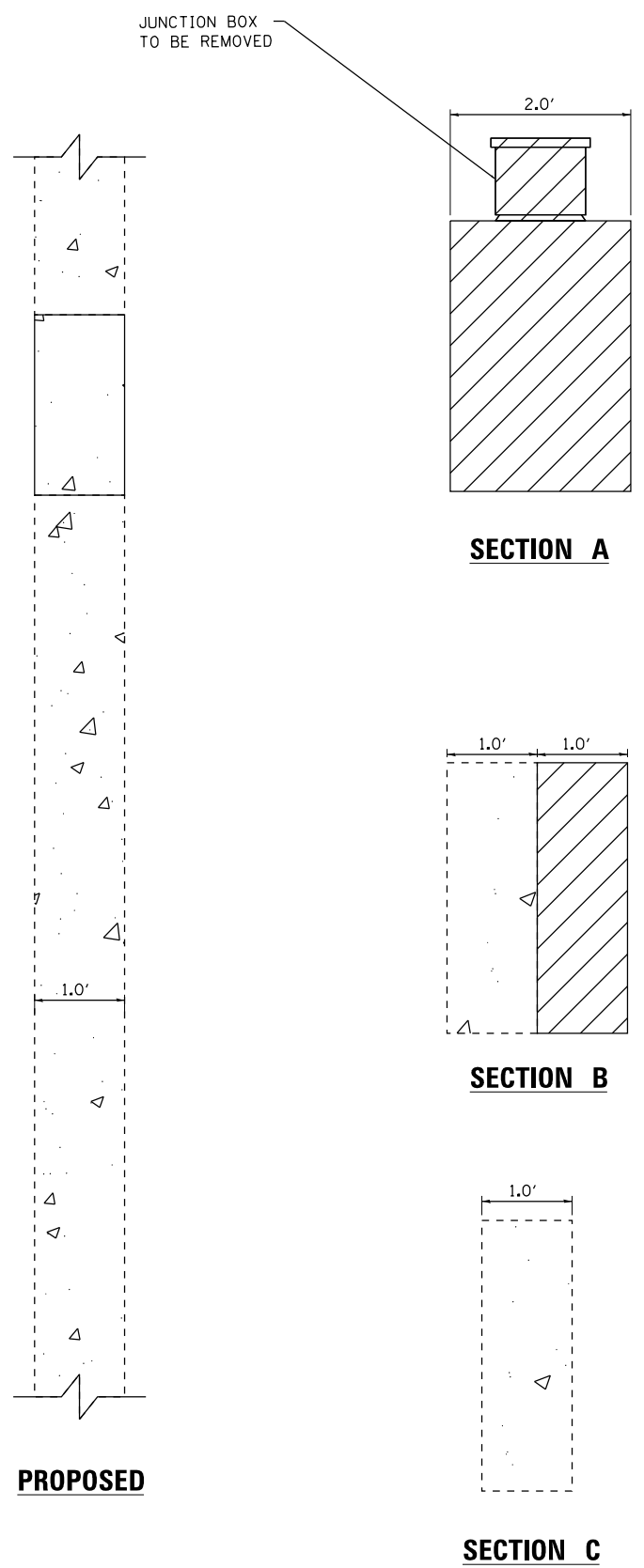
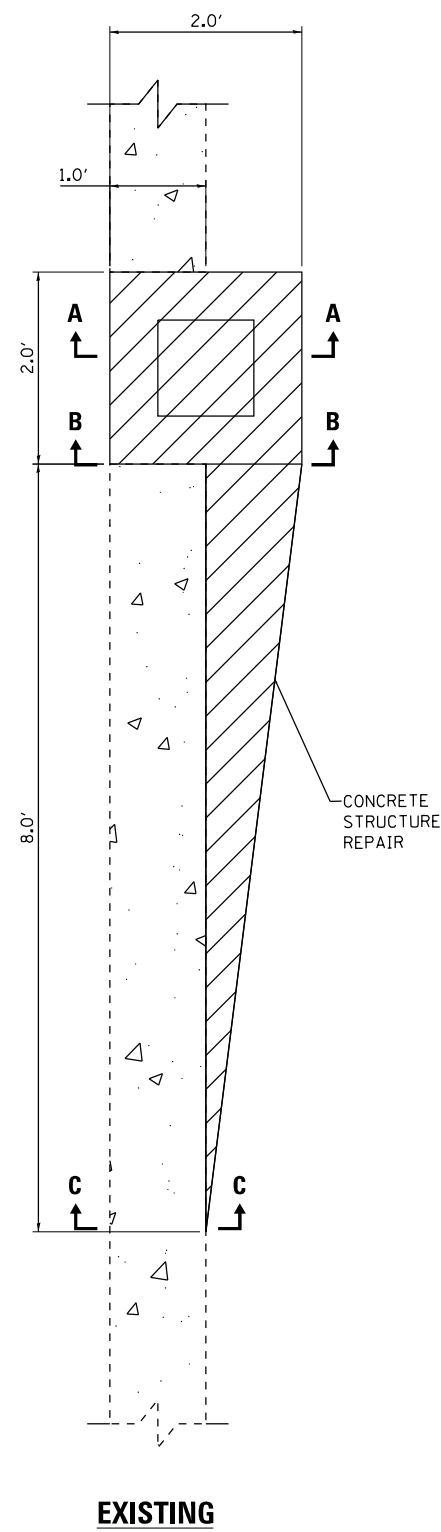
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL DETAILS AND
TEMPORARY SOIL RETENTION**

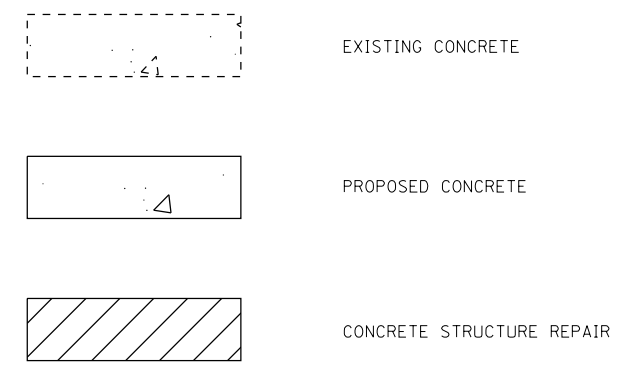
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	96
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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LEGEND



NOTES:

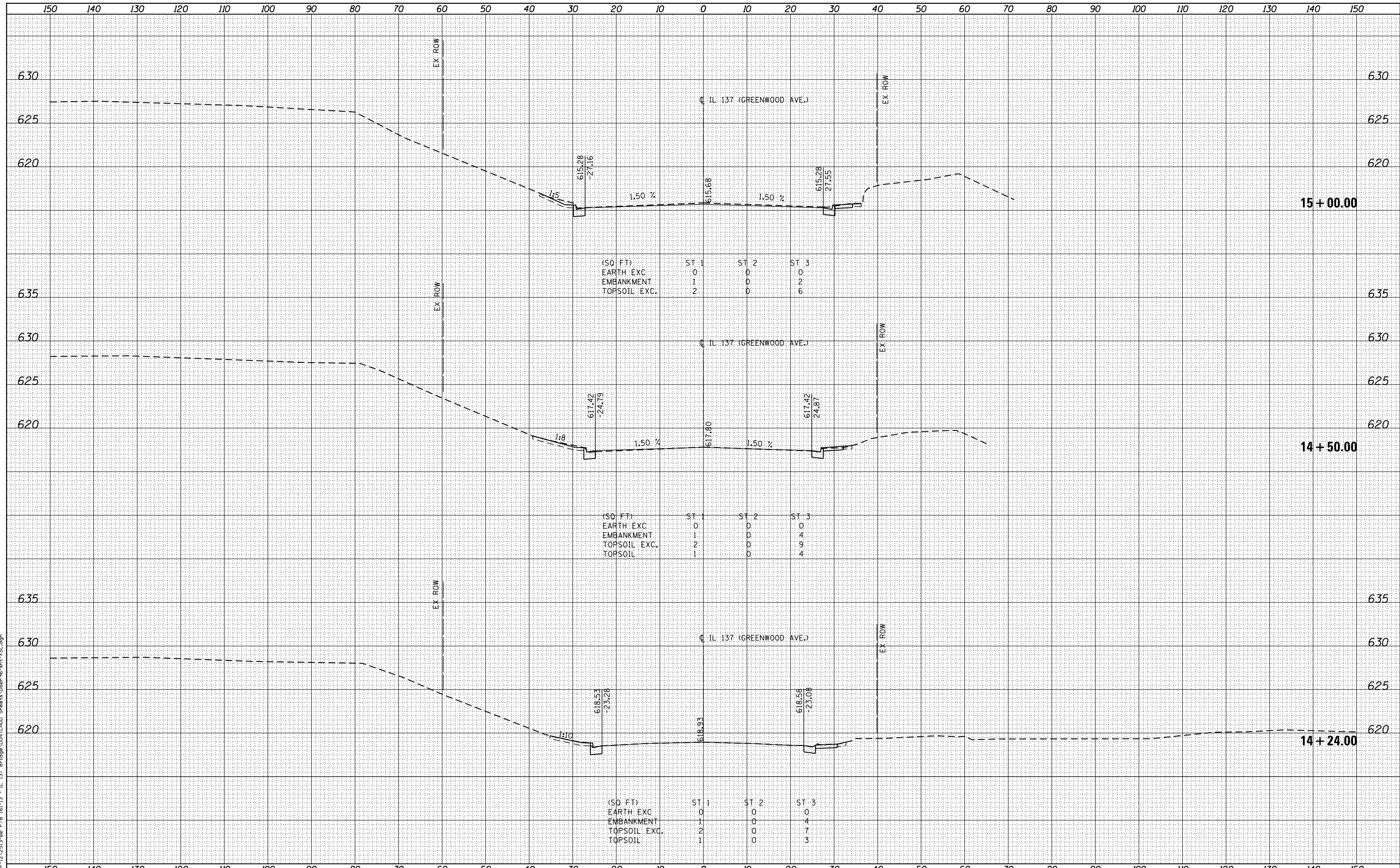
1. CONTRACTOR SHALL REMOVE CONCRETE SECTION AS SHOWN ON EXISTING DETAIL.
2. CONTRACTOR SHALL RESTORE PARAPET WALL TO THE CONDITION SHOWN ON PROPOSED DETAIL.
3. CONTRACTOR SHALL REMOVE EXISTING LIGHT BOX AND ALL ELECTRICAL CONDUITS ASSOCIATED WITH IT.

USER NAME = APatterson	DESIGNED - AGL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE STRUCTURE REPAIR DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = NTS	DRAWN - AGL	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.	352	8HB-BR	LAKE	121	97
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -					CONTRACT NO. 60P96				
	DATE - 03/15/2017	REVISED -		<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>							

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

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

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 137 Bridge\WORK\1200\Sheet14\609916.dwg



(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	1	0	2
TOPSOIL EXC.	2	0	6

(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	1	0	4
TOPSOIL EXC.	2	0	9
TOPSOIL	1	0	4

(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	1	0	4
TOPSOIL EXC.	2	0	7
TOPSOIL	1	0	3

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

SCALE: 1"=5'H=10'V SHEET 1 OF 23 SHEETS STA. 14+24.00 TO STA. 15+00.00

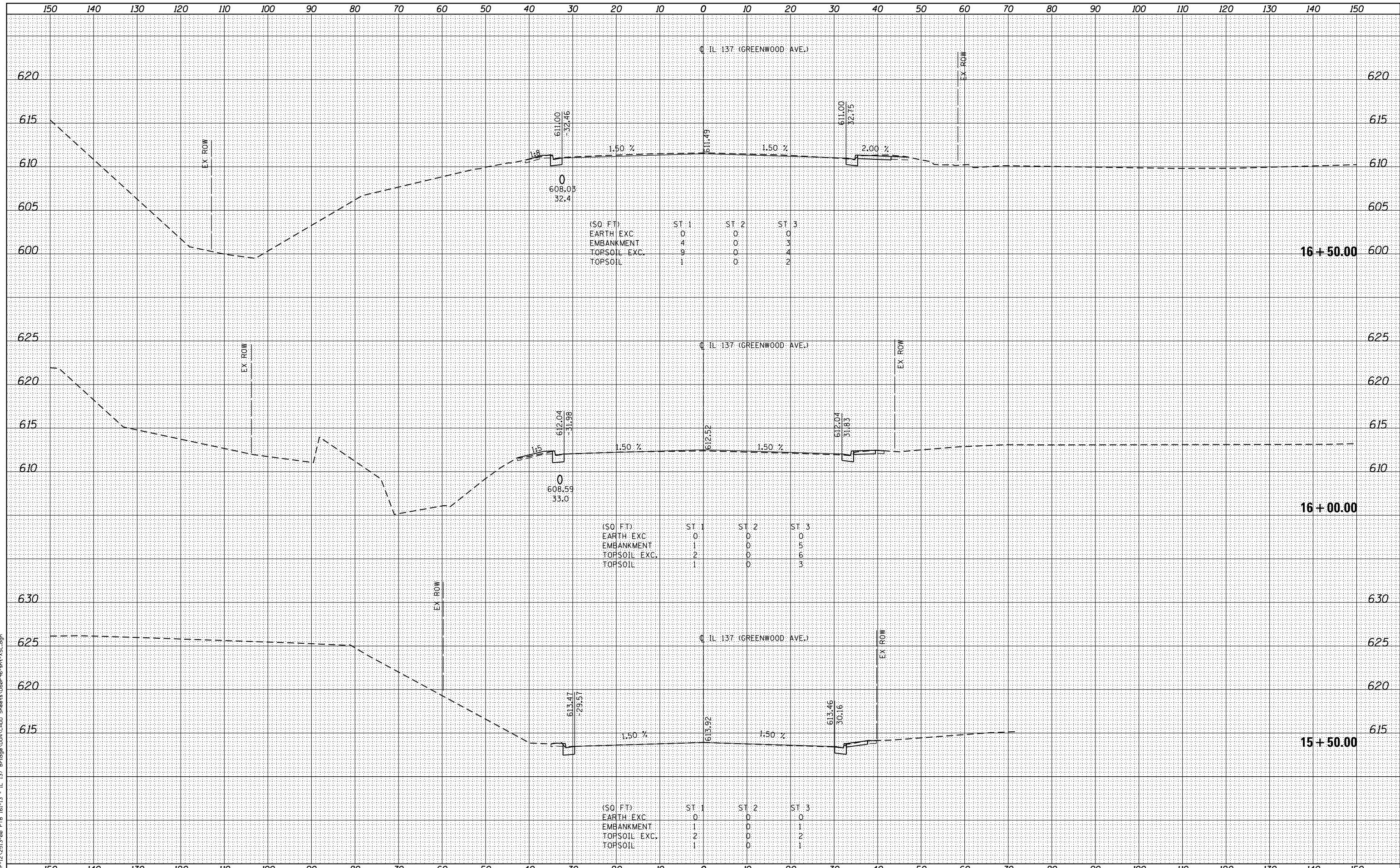
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	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	99
			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 37 Bridge\WORK\2010\Sheet15\60916.dwg



(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	4	0	3
TOPSOIL EXC.	9	4	4
TOPSOIL	1	0	2

(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	1	0	5
TOPSOIL EXC.	2	0	6
TOPSOIL	1	0	3

(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	1	0	1
TOPSOIL EXC.	2	0	2
TOPSOIL	1	0	1

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

SCALE: 1"=5'H=10'V SHEET 2 OF 23 SHEETS STA. 15+50.00 TO STA. 16+50.00

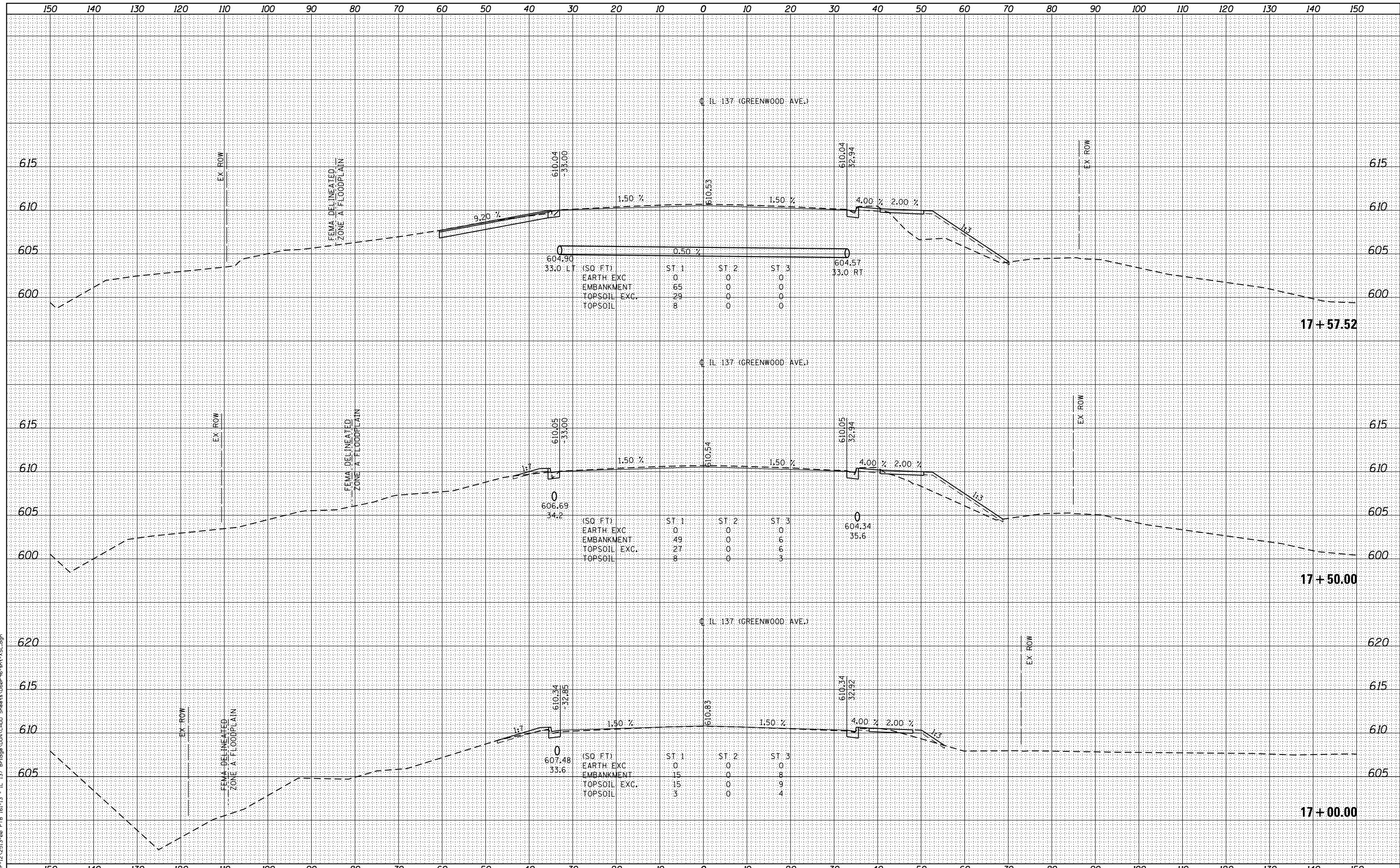
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	100
			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

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

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

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\WORK\13001 Sheet 13\1609016.dwg



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

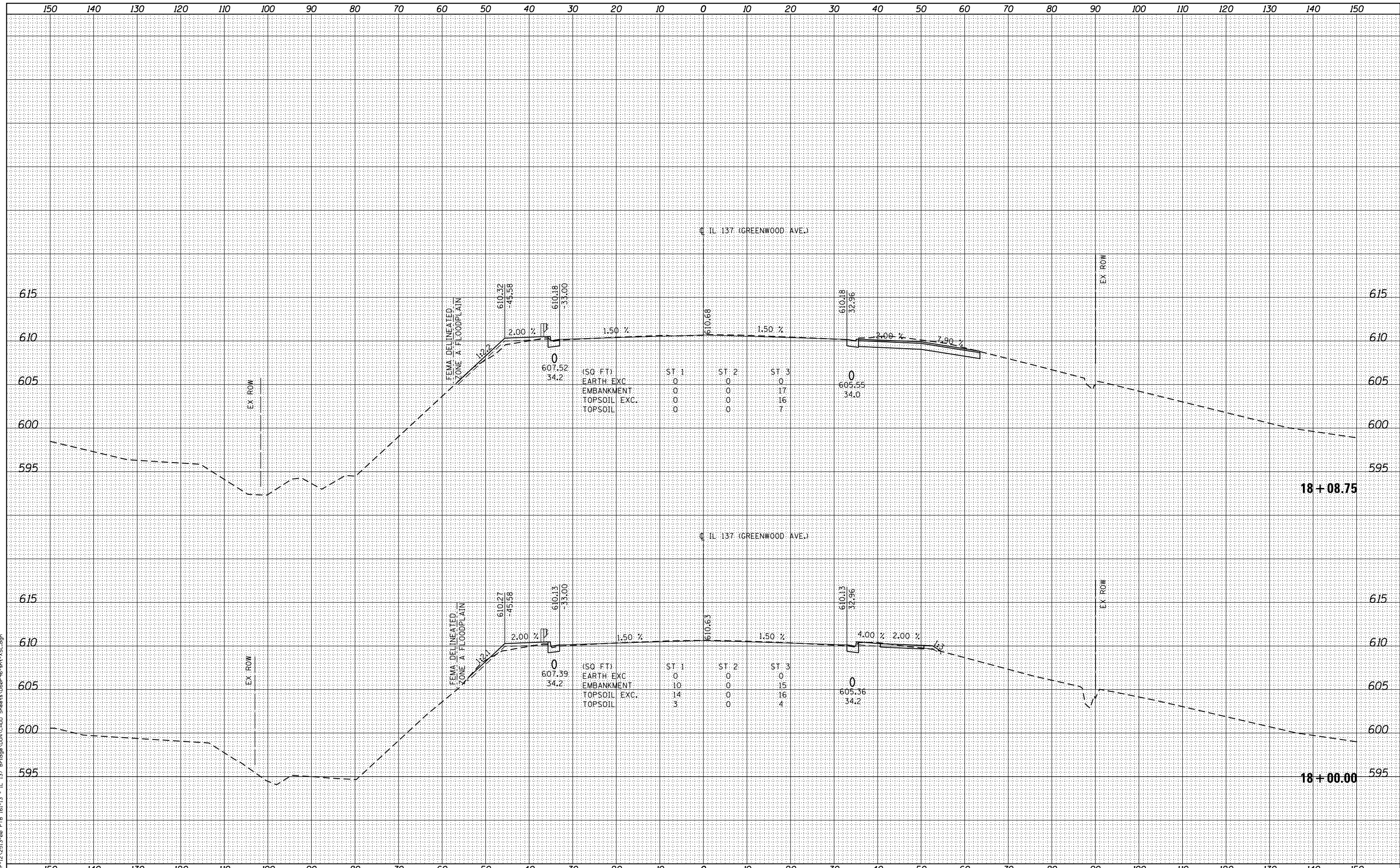
SCALE: 1"=5'H=10'V SHEET 3 OF 23 SHEETS STA. 17+00.00 TO STA. 17+57.52

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	101
			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 37 Bridge\WORK\1200\Sheet13\160916-11-XSG.dgn



(SQ FT)	ST 1	ST 2	ST 3
EARTH EXC	0	0	0
EMBANKMENT	0	0	17
TOPSOIL EXC.	0	0	16
TOPSOIL	0	0	7

(SQ FT)	ST 1	ST 2	ST 3
EARTH EXC	0	0	0
EMBANKMENT	10	0	15
TOPSOIL EXC.	14	0	16
TOPSOIL	3	0	4

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

SCALE: 1"=5'H=10'V SHEET 4 OF 23 SHEETS STA. 18+00.00 TO STA. 18+08.75

USER NAME = APatterson
DESIGNED - AGL
DRAWN - AGL
PLOT SCALE = 1"=5'H=10'V
PLOT DATE = 5/5/2017

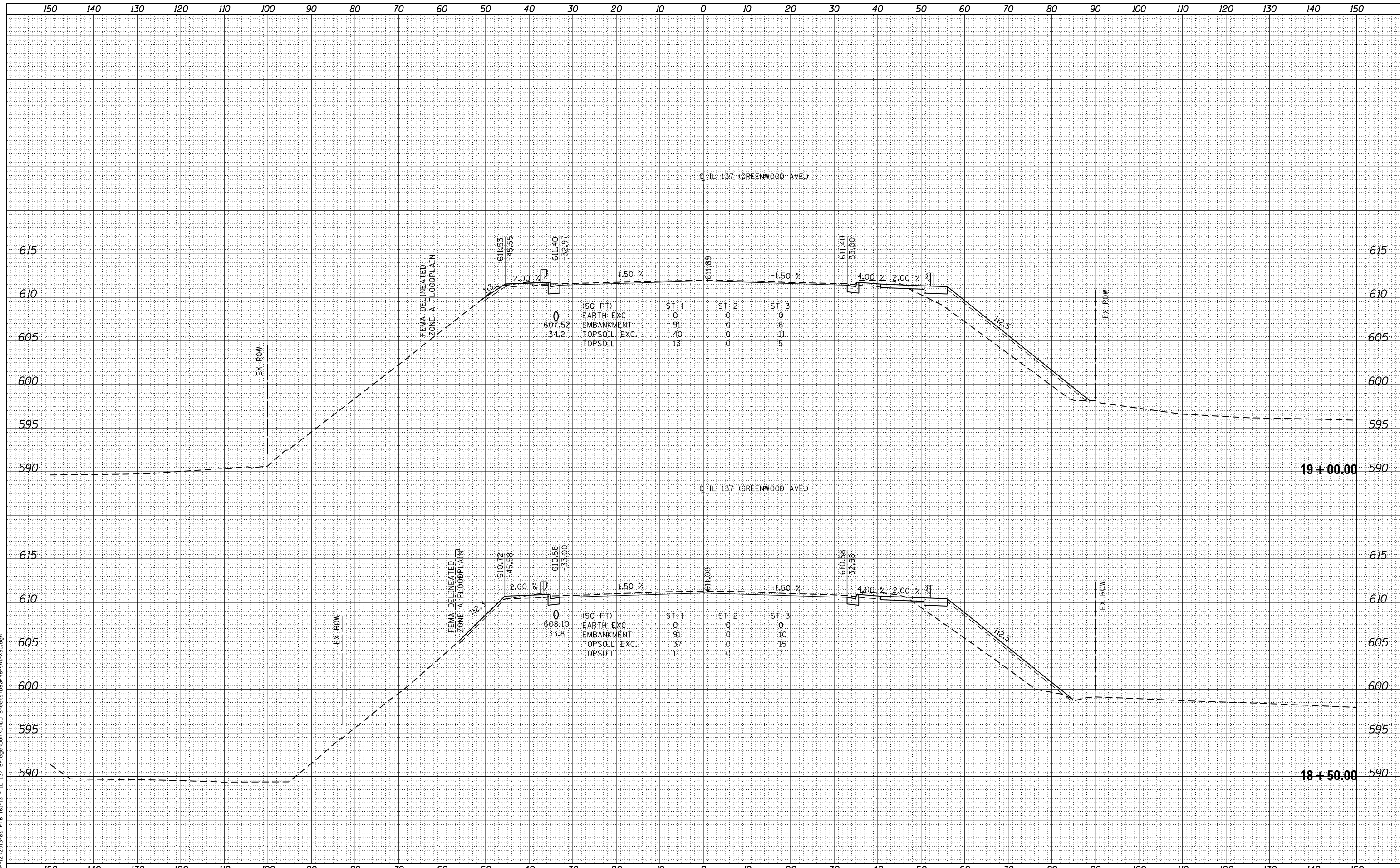
REVISIED -
REVISIED -
REVISIED -
REVISIED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	102
			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 37 Bridge\WORK\2010\Sheet13\16090916.dwg



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

SCALE: 1"=5'H=10'V SHEET 5 OF 23 SHEETS STA. 18+50.00 TO STA. 19+00.00

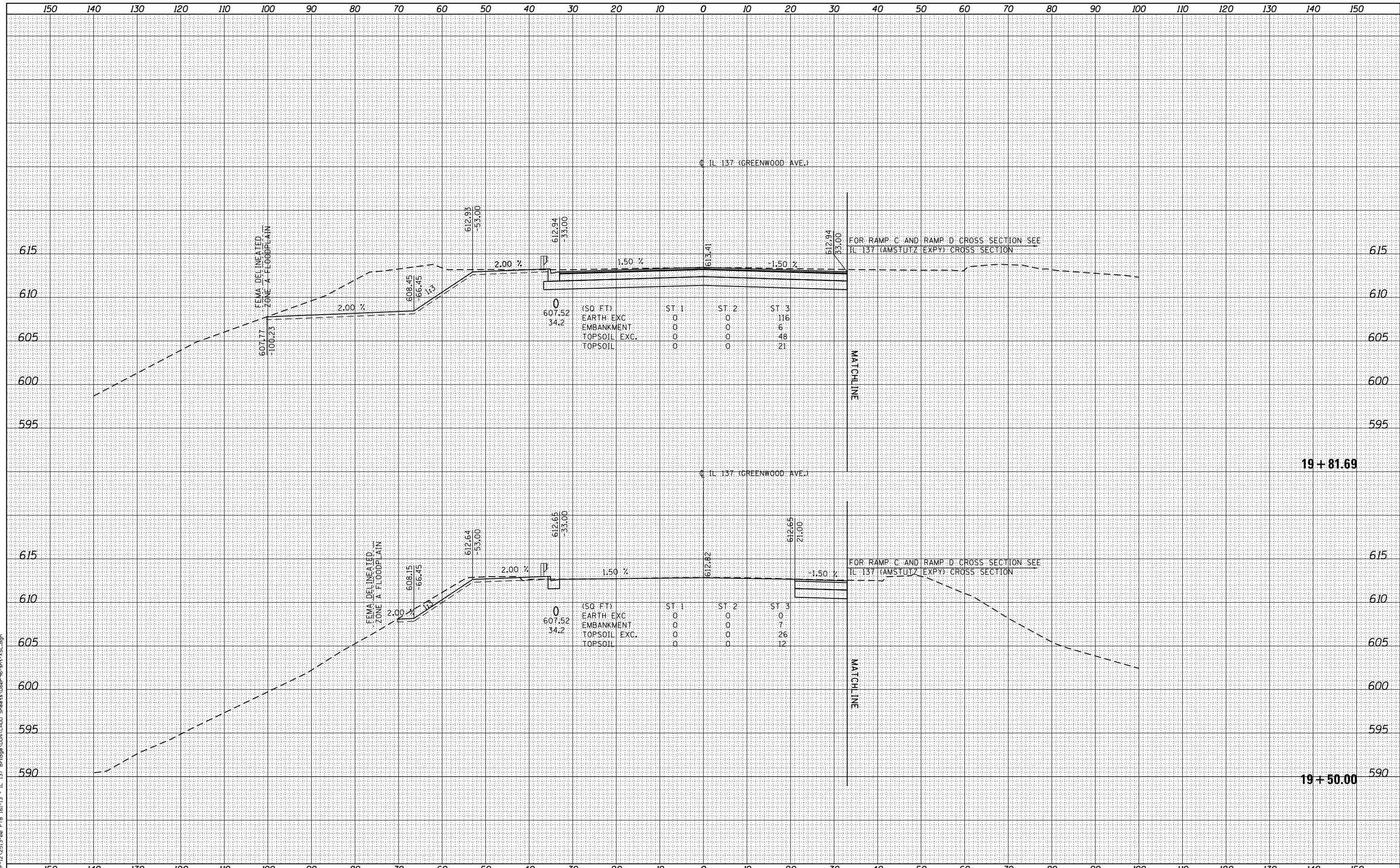
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	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	103
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P96	

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

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

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 37 Bridge Work (CAD) Sheet 19 (800) 816-1234.dgn

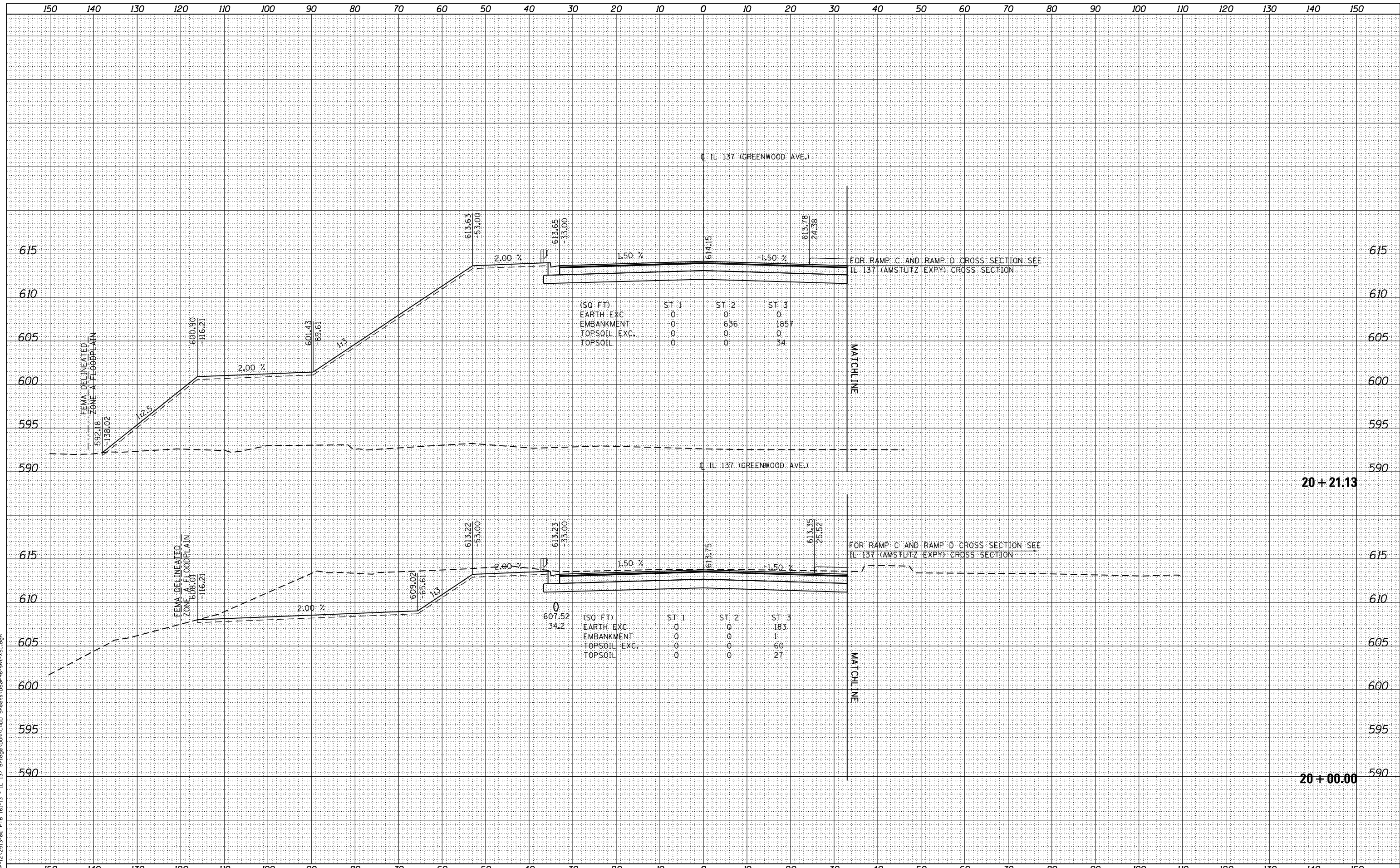


USER NAME = APatterson	DESIGNED - AGL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL 137 (GREENWOOD AVE.)		F.A.P. RTE. 352	SECTION 8HB-BR	COUNTY LAKE	TOTAL SHEETS 121	SHEET NO. 104	
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -		SCALE: 1"=5'H=10'V	SHEET 6 OF 23 SHEETS	STA. 19+50.00 TO STA. 19+81.69	CONTRACT NO. 60P96				
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

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

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

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 137 Bridge VLNK (2010) Sheet 13 VLB09016.dwg



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

SCALE: 1"=5'H=10'V SHEET 7 OF 23 SHEETS STA. 20+00.00 TO STA. 20+21.13

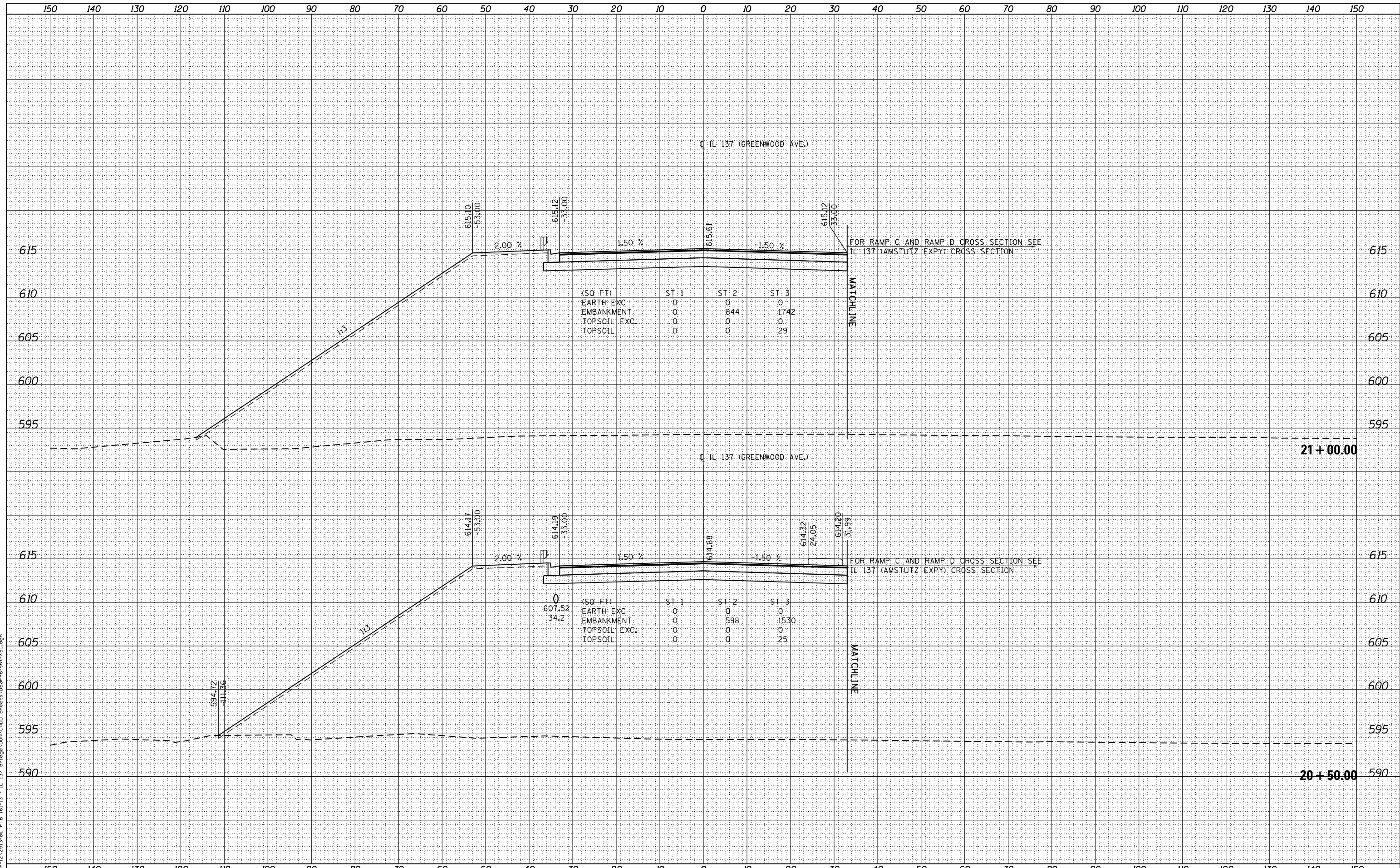
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	105
			CONTRACT NO. 60P96	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

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

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

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\WORK\1301\Sheet 13\809916.dwg



(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	0	644	1742
TOPSOIL EXC.	0	0	0
TOPSOIL	0	0	29

(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	607.52	598	1530
TOPSOIL EXC.	34.2	0	0
TOPSOIL	0	0	25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

SCALE: 1"=5'H=10'V SHEET 8 OF 23 SHEETS STA. 20+50.00 TO STA. 21+00.00

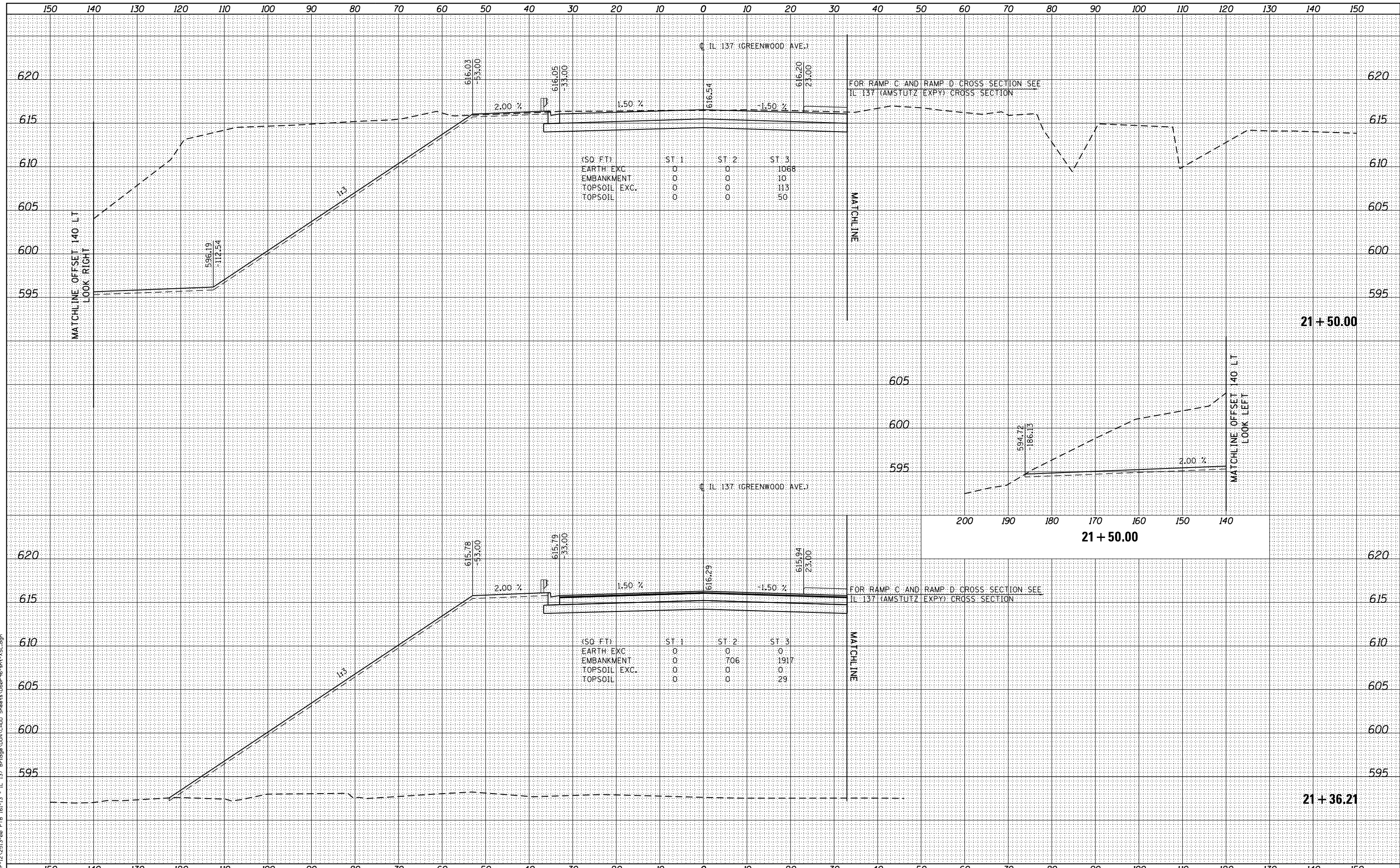
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	106
			CONTRACT NO. 60P96	

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 137 Bridge VLNK (CAD) Sheet 13 V160918.dwg



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (GREENWOOD AVE.)**

USER NAME = APatterson
DESIGNED - AGL
DRAWN - AGL
PLLOT SCALE = 1"=5'H=10'V
PLLOT DATE = 5/5/2017

REVISIED -
REVISIED -
REVISIED -
REVISIED -

DATE - 03/15/2017

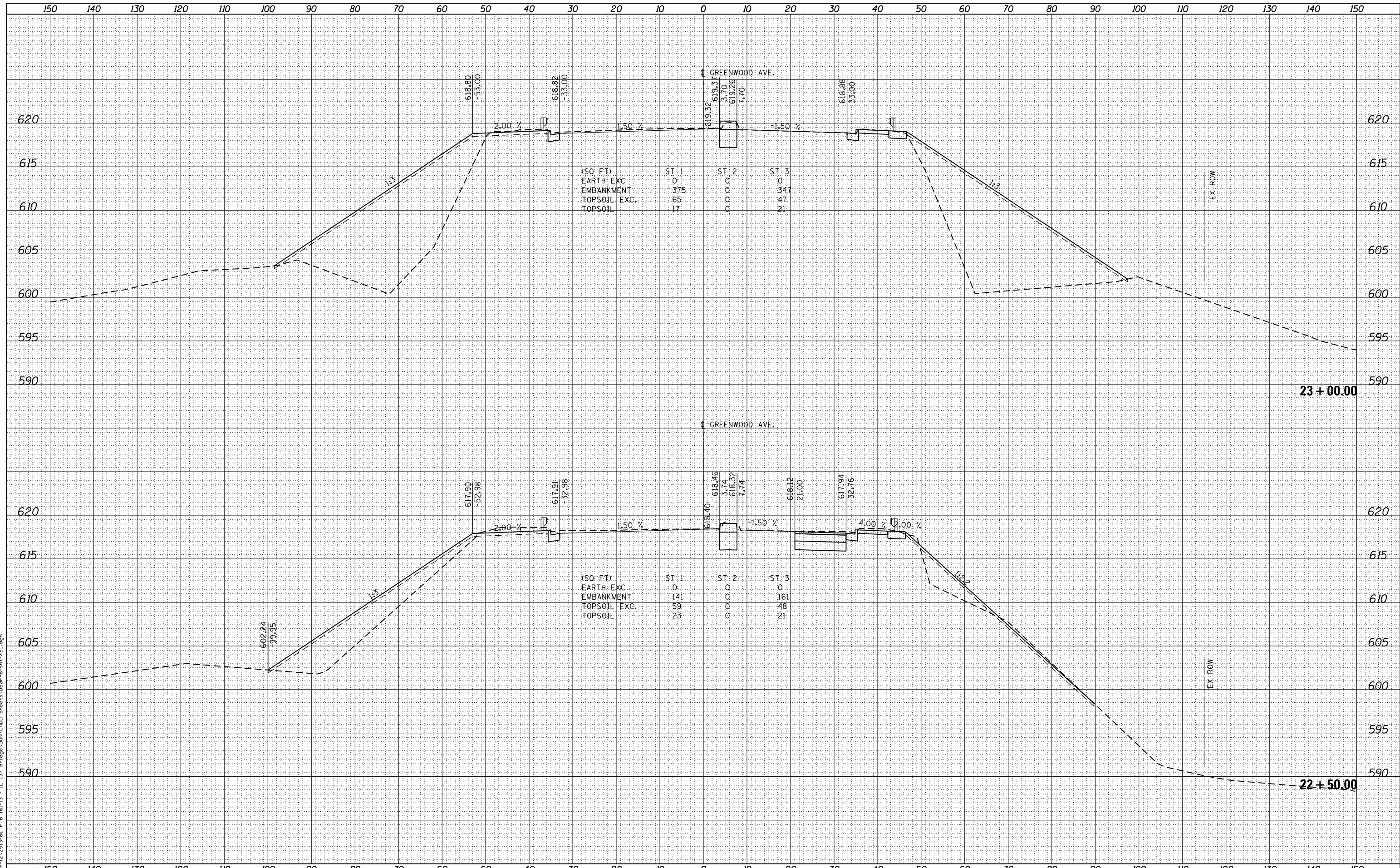
SCALE: 1"=5'H=10'V SHEET 9 OF 23 SHEETS STA. 21+36.21 TO STA. 21+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	107
CONTRACT NO. 60P96			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTED	
PLOTTED	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
PLOTTED	
AREAS CHECKED	
AREAS CHECKED	

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 37 Bridge\WORK\2009\Sheet13\860916.dwg



USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/26/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
GREENWOOD AVENUE**

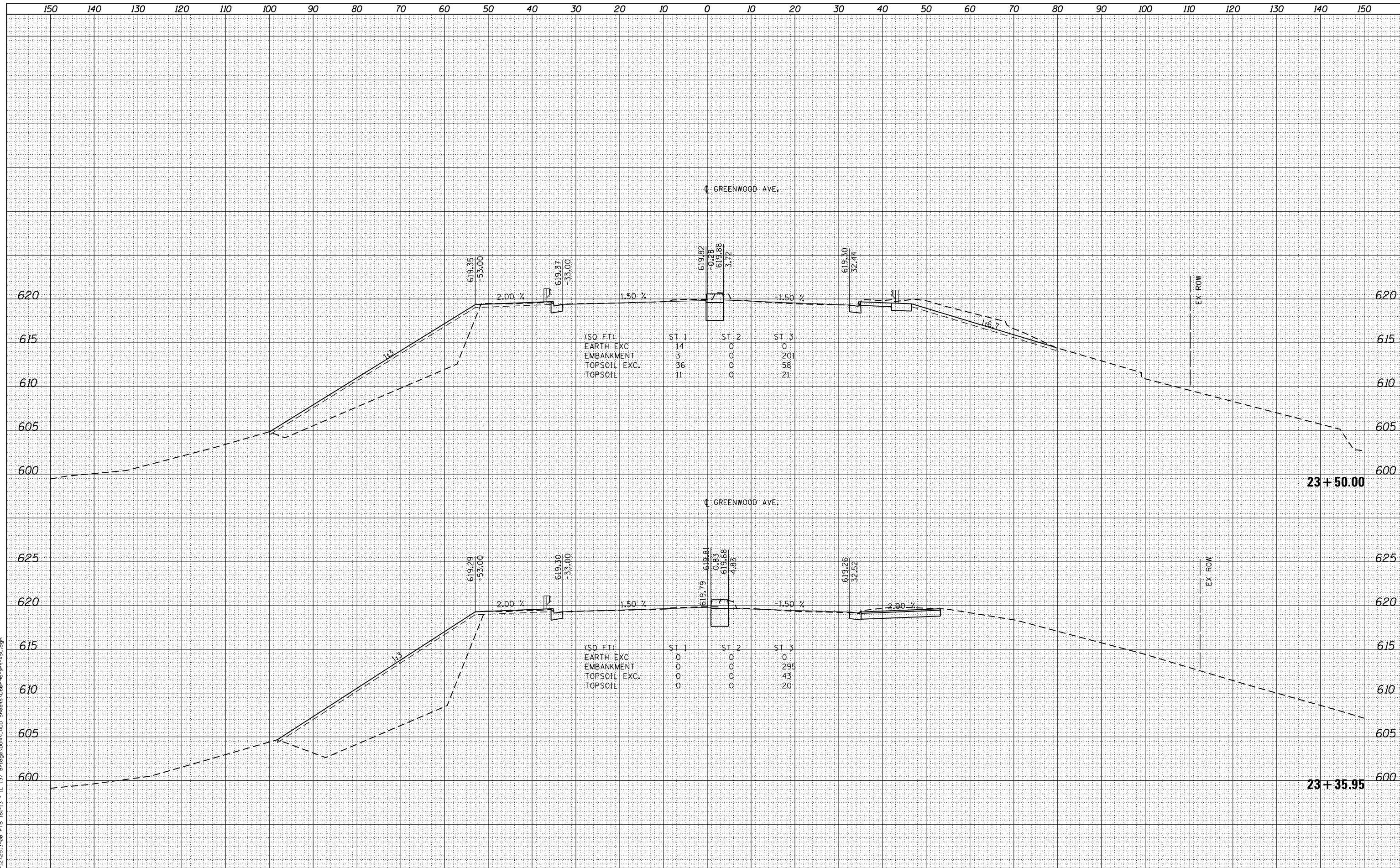
SCALE: 1"=5'H=10'V SHEET 11 OF 23 SHEETS STA. 22+50.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	109
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 37 Bridge\WORK\2513-00\Sheet\161009616.dwg



(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	14	0	0
EMBANKMENT	3	0	201
TOPSOIL EXC.	36	0	58
TOPSOIL	11	0	21

(SQ. FT.)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	0	0	295
TOPSOIL EXC.	0	0	43
TOPSOIL	0	0	20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
GREENWOOD AVENUE**

USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	DRAWN - AGL	REVISED -
PLOT DATE = 5/5/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

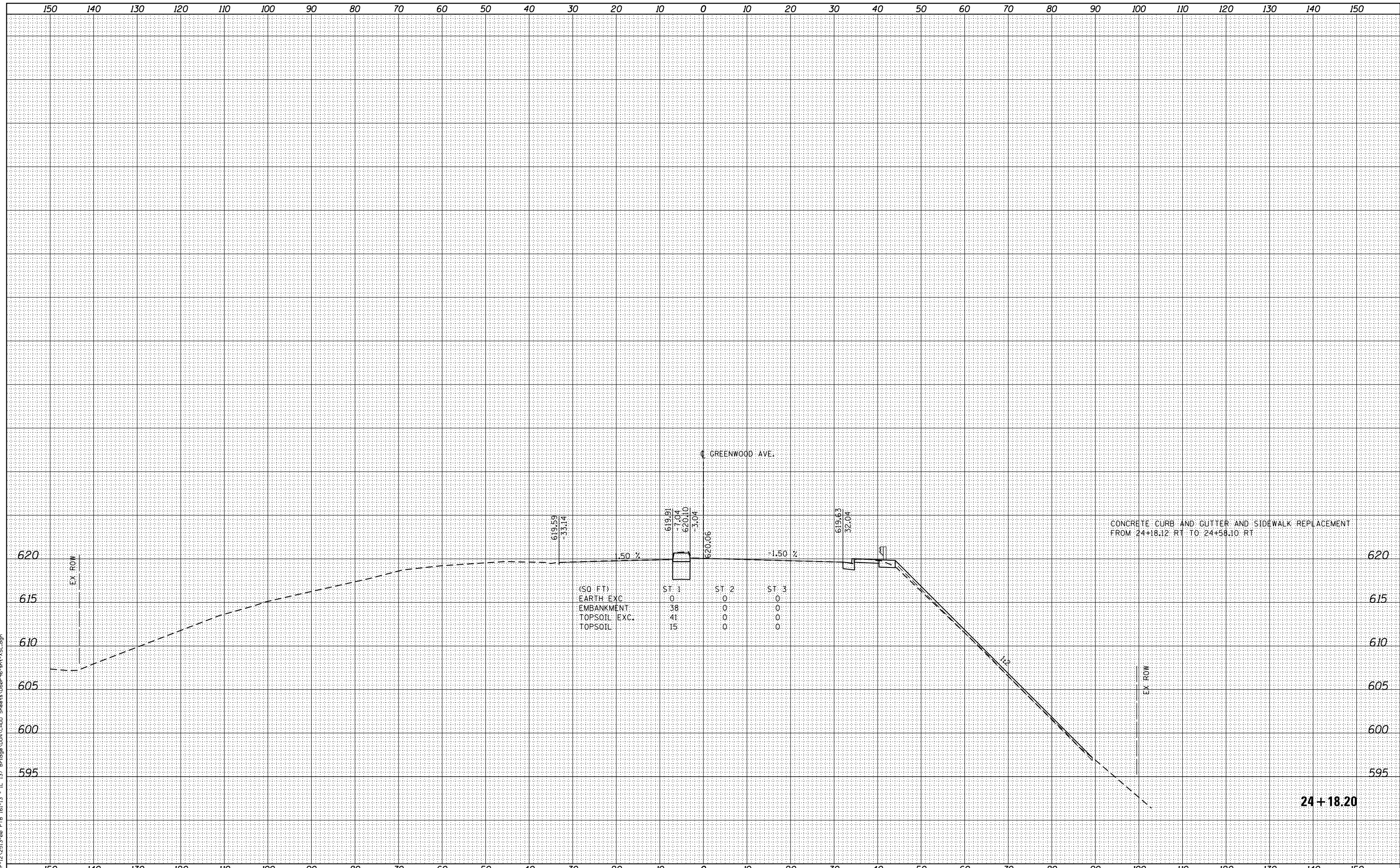
SCALE: 1"=5'H=10'V SHEET 12 OF 23 SHEETS STA. 23+35.95 TO STA. 23+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	110
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 37 Bridge\WORK\2400 Streets\16090916-rt-XSG.dgn



CONCRETE CURB AND GUTTER AND SIDEWALK REPLACEMENT FROM 24+18.12 RT TO 24+58.10 RT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
GREENWOOD AVENUE

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

SCALE: 1"=5'H=10'V SHEET 14 OF 23 SHEETS STA. 24+18.20 TO STA.

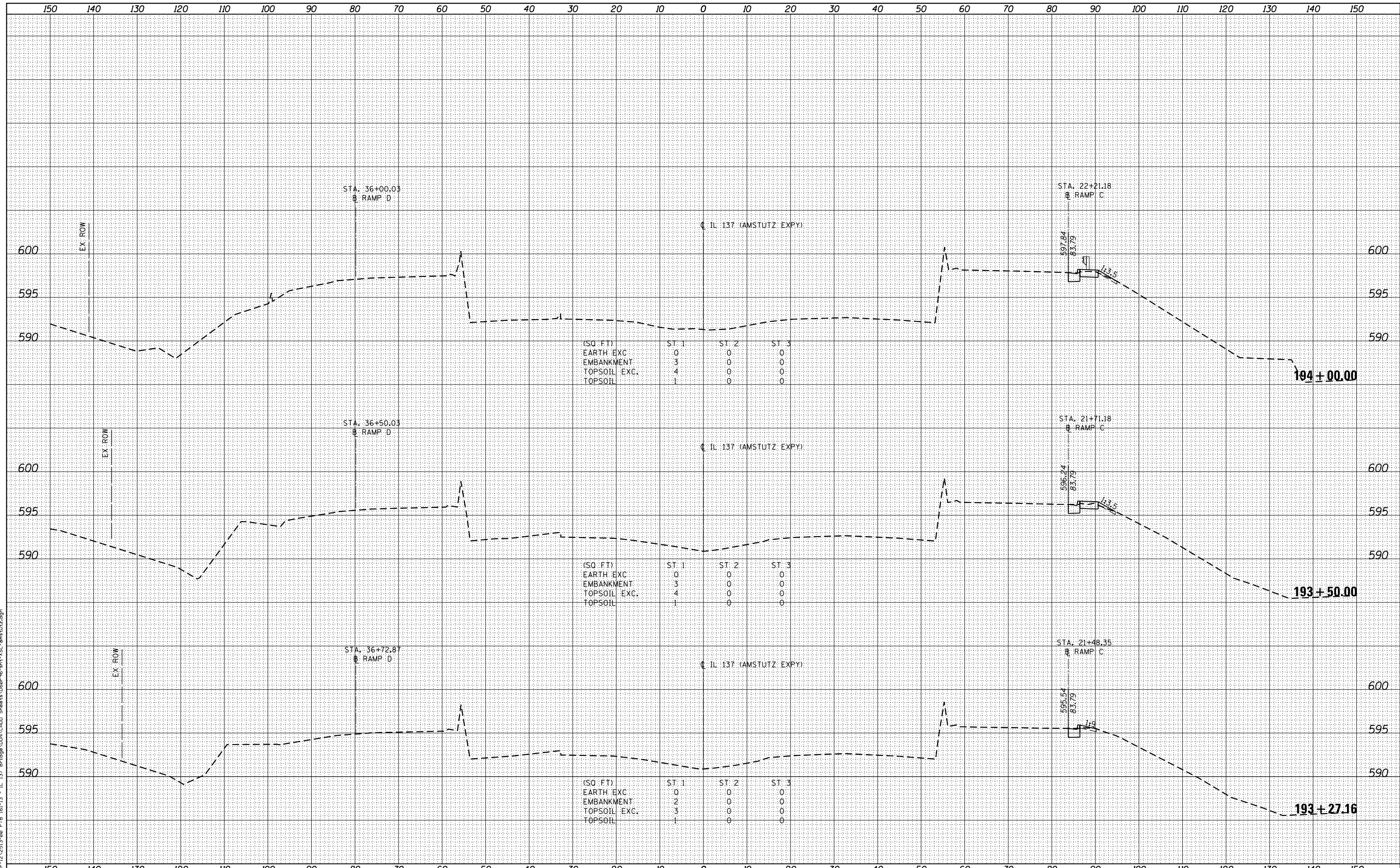
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	112
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

24+18.20

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

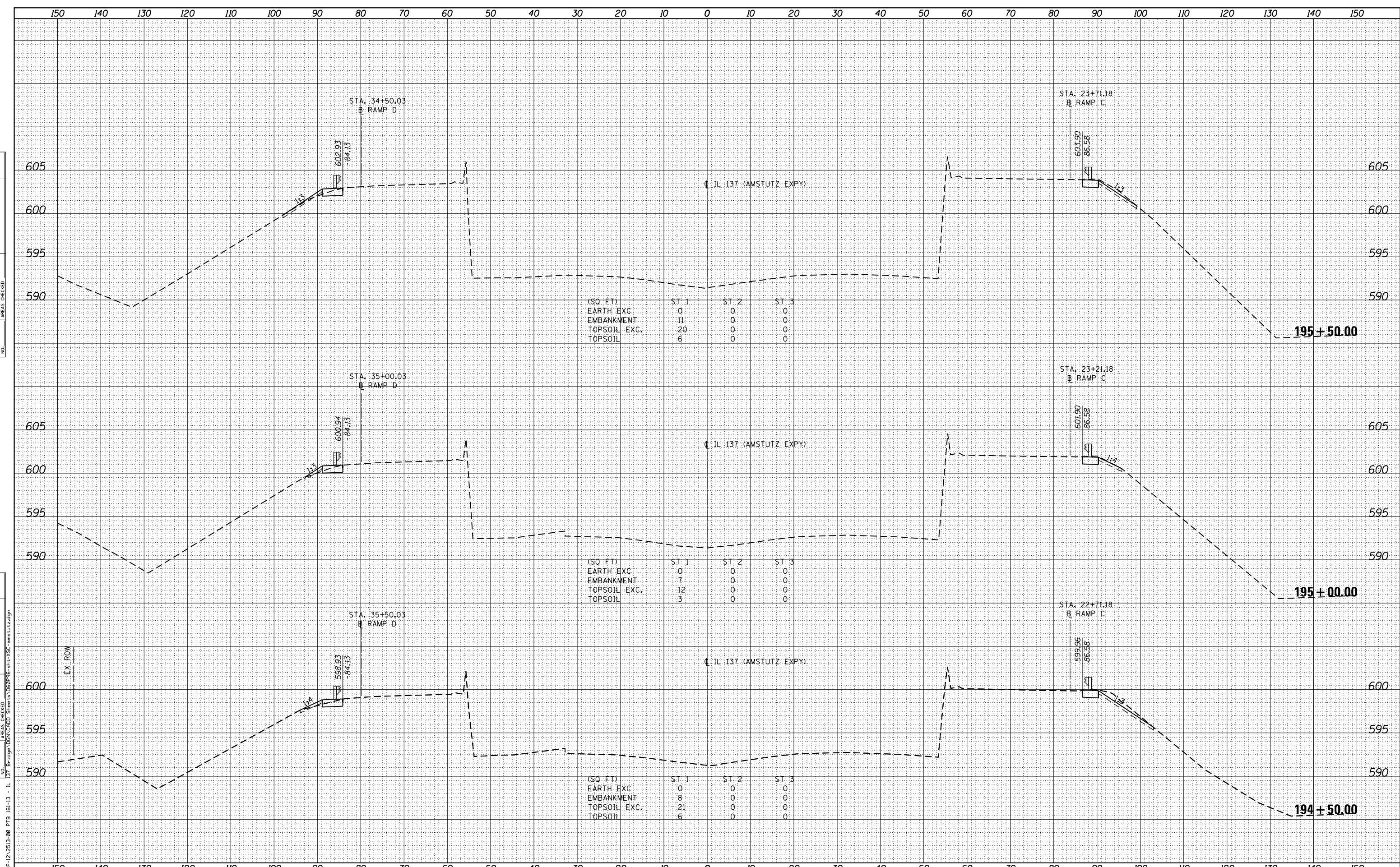
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\WORK\161-13-001\Sheet13\161-13-001-XSC-amstutz.dgn



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS	
NO.	



(SQ. FT.)	ST. 1	ST. 2	ST. 3
EARTH EXC.	0	0	0
EMBANKMENT	11	0	0
TOPSOIL EXC.	20	0	0
TOPSOIL	6	0	0

(SQ. FT.)	ST. 1	ST. 2	ST. 3
EARTH EXC.	0	0	0
EMBANKMENT	7	0	0
TOPSOIL EXC.	12	0	0
TOPSOIL	3	0	0

(SQ. FT.)	ST. 1	ST. 2	ST. 3
EARTH EXC.	0	0	0
EMBANKMENT	8	0	0
TOPSOIL EXC.	21	0	0
TOPSOIL	6	0	0

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 137 Bridge/VIADUCT/Structure/160909/161-13-XSC-amstutz.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISOR -
	DRAWN - AGL	REVISIONS -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISIONS -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

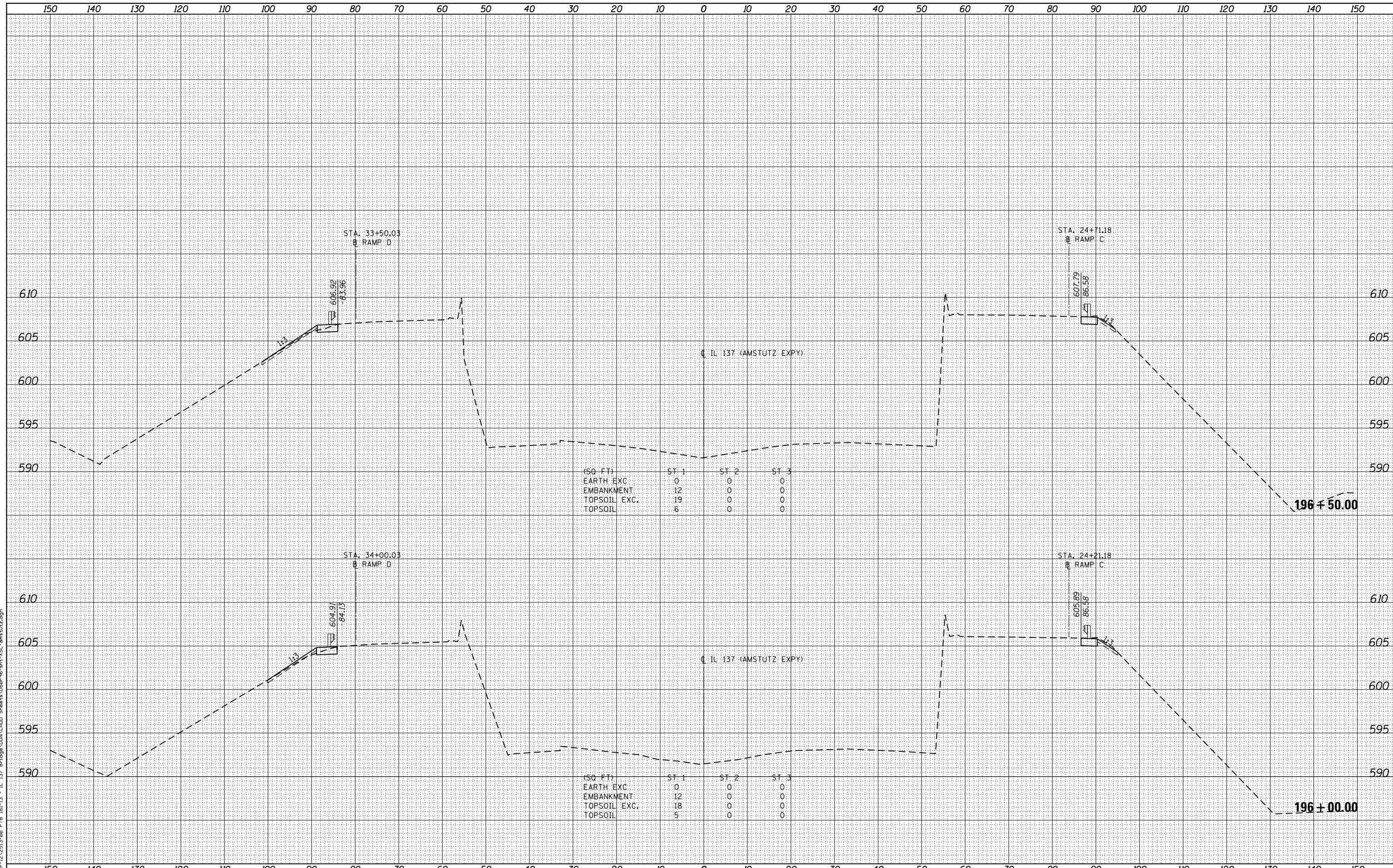
**CROSS SECTIONS
IL 137 (AMSTUTZ EXPY) (RAMP C AND RAMP D)**

SCALE: 1"=5'H=10'V SHEET 16 OF 23 SHEETS STA. 194+50.00 TO STA. 195+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	114
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

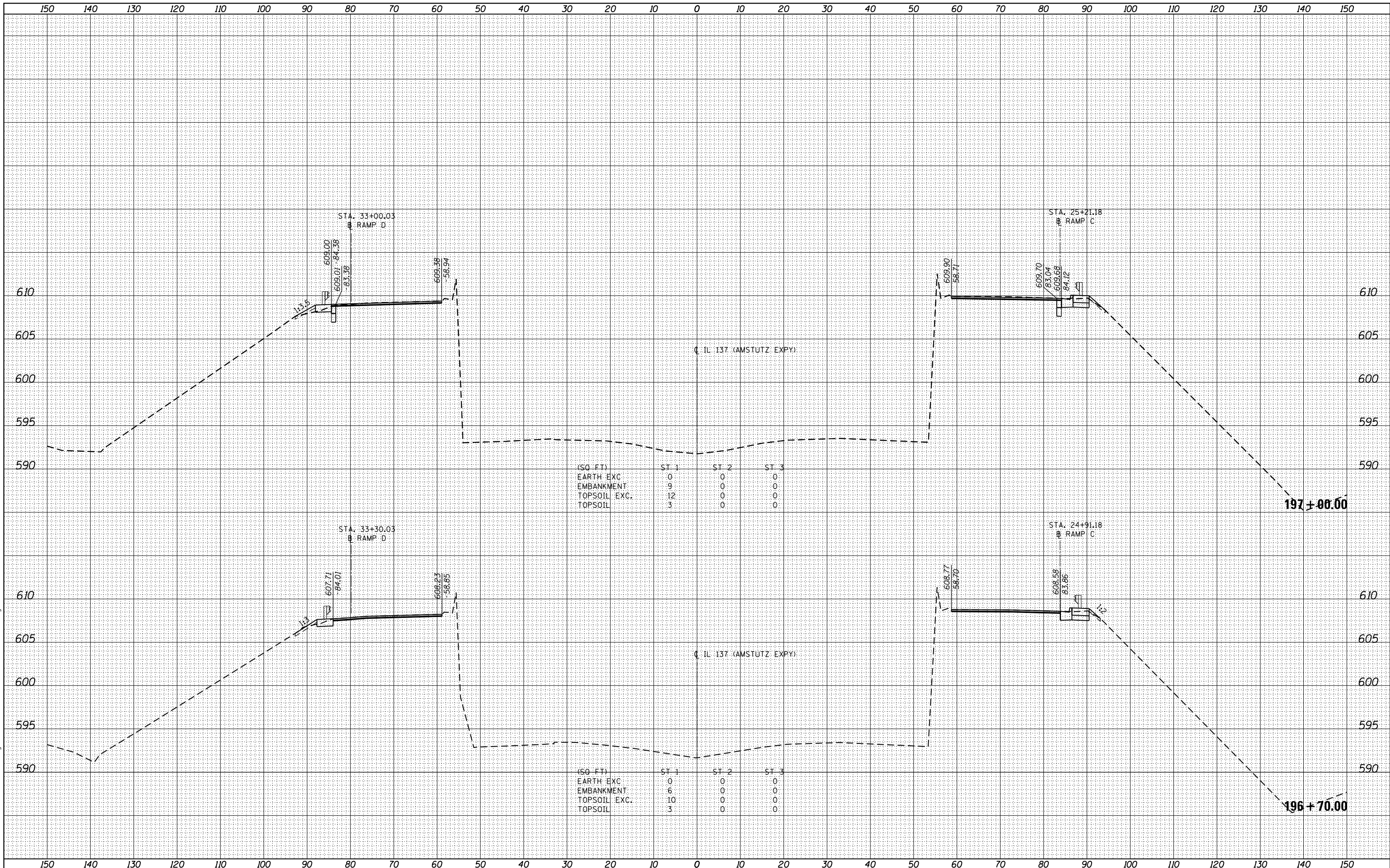


FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\LINK\2010\Sheet13_V160916.dwg

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS	
CHECKED	
NO.	

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 37 Bridge VLNK (2010) Sheet 13 (1609) RAMP C and RAMP D.dgn



(SQ. FT)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	9	0	0
TOPSOIL EXC.	12	0	0
TOPSOIL	3	0	0

(SQ. FT)	ST 1	ST 2	ST 3
EARTH EXC.	0	0	0
EMBANKMENT	6	0	0
TOPSOIL EXC.	10	0	0
TOPSOIL	3	0	0

USER NAME	= APatterson
DESIGNED	- AGL
DRAWN	- AGL
PLOT SCALE	= 1"=5'H=10'V
PLOT DATE	= 5/5/2017

DESIGNED	- AGL	REVISED	-
DRAWN	- AGL	REVISED	-
CHECKED	- AJP	REVISED	-
DATE	- 03/15/2017	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

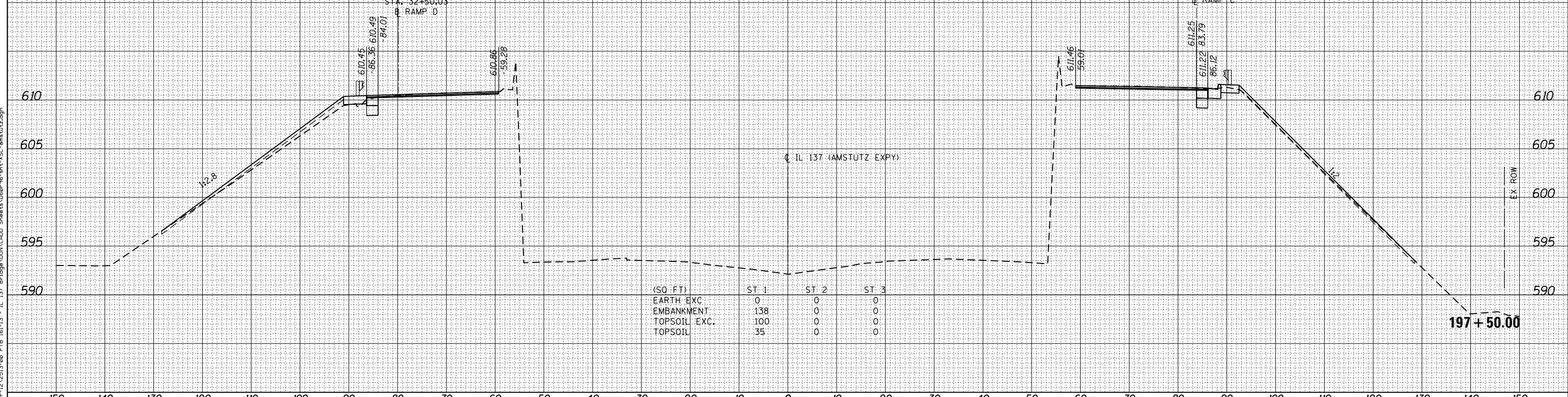
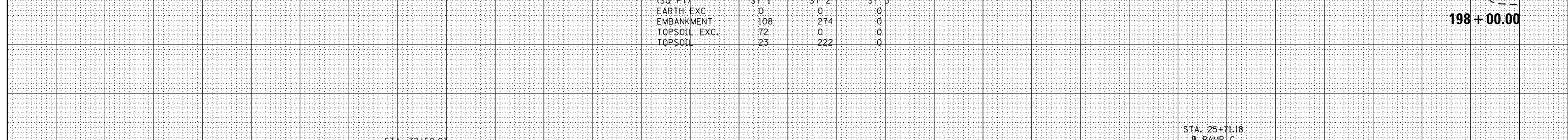
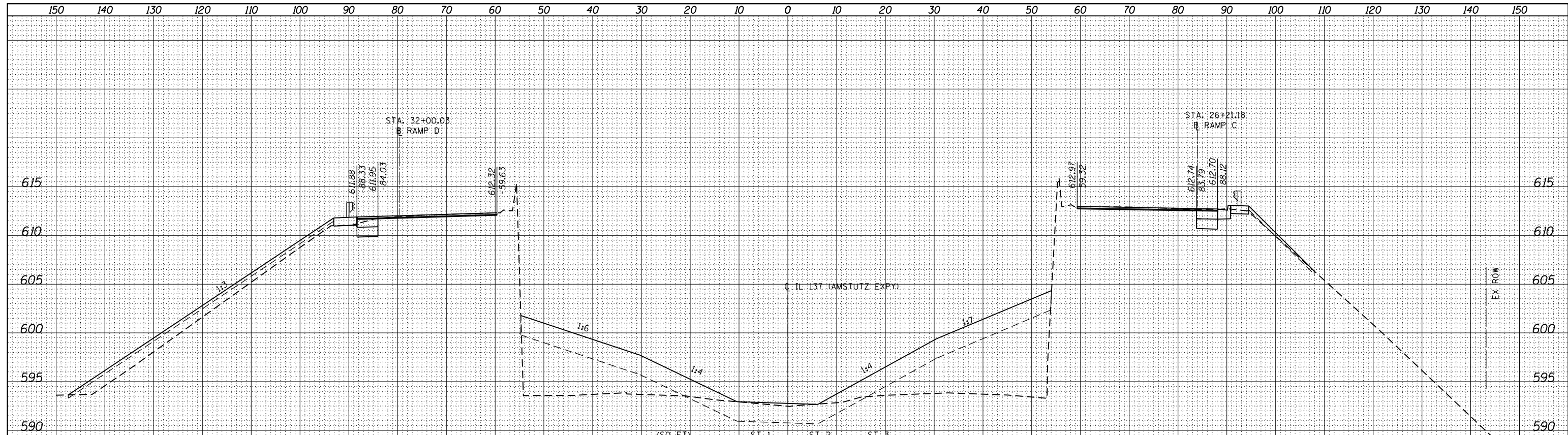
CROSS SECTIONS
IL 137 (AMSTUTZ EXPY) (RAMP C AND RAMP D)
SCALE: 1"=5'H=10'V SHEET 18 OF 23 SHEETS STA. 196+70.00 TO STA. 197+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	116
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME = PAP-12A2513-00 PTB 161-13 - IL 37 Bridge\WORK\2010\Sheet13\160916.rvt-XSC-amstutz.dgn



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (AMSTUTZ EXPY) (RAMP C AND RAMP D)**

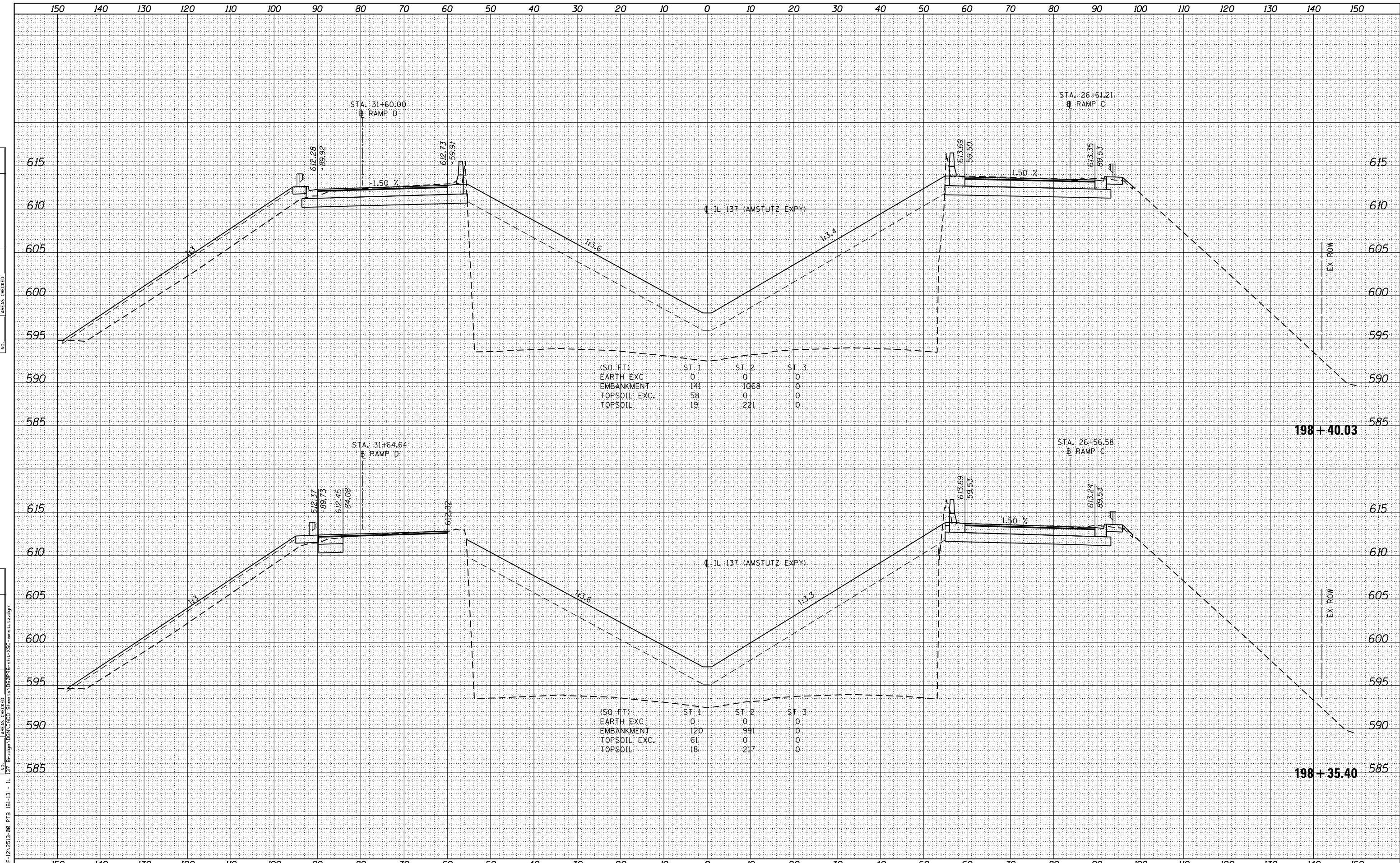
USER NAME = APatterson	DESIGNED - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	DRAWN - AGL	REVISED -
PLOT DATE = 5/25/2017	CHECKED - AJP	REVISED -
	DATE - 03/15/2017	REVISED -

SCALE: 1"=5'H=10'V SHEET 19 OF 23 SHEETS STA. 197+50.00 TO STA. 198+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	117
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS	
NO.	



FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\WORK\2513\Sheet 19\60P96.rvt - XSC - amstutz.dgn

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (AMSTUTZ EXPY) (RAMP C AND RAMP D)**

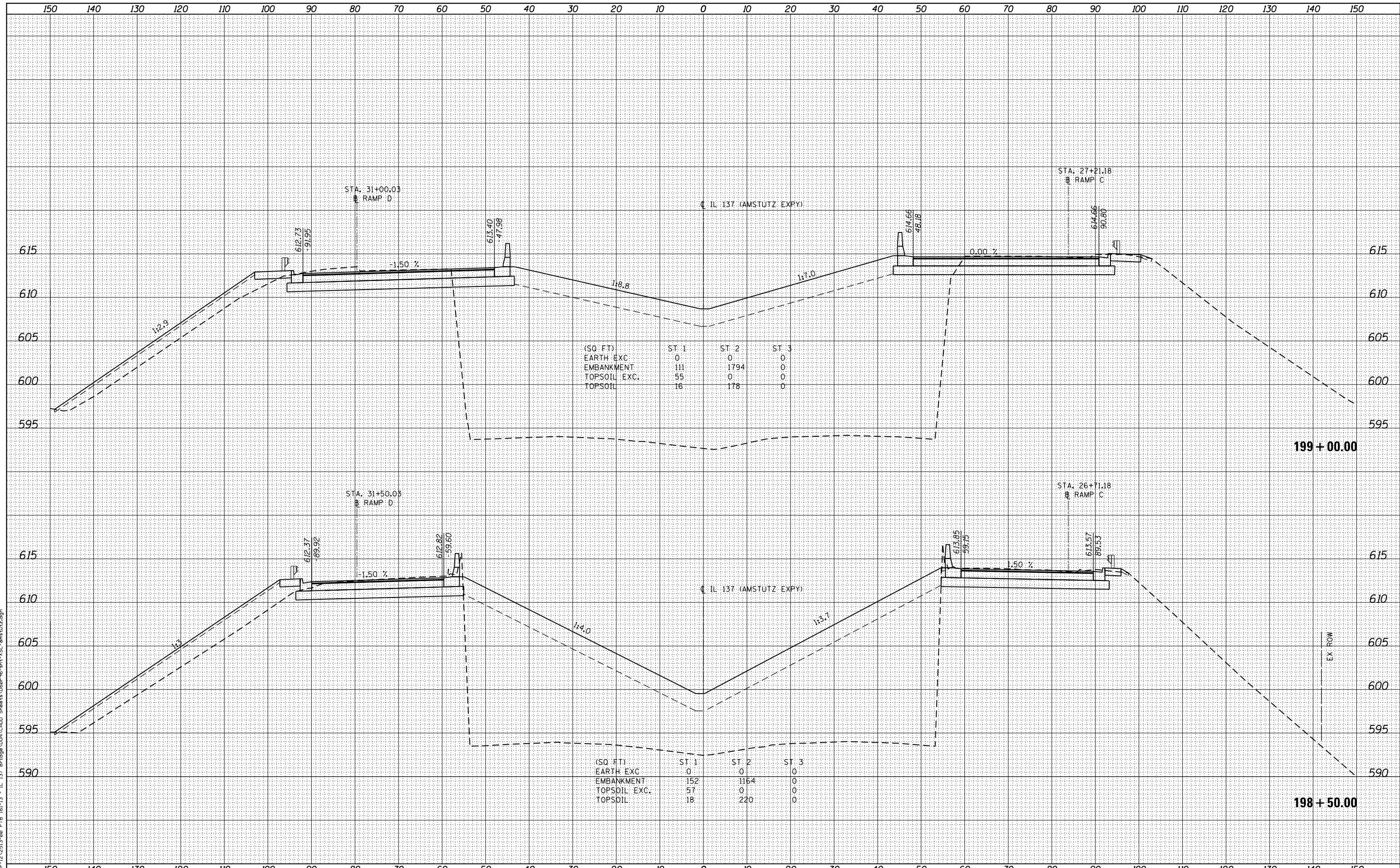
SCALE: 1"=5'H=10'V SHEET 20 OF 23 SHEETS STA. 198+35.40 TO STA. 198+40.03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	118
CONTRACT NO. 60P96				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CORRECTED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CORRECTED	

FILE NAME = P:\P-12\2513-00 PTB 161-13 - IL 137 Bridge\WORK\2513-00\Sheet161000.dgn



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 137 (AMSTUTZ EXPY) (RAMP C AND RAMP D)**

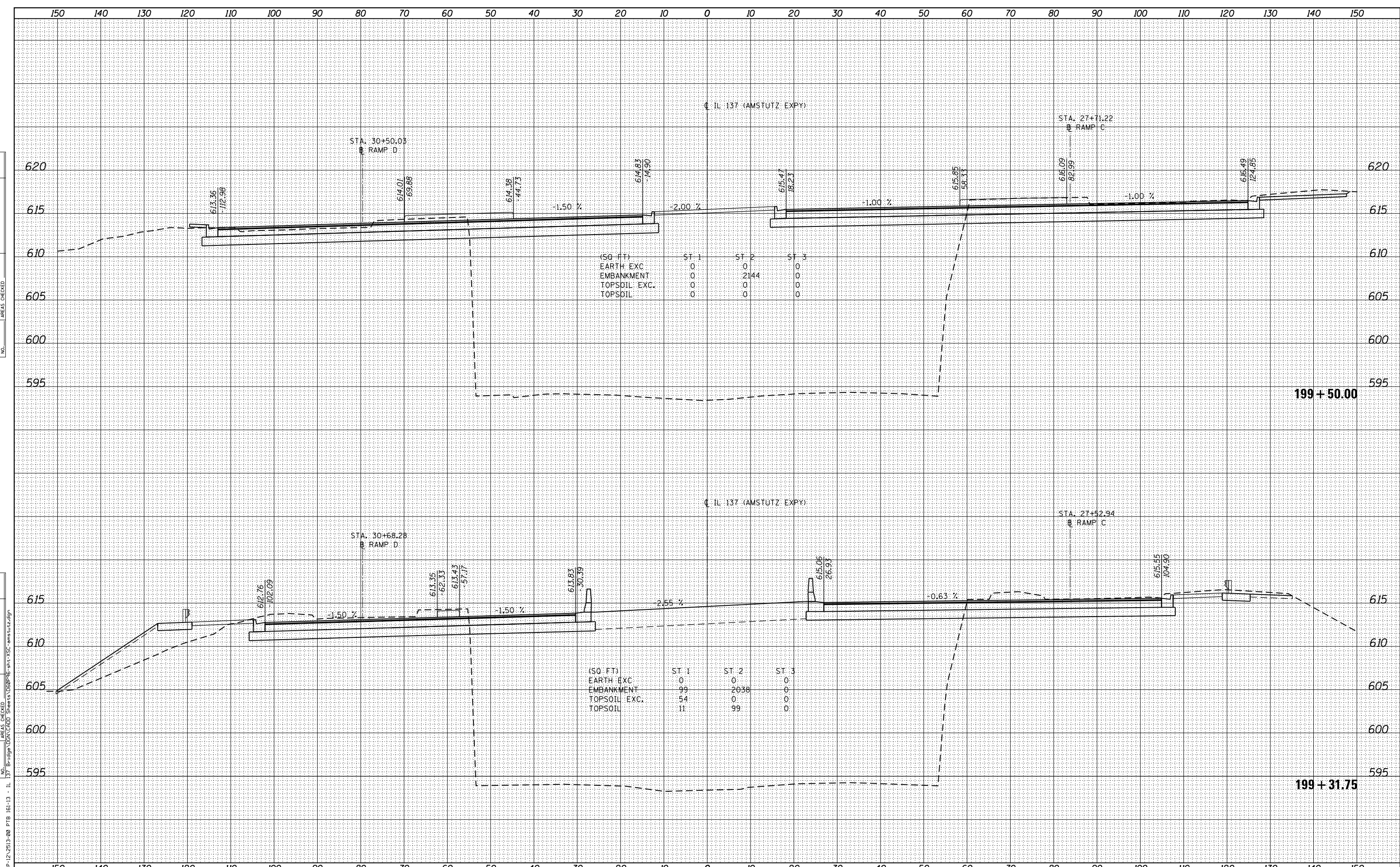
USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 1"=5'H=10'V	CHECKED - AJP	REVISED -
PLOT DATE = 5/5/2017	DATE - 03/15/2017	REVISED -

SCALE: 1"=5'H=10'V SHEET 21 OF 23 SHEETS STA. 198+50.00 TO STA. 199+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
352	8HB-BR	LAKE	121	119
				CONTRACT NO. 60P96
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
PLOTTED	
TEMPLE	
AREAS	
CHECKED	
NO.	
FINISH	
NO. BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
PLOTTED	
TEMPLE	
AREAS	
CHECKED	
NO.	
FINISH	
NO. BOOK	
NO.	



(SQ FT)	ST 1	ST 2	ST 3
EARTH EXC	0	0	0
EMBANKMENT	0	2144	0
TOPSOIL EXC.	0	0	0
TOPSOIL	0	0	0

(SQ FT)	ST 1	ST 2	ST 3
EARTH EXC	0	0	0
EMBANKMENT	99	2038	0
TOPSOIL EXC.	54	0	0
TOPSOIL	11	99	0

