

06-15-2018 LETTING ITEM 224

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAS 1042 (IL 251) & FAU 5454 (IL 251)
SECTION (106, 107) RS-5
Winn. Co. line to 0.3 mi N of Flagg Rd.
PROJECT HSIP-STP-IT4K(439)
3P RESURFACING
OGLE COUNTY

FAS RTE 1042	SECTION	COUNTY	TOTAL SHEETS
FAU RTE 5454	(106, 107) RS-5	OGLE	198
ILLINOIS			CONTRACT NO. 64H61

*196 + 2 = 198
D-92-033-12



DESIGN DESIGNATION

IL 251 Minor Arterial

PV = 5250, 3200, 4780 & 6270

SU = 260, 115, 180 & 215

MU = 340, 185, 215 & 215

ADT = 5300, 3150, 4700 & 6075 (2013)

GROSS LENGTH = 76,491 FT. = 14.49 MILE

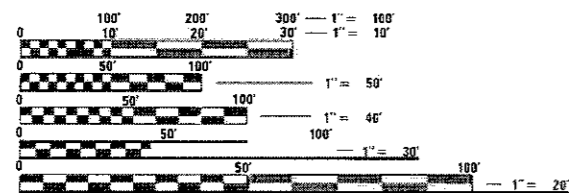
OMISSION = 1,176 FT. = 0.22 MILE

NET LENGTH = 75,315 FT. = 14.3 MILE

FLAGG TOWNSHIP SECTIONS 1, 12, & 13

WHITE ROCK TOWNSHIP SECTIONS 1, 2, 12, 13, 24, 25, 36

SCOTT TOWNSHIP SECTIONS 1, 2, 11, 12, 13, 14, 23, 24, 25, 26, 35, 36



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

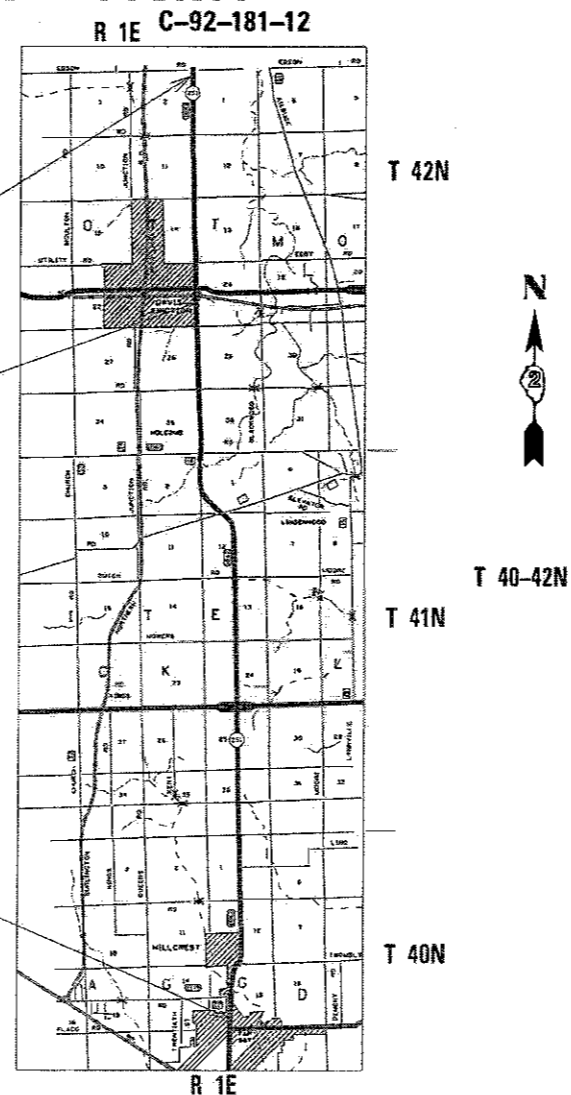
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER : STEVE ROBERY (815) 284-5512
PROJECT MANAGER : COREY CONDERMAN (815) 284-5936
SQUAD ENGINEER : ANDREA VARGAS (815) 284-5920
CONTRACT NO. 64H61

SECTION & IMPROVEMENT ENDS
STA. 964 + 34

PAVING GAP
STA. 770 + 00 to STA. 789 + 92

SECTION & IMPROVEMENT BEGINS
STA. 199 + 43



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 25, 2018
Kerisa Marchetti
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11, 2018
May David P. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS
DISTRICT 2, DIXON

INDEX OF SHEETS

INDEX OF SHEETS AND STANDARDS

STATE STANDARDS

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630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630106-02	LONG-SPAN GUARDRAIL OVER CULVERTS
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701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF - RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
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701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS * 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS * 45 MPH TO 55 MPH
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701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS * 45 MPH
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728001-01	TELESCOPING STEEL SIGN SUPPORT
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FILE NAME =	USER NAME = laec	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
plc:\084EBDINTEG\inole.gov\PW\DOT\Documents\DOT Offices\District 2\Projects\203312\CADD\sta\CAD\shhets\02	DT Offices\District 2\Projects\203312\CADD\sta\CAD\shhets\02	DRAWN	REVISED			1042	(106,107) RS-5	OGLE	196	2	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64H61					
	PLOT DATE = May-15-2018 11:52:23 AM	DATE -	REVISED -			SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____

GENERAL NOTES

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

The following Mixture Requirements are applicable for this project:

Location(s):	Mainline	Mainline	Shoulder	Shoulder
Mixture Use(s):	Surface	Level Binder	Top Lift	Lower Lift
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids:	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50
Mixture Composition (Mixture Gradation):	IL 9.5	IL 9.5FG	IL 9.5	IL 19.0
Friction Aggregate:	D	N/A	C	N/A
Mixture Weight:	112 lb/sy/in	N/A	112 lb/sy/in	N/A
Quality Management Program:	QCP	QCP for MIX ONLY	QC/QA	QC/QA
Sublot Size:	1,000 TONS	1,000 TONS		
Number of Roller Passes ¹⁾ :	N/A	N/A	N/A	N/A

- 1) When a number of roller passes is specified, the Contractor may opt to use intelligent compaction in lieu of density testing under the Quality Control for Performance (QCP) program.

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

Install rumble strips in all shoulders in accordance with State Standard 642006. Rumble Strips shall be placed on shoulders on both sides of the pavement.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 4" x 4" wood post 40" above the shoulder surface and extending to a minimum of 24" into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 50 mailboxes to be relocated.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

The excavated materials from earth excavation (special), earth excavation, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

Pavement Marking shall be done according to Standard 780001, except as follows:

- All words, such as ONLY, shall be 8 feet high.
- All non-freeway arrows shall be the large size.
- The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
- Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1 mile or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. Option 2 would be to install a vaulted style, monumented as described by NGS as a 3D monument (Top Security Sleeve Rod Monument), with installation instructions provided by the District Chief of Surveys. If poured in place, the bottom of the marker shall be 5'-0" below the ground surface.

The Permanent Survey Markers, if possible, shall be installed at the beginning of the job and protected throughout.

FILE NAME = 64H61.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -	REVISED -					FAS 1042 (IL 251) & FAU 5454 (IL 251)	(106, 197)RS-5	Ogle		3
	PLOT DATE = 5/15/2018 12:00 PM	CHECKED -	REVISED -					CONTRACT NO. 64H61				
		DATE - 5/16/2014 1:23 PM	REVISED -					SCALE	SHEET NO.	OF SHEETS	STA. TO STA.	ILLINOIS

GENERAL NOTES

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal coordinates must be derived by GPS and the elevation derived using an electronic level. The meta data, such as the Geoid used, (NGS adjustment ie: 97 HARN, 03, 07), and the base point(s) name or number shall be submitted along with a complete collection log. If collected using RTK method, it will require either 3 collections (averaged) from 2 different bases, or a minimum of 3 collections (averaged), at least 2 hours apart, from the same base. If using a CORS type network, the collection procedure shall include localizing with check shots on at least 2 different HARN monuments both before and after collection. The level circuit shall be run from furnished mark to furnished mark and then adjusted. The error of closure shall be submitted with the electronic level notes in a recognized format approved by the Engineer and/or the Chief of Surveys. The Engineer shall submit this information to the District Chief of Surveys.

All gutter outlets shall be extended to ditch flow as directed by the Engineer.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Commonwealth Edison Co. (815/490-2869)	Frontier (815/895-1515)
NICOR Gas Co. (630/983-8676)	Comcast Cable (815/395-8977)
Norlight Telecommunications (812/456-1217)	Mediacom (630/365-0045)
City of Rochelle (815/561-2023)	Village of Davis Junction (815/645-8000)
Village of Hillcrest (815/562-7770)	Natural Gas Pipeline (309/944-4676)
G4S Technology (630/739-0546)	

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

Based on a structural analysis only an emptied Material Transfer Device (MTD) will be allowed on SN 071-1093, SN 071-0001, SN 071-2022, SN 071-1147, SN 071-2021 & SN 071-2027.

FILE NAME = 64H81.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN -	REVISED -			FAS 1042 (IL 251) & FAU 5454 (IL 251)	(106, 107)RS-5	Ogle			4
	CHECKED -	DATE - 5/16/2014 1:23 PM	REVISED -			CONTRACT NO. 64H81		ILLINOIS		FED. AID PROJECT	
	PLOT DATE = 5/15/2018 12:00 PM	DATE - 5/16/2014 1:23 PM	REVISED -			SCALE		SHEET NO. OF SHEETS		STA. TO STA.	

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP 80 % FED. 20 % STATE. ROADWAY	STP 5-200K 80 % FED. 20 % STATE. ROADWAY	STP>200K 80 % FED. 20 % STATE. ROADWAY	90 % FED. 10 % STATE. SAFETY
					0005	0005	0005	0021
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	547	122	38	387	
	20200100	EARTH EXCAVATION	CU YD	3,357				3,357
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	233,465				233,465
	25000210	SEEDING, CLASS 2A	ACRE	48.25				48.25
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4,342				4,342
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4,342				4,342
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4,342				4,342
**	25000750	MOWING	ACRE	48.25				48.25
	25100125	MULCH, METHOD 3	ACRE	22.75				22.75
	25100630	EROSION CONTROL BLANKET	SQ YD	132,519				132,519
	25100900	TURF REINFORCEMENT MAT	SQ YD	1,407	1,407			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	19,404				19,404
	28000305	TEMPORARY DITCH CHECKS	FOOT	176	176			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	183,465	111,060	14,005	58,400	

* SPECIALTY ITEMS ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\01L04E80\INTEG\ilnotes\p\WIDOT1\Documental\DOT_0\files\District 2\Projects\0203312\CADD\art\CADD\m\m\0203312\DRAWN\m\m\0203312.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			1042	(106,107) RS-5	OGLE	196	5	
Default	PLOT DATE = May-17-2018 10:31:01 AM	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 64H61			
						ILLINOIS FED. AID PROJECT					

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL STP	URBAN STP	URBAN STP	HSIP
					80 % FED. ROADWAY	5-200K 80 % FED. ROADWAY	>200K 80 % FED. ROADWAY	90 % FED. 10 % STATE. SAFETY
					0005	0005	0005	0021
	40600525	LEVELING BINDER (HAND METHOD), N50	TON	117	69	9	39	
	40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	12,975	7,883	964	4,128	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	5,606	3,063	1,363	1,180	
	40600990	TEMPORARY RAMP	SQ YD	1,654	809	397	448	
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	672	224	224	224	
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	11,471				11,471
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	19,265	11,859	1,446	5,960	
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	2,477	1,361	308	808	
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	18,747	15,663		3,084	
	44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	578			578	
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	227	183		44	
	44002232	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8"	SQ YD	1,500	500	500	500	
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5,424	824		4,600	
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	34	21	2	11	

* SPECIALTY ITEMS ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
pw:\IL04\EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT Office\Dist\Hd 2\Project\1203312\CAAD\state\CAD\sheet\1203312\DRAWING\hd1.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = May-17-2016 10:31:31 AM		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106,107) RS-5	OGLE	196	6
CONTRACT NO. 64H61				
ILLINOIS FED. AID PROJECT				

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP 80 % FED. 20 % STATE. ROADWAY	STP 5-200K 80 % FED. 20 % STATE. ROADWAY	STP>200K 80 % FED. 20 % STATE. ROADWAY	90 % FED. 10 % STATE. SAFETY
					0005	0005	0005	0021
	48203020	HOT-MIX ASPHALT SHOULDERS, 5 3/4"	SQ YD	81,457				81,457
	50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2			
	50105220	PIPE CULVERT REMOVAL	FOOT	84	84			
	54213453	END SECTIONS 18"	EACH	4	4			
	542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	84	84			
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,175	712.5		462.5	
*	63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	75	25		50	
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	6		4	
*	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1			1	
	63200310	GUARDRAIL REMOVAL	FOOT	1,475	900		575	
	63500105	DELINEATORS	EACH	54	34		20	
	64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	119,198				119,198
*	66700305	PERMANENT SURVEY MARKERS, TYPE 11	EACH	14	6		8	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	2	4	

* SPECIALTY ITEMS ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill646E\B\INTEG\Illinois.gov\FWIDOT\Documents\DOT Offices\District 2\Projects\0203312\CAD\data\CAD\sheet\0203312\DRAWN\ndf\utgn	DESIGNED -	REVISED -	1042			(106.107) RS-5	OGLE	196	7	
Default	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -			CONTRACT NO. 64H61				
	PLOT DATE = May-16-2018 03:01:01 PM	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP 80 % FED. 20 % STATE. ROADWAY	STP 5-200K 80 % FED. 20 % STATE. ROADWAY	STP>200K 80 % FED. 20 % STATE. ROADWAY	90 % FED. 10 % STATE. SAFETY
					0005	0005	0005	0021
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	597	339	70	188	
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	405,730	227,096	35,490	143,144	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,058	557	110	391	
	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	20	12		8	
	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	6		4	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	795	429	329	37	
	A2000114	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	5	2	1	2	
	A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	4			4	
	A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	4			4	
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	19,071			19,071	
	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	9,404				9,404
	Z0004405	HOT-MIX ASPHALT SCARIFICATION	SQ YD	212,980	125,510	17,209	70,261	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.6	0.1	0.3	
	Z0034105	MATERIAL TRANSFER DEVICE	TON	32,188	19,701	2,409	10,078	

* SPECIALTY ITEMS ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = ankneydo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. S	SECTION	COUNTY	TOTAL	SHEET
pcw\ill084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Office\Dist\ct 2\Projects\0203312\CAD\at\CAD\posts\0203312\DRAWN\redale.dgn	DRAWN = redale.dgn	CHECKED -	REVISED -			1042	(106,107) RS-5	OGLE	196	9
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 64H61				
	PLOT DATE = May-17-2018 10:31:02 AM	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.

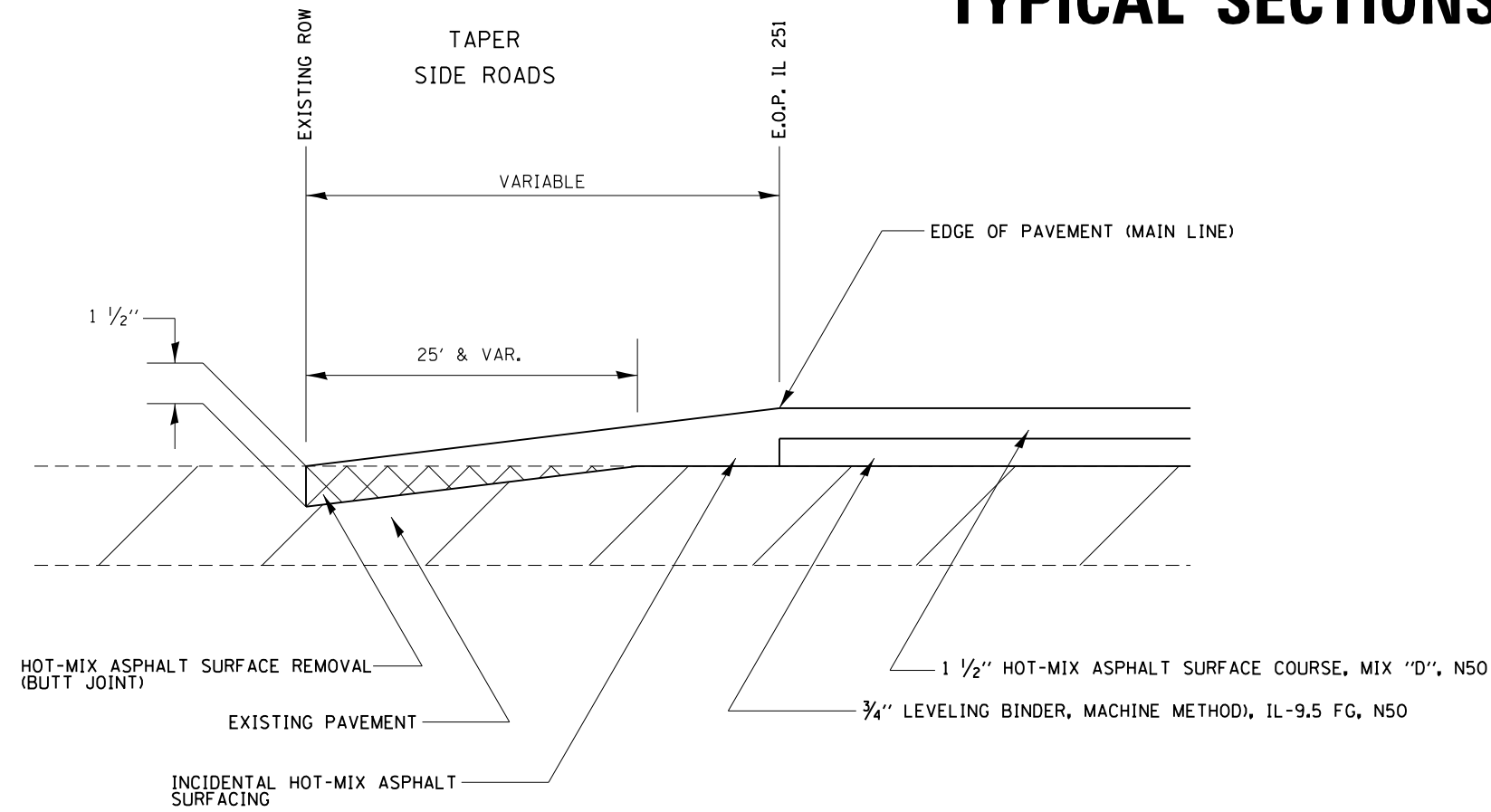
SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL STP	URBAN STP 5-200K	URBAN STP>200K	HSIP
					80 % FED. 20 % STATE, ROADWAY	80 % FED. 20 % STATE. ROADWAY	80 % FED. 20 % STATE. ROADWAY	90 % FED. 10 % STATE. SAFETY
					0005	0005	0005	0021
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	75,438	44,265	5,957	25,216	
	Z0040315	PILOT CAR	DAY	10	6	1	3	
∅	Z0076600	TRAINEES	HOUR	1,000	1,000			
	Z0055100	RUMBLE RESURFACING	SQ YD	267				267
∅	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000			

∅=0042

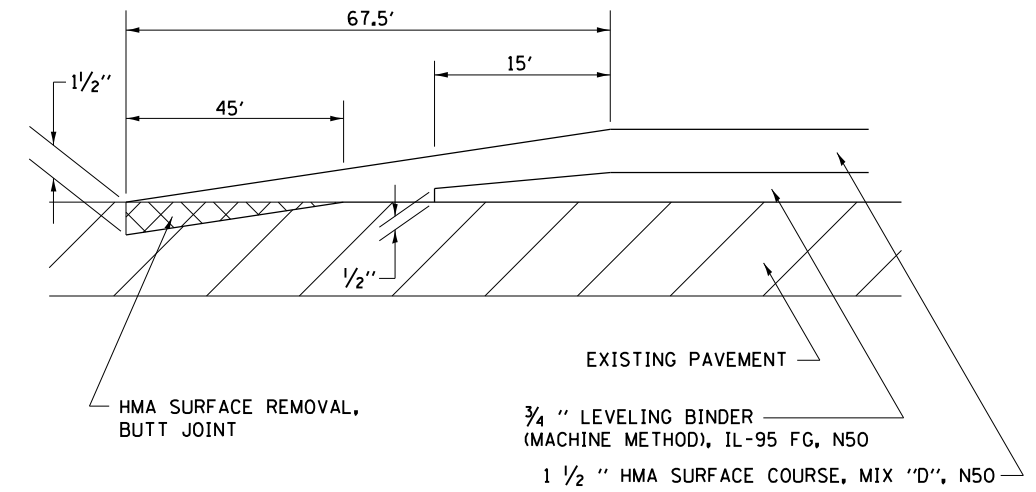
* SPECIALTY ITEMS ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. S	SECTION	COUNTY	TOTAL	SHEET	
pw31084EBDINTEG:Illinois.gov/PW0001/Document/ID	DT Office/IDistrict 2/Project/ID203312/CADDData/CAD/Sheet/ID2	DRAWN	REVISED			1042	(106,107) RS-5	OGLE	196	10	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -				CONTRACT NO. 64H61					
PLOT DATE = May-16-2018 01:29:30 PM	DATE -	REVISED -				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

TYPICAL SECTIONS

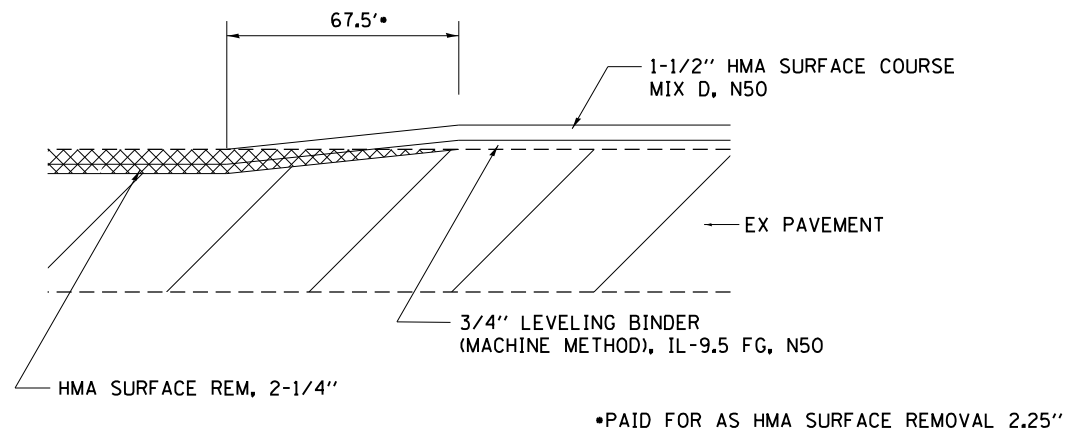


TYPICAL TAPER
 STA 199+43 TO STA 200+10.50
 STA 769+32.50 TO STA 770+00
 STA 789+92 TO STA 790+59.50
 STA 963+66.50 TO STA 964+34



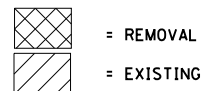
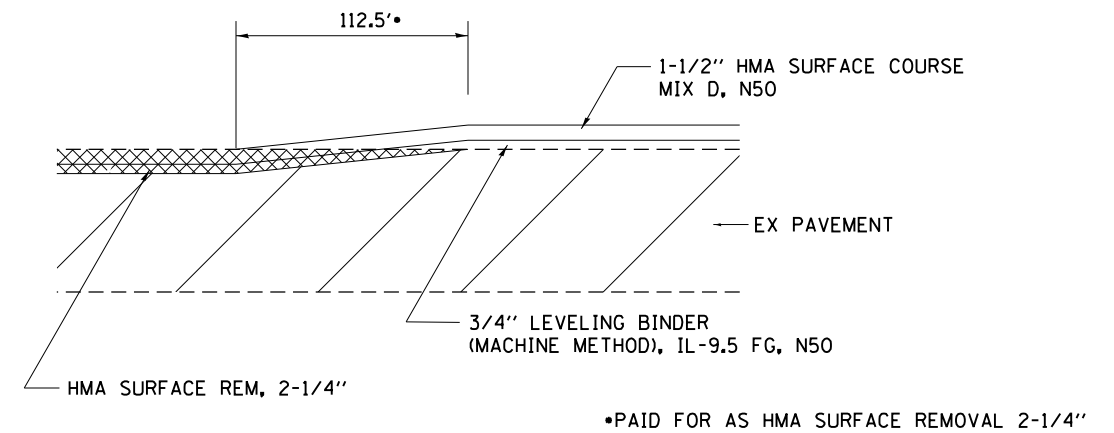
TYPICAL MILLING TAPER

STA 1171+41.50 TO STA 1772+09
 STA 1176+13 TO STA 1176+80
 STA 910+32 TO STA 911+00
 STA 916+00 TO STA 916+67



TYPICAL MILLING TAPER

STA 428+35 TO 429+47.50
 STA 433+45 TO 434+58



*MATCH EXISTING CROSS SLOPES (MINIMUM 1/8" PER FOOT)
 **SEE SCHEDULE FOR LOCATIONS
 HMA SURFACE AND LEVELING BINDER RATE OF APPLICATION: 112 LBS/ SQ YD/ IN

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0203\Drawings\0203312-sh-typical		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106,107) RS-5	OGLE	196	13
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	UNIT	UNIT	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		38	203 + 29 30' LT
56			417 + 75 27' RT
30			418 + 21 27' RT
36			506 + 48 26' LT
	32		728 + 28 31' LT
	42		730 + 00 32' LT
	42		734 + 33 32' RT
	48		750 + 6 31' RT
	39		766 + 20 31' LT
	40		808 + 97 31' RT
	45		818 + 28 33' LT
	48		823 + 57 33' LT
	51		899 + 81 33' LT
<hr/>			
122	387	38	SUBTOTAL
<hr/>			
547			TOTAL

20200100 EARTH EXCAVATION

CU YD	CU YD	CU YD	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		93	199 + 00 - 259 + 00 LT (SB)
922			259 + 00 - 701 + 65 LT (SB)
	100		701 + 65 - 770 + 00 LT (SB)
	426		789 + 92 - 964 + 34 LT (SB)
<hr/>			
922	526	93	SUBTOTAL (LT & RT)
		144	199 + 00 - 259 + 00 RT (NB)
1,112			259 + 00 - 701 + 65 RT (NB)
	126		701 + 65 - 770 + 00 RT (NB)
	434		789 + 92 - 964 + 34 RT (NB)
<hr/>			
1,112	560	144	SUBTOTAL (LT & RT)
<hr/>			
2,034	1,086	237	TOTAL (LT & RT)
<hr/>			
3,357			TOTAL

21101615 TOPSOIL FURNISH AND PLACE, 4"

SQ YD	SQ YD	SQ YD	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		3,151	199 + 00 - 259 + 00 LT (SB)
92,894			259 + 00 - 701 + 65 LT (SB)
	4,658		701 + 65 - 770 + 00 LT (SB)
	15,762		789 + 92 - 964 + 34 LT (SB)
		3,376	199 + 00 - 259 + 00 RT (NB)
95,664			259 + 00 - 701 + 65 RT (NB)
	4,223		701 + 65 - 770 + 00 RT (NB)
	13,737		789 + 92 - 964 + 34 RT (NB)
<hr/>			
188,558	38,380	6,527	SUBTOTAL
<hr/>			
233,465			TOTAL

25000210 SEEDING, CLASS 2A

ACRE	ACRE	ACRE	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		0.65	199 + 00 - 259 + 00 LT (SB)
19.19			259 + 00 - 701 + 65 LT (SB)
	0.96		701 + 65 - 770 + 00 LT (SB)
	3.26		789 + 92 - 964 + 34 LT (SB)
		0.70	199 + 00 - 259 + 00 RT (NB)
19.77			259 + 00 - 701 + 65 RT (NB)
	0.87		701 + 65 - 770 + 00 RT (NB)
	2.84		789 + 92 - 964 + 34 RT (NB)
<hr/>			
38.96	7.93	1.35	SUBTOTAL
<hr/>			
48.25			TOTAL

SCHEDULE OF QUANTITIES

25000400 NITROGEN FERTILIZER NUTRIENT

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP> 200	STP 5-200K	<u>IL 251</u>
1,727		59	199 + 00 - 259 + 00 LT (SB) 259 + 00 - 701 + 65 LT (SB)
	87		701 + 65 - 770 + 00 LT (SB)
	293		789 + 92 - 964 + 34 LT (SB)
1,779		63	199 + 00 - 259 + 00 RT (NB) 259 + 00 - 701 + 65 RT (NB)
	79		701 + 65 - 770 + 00 RT (NB)
	255		789 + 92 - 964 + 34 RT (NB)
<u>3,506</u>	<u>714</u>	<u>122</u>	SUBTOTAL
<u>4,342</u>			TOTAL

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP> 200	STP 5-200K	<u>IL 251</u>
1,727		59	199 + 00 - 259 + 00 LT (SB) 259 + 00 - 701 + 65 LT (SB)
	87		701 + 65 - 770 + 00 LT (SB)
	293		789 + 92 - 964 + 34 LT (SB)
1,779		63	199 + 00 - 259 + 00 RT (NB) 259 + 00 - 701 + 65 RT (NB)
	79		701 + 65 - 770 + 00 RT (NB)
	255		789 + 92 - 964 + 34 RT (NB)
<u>3,506</u>	<u>714</u>	<u>122</u>	SUBTOTAL
<u>4,342</u>			TOTAL

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP> 200	STP 5-200K	<u>IL 251</u>
1,727		59	199 + 00 - 259 + 00 LT (SB) 259 + 00 - 701 + 65 LT (SB)
	87		701 + 65 - 770 + 00 LT (SB)
	293		789 + 92 - 964 + 34 LT (SB)
1,779		63	199 + 00 - 259 + 00 RT (NB) 259 + 00 - 701 + 65 RT (NB)
	79		701 + 65 - 770 + 00 RT (NB)
	255		789 + 92 - 964 + 34 RT (NB)
<u>3,506</u>	<u>714</u>	<u>122</u>	SUBTOTAL
<u>4,342</u>			TOTAL

25000750 MOWING

ACRE RURAL	ACRE URBAN	ACRE URBAN	LOCATION
	STP> 200	STP 5-200K	<u>IL 251</u>
19.19		0.65	199 + 00 - 259 + 00 LT (SB) 259 + 00 - 701 + 65 LT (SB)
	0.96		701 + 65 - 770 + 00 LT (SB)
	3.26		789 + 92 - 964 + 34 LT (SB)
19.77		0.70	199 + 00 - 259 + 00 RT (NB) 259 + 00 - 701 + 65 RT (NB)
	0.87		701 + 65 - 770 + 00 RT (NB)
	2.84		789 + 92 - 964 + 34 RT (NB)
<u>38.96</u>	<u>7.93</u>	<u>1.35</u>	SUBTOTAL
<u>48.25</u>			TOTAL

SCHEDULE OF QUANTITIES

25100125 MULCH, METHOD 3

ACRE	ACRE	ACRE	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		0.00	199 + 00 - 259 + 00 LT (SB)
11.06			259 + 00 - 701 + 65 LT (SB)
	0.00		701 + 65 - 770 + 00 LT (SB)
	0.05		789 + 92 - 964 + 34 LT (SB)
		0.00	199 + 00 - 259 + 00 RT (NB)
11.64			259 + 00 - 701 + 65 RT (NB)
	0.00		701 + 65 - 770 + 00 RT (NB)
	0.00		789 + 92 - 964 + 34 RT (NB)
<u>22.70</u>	<u>0.05</u>	<u>0.00</u>	SUBTOTAL
<u>22.75</u>			TOTAL

25100630 EROSION CONTROL BLANKET

SQ YD	SQ YD	SQ YD	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		5,333	199 + 00 - 259 + 00 LT (SB)
39,347			259 + 00 - 701 + 65 LT (SB)
	6,076		701 + 65 - 770 + 00 LT (SB)
	15,504		789 + 92 - 964 + 34 LT (SB)
		5,333	199 + 00 - 259 + 00 RT (NB)
39,347			259 + 00 - 701 + 65 RT (NB)
	6,076		701 + 65 - 770 + 00 RT (NB)
	15,504		789 + 92 - 964 + 34 RT (NB)
<u>78,693</u>	<u>43,159</u>	<u>10,667</u>	SUBTOTAL
<u>132,519</u>			TOTAL

25100900 TURF REINFORCEMENT MAT

SQ YD	SQ YD	SQ YD	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
			298 + 00 12'X15' RT, LIND RD
20			298 + 59 12'X15' RT, LIND RD
1,333		- 408 + 00	600'X20' RT
17			536 + 85 10'X15' LT, DUTCH RD
17			537 + 22 10'X15' LT, DUTCH RD
<u>1,407</u>	<u>0</u>	<u>0</u>	SUBTOTAL
<u>1,407</u>			TOTAL

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	POUND	POUND	LOCATION
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
110		- 408 + 00	600'X20' RT RESHAPING DITCH
		260	199 + 00 - 259 + 00 LT (SB)
7,677			259 + 00 - 701 + 65 LT (SB)
	385		701 + 65 - 770 + 00 LT (SB)
	1,303		789 + 92 - 964 + 34 LT (SB)
		279	199 + 00 - 259 + 00 RT (NB)
7,906			259 + 00 - 701 + 65 RT (NB)
	349		701 + 65 - 770 + 00 RT (NB)
	1,135		789 + 92 - 964 + 34 RT (NB)
<u>15,693</u>	<u>3,172</u>	<u>539</u>	SUBTOTAL
<u>19,404</u>			TOTAL

SCHEDULE OF QUANTITIES

40600990 TEMPORARY RAMP

28000305 TEMPORARY DITCH CHECKS

FOOT	FOOT	FOOT	LOCATION
RURAL	URBAN	URBAN	
			<u>IL 251</u>
			STP> 200 STP 5-200K
16			298 + 00 RT, LIND RD
16			298 + 59 RT, LIND RD
112			402 + 00 - 408 + 00 RT
16			536 + 85 LT, DUTCH RD
16			537 + 22 LT, DUTCH RD
176	0	0	SUBTOTAL
176			TOTAL

40600627 LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50
(TO BE USED FOR EDGE PAVEMENT REPAIR)

TON	TON	TON	LOCATION	(SEE D.S. 38.4)
RURAL	URBAN	URBAN		
			<u>IL 251</u>	
			STP> 200 STP 5-200K	
3			432 + 25 - 432 + 77 LT	
7			433 + 36 - 434 + 80 RT	
6			433 + 67 - 434 + 95 LT	
25			670 + 00 - 675 + 00 LT	
	10		746 + 00 - 748 + 00 RT	
41	10	0	SUBTOTAL	
51			TOTAL	

SQ YD	SQ YD	SQ YD	LOCATION
RURAL	URBAN	URBAN	
			<u>IL 251</u>
			STP> 200 STP 5-200K
		56	199 + 43 (7.5' @ 67.5')
		78	217 + 88 (7.5' @ 93') LT, Scott Ave
		78	218 + 3 (7.5' @ 94') RT, Twombly Rd
		60	228 + 16 (7.5' @ 72') LT, Hillcrest Ave
		54	251 + 21 (7.5' @ 65') LT, Maple Ave
		71	258 + 86 (7.5' @ 85') LT, Oak Ave
61			271 + 80 (7.5' @ 73') LT, Hemstock
37			298 + 30 (7.5' @ 44') RT, Lind Rd
42			351 + 63 (7.5' @ 50') RT, Bethel Rd
43			351 + 63 (7.5' @ 51') LT, Bethel Rd
94			428 + 35 (7.5' @ 112.5') IL 251
56			430 + 81 (7.5' @ 67.5') RT, IL 64
56			430 + 81 (7.5' @ 67.5') LT, IL 64
94			433 + 45 (7.5' @ 112.5') IL 251
32			484 + 00 (7.5' @ 38') RT, Mowers Rd
37			484 + 00 (7.5' @ 44') LT, Mowers Rd
40			537 + 5 (7.5' @ 48') LT, Dutch Rd
65			592 + 74 (7.5' @ 78') RT, Lindenwood Rd
50			592 + 74 (7.5' @ 60') LT, Lindenwood Rd
53			648 + 61 (7.5' @ 63') LT, Holcomb Rd
52			649 + 20 (7.5' @ 62') RT, Holcomb Rd
	43		701 + 76 (7.5' @ 51') RT, Big Mound Rd
	48		701 + 76 (7.5' @ 58') LT, Big Mound Rd
	46		755 + 4 (7.5' @ 55') RT, 1st Street
	33		807 + 53 (7.5' @ 39') RT, Eddy Rd
	56		910 + 32 (7.5' @ 67.5') RT, IL 251
	126		913 + 55 (7.5' @ 151') LT, Scott Rd
	56		916 + 00 (7.5' @ 67.5') RT, IL 251
	40		964 + 34 (7.5' @ 24')
809	448	397	SUBTOTAL
1,654			TOTAL

SCHEDULE OF QUANTITIES

40601005 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

<u>TON</u>	<u>TON</u>	<u>TON</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
224	224	224	AS DIRECTED BY THE R.E
<hr/>			
224	224	224	SUBTOTAL
<hr/>			
672			TOTAL

44000165 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

<u>SQ YD</u>	<u>SQ YD</u>	<u>SQ YD</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
12			432 + 25 - 432 + 77 (52' @ 2') LT
32			433 + 36 - 434 + 80 (144' @ 2') RT
28			433 + 67 - 434 + 95 (128' @ 2') LT
111			670 + 00 - 675 + 00 (500' @ 2') LT
	44		746 + 00 - 748 + 00 (200' @ 2') RT
<hr/>			
183	44	0	SUBTOTAL
<hr/>			
227			TOTAL

44002232 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8"

<u>SQ YD</u>	<u>SQ YD</u>	<u>SQ YD</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
500	500	500	AS DIRECTED BY THE R.E
<hr/>			
500	500	500	SUBTOTAL
<hr/>			
1,500			TOTAL

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT

<u>FOOT</u>	<u>FOOT</u>	<u>FOOT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
	2,200		933 + 69.0 - 955 + 69 RT WIDENING CRACK
	2,200		933 + 69.0 - 955 + 69 LT WIDENING CRACK
<hr/>			
52			(TO BE USED FOR EDGE PAVEMENT REPAIR)
144			432 + 25 - 432 + 77 LT
128			433 + 36 - 434 + 80 RT
500			433 + 67 - 434 + 95 LT
	200		670 + 00 - 675 + 00 LT
			746 + 00 - 748 + 00 RT
<hr/>			
824	4,600	0	SUBTOTAL
<hr/>			
5,424			TOTAL

50104400 CONCRETE HEADWALL REMOVAL

<u>EACH</u>	<u>EACH</u>	<u>EACH</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
2			536 + 86.0 - 537 + 18 LT, DUTCH RD
<hr/>			
2			TOTAL

50105220 PIPE CULVERT REMOVAL

<u>FOOT</u>	<u>FOOT</u>	<u>FOOT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
52			298 + 3.0 - 298 + 55 26' RT, LIND RD
32			536 + 86.0 - 537 + 18 34' LT, DUTCH RD
<hr/>			
84			TOTAL

SCHEDULE OF QUANTITIES

54213453 END SECTIONS 18"

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
2			298 + 3.0 - 298 + 55 26' RT, LIND RD
2			536 + 86.0 - 537 + 18 34' LT, DUTCH RD
<u>4</u>			TOTAL

542D0223 PIPE CULVERTS, CLASS D, TYPE 1 18"

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
52			298 + 3.0 - 298 + 55 26' RT, LIND RD
32			536 + 86.0 - 537 + 18 34' LT, DUTCH RD
<u>84</u>			TOTAL

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
137.5			532 + 97.5 - 534 + 35 RT
25.0			534 + 35 - 534 + 60 RT
75.0			534 + 60 - 535 + 35 RT
75			533 + 61 - 534 + 36 LT
25			534 + 36 - 534 + 61 LT
125			534 + 61 - 535 + 86 LT
87.5			586 + 32 - 587 + 19.5 LT
12.5			587 + 19.5 - 587 + 32 LT
150			587 + 32 - 588 + 82 LT
	125		766 + 32 - 767 + 57 RT
	37.5		767 + 57 - 767 + 94.5 RT
	62.5		767 + 94.5 - 768 + 57 RT
	62.5		766 + 95.5 - 767 + 58 LT
	37.5		767 + 58 - 767 + 95.5 LT
	137.5		767 + 95.5 - 769 + 33 LT
<u>712.5</u>	<u>462.5</u>	<u>0</u>	SUBTOTAL
<u>1,175</u>			TOTAL

63000030 STRONG POST GUARDRAIL ATTACHED TO CULVERT

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
12.5			534 + 60 - 535 + 35 RT
12.5			533 + 61 - 534 + 36 LT
	25.0		767 + 57 - 767 + 94.5 RT
	25.0		767 + 58 - 767 + 95.5 LT
<u>25.0</u>	<u>50.0</u>	<u>0</u>	SUBTOTAL
<u>75</u>			TOTAL

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
1			532 + 47.5 - 532 + 97.5 RT
1			535 + 35 - 535 + 85 RT
1			533 + 11 - 533 + 61 LT
1			535 + 86 - 536 + 36 LT
1			585 + 32 - 586 + 32 LT
1			588 + 82 - 589 + 32 LT
	1		765 + 82 - 766 + 32 RT
	1		768 + 57 - 769 + 7 RT
	1		766 + 45.5 - 766 + 95.5 LT
	1		769 + 33 - 769 + 83 LT
<u>6.0</u>	<u>4.0</u>	<u>0</u>	SUBTOTAL
<u>10</u>			TOTAL

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
	1		768 + 45 - 768 + 95 LT
	<u>1</u>		TOTAL

SCHEDULE OF QUANTITIES

63200310 GUARDRAIL REMOVAL

<u>FOOT</u>	<u>FOOT</u>	<u>FOOT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
312.5			532 + 54 - 535 + 67 RT
312.5			533 + 16 - 536 + 26 LT
275.0			586 + 4 - 588 + 85 LT
	325		765 + 80 - 769 + 10 RT
	250		766 + 42 - 768 + 94 LT
900	575	0	SUBTOTAL
1,475			TOTAL

64200108 SHOULDER RUMBLE STRIPS, 8 INCH

<u>FOOT</u>	<u>FOOT</u>	<u>FOOT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		9531	199 + 43 - 259 + 00 RT/LT
70,824			259 + 00 - 701 + 65 RT/LT
	10,936		701 + 65 - 770 + 00 RT/LT
			IL 72 PAVING GAP
	27,907		789 + 92 - 964 + 34 RT/LT
70,824	38,843	9,531	SUBTOTAL
119,198			TOTAL

63500105 DELINEATORS

<u>EACH</u>	<u>EACH</u>	<u>EACH</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
1			532 + 48 RT
1			535 + 85 RT
1			533 + 16 LT
1			536 + 41 LT
1			585 + 80 LT
1			589 + 30 LT
	1		765 + 84 RT
	1		769 + 9 RT
	1		766 + 38 LT
	1		769 + 75 LT
28			259 + 00 - 701 + 65 LT & RT CULVERTS SECTION
	16		701 + 65 - 964 + 34 LT & RT CULVERTS SECTION
34	20	0	SUBTOTAL
54			TOTAL

70300100 SHORT TERM PAVEMENT MARKING

<u>FOOT</u>	<u>FOOT</u>	<u>FOOT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP> 200	STP 5-200K	<u>IL 251</u>
		1,072	199 + 43 - 259 + 00
7,968			259 + 00 - 701 + 65
	4,596		701 + 65 - 957 + 00
	468		957 + 00 - 966 + 00
40			4 ARROWS IL 64
136			STOP BARS IL 64
	80		8 ARROWS SCOTT RD
8,144	5,144	1,072	SUBTOTAL
28,721	(2 LIFTS)		TOTAL

SCHEDULE OF QUANTITIES

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

<u>SQ FT</u> RURAL	<u>SQ FT</u> URBAN	<u>SQ FT</u> URBAN	<u>LOCATION</u>
		238	STP> 200 STP 5-200K <u>IL 251</u>
1,771			199 + 43 - 259 + 00
	1,021		259 + 00 - 701 + 65
	104		701 + 65 - 957 + 00
9			957 + 00 - 966 + 00
30			4 ARROWS IL 64
	18		STOP BARS IL 64
			8 ARROWS SCOTT RD
<u>1,810</u>	<u>1,143</u>	<u>238</u>	SUBTOTAL
<u>3,191</u>			TOTAL

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

<u>SQ FT</u> RURAL	<u>SQ FT</u> URBAN	<u>SQ FT</u> URBAN	<u>LOCATION</u>
			STP> 200 STP 5-200K <u>IL 64</u>
15.6			1772 + 5 LT TURN ARROW, WB IL 64
15.6			1772 + 80 LT TURN ARROW, WB IL 64
15.6			1774 + 26 LT TURN ARROW, EB IL 64
15.6			1775 + 1 LT TURN ARROW, EB IL 64
			<u>IL 251</u>
	15.6		911 + 7 LT TURN ARROW SCOTT RD
	15.6		911 + 66 LT TURN ARROW SCOTT RD
	15.6		912 + 24 LT TURN ARROW SCOTT RD
	15.6		912 + 82 LT TURN ARROW SCOTT RD
	15.6		914 + 27 RT TURN ARROW SCOTT RD
	15.6		914 + 92 RT TURN ARROW SCOTT RD
	15.6		915 + 57 RT TURN ARROW SCOTT RD
	15.6		916 + 22 RT TURN ARROW SCOTT RD
<u>62</u>	<u>125</u>	<u>0</u>	SUBTOTAL
			<u>IL 251</u>
	29.0		777 + 72 - 777 + 64.4 AHEAD
	20.8		777 + 18 - 777 + 6.71 STOP
	29.0		790 + 31 - 790 + 39.3 AHEAD
	20.8		790 + 89 - 790 + 97.3 STOP
			<u>IL 72</u>
	20.8		1780 + 51 - 1780 + 58.6 STOP
	29.0		1781 + 9 - 1781 + 16.7 AHEAD
	29.0		1789 + 80 - 1789 + 88 AHEAD
	20.8		1790 + 38 - 1790 + 46 STOP
<u>0</u>	<u>199</u>	<u>0</u>	SUBTOTAL
<u>386</u>			TOTAL

SCHEDULE OF QUANTITIES

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>
110			427 + 10 - 430 + 40 N.B. CL SKIP DASHES WHITE IL64
30			429 + 50 - 430 + 40 S.B. CL SKIP DASHES WHITE IL 64
30			431 + 21 - 432 + 12 N.B. CL SKIP DASHES WHITE IL64
110			431 + 21 - 434 + 51 S.B. CL SKIP DASHES WHITE IL 64
	213		957 + 95 - 964 + 34 N.B. CL SKIP DASHES WHITE
	213		957 + 95 - 964 + 34 S.B. CL SKIP DASHES WHITE
<hr/>			
280	426	0	SUBTOTAL
			<u>IL 251</u>
2,624			423 + 87 - 430 + 43 FLUSH MEDIAN (YELLOW), IL 64
2,852			431 + 19 - 438 + 32 FLUSH MEDIAN (YELLOW), IL 64
	748		784 + 56 - 786 + 43 FLUSH MEDIAN (YELLOW), IL 72
	680		787 + 35 - 789 + 5 FLUSH MEDIAN (YELLOW), IL 72
	2,876		905 + 83 - 913 + 2 FLUSH MEDIAN (YELLOW) SCOTT RD
	3,080		914 + 2 - 921 + 72 FLUSH MEDIAN (YELLOW) SCOTT RD
	3,088		951 + 30 - 959 + 2 FLUSH MEDIAN (YELLOW)
			<u>IL 64</u>
632			1771 + 42 - 1771+ 42 FLUSH MEDIAN (YELLOW), IL 64
1,100			1774 + 6 - 1774+ 6 FLUSH MEDIAN (YELLOW), IL 64
			<u>IL 72</u>
	300		1780 + 59 - 1783+ 59 FLUSH MEDIAN (WHITE), IL 72
	1,168		1781 + 55 - 1784+ 47 FLUSH MEDIAN (YELLOW), IL 72
	680		1785 + 39 - 1787+ 9 FLUSH MEDIAN (YELLOW), IL 72
<hr/>			
7,208	12,620	0	SUBTOTAL
<hr/>			
20,534			TOTAL

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 64</u>
125			1771 + 85 - 1773+ 10 WB TURN LANES LINES, SOLID WHITE IL 64
125			1773 + 96 - 1775+ 21 EB TURN LANES LINES, SOLID WHITE IL 64
			<u>IL 251</u>
	215		910 + 87 - 913 + 2 NB TURN LANES LINES, SOLID WHITE SCOTT RD
	239		914 + 3 - 916 + 42 SB TURN LANES LINES, SOLID WHITE SCOTT RD
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250	454	0	SUBTOTAL
			<u>IL 251</u>
560			430 + 81 ISLAND PAINT, SOLID WHITE IL 64
	608		786 + 90 ISLAND PAINT, SOLID WHITE IL 72
	140		912 + 93 ISLAND PAINT, SOLID WHITE SCOTT RD
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560	140	0	SUBTOTAL
<hr/>			
1,404			TOTAL

SCHEDULE OF QUANTITIES

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION	FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
			STP> 200 STP 5-200K <u>IL 251</u>				STP> 200 STP 5-200K <u>IL 251</u>
						28	218 + 00 RT & LT STOP BAR AT TWOMBLY RD
178			423 + 87 - 430 + 43 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64			14	228 + 15 LT STOP BAR AT HILLCREST AVE
175			431 + 19 - 438 + 32 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64			14	251 + 21 LT STOP BAR AT MAPLE AVE
	81		784 + 56 - 789 + 5 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 72			14	258 + 85 LT STOP BAR AT OAK RD
	130		905 + 83 - 913 + 2 DIAGONALS (FLUSH MEDIAN) YELLOW SCOTT RD	14			271 + 79 LT STOP BAR AT HEMSTOCK RD
	296		914 + 2 - 921 + 72 DIAGONALS (FLUSH MEDIAN) YELLOW SCOTT RD	14			298 + 31 RT STOP BAR AT LIND RD
	29		951 + 30 - 959 + 2 DIAGONALS (FLUSH MEDIAN) YELLOW	28			351 + 62 RT & LT STOP BAR AT BETHEL RD
			<u>IL 64</u>	25			430 + 42 RT STOP BAR AT IL 64 RD
5			1771 + 42 - 1771 + 42 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64	25			431 + 20 LT STOP BAR AT IL 64 RD
47			1774 + 6 - 1774 + 6 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64	28			484 + 2 RT & LT STOP BAR AT MOWERS RD
			<u>IL 72</u>	14			537 + 4 LT STOP BAR AT DUTCH RD
	211		1780 + 59 - 1783 + 59 FLUSH MEDIAN (WHITE), IL 72	28			592 + 70 RT & LT STOP BAR AT LINDENWOOD RD
	115		1781 + 55 - 1787 + 9 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 72	28			648 + 56 RT & LT STOP BAR AT HOLCOMB RD
			SUBTOTAL			28	701 + 79 RT & LT STOP BAR AT BIG MOUND RD
353	862	0				14	755 + 5 RT STOP BAR AT 1ST STREET
			<u>IL 251</u>			14	807 + 55 RT STOP BAR AT EDDY RD
340			430 + 84 ISLAND DIAGONALS PAINT, SOLID WHITE IL 64			32	913 + 45 LT STOP BAR AT SCOTT RD
	388		786 + 90 ISLAND DIAGONALS PAINT, SOLID WHITE IL 72	13			<u>IL 64</u>
	54		912 + 93 ISLAND DIAGONALS PAINT, SOLID WHITE SCOTT RD	20			1773 + 00 RT STOP BAR AT IL 64 RD
			SUBTOTAL	20			1773 + 4 LT STOP BAR AT IL 64 RD
340	54	0		20			1773 + 4 RT STOP BAR AT IL 64 RD
			TOTAL	14			1773 + 10 RT STOP BAR AT IL 64 RD
1,609				14			1773 + 96 LT STOP BAR AT IL 64 RD
				14			1774 + 6 LT STOP BAR AT IL 64 RD
				20			1774 + 2 LT STOP BAR AT IL 64 RD
				20			1774 + 1 LT STOP BAR AT IL 64 RD
							<u>IL 72</u>
						14	1784 + 47 RT STOP BAR AT IL 72
						18	1784 + 53 RT STOP BAR AT IL 72
						18	1784 + 57 LT STOP BAR AT IL 72
						18	1785 + 30 RT STOP BAR AT IL 72
						18	1785 + 32 LT STOP BAR AT IL 72
						14	1785 + 38 LT STOP BAR AT IL 72
			SUBTOTAL				
			TOTAL	339	188	70	

SCHEDULE OF QUANTITIES

78001110 PAINT PAVEMENT MARKING - LINE 4"

78001110 PAINT PAVEMENT MARKING - LINE 4" (CONTINUED)

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION	*2 COATS YELLOW			
	STP> 200	STP 5-200K	<u>IL 251</u>				
		435	199 + 43	- 202 + 91	NO PASS	EB	
		145	202 + 91	- 208 + 72	CL SKIP	DASHES	
		1,146	202 + 72	- 211 + 89	NO PASS	WB	
		3,484	211 + 89	- 229 + 31	DOUBLE	CENTER LINE	
					TWOMBLY RD		
		330	229 + 31	- 231 + 95	NO PASS	EB	
		676	231 + 95	- 259 + 00	CL SKIP	DASHES	
261			259 + 00	- 269 + 44	CL SKIP	DASHES	
990			269 + 44	- 277 + 36	NO PASS	WB	
53			277 + 36	- 279 + 47	CL SKIP	DASHES	
793			279 + 47	- 285 + 81	NO PASS	EB	
3,353			285 + 81	- 419 + 92	CL SKIP	DASHES	
					BETHEL RD		
858			419 + 92	- 426 + 78	NO PASS	WB	
251			426 + 78	- 436 + 82	CL SKIP	DASHES	
					IL 64		
594			436 + 82	- 441 + 57	NO PASS	EB	
290			441 + 57	- 453 + 18	CL SKIP	DASHES	
1,320			453 + 18	- 463 + 74	NO PASS	WB	
1,690			463 + 74	- 472 + 19	DOUBLE	CENTER LINE	
					MOWERS RD		
1,584			472 + 19	- 484 + 86	NO PASS	EB	
1,981			484 + 86	- 500 + 71	NO PASS	WB	
1,900			500 + 71	- 510 + 21	DOUBLE	CENTER LINE	
1,254			510 + 21	- 520 + 24	NO PASS	EB	
					DUTCH RD		
713			520 + 24	- 548 + 75	CL SKIP	DASHES	
924			548 + 75	- 556 + 14	NO PASS	WB	
79			556 + 14	- 559 + 31	CL SKIP	DASHES	
925			559 + 31	- 566 + 71	NO PASS	EB	
1,927			566 + 71	- 643 + 79	CL SKIP	DASHES	
					LINDENWOOD RD		
330			643 + 79	- 646 + 43	NO PASS	WB	
1,056			646 + 43	- 651 + 71	DOUBLE	CENTER LINE	
265			651 + 71	- 653 + 83	NO PASS	EB	
541			653 + 83	- 675 + 47	CL SKIP	DASHES	
793			675 + 47	- 681 + 81	NO PASS	WB	
26			681 + 81	- 682 + 86	CL SKIP	DASHES	
1,056			682 + 86	- 691 + 31	NO PASS	EB	
259			691 + 31	- 701 + 65	CL SKIP	DASHES	

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION	*2 COATS WHITE			
	STP> 200	STP 5-200K	<u>IL 251</u>				
					BIG MOUND RD		
	1,101		701 + 65	- 745 + 70	CL SKIP	DASHES	
	990		745 + 70	- 753 + 62	NO PASS	WB	
	950		753 + 62	- 758 + 37	DOUBLE	CENTER LINE	
	594		758 + 37	- 763 + 12	NO PASS	EB	
	172		763 + 12	- 769 + 98	CL SKIP	DASHES	
	924		769 + 98	- 777 + 37	NO PASS	WB	
1,438			777 + 37	- 784 + 56	DOUBLE	CENTER LINE	
					IL 72 PAVING GAP		
1,181			789 + 5	- 798 + 50	NO PASS	EB	
1,109			798 + 50	- 842 + 85	CL SKIP	DASHES	
1,320			842 + 85	- 853 + 41	NO PASS	WB	
1,254			853 + 41	- 863 + 44	NO PASS	EB	
225			863 + 44	- 872 + 42	CL SKIP	DASHES	
990			872 + 42	- 880 + 34	NO PASS	WB	
1,188			880 + 34	- 889 + 84	NO PASS	EB	
251			889 + 84	- 899 + 87	CL SKIP	DASHES	
793			899 + 87	- 906 + 21	NO PASS	WB	
					SCOTT RD		
409			906 + 21	- 922 + 58	CL SKIP	DASHES	
2,218			922 + 58	- 933 + 67	DOUBLE	CENTER LINE	
1,254			933 + 67	- 943 + 70	NO PASS	EB	
172			943 + 70	- 950 + 56	CL SKIP	DASHES	
594			950 + 56	- 955 + 31	NO PASS	WB	
528			955 + 31	- 957 + 95	DOUBLE	CENTER LINE	
26,064	19,652	6,217	SUBTOTAL				
103,866 (2 COATS YELLOW)			TOTAL				

SCHEDULE OF QUANTITIES

72501000 TERMINAL MARKER - DIRECT APPLIED

X0327980 PAVEMENT MARKING REMOVAL - WATER BLASTING

<u>EACH</u>	<u>EACH</u>	<u>EACH</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP>	200 STP	5-200K <u>IL 251</u>
1			532 + 47.5RT
1			535 + 85 RT
1			533 + 11 LT
1			536 + 36 LT
1			585 + 32 LT
1			589 + 32 LT
	1		765 + 82 RT
	1		769 + 7 RT
	1		766 + 46 LT
	1		769 + 83 LT
<hr/>			
6	4	0	SUBTOTAL
<hr/>			
10			TOTAL

<u>SQ_FT</u>	<u>SQ_FT</u>	<u>SQ_FT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP>	200 STP	5-200K <u>IL 251</u>
			777 + 72 - 777 + 64.4AHEAD
	29		777 + 18 - 777 + 6.71STOP
	21		784 + 56 - 786 + 43 FLUSH MEDIAN (YELLOW), IL 72
	1,496		786 + 90 ISLAND PAINT, SOLID WHITE IL 72
	7,920		787 + 35 - 789 + 5 FLUSH MEDIAN (YELLOW), IL 72
	1,360		790 + 31 - 790 + 39.3AHEAD
	29		790 + 89 - 790 + 97.3 STOP
	21		<u>IL 72</u>
	21		1780 + 51 - 1780 + 58.6 STOP
	4,200		1780 + 59 - 1783 + 59 FLUSH MEDIAN (WHITE), IL 72
	29		1781 + 9 - 1781 + 16.7AHEAD
	2,336		1781 + 55 - 1784 + 47 FLUSH MEDIAN (YELLOW), IL 72
	28		1784 + 47 RT STOP BAR AT IL 72
	36		1784 + 53 RT STOP BAR AT IL 72
	36		1784 + 57 LT STOP BAR AT IL 72
	36		1785 + 30 RT STOP BAR AT IL 72
	36		1785 + 32 LT STOP BAR AT IL 72
	28		1785 + 38 LT STOP BAR AT IL 72
	1,360		1785 + 39 - 1787 + 9 FLUSH MEDIAN (YELLOW), IL 72
	29		1789 + 80 - 1789 + 88 AHEAD
	21		1790 + 38 - 1790 + 46 STOP
<hr/>			
0	19,071	0	SUBTOTAL
<hr/>			
19,071			TOTAL

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

<u>EACH</u>	<u>EACH</u>	<u>EACH</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP>	200 STP	5-200K <u>IL 251</u>
		329	199 + 43 - 259 + 00
329			259 + 00 - 429 + 84
100			580 + 69 - 701 + 65
	31		701 + 65 - 707 + 79
	6		789 + 92 - 888 + 49
<hr/>			
429	37	329	SUBTOTAL
<hr/>			
795			TOTAL

X2020410 EARTH EXCAVATION (SPECIAL)

CU YD	CU YD	CU YD	LOCATION
RURAL	URBAN	URBAN	(SEE WRITTEN SPECIAL PROVISION)
STP> 200 STP 5-200K <u>IL 251</u>			
		424	199 + 00 - 259 + 00 LT (SB)
2,548			259 + 00 - 701 + 65 LT (SB)
	424		701 + 65 - 770 + 00 LT (SB)
	1,184		789 + 92 - 964 + 34 LT (SB)
2,548	1,608	424	SUBTOTAL (LT)
		384	199 + 00 - 259 + 00 RT (NB)
2,687			259 + 00 - 701 + 65 RT (NB)
	450		701 + 65 - 770 + 00 RT (NB)
	1,303		789 + 92 - 964 + 34 RT (NB)
2,687	1,753	384	SUBTOTAL (RT)
5,235	3,361	808	TOTAL (LT & RT)
9,404			TOTAL

A2000114 TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED

EACH	EACH	EACH	LOCATION
RURAL	URBAN	URBAN	AS DIRECTED BY THE R.E.
STP> 200 STP 5-200K <u>IL 251</u>			
		1	199 + 43 - 259 + 00
2			259 + 00 - 701 + 65
	2		701 + 65 - 964 + 34
2	2	1	SUBTOTAL
5			TOTAL

A2002914 TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED

EACH	EACH	EACH	LOCATION
RURAL	URBAN	URBAN	AS DIRECTED BY THE R.E.
STP> 200 STP 5-200K <u>IL 251</u>			
		4	701 + 65 - 964 + 34
0	4	0	SUBTOTAL
4			TOTAL

A2006514 TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED

EACH	EACH	EACH	LOCATION
RURAL	URBAN	URBAN	AS DIRECTED BY THE R.E.
STP> 200 STP 5-200K <u>IL 251</u>			
		4	701 + 65 - 964 + 34
0	4	0	SUBTOTAL
4			TOTAL

Z0034105 MATERIAL TRANSFER DEVICE

TON	TON	TON	LOCATION
RURAL	URBAN	URBAN	
STP> 200 STP 5-200K <u>IL 251</u>			
		964	199 + 43 - 259 + 00 LEVEL BINDER (MM) IL 9.5, N50
7,842			259 + 00 - 701 + 65 LEVEL BINDER (MM) IL 9.5, N50
	4,118		701 + 65 - 964 + 34 LEVEL BINDER (MM) IL 9.5, N50
		1,446	199 + 43 - 259 + 00 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
11,859			259 + 00 - 701 + 65 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
	5,960		701 + 65 - 964 + 34 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
19,701	10,078	2,409	SUBTOTAL
32,188			TOTAL

Z0033700 LONGITUDINAL JOINT SEALANT

FOOT	FOOT	FOOT	LOCATION
RURAL	URBAN	URBAN	(SEE WRITTEN SPECIAL PROVISION)
STP> 200 STP 5-200K <u>IL 251</u>			
		5,957	199 + 43 - 259 + 00 CENTER LINE (MAIN LINE)
44,265			259 + 00 - 701 + 65 CENTER LINE (MAIN LINE)
	6,835		701 + 65 - 770 + 00 CENTER LINE (MAIN LINE)
			IL 72 PAVING GAP
	17,442		789 + 92 - 964 + 34 CENTER LINE (MAIN LINE)
	400		914 + 00 - 918 + 00 SB TURN LANE
			<u>IL 64</u>
	539		1171 + 41 - 1176 + 80 IL 64
44,265	25,216	5,957	SUBTOTAL
75,438			TOTAL

Z0040315 PILOT CAR

DAY	DAY	DAY	LOCATION
RURAL	URBAN	URBAN	
	STP>	200 STP	5-200K <u>IL 251</u>
		1	199 + 43.0 - 259 + 00
6			259 + 00 - 701 + 65
	3		701 + 65.0 - 964 + 34
6	3	1	SUBTOTAL
10			TOTAL

Z0055100 RUMBLE RESURFACING

SQ YD	SQ YD	SQ YD	LOCATION
RURAL	URBAN	URBAN	
	STP>	200 STP	5-200K <u>IL 251</u>
61			425 + 55.0 - 425 + 80 RT
53			436 + 20.0 - 436 + 45 LT
	36		790 + 50.0 - 790 + 75 LT
			<u>IL 64</u>
61			1771 + 00 - 1771 + 25 RT
56			1776 + 00 - 1776 + 25 LT
231	36	0	SUBTOTAL
267			TOTAL

EARTH WORK SCHEDULE

LOCATION	EARTH EXC (CUT) CU YD	EARTH EXC (SPECIAL) (CUT) CU YD	TOTAL EARTH EXC (CUT) CU YD	EARTH EXC ADJ SHRINK 25% CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (-) CU YD
IL 251 - LT (SB)						
199+00 - 259+00	93	424	517	388	75	313
259+00 - 701+65	922	2,548	3,470	2,603	1,746	857
701+65 - 770+00	100	424	524	393	215	178
789+92 - 964+34	426	1,184	1,610	1,208	391	817
LT (SB) Totals		4,580	6,121	4,591	2,427	2,164
IL 251 - RT (NB)						
199+00 - 259+00	144	384	528	396	85	311
259+00 - 701+65	1,112	2,687	3,799	2,849	1,504	1,345
701+65 - 770+00	126	450	576	432	138	294
789+92 - 964+34	434	1,303	1,737	1,303	260	1,043
RT (NB) Totals		4,824	6,640	4,980	1,987	2,993
TOTAL	3,357	9,404	12,761	9,571	4,414	5,157

BITUMINOUS SCHEDULE

HOT-MIX ASPHALT SCHEDULE

40600290 *40600627 ***40603310 ***40603335 44000158 44000163 48203020 Z0004405

Location	Remarks	Length	Proposed Surface		Bit Materials Tack Coat (Mainline & Shoulder)	Level Binder (MM) IL 9.5 FG N50	HMA Surf. Cse. Mix "C", N50 (Shoulder)	HMA Surf. Cse. Mix "D", N50 (Mainline)	HMA Surface Removal 2 1/4"	HMA Surface Removal 3 1/2"	HMA Shoulders 5 3/4"	HMA Scarification
			Width	Sq Yd	Pound	Ton	Ton	Ton	Sq Yd	Sq Yd	Sq Yd	Sq Yd
Sta 199 + 43	Beginning of Project											
Sta 199 + 43 - 259 + 00		5,957	26	17,209.1	13,105.4	963.7	926.6	1,445.6				17,209.1
Sta 259 + 00 - 424 + 37		16,537	26	47,773.6	36,381.4	2,675.3	2,572.4	4,013.0				47,773.6
Sta 424 + 37 - 426 + 31	NB & SB Varies 14'-26'	194	Var.	862.2	630.5	48.3	30.2	72.4				862.2
Sta 426 + 31 - 436 + 16	NB & SB Main Lane	985	52	5,691.1	4,087.8	318.7	153.2	478.1	5,691.1		1,094.4	
Sta 426 + 31 - 436 + 16	Median Varies 0-14'	985	Var.	766.1	763.4	42.9		766.1				
Sta 436 + 16 - 437 + 30	NB & SB Varies 14'-26'	114	Var.	506.7	370.5	28.4	17.7	42.6				506.7
Sta 437 + 30 - 701 + 65		26,435	26	76,367.8	58,157.0	4,276.6	4,112.1	6,414.9			29,372.2	76,367.8
Sta 701 + 65 - 770 + 00		6,835	26	19,745.6	15,037.0	1,105.8	1,063.2	1,658.6				19,745.6
Sta 770 + 00 - 789 + 92	IL 72 PAVING GAP	1,992										
Sta 789 + 92 - 905 + 83		11,591	26	33,485.1	25,500.2	1,875.2	1,803.0	2,812.7				33,485.1
Sta 905 + 83 - 911 + 00	NB & SB Main Lane	517	26	1,493.6	1,137.4	83.6	24.1	83.6				1,493.6
Sta 905 + 83 - 911 + 00	Median Varies 0-14'	517	Var.	402.1	400.7	22.5		22.5				402.1
Sta 911 + 00 - 916 + 00	NB, SB & Turn Lane	500	38	2,111.1	1,550.0	118.2	23.3	118.2	2,111.1			
Sta 916 + 00 - 918 + 00	NB & SB Main Lane	200	26	577.8	440.0	32.4	9.3	32.4				577.8
Sta 914 + 00 - 918 + 00	Turn Lane	400	13	577.8	490.0	64.7	62.2	48.5			444.4	
Sta 914 + 00 - 918 + 00	Median	400	14	622.2	520.0	34.8		34.8				622.2
Sta 919 + 58 - 921 + 71	Median Varies 0-14'	213	Var.	165.7	165.1	9.3		9.3				165.7
Sta 919 + 58 - 921 + 71	NB & SB Main Lane	213	26	615.3	468.6	34.5	9.9	34.5				615.3
Sta 921 + 71 - 952 + 00		3,029	26	8,750.4	6,663.8	490.0	471.2	735.0				8,750.4
Sta 952 + 00 - 959 + 00	NB & SB Varies 14'-26'	700	Var.	1,555.6	1,225.0	87.1	108.9	130.7				1,555.6
Sta 959 + 00 - 964 + 34	NB & SB Main Lane	534	48	2,848.0	2,055.9	159.5	83.1	239.2				2,848.0
Sta 964 + 34	End of Project											
STA 199+43 TO STA 259+00 SUBTOTAL (URBAN STP 5-200K)					13,105.4	963.7	926.6	1,445.6	-	-	6,618.9	17,209.1
STA 259+00 TO STA 701+65 SUBTOTAL (STP RURAL)					13	100,390.5	7,390.2	6,885.7	6,457.2	-	49,183.3	125,510.2
STA 701+65 TO 964+34 SUBTOTAL (URBAN STP> 200K)						55,653.7	4,117.6	3,658.4	2,111.1	577.8	25,654.4	70,261.3
TOTAL					22	169,149.6	12,471.5	11,470.7	18,491.0	8,568.3	81,456.7	212,980.7

** Bituminous Materials (Track Coat) Rate of Application = 0.05 Lb / Sq Ft on Existing HMA, 0.025 Lb / Sq Ft Between Lifts of HMA Bnder
 *** Hot-Mix Asphalt Rate of Application = 112 Lbs / Sq Yd / in

BITUMINOUS SCHEDULE

HOT-MIX ASPHALT SCHEDULE

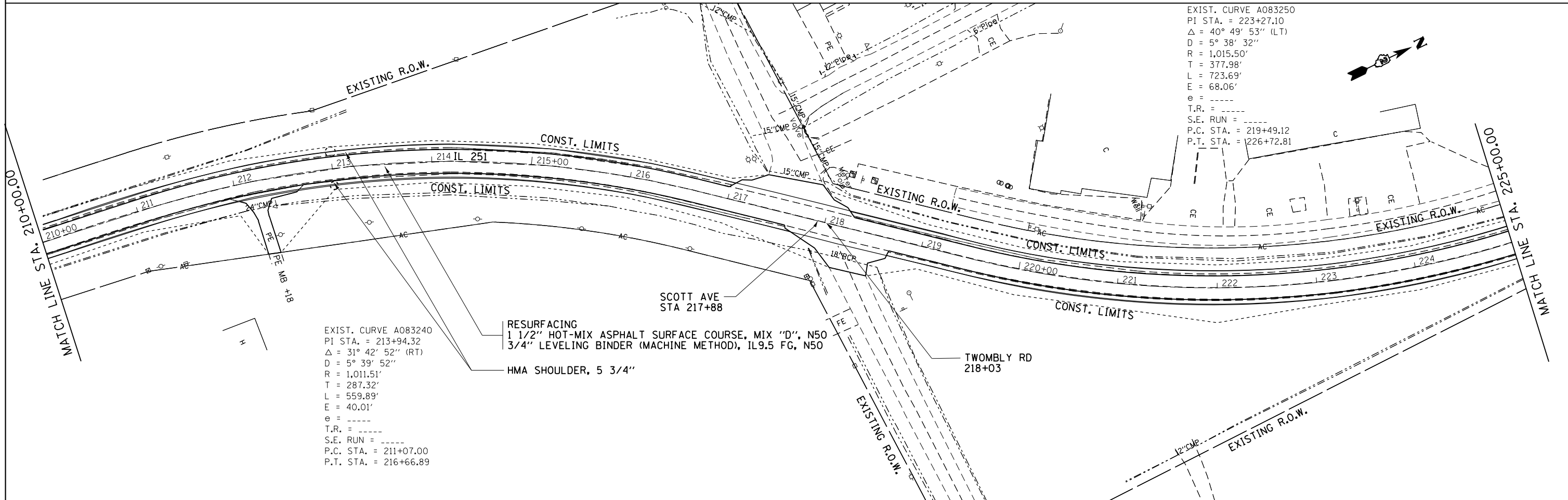
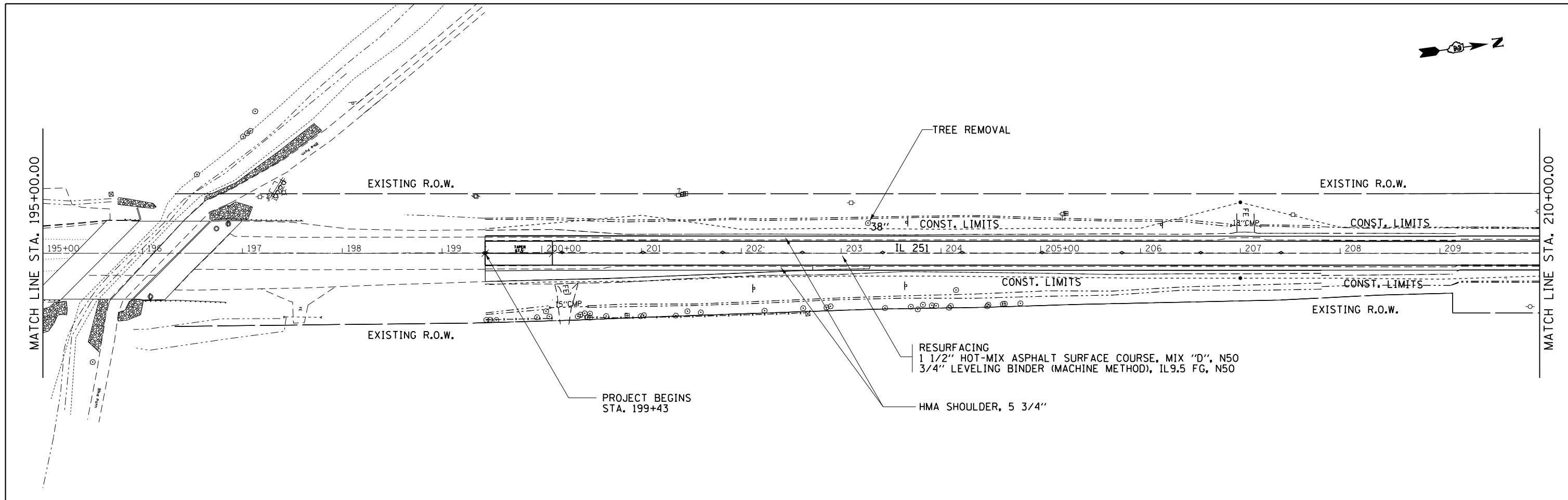
Location	Remarks	Length	Proposed Surface		**40600290	***40600627	40600982	***40603335	***40800050	44000158	
			Ave. Width	Sq Yd	Bit Materials Tack Coat (Mainline) Pound	Level Binder (MM) IL 9.5 FG N50 Ton	HMA Surface Removal Butt Joint Sq Yd	HMA Surf. Cse. Mix "D", N50 (Mainline) Ton	Incidental Hot-Mix Asphalt Surfacing Ton	HMA Surface Removal 2 1/4" Sq Yd	
Side Streets											
Sta 217 + 88	LT	Scott Ave	34	93	351.3	158.10		310.0		54.1	
Sta 218 + 03	RT	Twombly Rd	38	94	396.9	178.60		313.3		61.1	
Sta 228 + 16	LT	Hillcrest Ave	20	72	160.0	72.00		240.0		24.6	
Sta 251 + 21	LT	Maple Ave	31	65	223.9	100.75		216.7		34.5	
Sta 258 + 86	LT	Oak Ave	35	85	330.6	148.75		283.3		50.9	
Sta 271 + 80	LT	Hemstock	31	73	251.4	113.15		243.3		38.7	
Sta 298 + 30	RT	Lind Rd	32	44	156.4	70.40		146.7		24.1	
Sta 351 + 63	RT	Bethel Rd	30	50	166.7	75.00		166.7		25.7	
Sta 351 + 63	LT	Bethel Rd	30	51	170.0	76.50		170.0		26.2	
Sta 430 + 81	RT	IL 64	328	154	5612.4	3788.40	275.5	513.3	471.4	5612.4	
Sta 430 + 81	LT	IL 64	210	154	3593.3	2425.50	176.4	513.3	301.8	3593.3	
Sta 484 + 00	RT	Mowers Rd	28	38	118.2	79.80		126.7		18.2	
Sta 484 + 00	LT	Mowers Rd	28	44	136.9	92.40		146.7		21.1	
Sta 537 + 05	LT	Dutch Rd	19	48	101.3	68.40		160.0		15.6	
Sta 592 + 74	RT	Lindenwood Rd	56	78	485.3	327.60		260.0		74.7	
Sta 592 + 74	LT	Lindenwood Rd	87	60	580.0	391.50		200.0		89.3	
Sta 648 + 61	LT	Holcomb Rd	53	63	371.0	250.43		210.0		57.1	
Sta 649 + 20	RT	Holcomb Rd	48	62	330.7	223.20		206.7		50.9	
Sta 701 + 76	RT	Big Mound Rd	28	51	158.7	107.10		170.0		24.4	
Sta 701 + 76	LT	Big Mound Rd	30	58	193.3	130.50		193.3		29.8	
Sta 755 + 04	RT	1st Street	31	55	189.4	127.88		183.3		29.2	
Sta 807 + 53	RT	Eddy Rd	46	39	199.3	134.55		130.0		30.7	
Sta 913 + 55	LT	Scott Rd	58	151	973.1	656.85		503.3		149.9	
STA 199+43 TO STA 259+00 SUBTOTAL (URBAN STP 5-200K)					1462.67	658.20	0.0	1363.33	0.0	225.25	0.0
STA 259+00 TO STA 701+65 SUBTOTAL (STP RURAL)					12073.78	7982.28	451.92	3063.33	773.29	441.67	9205.78
STA 701+65 TO 964+34 SUBTOTAL (URBAN STP > 200K)					1713.89	1156.88	0.0	1180.00	0.0	263.94	973.1
TOTAL					15250.33	9797.35	451.92	5606.67	773.29	930.86	10178.89

ENTRANCE SCHEDULE

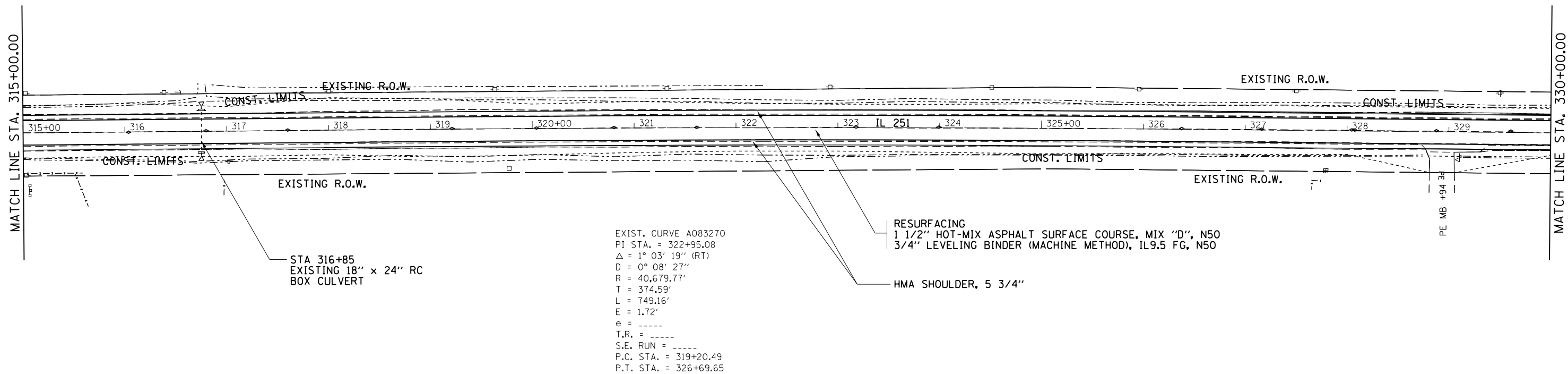
ENTRANCE SCHEDULE (CONTINUED)

LOCATION	REMARKS	LENGTH	AVE. WIDTH	SQ YD	***40800050	**40600290	48101200
					INCIDENTAL	BITUMINOUS	AGGREGATE
					BITUMINOUS SURFACING	MATLS TACK COAT	SHOULDERS TYPE B
		FOOT	FOOT		TON	POUND	TON
URBAN STP 5-200K							
RT 212 + 18	PE + MB	17	48	90.7	14.0	40.80	0.32
LT 243 + 23	CE	26	68	196.4	30.3	88.40	0.49
LT 245 + 86	CE	28	45	140.0	21.6	63.00	0.53
RT 255 + 76	PE + MB	28	35	108.9	16.8	49.00	0.53
STP RURAL							
LT 264 + 20	CE	30	66	220.0	33.9	99.00	0.57
RT 266 + 32	MB	5	66	36.7	5.6	16.50	0.09
LT 266 + 45	PE	32	27	96.0	14.8	43.20	0.61
RT 276 + 18	MB	5	100	55.6	8.6	25.00	0.09
LT 276 + 62	PE	18	24	48.0	7.4	21.60	0.34
RT 284 + 64	MB	5	50	27.8	4.3	12.50	0.09
LT 284 + 78	PE	37	31	127.4	19.6	57.35	0.70
RT 285 + 99	PE + MB	28	46	143.1	22.0	64.40	0.53
RT 292 + 84	PE + MB	36	24	96.0	14.8	43.20	0.68
RT 295 + 19	PE + MB	26	40	115.6	17.8	52.00	0.49
RT 312 + 41	CE	47	98	511.8	78.8	230.30	0.89
RT 314 + 57	CE	28	52	161.8	24.9	72.80	0.53
RT 328 + 94	PE + MB	8	45	40.0	6.2	18.00	0.15
RT 330 + 82	PE + MB	28	39	121.3	18.7	54.60	0.53
RT 337 + 44	MB	5	67	37.2	5.7	16.75	0.09
LT 337 + 48	PE	32	24	85.3	13.1	38.40	0.61
RT 345 + 16	PE + MB	30	44	146.7	22.6	66.00	0.57
RT 365 + 6	PE + MB	15	44	73.3	11.3	33.00	0.28
RT 369 + 9	CE + MB	28	51	158.7	24.4	71.40	0.53
RT 370 + 29	PE	21	28	65.3	10.1	29.40	0.40
RT 372 + 94	PE + MB	16	43	76.4	11.8	34.40	0.30
LT 389 + 62	FE	14	24	37.3	5.7	16.80	0.27
LT 404 + 74	PE	26	30	86.7	13.3	39.00	0.49
LT 424 + 83	PE	26	39	112.7	17.4	50.70	0.49
RT 428 + 53	FE	22	50	122.2	18.8	55.00	0.42
RT 445 + 27	PE	18	40	80.0	12.3	36.00	0.34
LT 445 + 94	PE + MB	19	65	137.2	21.1	61.75	0.36
RT 448 + 82	PE	15	32	53.3	8.2	24.00	0.28
LT 448 + 98	MB	5	88	48.9	7.5	22.00	0.09
RT 465 + 55	CE	49	55	299.4	46.1	134.75	0.93
LT 465 + 57	MB	5	75	41.7	6.4	18.75	0.09
LT 469 + 87	PE + MB	29	64	206.2	31.8	92.80	0.55
RT 491 + 82	PE	18	28	56.0	8.6	25.20	0.34
LT 491 + 86	MB	5	64	35.6	5.5	16.00	0.09
RT 507 + 38	PE	20	38	84.4	13.0	38.00	0.38
RT 507 + 45	MB	5	85	47.2	7.3	21.25	0.09
RT 528 + 51	PE	13	56	80.9	12.5	36.40	0.25
LT 528 + 55	MB	5	67	37.2	5.7	16.75	0.09
LT 532 + 59	PE + MB	20	70	155.6	24.0	70.00	0.38
RT 554 + 63	PE	21	41	95.7	14.7	43.05	0.40
LT 554 + 64	MB	5	79	43.9	6.8	19.75	0.09
RT 556 + 28	PE	22	33	80.7	12.4	36.30	0.42
LT 556 + 82	PE + MB	28	54	168.0	25.9	75.60	0.53
RT 574 + 49	PE	24	43	114.7	17.7	51.60	0.46

Location	Remarks	LENGTH	AVE. WIDTH	SqYd	***40800050	**40600290	48101200
					INCIDENTAL	BITUMINOUS	AGGREGATE
					BITUMINOUS SURFACING	MATLS TACK COAT	SHOULDERS TYPE B
		FOOT	FOOT		TON	POUND	TON
LT 574 + 62	MB	5	67	37.2	5.7	16.75	0.09
LT 594 + 17	PE	22	45	110.0	16.9	49.50	0.42
LT 595 + 39	PE	25	57	158.3	24.4	71.25	0.47
LT 614 + 59	PE	29	55	177.2	27.3	79.75	0.55
RT 632 + 44	PE + MB	23	73	186.6	28.7	83.95	0.44
RT 648 + 24	CE + MB	24	60	160.0	24.6	72.00	0.46
RT 650 + 58	PE	25	48	133.3	20.5	60.00	0.47
LT 682 + 31	PE + MB	21	50	116.7	18.0	52.50	0.40
LT 683 + 98	MB	5	75	41.7	6.4	18.75	0.09
RT 684 + 3	PE	24	43	114.7	17.7	51.60	0.46
LT 695 + 74	PE + MB	12	49	65.3	10.1	29.40	0.23
URBAN STP > 200K							
RT 707 + 42	MB	5	75	41.7	6.4	18.75	0.09
LT 707 + 45	PE	22	40	97.8	15.1	44.00	0.42
RT 719 + 4	PE + MB	27	42	126.0	19.4	56.70	0.51
RT 730 + 27	PE + MB	15	61	101.7	15.7	45.75	0.28
LT 735 + 3	PE	21	29	67.7	10.4	30.45	0.40
RT 735 + 9	MB	5	81	45.0	6.9	20.25	0.09
RT 751 + 61	PE	26	39	112.7	17.4	50.70	0.49
LT 757 + 41	CE	17	160	302.2	46.5	136.00	0.32
RT 791 + 57	PE	17	43	81.2	12.5	36.55	0.32
RT 805 + 80	PE + MB	12	20	26.7	4.1	12.00	0.23
RT 817 + 50	PE + MB	22	70	171.1	26.4	77.00	0.42
RT 829 + 9	PE + MB	18	60	120.0	18.5	54.00	0.34
LT 829 + 13	PE	21	26	60.7	9.3	27.30	0.40
RT 841 + 15	PE + MB	19	52	109.8	16.9	49.40	0.36
RT 851 + 41	PE + MB	28	64	199.1	30.7	89.60	0.53
LT 852 + 61	PE	21	38	88.7	13.7	39.90	0.40
RT 879 + 15	CE + MB	24	50	133.3	20.5	60.00	0.46
LT 880 + 27	PE	24	39	104.0	16.0	46.80	0.46
RT 880 + 40	MB	5	76	42.2	6.5	19.00	0.09
RT 890 + 93	MB	5	76	42.2	6.5	19.00	0.09
LT 890 + 95	PE	14	36	56.0	8.6	25.20	0.27
RT 901 + 13	PE + MB	18	66	132.0	20.3	59.40	0.34
RT 922 + 53	PE + MB	20	39	86.7	13.3	39.00	0.38
RT 928 + 58	MB	5	70	38.9	6.0	17.50	0.09
RT 932 + 93	PE + MB	15	61	101.7	15.7	45.75	0.28
LT 943 + 51	CE	60	72	480.0	73.9	216.00	1.14
RT 943 + 62	MB	5	62	34.4	5.3	15.50	0.09
RT 955 + 35	MB	5	60	33.3	5.1	15.00	0.09
LT 955 + 45	CE	64	62	440.9	67.9	198.40	1.21
RT 956 + 51	CE	5	39	21.7	3.3	9.75	0.09
RT 958 + 56	CE	14	21	32.7	5.0	14.70	0.27
STA 199+43 TO STA 259+00 SUBTOTAL (URBAN STP 5-200K)					82.5	241.2	1.9
STA 259+00 TO STA 701+65 SUBTOTAL (STP RURAL)					919.4	2686.7	21.1
STA 701+65 TO 964+34 SUBTOTAL (URBAN STP > 200K)					543.9	1589.4	11.0
TOTAL					1546	4517	34



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS		F.A.S. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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								ILLINOIS FED. AID PROJECT				

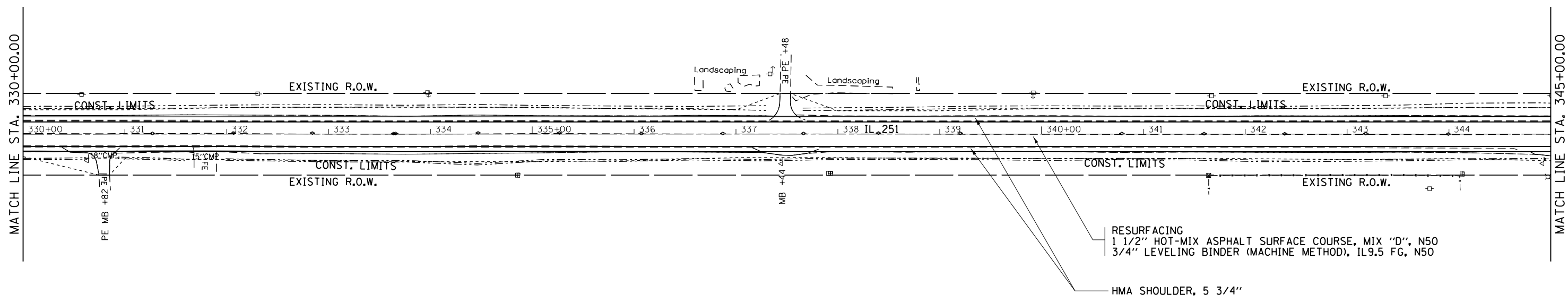


STA 316+85
EXISTING 18" x 24" RC
BOX CULVERT

EXIST. CURVE A083270
PI STA. = 322+95.08
Δ = 1° 03' 19" (RT)
D = 0° 08' 27"
R = 40,679.77'
T = 374.59'
L = 749.16'
E = 1.72'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 319+20.49
P.T. STA. = 326+69.65

RESURFACING
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50

HMA SHOULDER, 5 3/4"



RESURFACING
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50

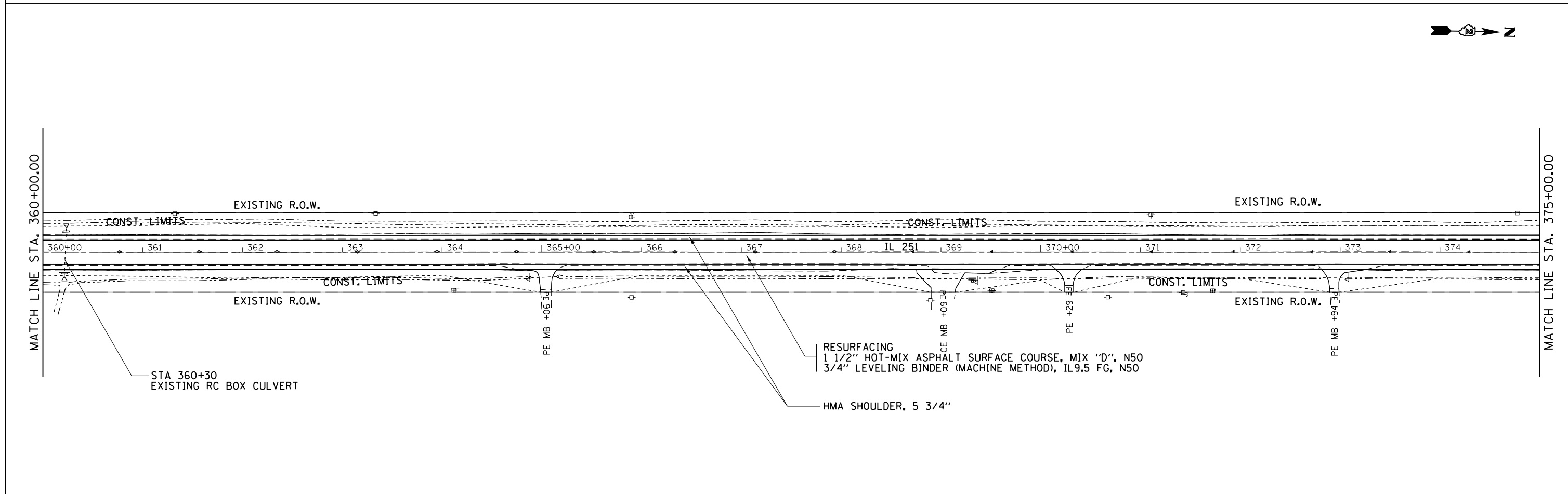
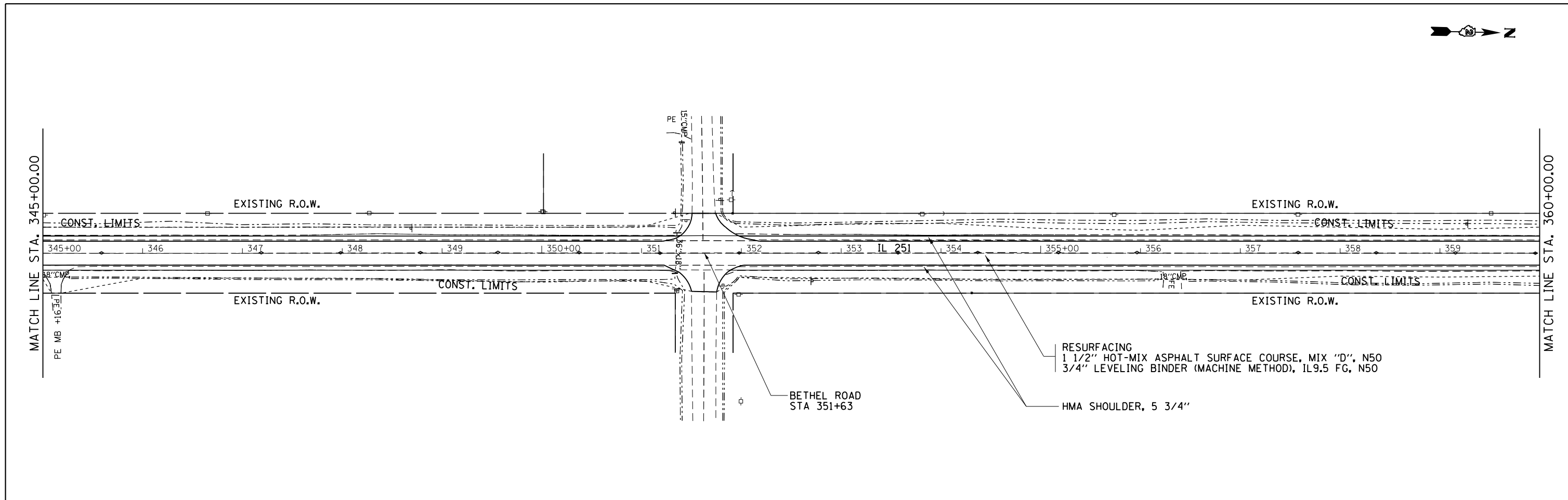
HMA SHOULDER, 5 3/4"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
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Default	PLOT DATE = May-04-2017 10:20:22 AM	DATE -	REVISED -

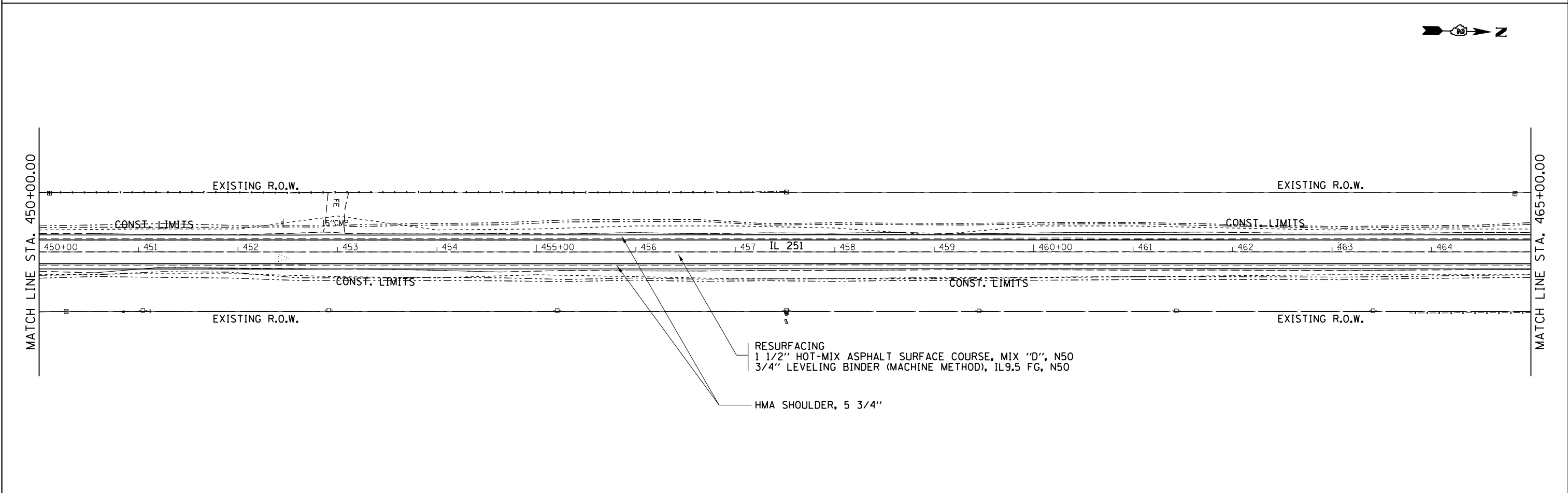
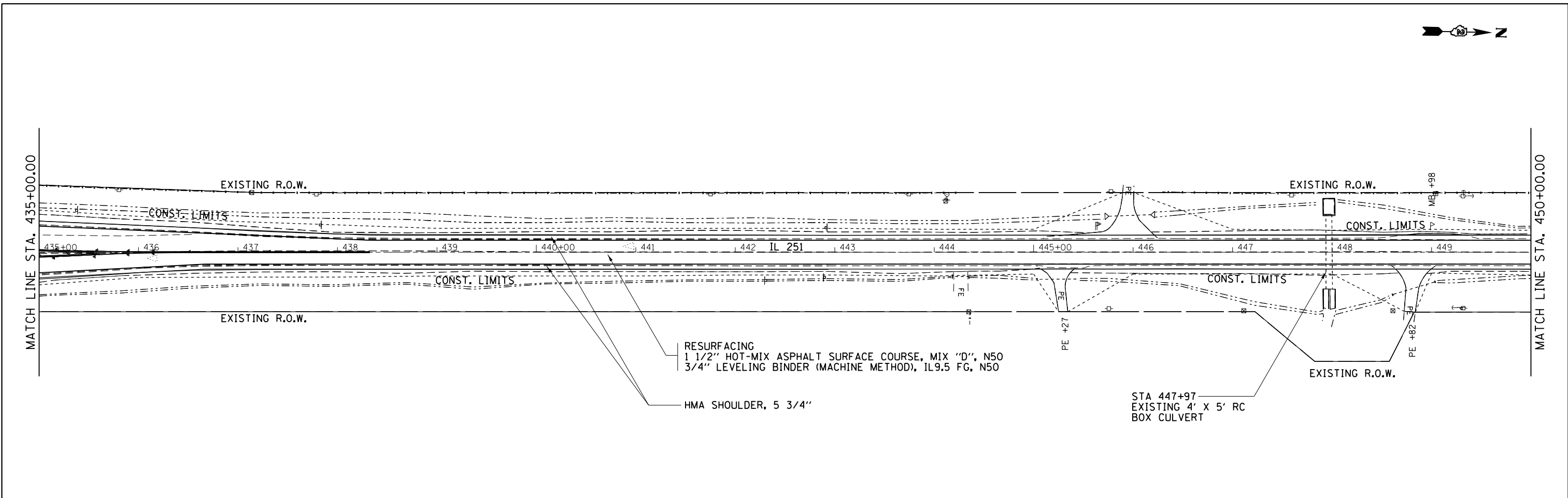
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 251	
PLAN SHEETS	
SCALE: _____	SHEET _____ OF _____ SHEETS
STA. _____	TO STA. _____

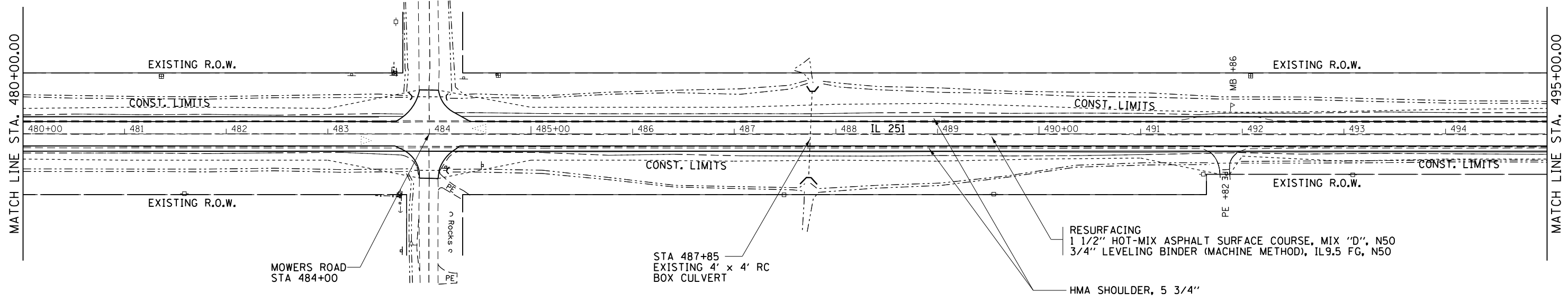
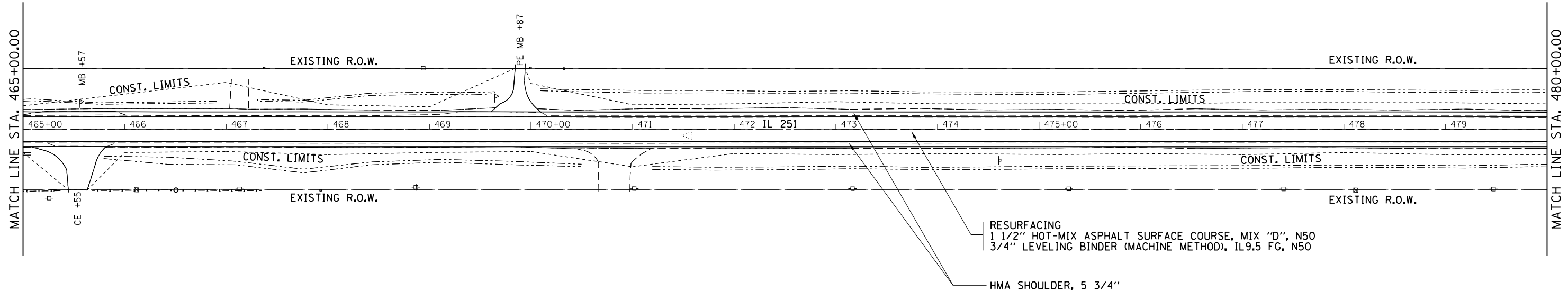
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CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = May-04-2017 10:20:22 AM	DATE -	REVISED -			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64H61			
						ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = ankneyde	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251		F.A.S. No. _____	SECTION _____	COUNTY _____	TOTAL SHEETS _____	SHEET NO. _____
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\02083312\Drawings\02083312-shr-pln.dwg		CHECKED - _____	REVISED - _____		PLAN SHEETS		1042	(106,107) RS-5	OGLE	196	38
Default	PLOT SCALE = 100.0000' / in.	DATE - _____	REVISED - _____		SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 64H61			
	PLOT DATE = May-04-2017 10:20:24 AM				ILLINOIS FED. AID PROJECT						

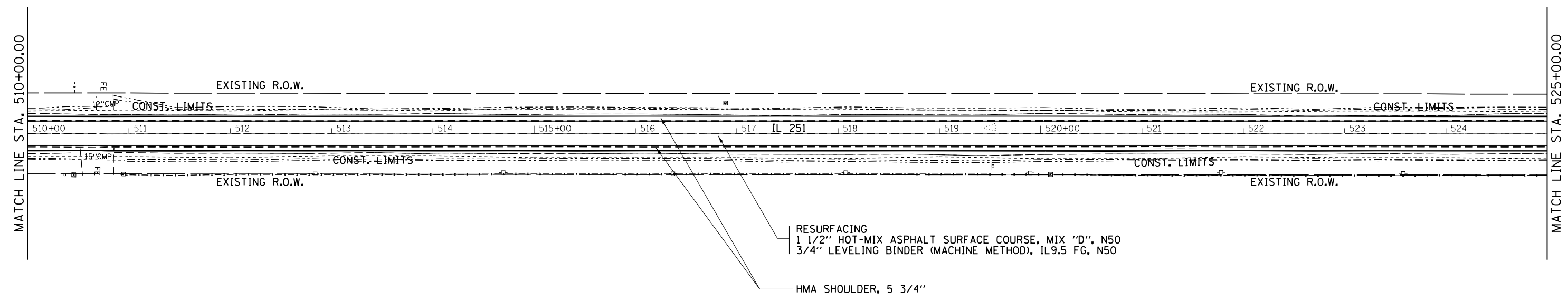
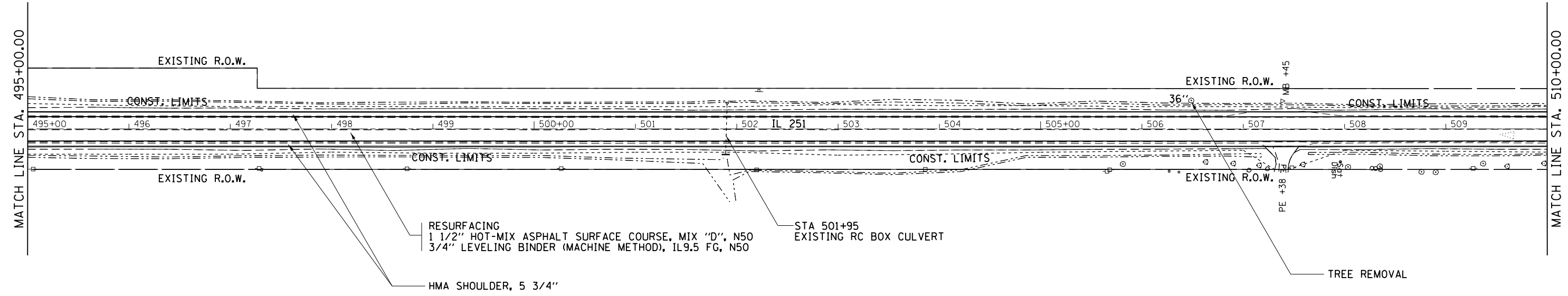


FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
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Default	PLOT DATE = May-04-2017 10:20:25 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 251			
PLAN SHEETS			
SCALE: _____	SHEET _____	OF _____ SHEETS	STA. _____ TO STA. _____

F.A.S. RTE. 1042	SECTION (106,107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 39
CONTRACT NO. 64H61				ILLINOIS FED. AID PROJECT



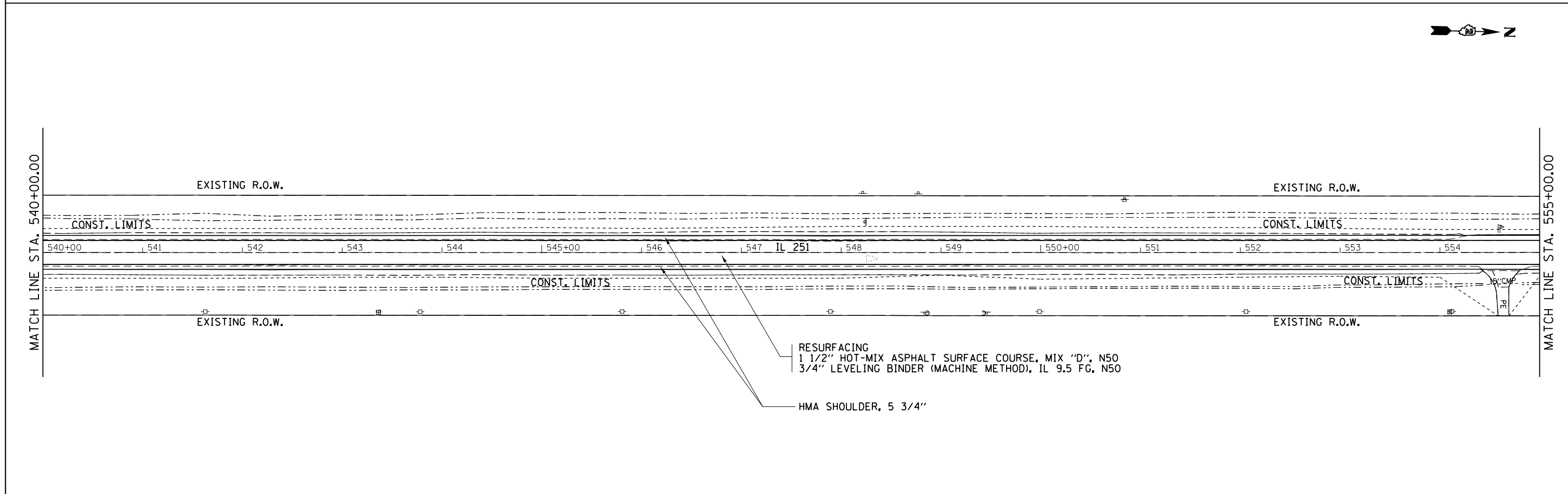
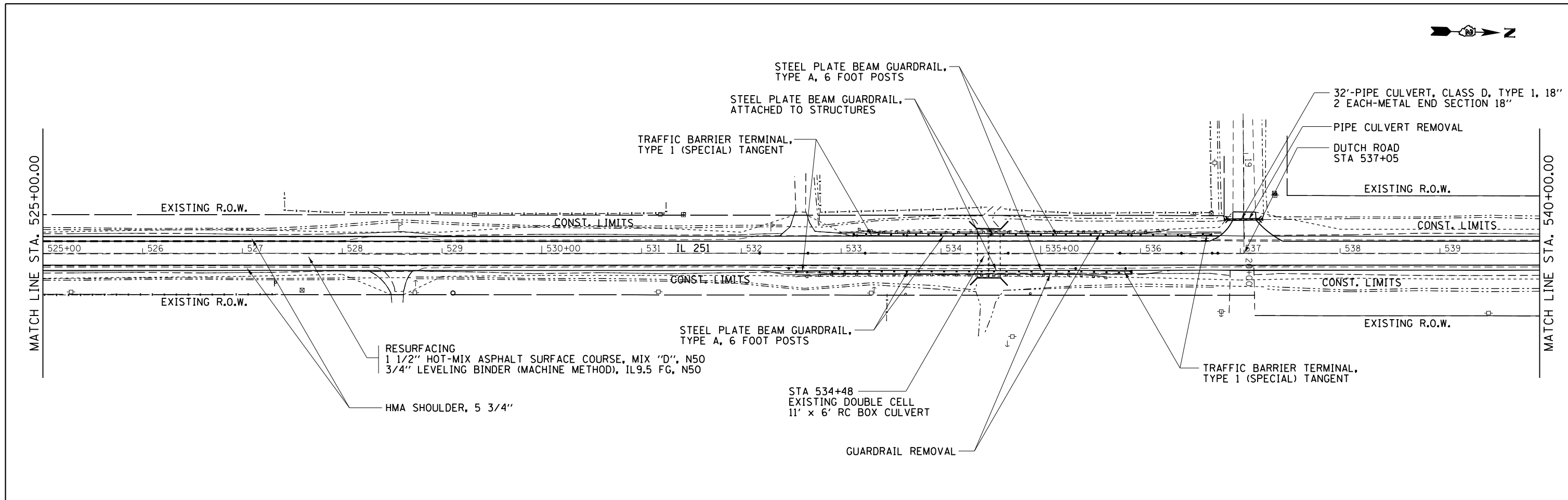
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

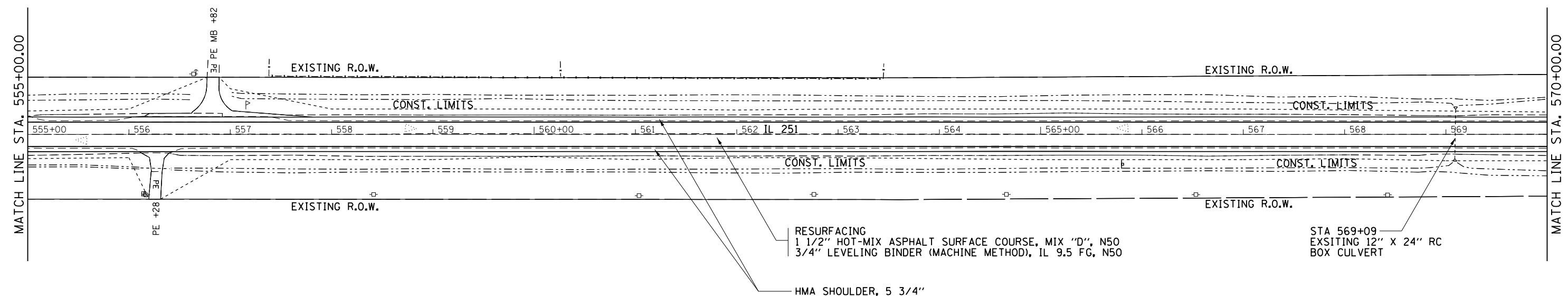
**IL ROUTE 251
PLAN SHEETS**

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

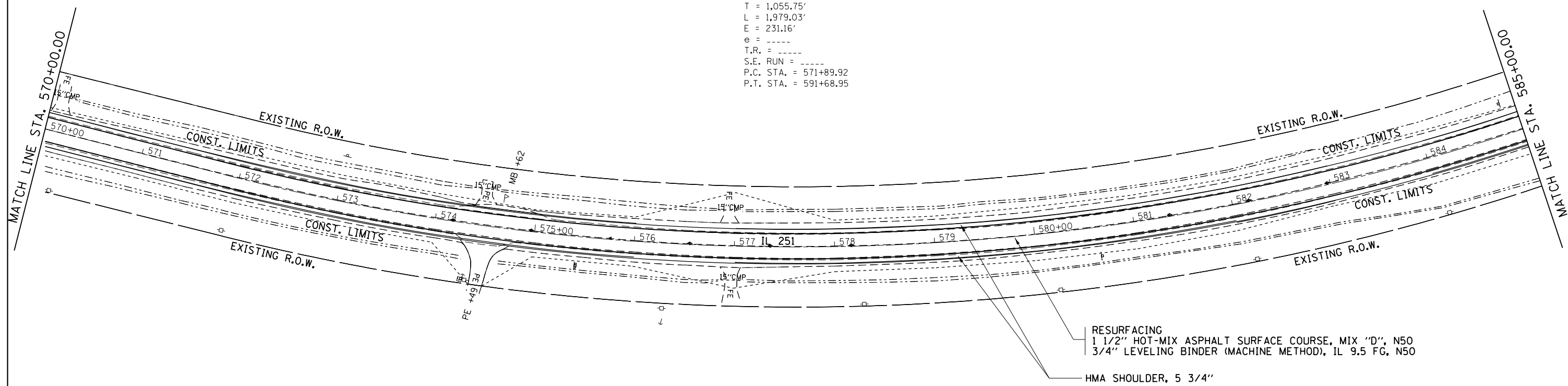
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106,107) RS-5	OGLE	196	40
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\0208312\Drawings\0208312-shr-plans.dwg	DESIGNED -	REVISED -	1042			(106,107) RS-5	OGLE	196	41	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64H61							
Default	PLOT DATE = May-17-2018 08:05:58 AM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

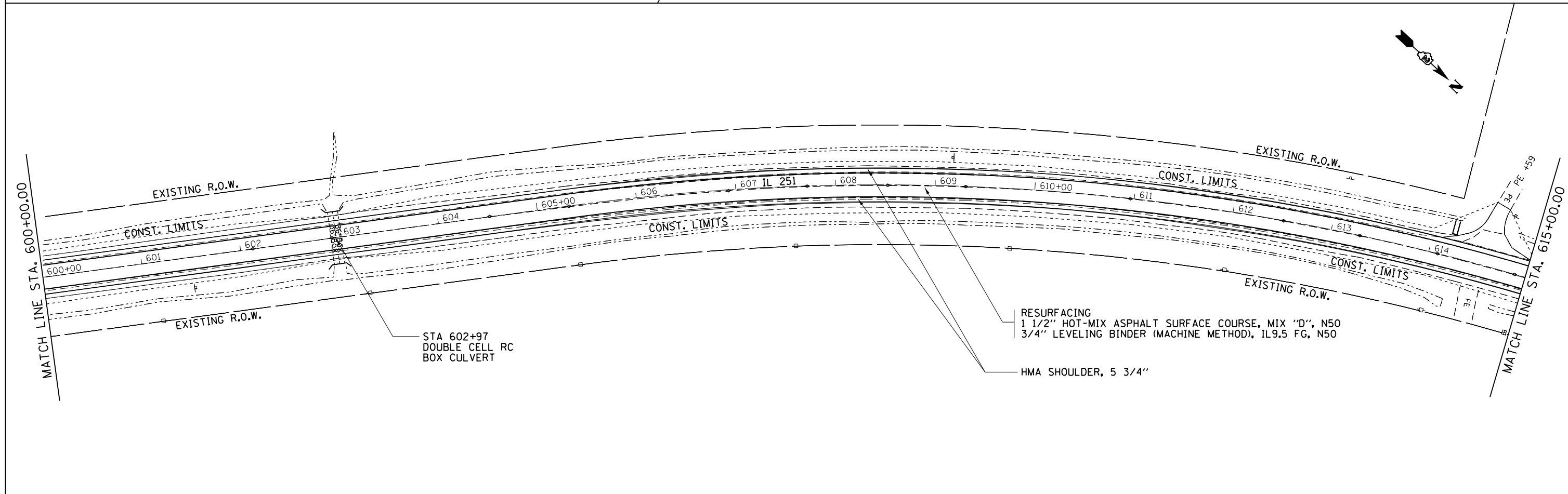
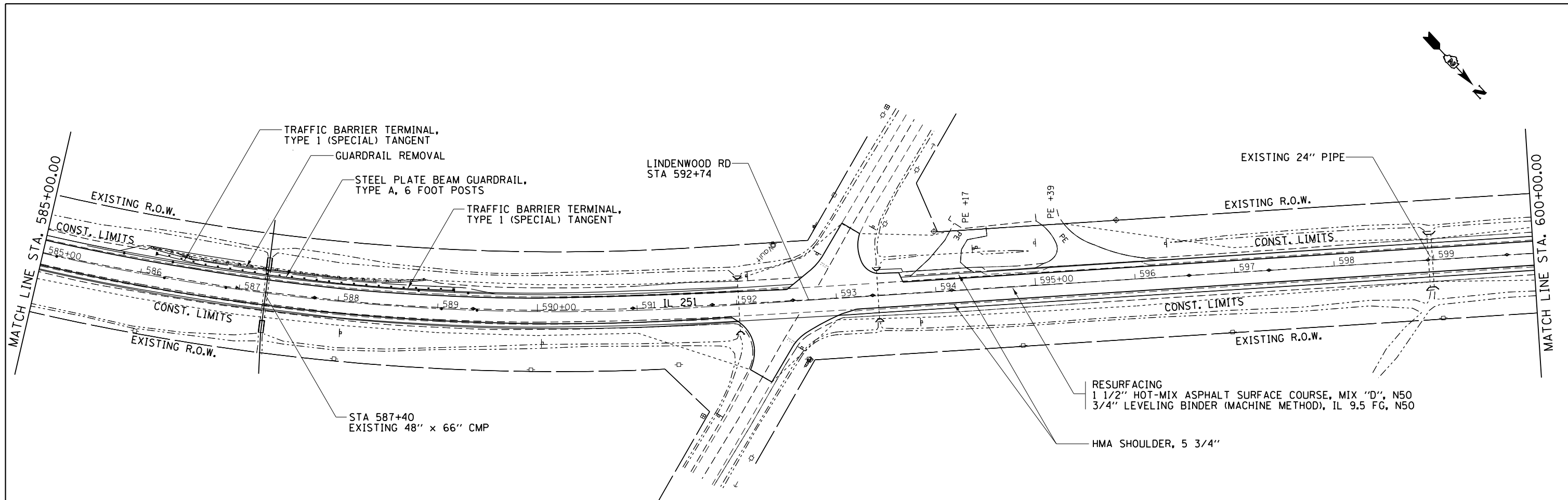


EXIST. CURVE A012210
 PI STA. = 582+45.66
 Δ = 49° 24' 02" (LT)
 D = 2° 29' 46"
 R = 2,295.32'
 T = 1,055.75'
 L = 1,979.03'
 E = 231.16'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 571+89.92
 P.T. STA. = 591+68.95

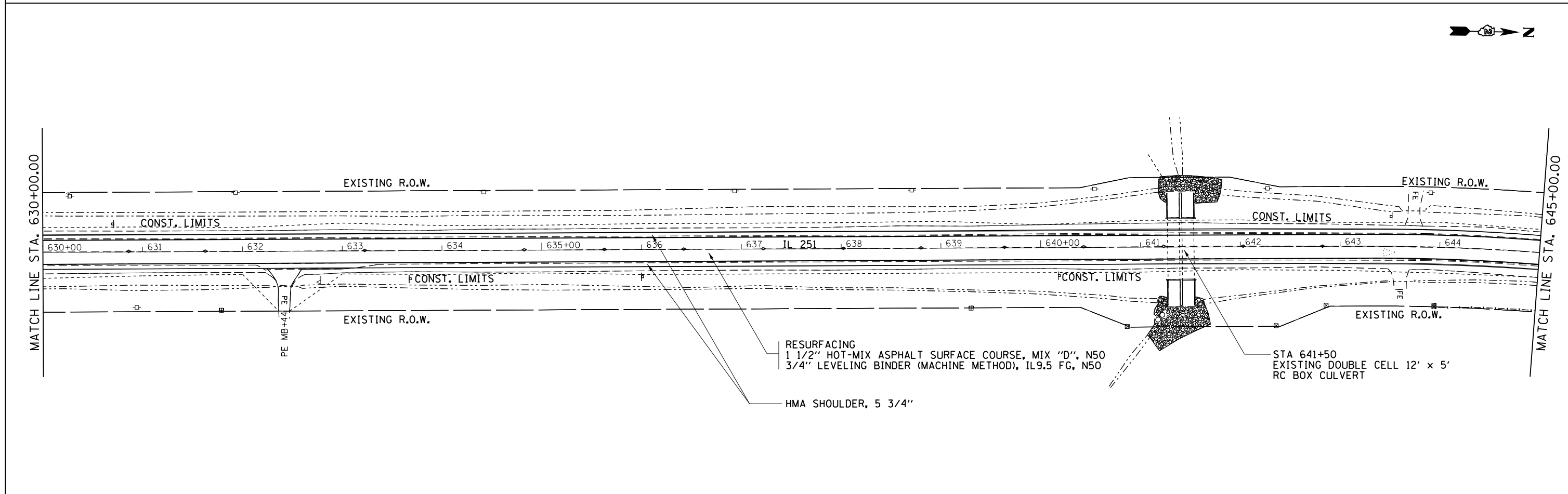
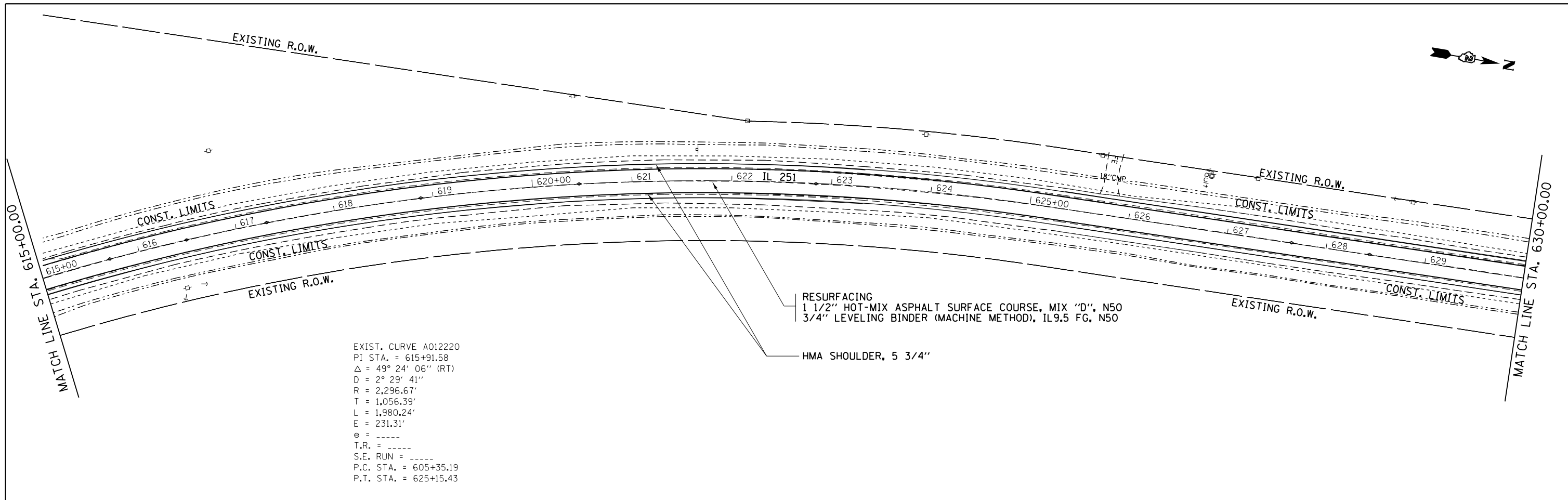


RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N50
 HMA SHOULDER, 5 3/4"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251		F.A.S. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\0203312\Drawings\0203312-shr-plan.dwg		CHECKED -	REVISED -		PLAN SHEETS		1042	(106,107) RS-5	OGLE	196	42	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 64H61	
	PLOT DATE = May-04-2017 10:20:27 AM				ILLINOIS FED. AID PROJECT							

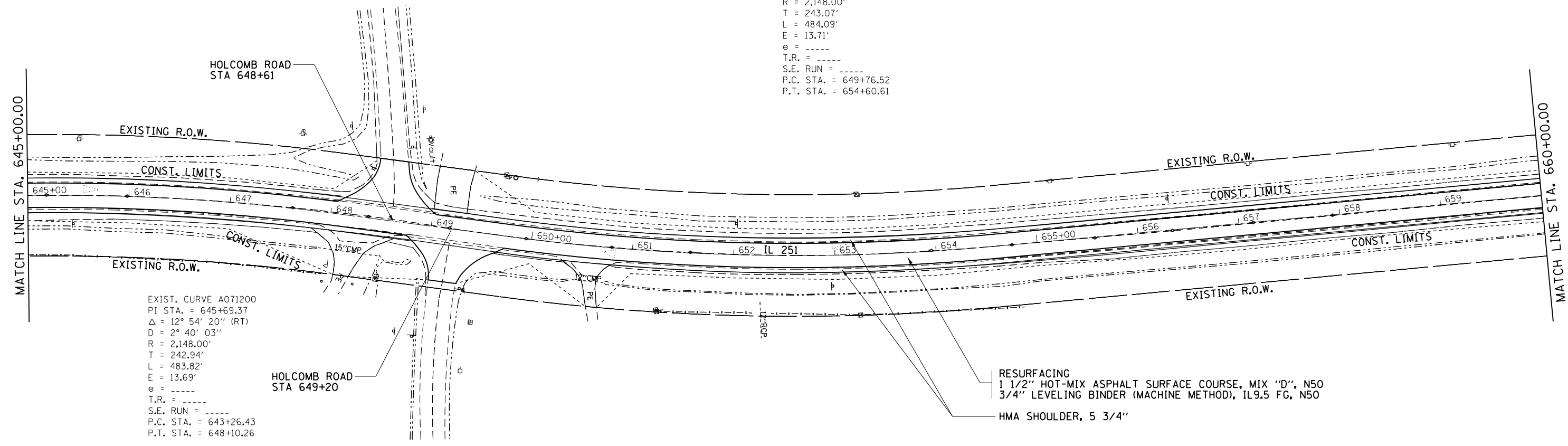


FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251		F.A.S. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\02083312\Drawings\02083312-shr-plan.dwg		CHECKED -	REVISED -		PLAN SHEETS		1042	(106.107) RS-5	OGLE	196	43	
Default		DATE -	REVISED -		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 64H61	
					ILLINOIS FED. AID PROJECT							



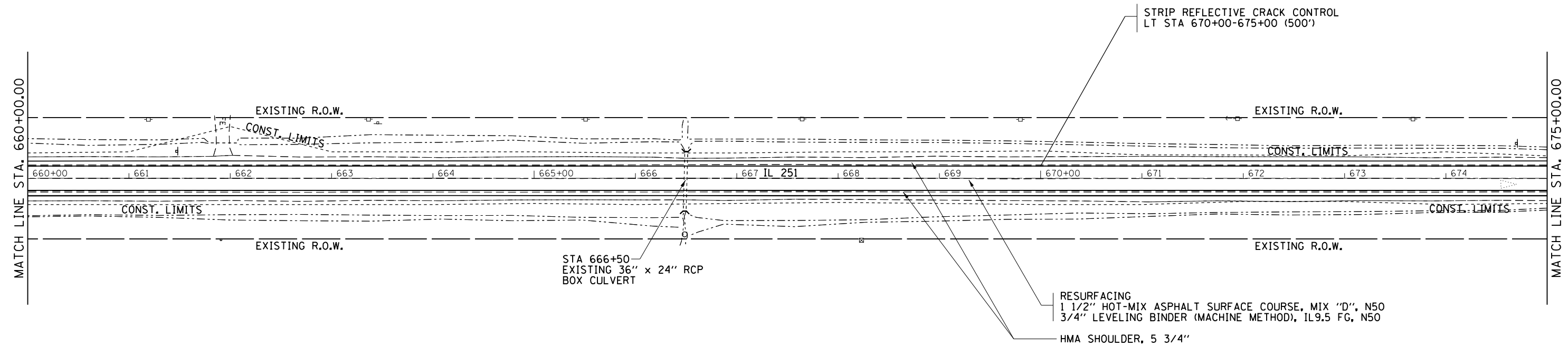
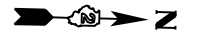
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pw:\IL084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\02083312\Drawings\02083312-shr-plan.dwg		CHECKED -	REVISED -		PLAN SHEETS		1042	(106,107) RS-5	OGLE	196	44	
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 64H61	
	PLOT DATE = May-04-2017 10:20:28 AM				ILLINOIS FED. AID PROJECT							

EXIST. CURVE A071210
 PI STA. = 652+19.59
 $\Delta = 12^\circ 54' 45''$ (LT)
 $D = 2^\circ 40' 03''$
 $R = 2,148.00'$
 $T = 243.07'$
 $L = 484.09'$
 $E = 13.71'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 649+76.52$
 $P.T. \text{ STA.} = 654+60.61$



EXIST. CURVE A071200
 PI STA. = 645+69.37
 $\Delta = 12^\circ 54' 20''$ (RT)
 $D = 2^\circ 40' 03''$
 $R = 2,148.00'$
 $T = 242.94'$
 $L = 483.82'$
 $E = 13.69'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 643+26.43$
 $P.T. \text{ STA.} = 648+10.26$

RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"



STA 666+50
 EXISTING 36" x 24" RCP
 BOX CULVERT

STRIP REFLECTIVE CRACK CONTROL
 LT STA 670+00-675+00 (500')

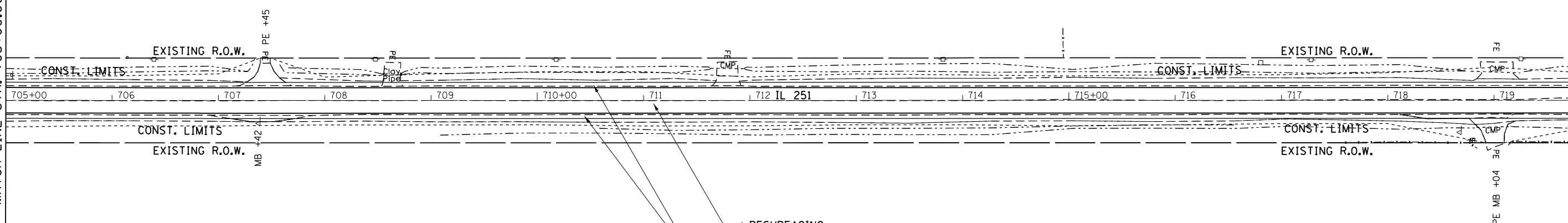
RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\02083312\Drawings\02083312-shr-pln.dwg		DRAWN -	REVISED -		1042	(106.107) RS-5	OGLE	196	45	CONTRACT NO. 64H61		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = May-15-2018 08:03:34 AM	DATE -	REVISED -									



MATCH LINE STA. 705+00.00

MATCH LINE STA. 720+00.00

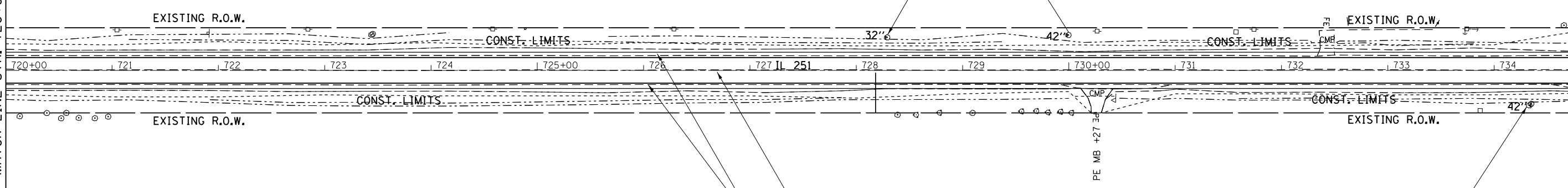


RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"



MATCH LINE STA. 720+00.00

MATCH LINE STA. 735+00.00



RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"

TREE REMOVAL

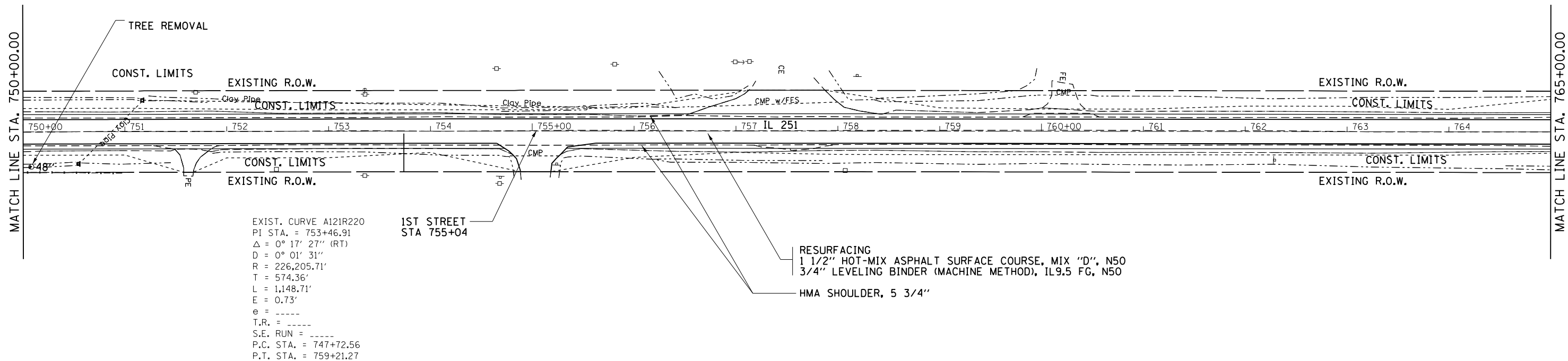
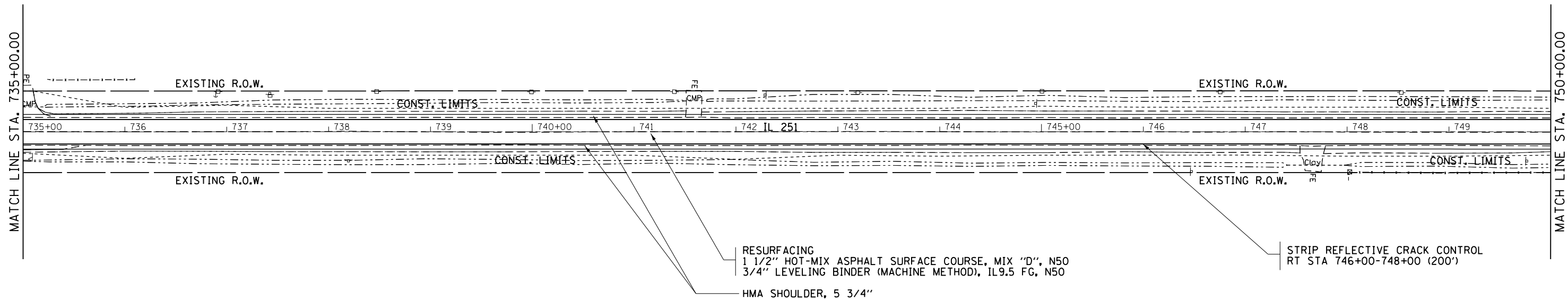
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Default	PLOT DATE = May-04-2017 10:20:30 AM	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 251
PLAN SHEETS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106,107) RS-5	OGLE	196	47
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	



EXIST. CURVE A121R220
 PI STA. = 753+46.91
 $\Delta = 0^\circ 17' 27''$ (RT)
 $D = 0^\circ 01' 31''$
 $R = 226,205.71'$
 $T = 574.36'$
 $L = 1,148.71'$
 $E = 0.73'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 747+72.56
 P.T. STA. = 759+21.27

1ST STREET
 STA 755+04

RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"

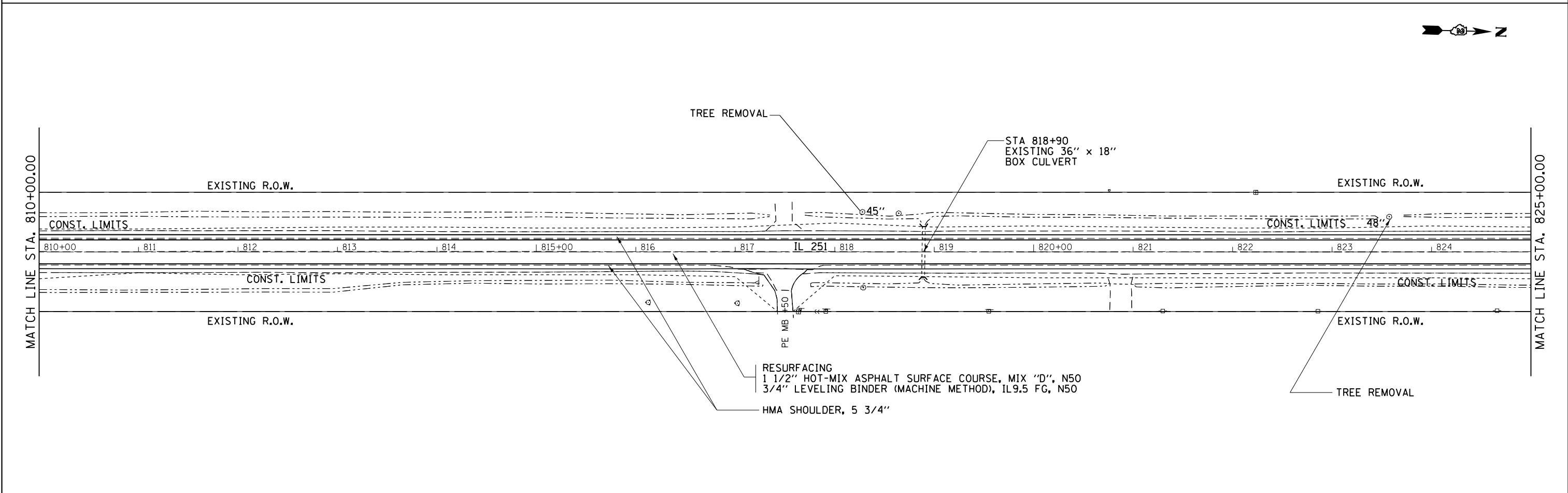
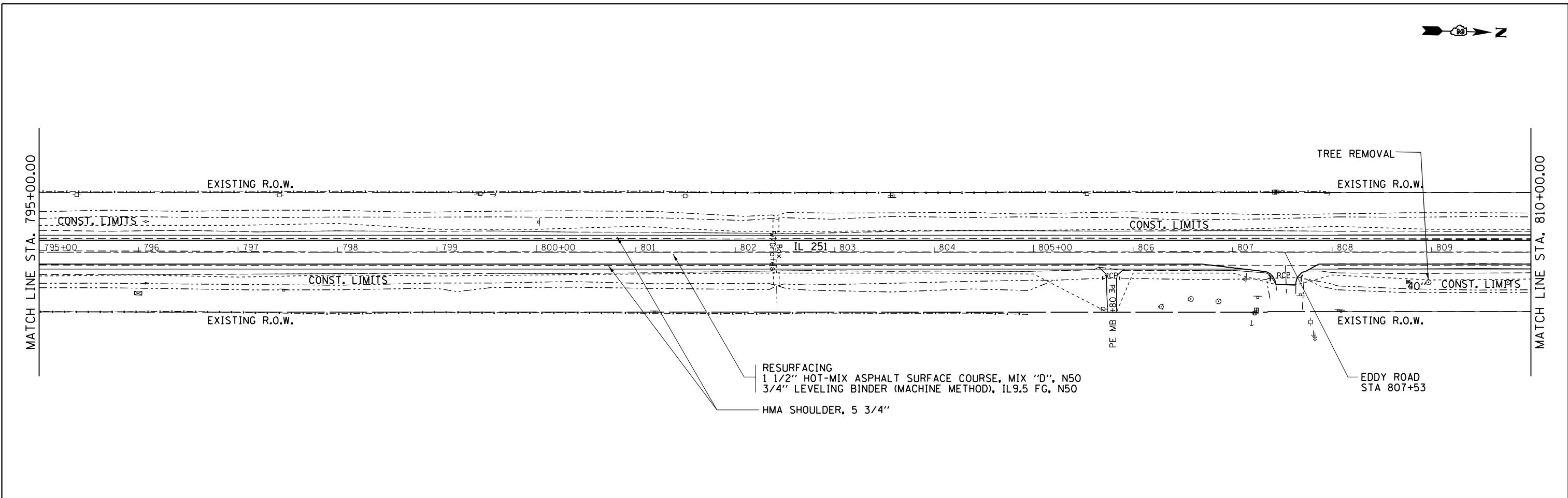
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = May-15-2018 08:03:35 AM	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

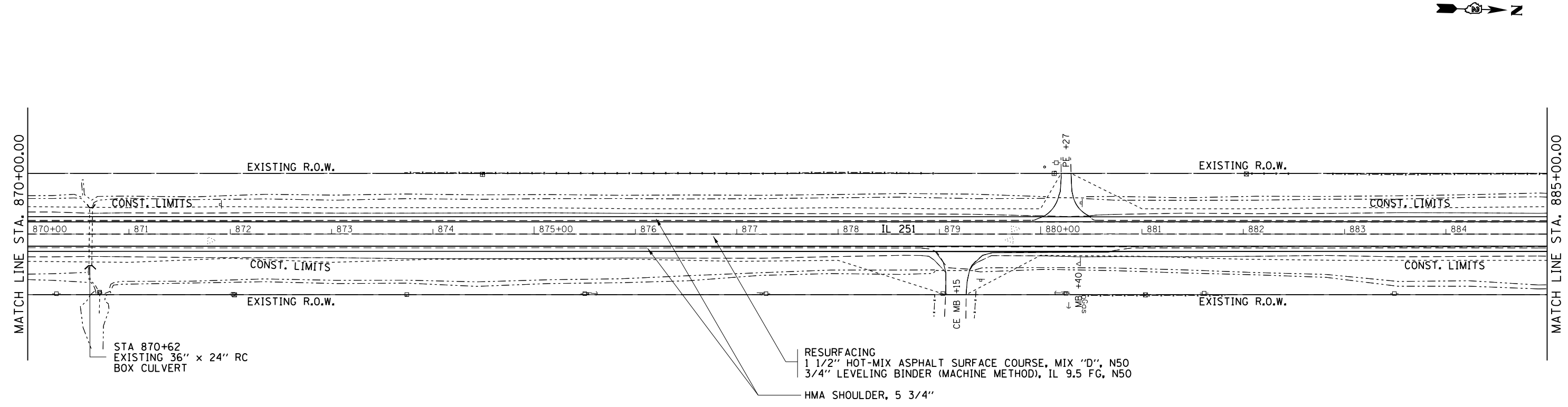
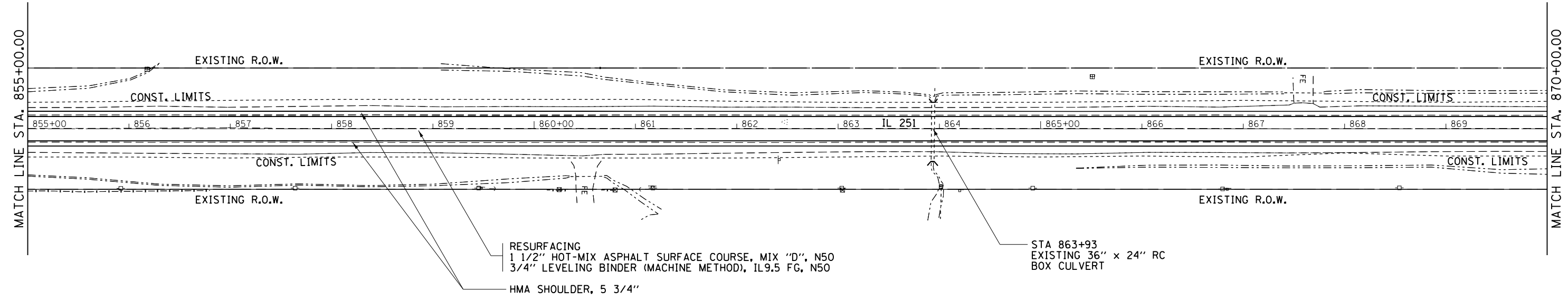
**IL ROUTE 251
 PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106.107) RS-5	OGLE	196	48
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = ankneyde	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\020831\Drawings\0203312-sht-plans	DRAWN	CHECKED - _____	REVISED - _____		1042	(106,107) R5-5	OGLE	196	50		
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____	REVISED - _____		CONTRACT NO. 64H61						
Default	PLOT DATE = May-04-2017 10:20:32 AM	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT						



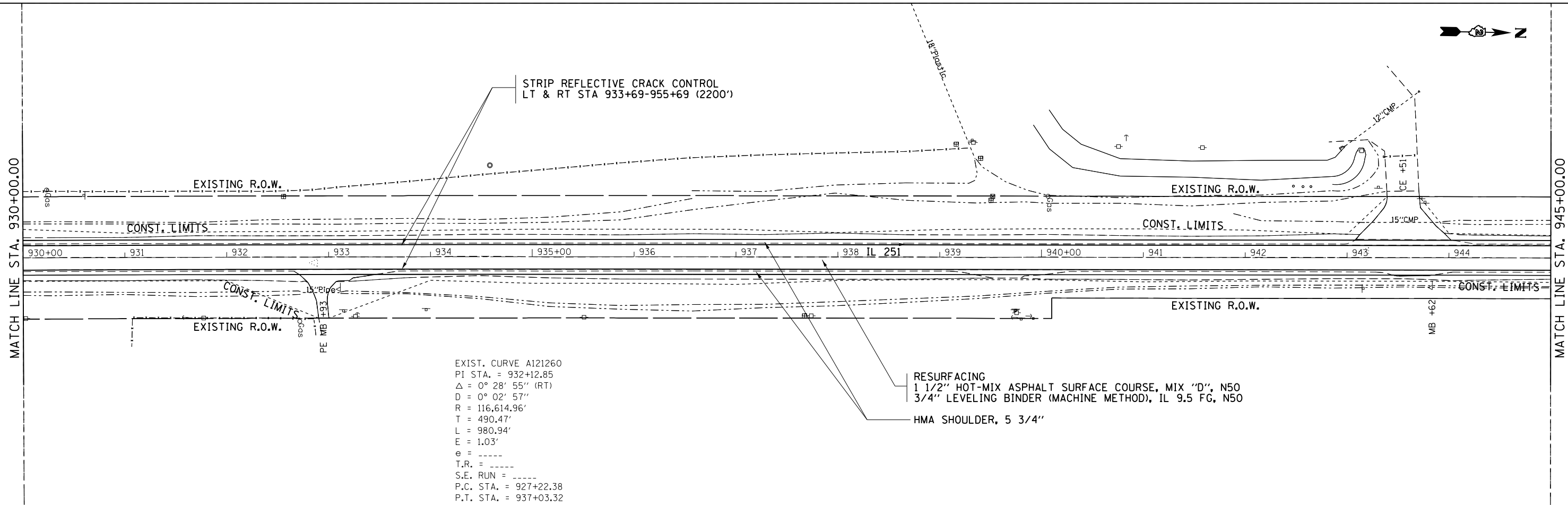
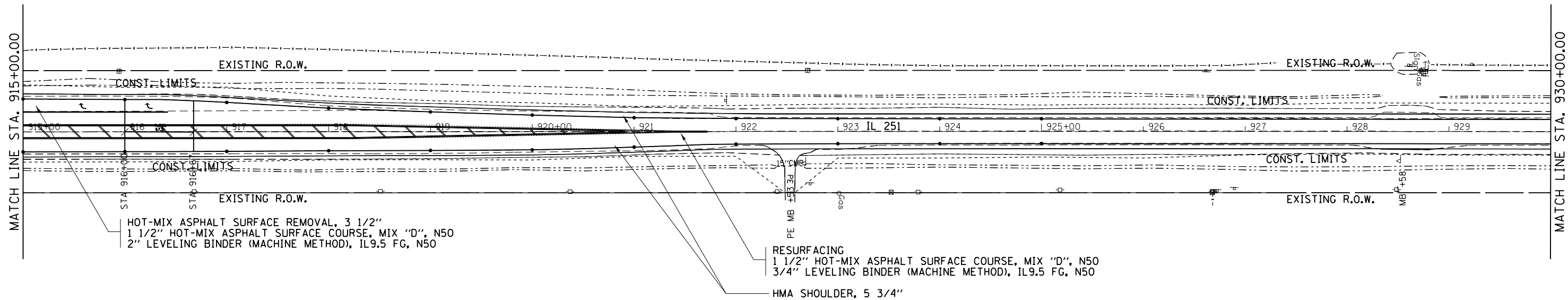
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	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
Default	PLOT DATE = May-04-2017 10:20:34 AM	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 251
PLAN SHEETS

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

F.A.S. No. 1042	SECTION (106,107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 52
CONTRACT NO. 64H61				ILLINOIS FED. AID PROJECT



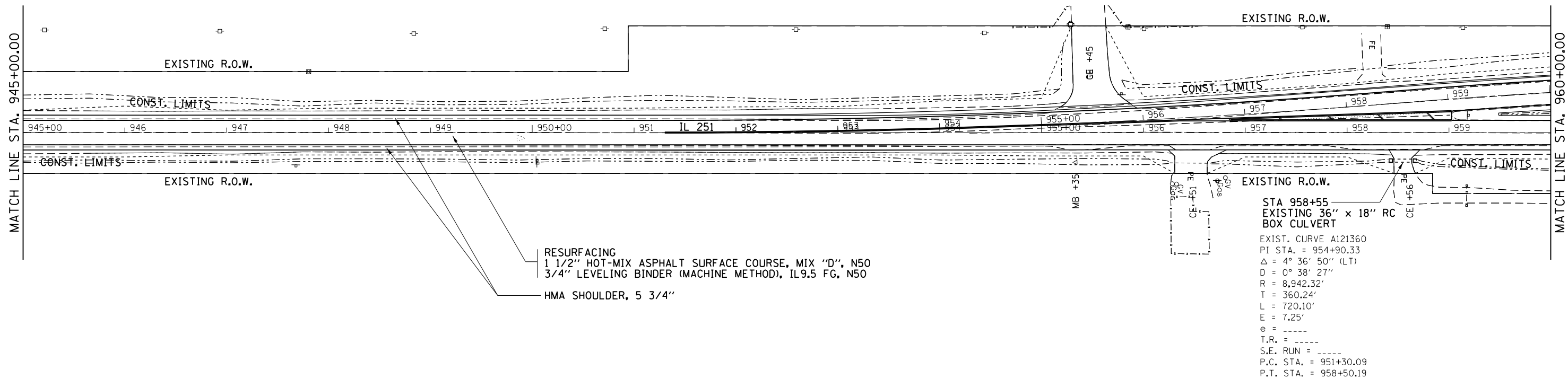
EXIST. CURVE A121260
 PI STA. = 932+12.85
 $\Delta = 0^\circ 28' 55''$ (RT)
 $D = 0^\circ 02' 57''$
 $R = 116,614.96'$
 $T = 490.47'$
 $L = 980.94'$
 $E = 1.03'$
 $e = \text{----}$
 $T.R. = \text{----}$
 $S.E. \text{ RUN} = \text{----}$
 $P.C. \text{ STA.} = 927+22.38$
 $P.T. \text{ STA.} = 937+03.32$

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
pw:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\020833\DRAWING\02083312-sht-plan.dwg		CHECKED -	REVISED -
Default	PLOT DATE = May-04-2017 10:20:35 AM	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

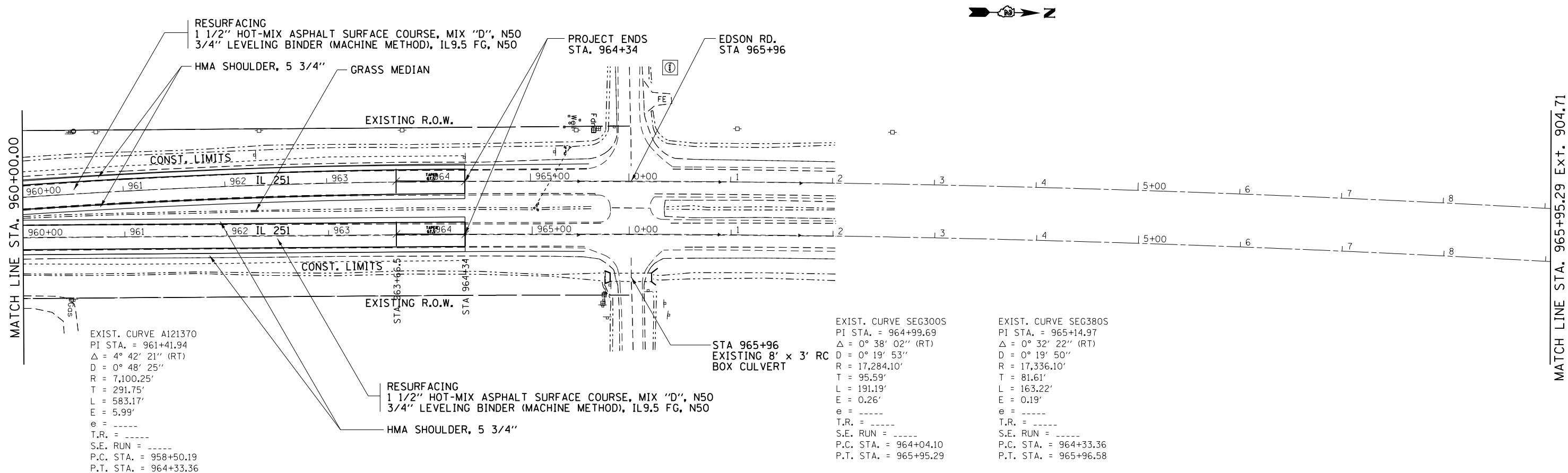
IL ROUTE 251	
PLAN SHEETS	
SCALE: _____	SHEET _____ OF _____ SHEETS
STA. _____	TO STA. _____

F.A.S. RTE. 1042	SECTION (106.107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 54
CONTRACT NO. 64H61				ILLINOIS FED. AID PROJECT



RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"

STA 958+55
 EXISTING 36" x 18" RC
 BOX CULVERT
 EXIST. CURVE A121360
 PI STA. = 954+90.33
 Δ = 4° 36' 50" (LT)
 D = 0° 38' 27"
 R = 8,942.32'
 T = 360.24'
 L = 720.10'
 E = 7.25'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 951+30.09
 P.T. STA. = 958+50.19



RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"

EXIST. CURVE A121370
 PI STA. = 961+41.94
 Δ = 4° 42' 21" (RT)
 D = 0° 48' 25"
 R = 7,100.25'
 T = 291.75'
 L = 583.17'
 E = 5.99'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 958+50.19
 P.T. STA. = 964+33.36

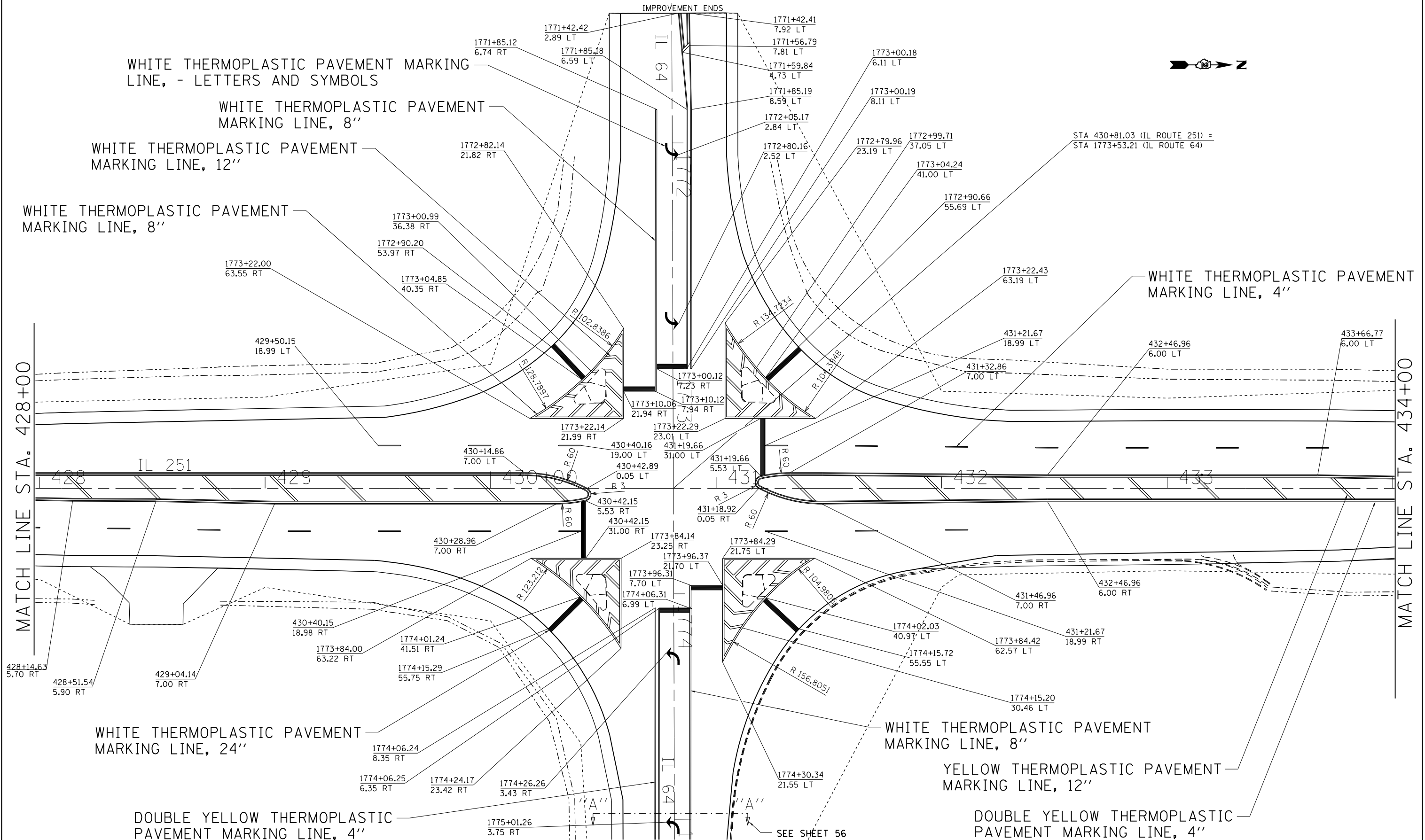
RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"

EXIST. CURVE SEG300S
 PI STA. = 964+99.69
 Δ = 0° 38' 02" (RT)
 D = 0° 19' 53"
 R = 17,284.10'
 T = 95.59'
 L = 191.19'
 E = 0.26'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 964+04.10
 P.T. STA. = 965+95.29

EXIST. CURVE SEG380S
 PI STA. = 965+14.97
 Δ = 0° 32' 22" (RT)
 D = 0° 19' 50"
 R = 17,336.10'
 T = 81.61'
 L = 163.22'
 E = 0.19'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 964+33.36
 P.T. STA. = 965+96.58

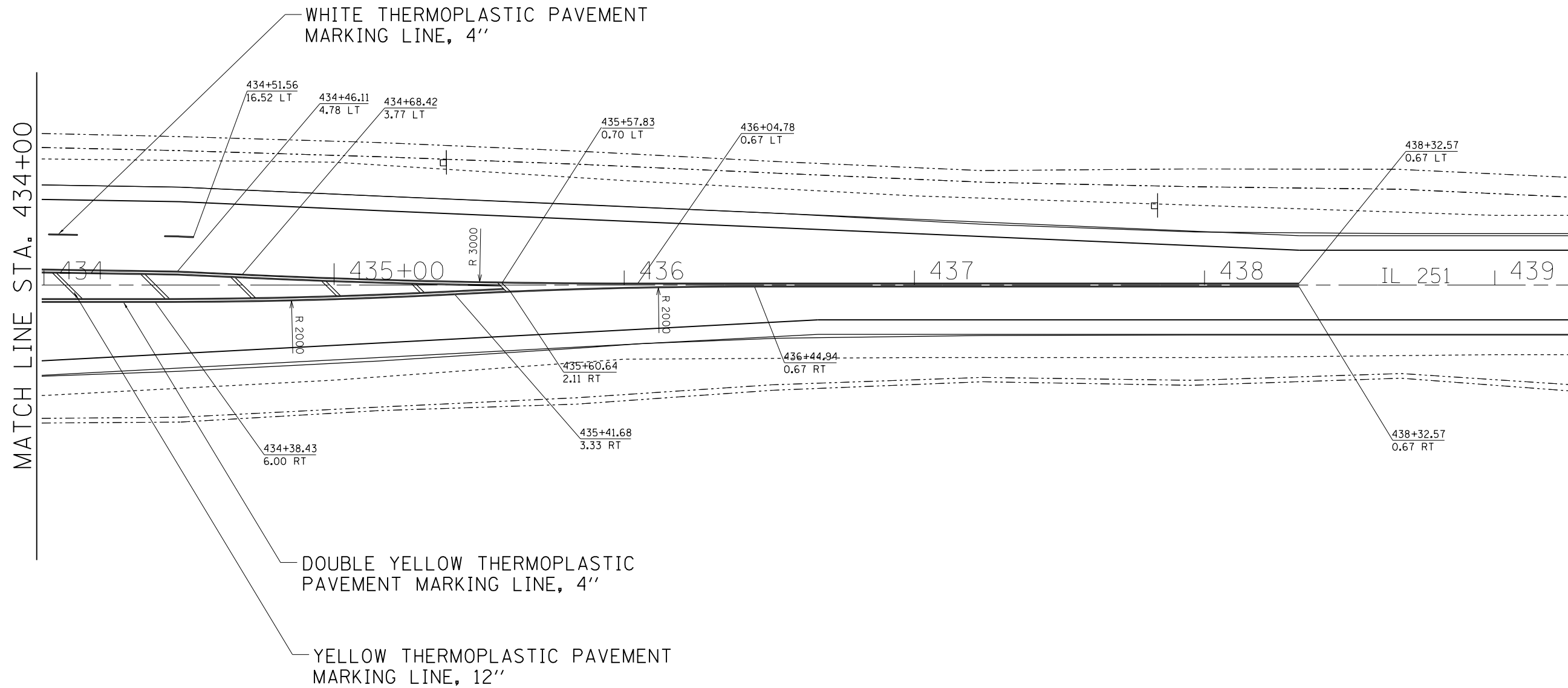
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DRAWN -					PLAN SHEETS		1042	(106.107) RS-5	OGLE	196	55
CHECKED -							CONTRACT NO. 64H6J				
PLOT DATE = May-04-2017 10:20:37 AM							ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING DETAILS



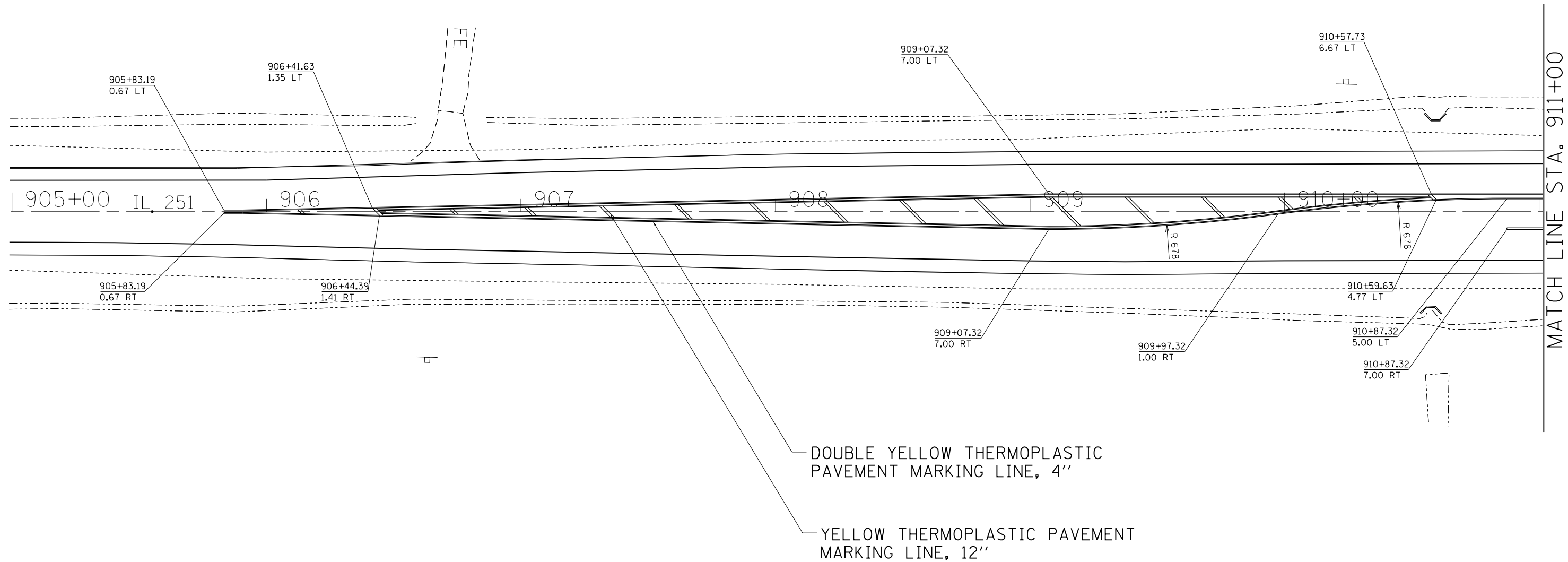
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251 & IL 64 PAVEMENT MARKING DETAILS		F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\02083312\02083312-sht-pmk.dgn		DRAWN	REVISED		1042	(106.107) RS-5	OGLE	193	57	CONTRACT NO. 64H61	
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
	PLOT DATE = May-17-2018 08:22:40 AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

PAVEMENT MARKING DETAILS



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251 & IL 64 PAVEMENT MARKING DETAILS			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\02083312\Drawings\02083312-shr-pmk.dgn		DRAWN -	REVISED -		1042	(106.107) RS-5	OGLE	193	58			
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT				
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PAVEMENT MARKING DETAILS



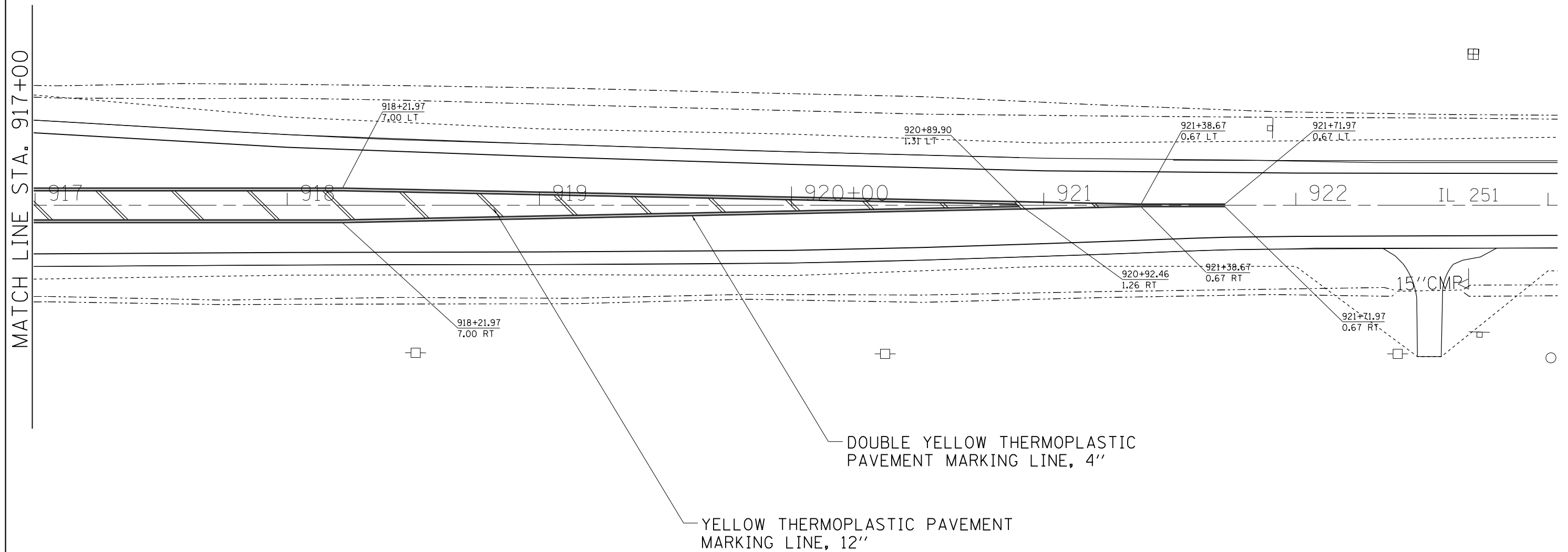
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 251 & SCOTT RD. PAVEMENT MARKING			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106.107) RS-5	OGLE	193	59
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING DETAILS

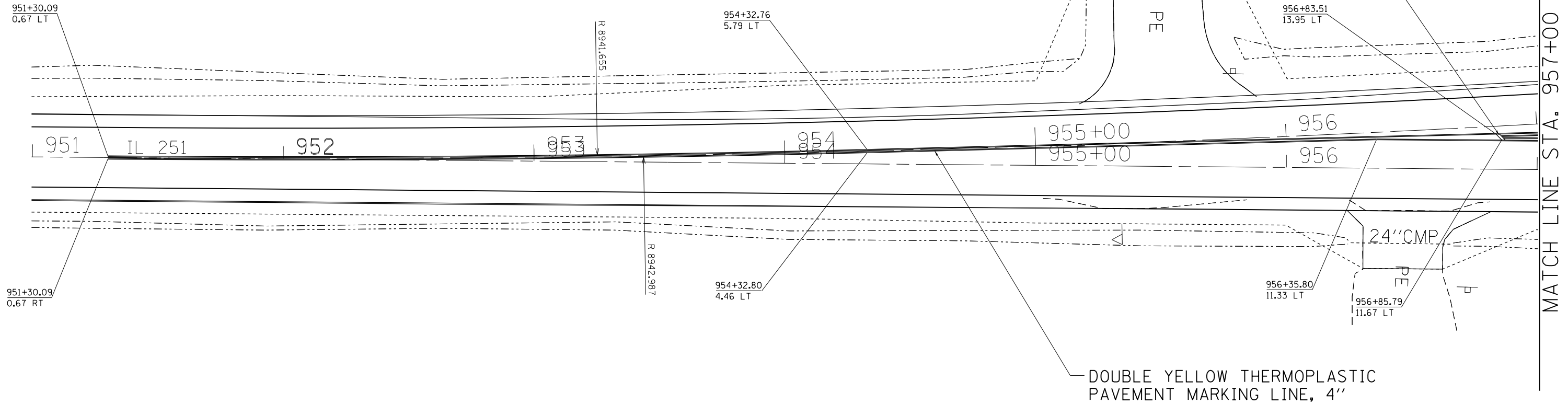


FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251 & SCOTT RD. PAVEMENT MARKING			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT				
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PAVEMENT MARKING DETAILS



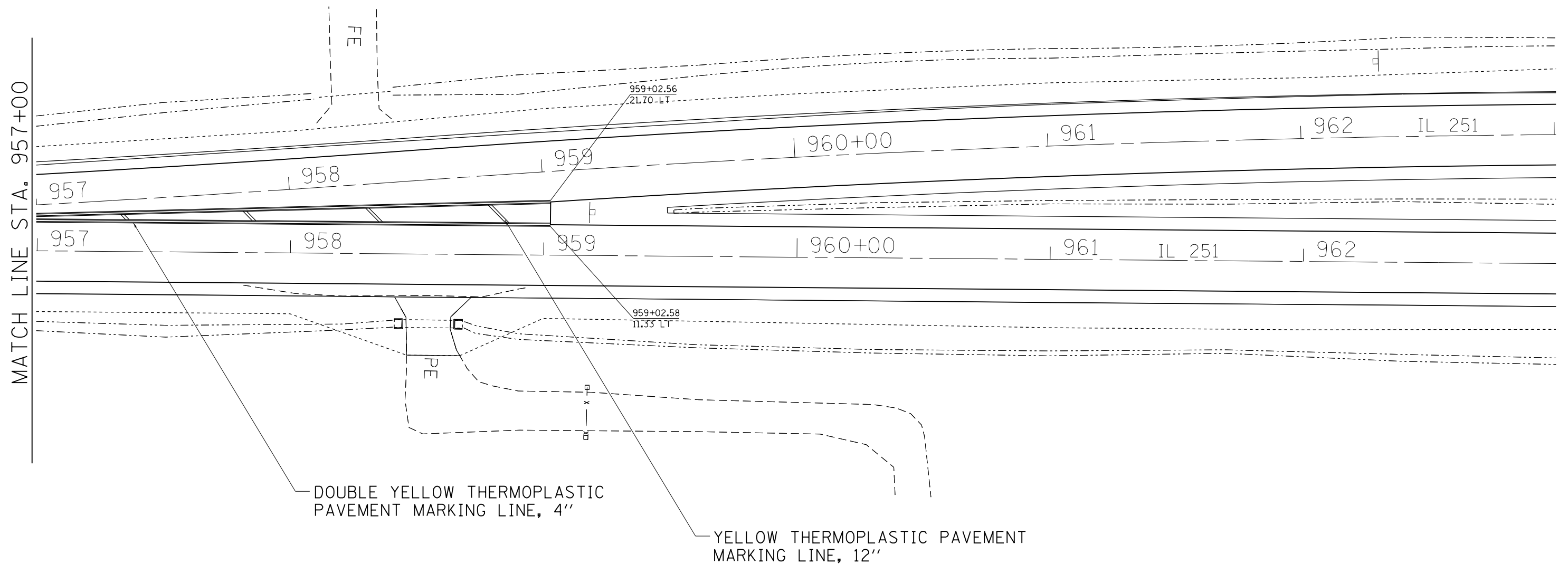
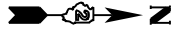
YELLOW THERMOPLASTIC PAVEMENT MARKING LINE, 12"



DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE, 4"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251, SOUTH OF EDSON RD. STA 951+00 - 959+00 PAVEMENT MARKING DETAILS	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\02083\Drawings\CADsheets\0203312-sht-pmk.dgn	DRAWN	REVISION	REVISION			1042	(106.107) RS-5	OGLE	193	62
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	
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PAVEMENT MARKING DETAILS



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
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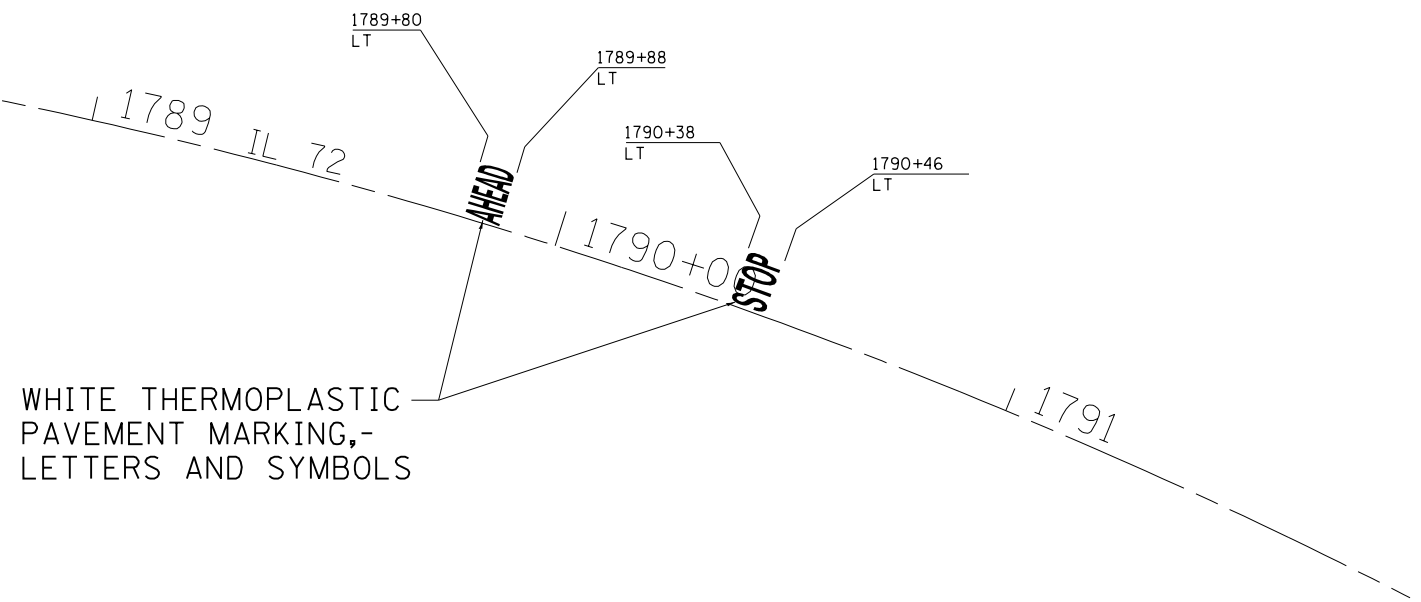
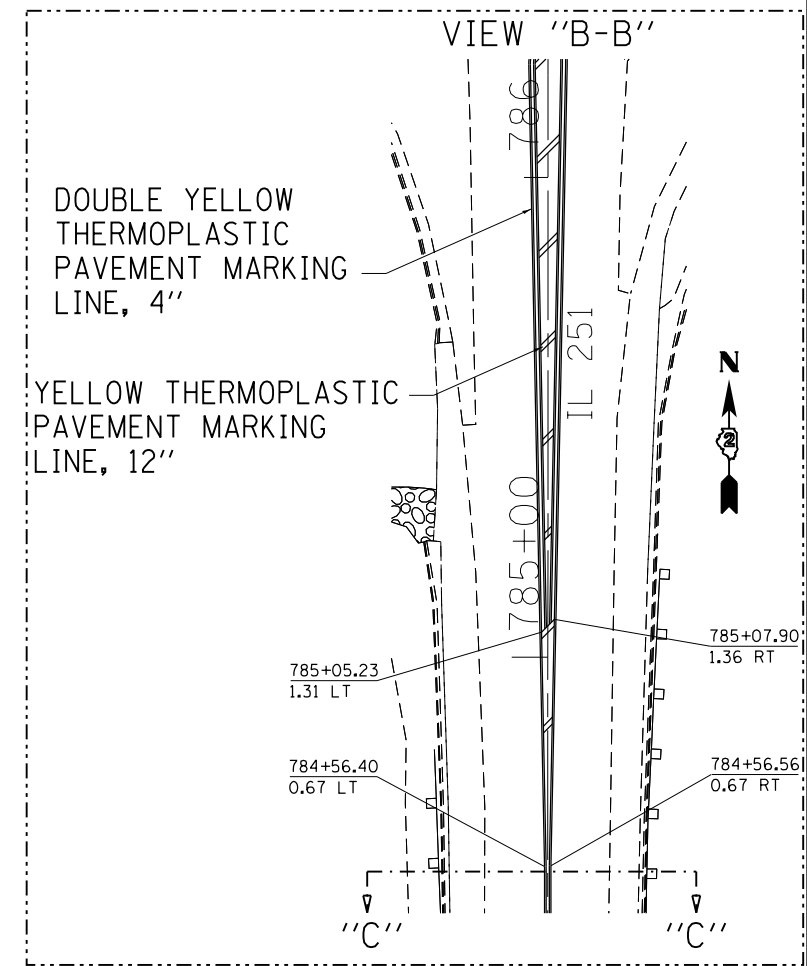
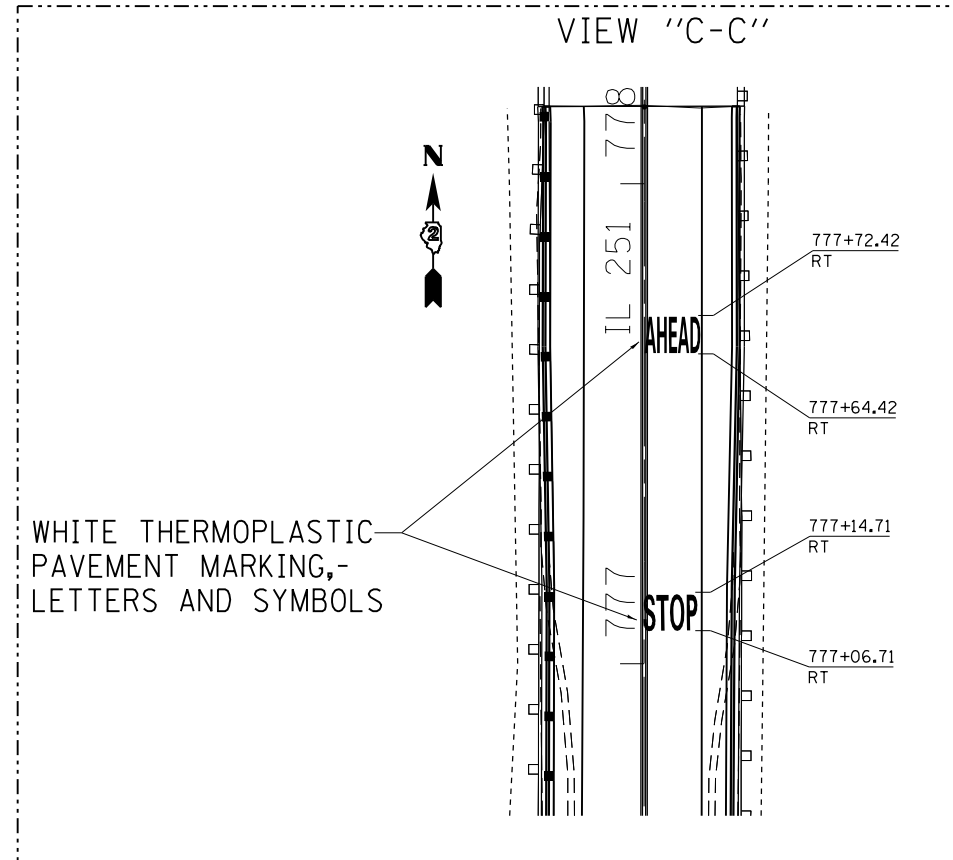
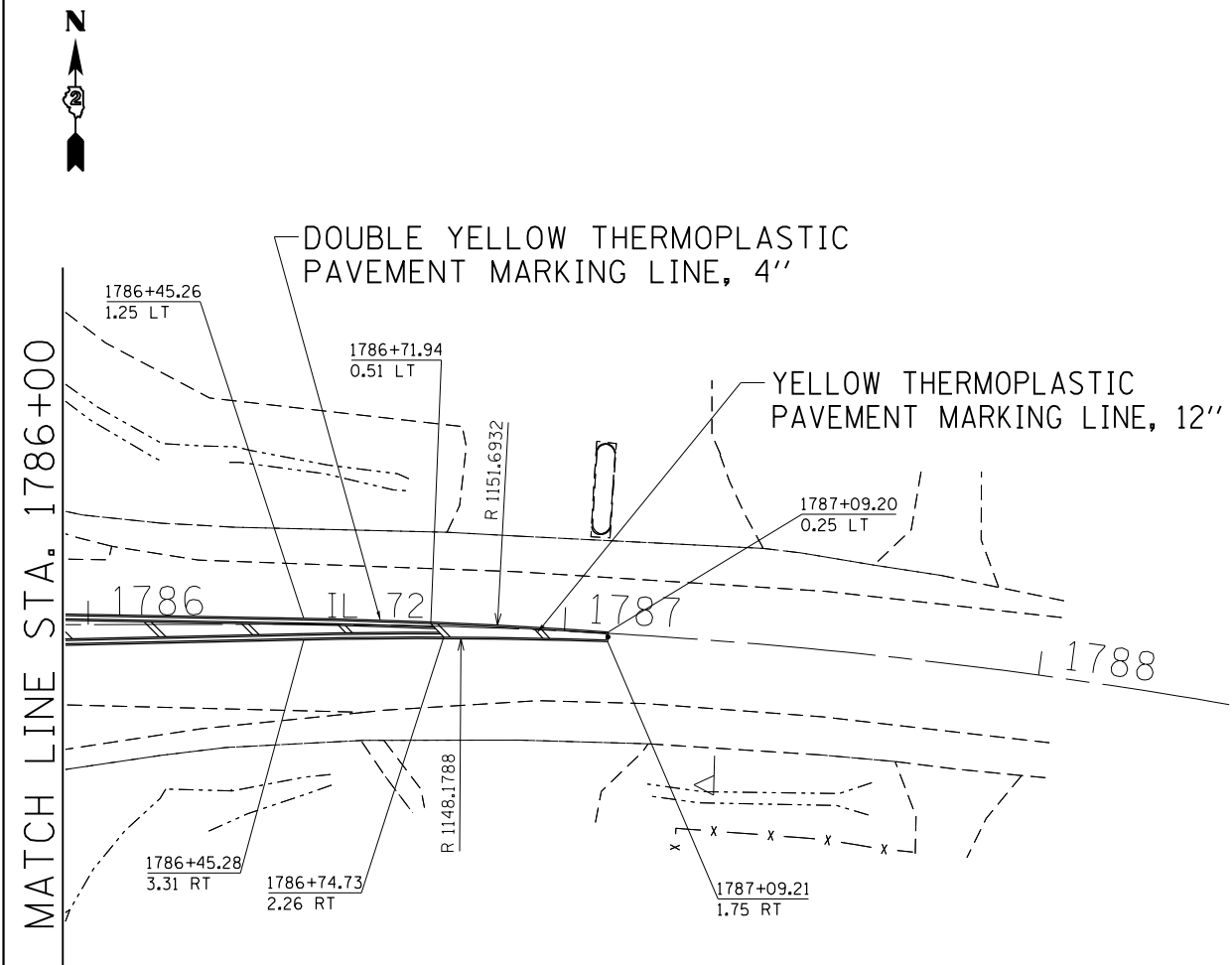
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251, SOUTH OF EDSON RD. STA 951+00 - 959+00
PAVEMENT MARKING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106.107) RS-5	OGLE	193	63
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING DETAILS



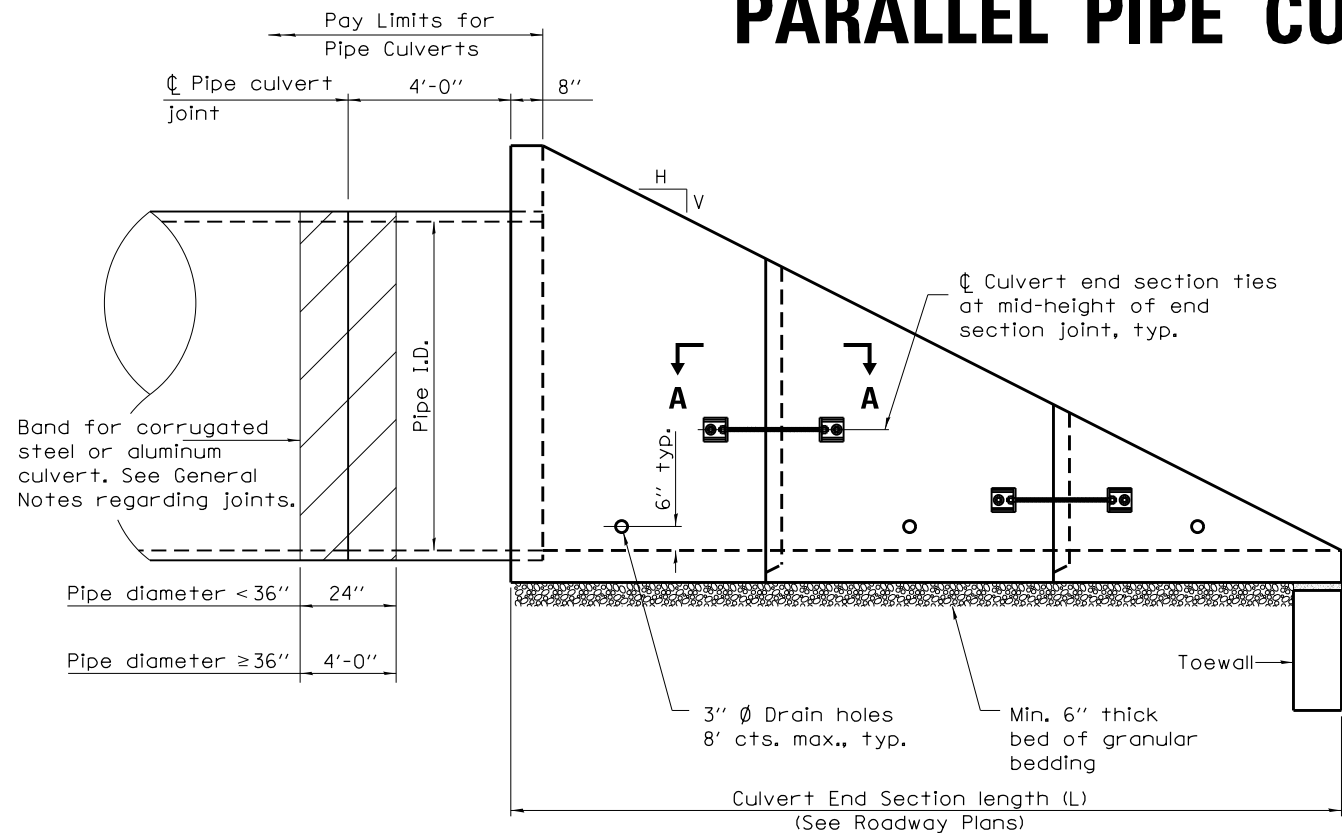
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS
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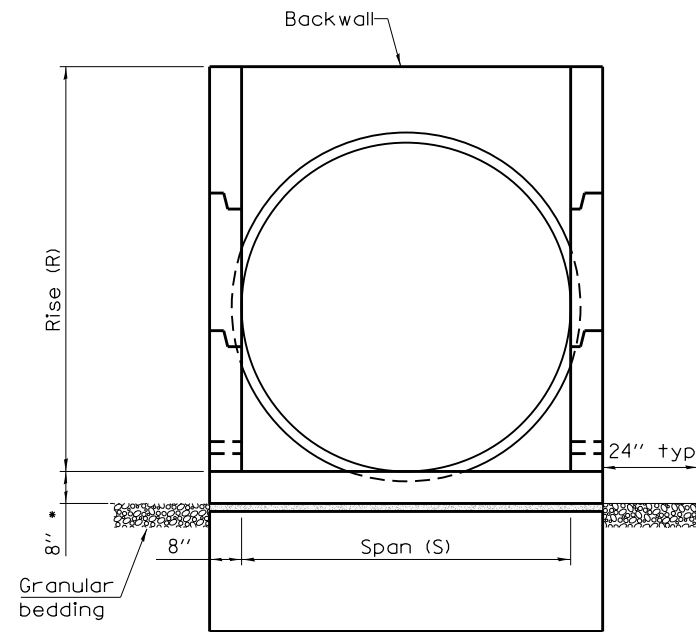
IL 251 & IL 72 PAVEMENT MARKING DETAILS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106.107) RS-5	OGLE	193	65
CONTRACT NO. 64H61				
ILLINOIS FED. AID PROJECT				

CONCRETE END SECTIONS FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.



ELEVATION



END VIEW

(Showing pipes)

- This dimension shall be increased by 1/2" for CIP field construction. See General Notes.

GENERAL NOTES

The concrete end sections detailed herein for flexible type pipe culverts are restricted to use with parallel type drainage structures only and traversable pipe grating placed perpendicular to the sidewalls. When traversable pipe grating placed parallel to the sidewalls is required, use standard 542001 or 542011.

A segment of pipe culvert shall be cast into the backwall of the concrete end section such that a minimum of 4 ft of pipe culvert extends from the back face of the end section as shown in Elevation.

Segments of pipe culvert shall be joined in accordance with Article 542 of the Standard Specifications except bands for corrugated steel or aluminum culverts shall conform to the length requirements shown in elevation and have the same corrugations as the culvert pipe. These bands will be included in cost of the pipe.

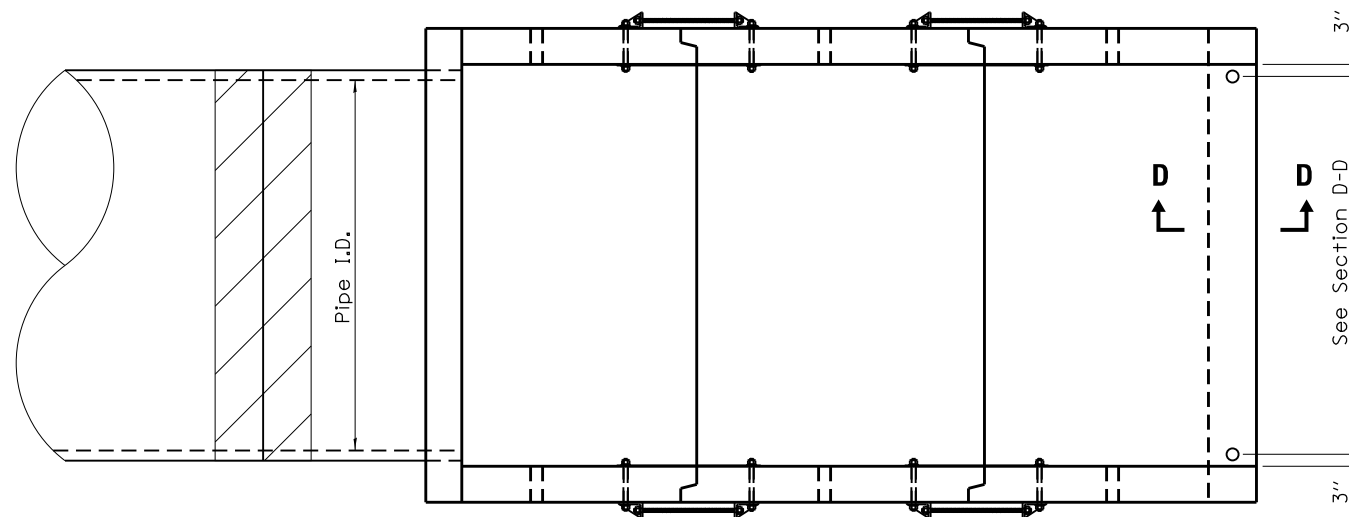
The number of segments shown in elevation is for example only. The length and number of precast sections required to construct the end section shall be determined by the Contractor.

See roadway plans for slope (V:H) and pipe inside diameter.

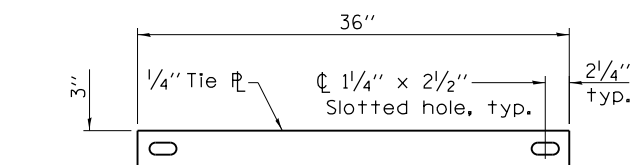
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of formed holes.

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

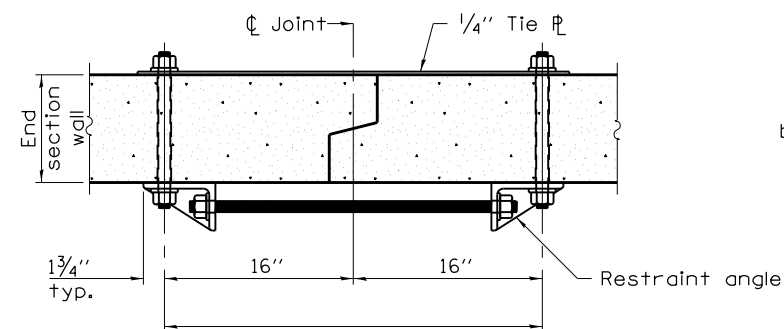
All dimensions are in inches unless otherwise shown.



PLAN

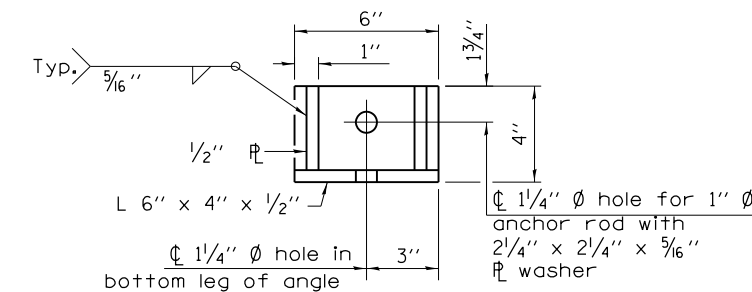


TIE PLATE DETAIL



SECTION A-A

(Showing end section tie details)



RESTRAINT ANGLE DETAIL

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 1-05-16
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0208\Drawings\CD\Sheets\0203312-shr-detail.dwg		CHECKED -	REVISED - 5-09-14
PLOT SCALE = 40.0000' / in.		DATE -	REVISED -
PLOT DATE = May-04-2017 10:35:41 AM			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

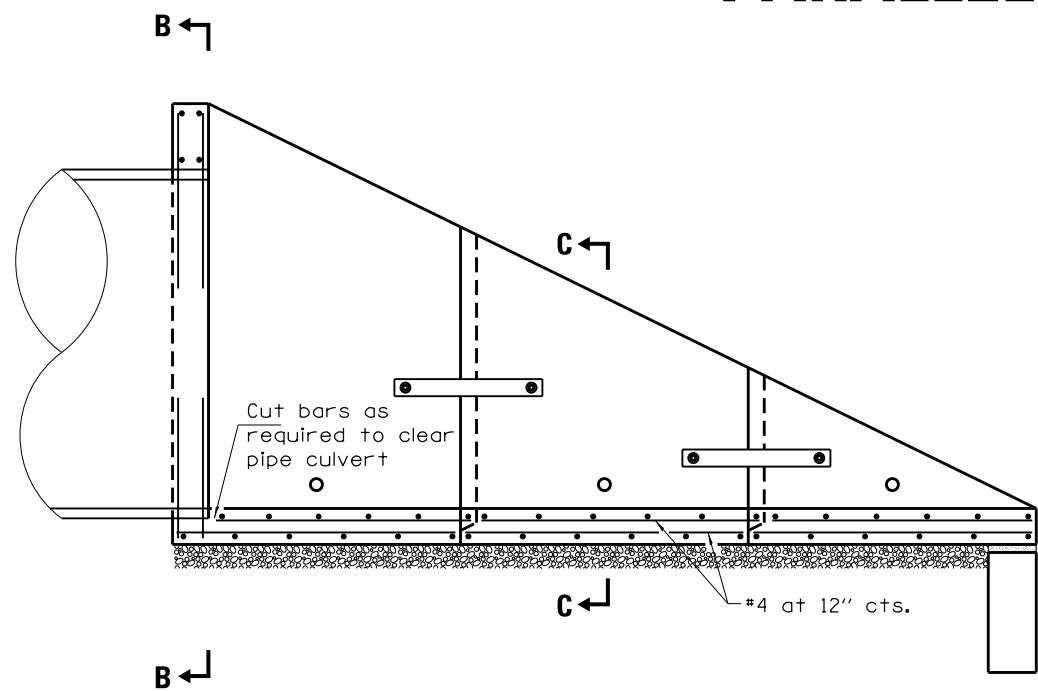
REGION 2 / DISTRICT 2 STANDARD

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

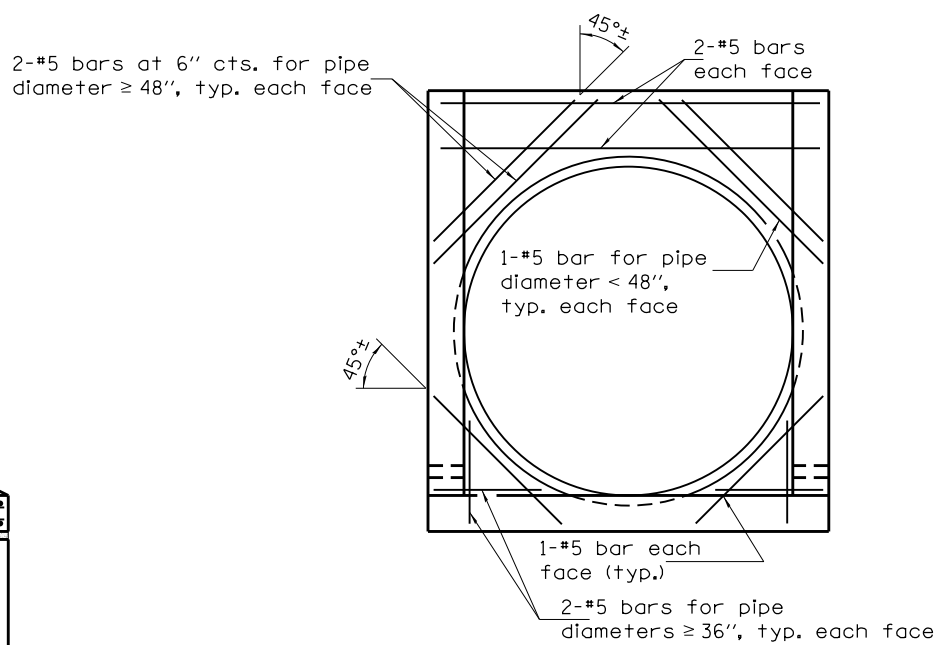
* FAS 1042 (IL251) & FAU 5454 (IL 251)

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	66
CONTRACT NO. 64H61				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONCRETE END SECTIONS FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.



LONGITUDINAL SECTION
(Showing bottom slab and backwall reinforcement.)

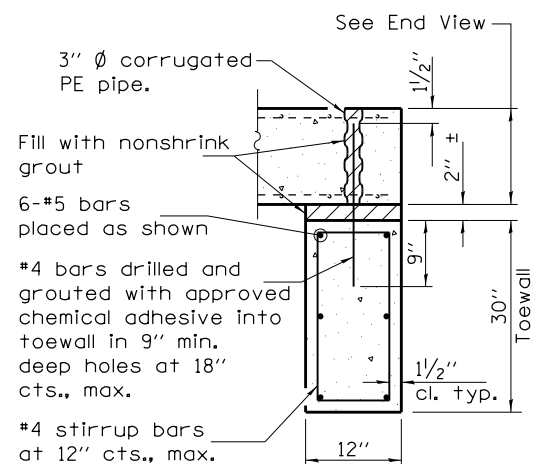


SECTION B-B
(Showing backwall reinforcement for pipes.)

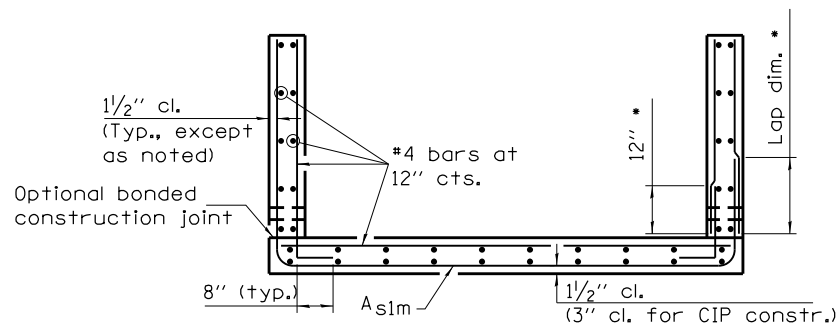
LAP DIMENSION

- #4 bar = 17"
- #5 bar = 21"
- #6 bar = 25"

*The Contractor may use lap splices for the sidewall reinforcement at the locations shown.



SECTION D-D



SECTION C-C

PARALLEL PIPE CULVERT END SECTION DIMENSIONS

Pipe I.D.	Tables IB, IC, IIIA, AND IIIB				
	R	S	Slope of End Section		
			1:4	1:6	1:10
15"	25"	16"	9'-0"	13'-2"	21'-6"
18"	28"	18"	10'-0"	14'-8"	24'-0"
21"	31"	22"	11'-0"	16'-2"	26'-6"
24"	35"	24"	12'-4"	18'-2"	29'-10"
30"	3'-5"	30"	14'-4"	21'-2"	34'-10"
36"	3'-11"	36"	16'-4"	24'-2"	39'-10"
42"	4'-5"	3'-6"	18'-4"	27'-2"	44'-10"
48"	5'-0"	4'-0"	20'-8"	30'-8"	50'-8"
54"	5'-4"	4'-6"	22'-0"	32'-8"	54'-0"
60"	5'-10"	5'-0"	24'-0"	35'-8"	59'-0"
66"	6'-4"	5'-6"	26'-0"	38'-8"	64'-0"
72"	6'-10"	6'-0"	28'-0"	41'-8"	69'-0"
78"	7'-4"	6'-6"	30'-0"	44'-8"	74'-0"
84"	7'-10"	7'-0"	32'-0"	47'-8"	79'-0"

REINFORCEMENT SCHEDULE

PIPES		
Pipe I.D.	As1m	
	Bar Size	Bar Spacing
15"	#4	12"
18"	#4	12"
21"	#4	12"
24"	#4	12"
30"	#4	12"
36"	#4	12"
42"	#4	12"
48"	#4	8"
54"	#4	8"
60"	#5	8"
66"	#5	8"
72"	#5	8"
78"	#5	8"
84"	#6	8"

The above "Tables" are referenced from Article 542.03 of the Standard Specifications.

* FAS 1042 (IL251) & FAU 5454 (IL 251)

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 1-05-16
pw\11084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 2\Projects\0203\DRAWING\CADsheets\0203312-shr-detail.dwg		CHECKED -	REVISED - 5-09-14
PLOT SCALE = 40.0000' / in.		DATE -	REVISED -
PLOT DATE = May-04-2017 10:35:42 AM			REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	67
CONTRACT NO. 64H61			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT	

CONCRETE END SECTIONS FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.

QUANTITIES

Pipe I.D.	Tables IB, IC, IIIA, AND IIIB								
	Concrete yd ³			Reinforcement without Lap lbs.			Reinforcement with Lap lbs.		
	Slope of End Section			Slope of End Section			Slope of End Section		
	1:4	1:6	1:10	1:4	1:6	1:10	1:4	1:6	1:10
15"	1.4	1.9	2.8	250	330	510	270	350	540
18"	1.6	2.2	3.4	290	400	600	310	420	640
21"	2.0	2.7	4.2	330	450	690	360	480	740
24"	2.3	3.2	5.0	370	510	790	400	550	850
30"	3.1	4.3	6.7	490	680	1060	520	720	1130
36"	3.9	5.5	8.7	580	810	1270	620	870	1360
42"	4.9	6.9	10.9	720	1020	1610	770	1080	1710
48"	6.0	8.6	13.7	940	1320	2090	1010	1420	2240
54"	6.9	9.8	15.7	1090	1540	2440	1160	1650	2610
60"	8.1	11.6	18.6	1410	2000	3190	1530	2180	3480
66"	9.5	13.6	21.8	1650	2360	3780	1780	2560	4100
72"	10.9	15.7	25.2	1840	2630	4220	1990	2850	4580
78"	12.4	17.9	28.9	2110	3040	4900	2280	3280	5290
84"	14.1	20.3	32.8	2710	3910	6320	2970	4290	6950

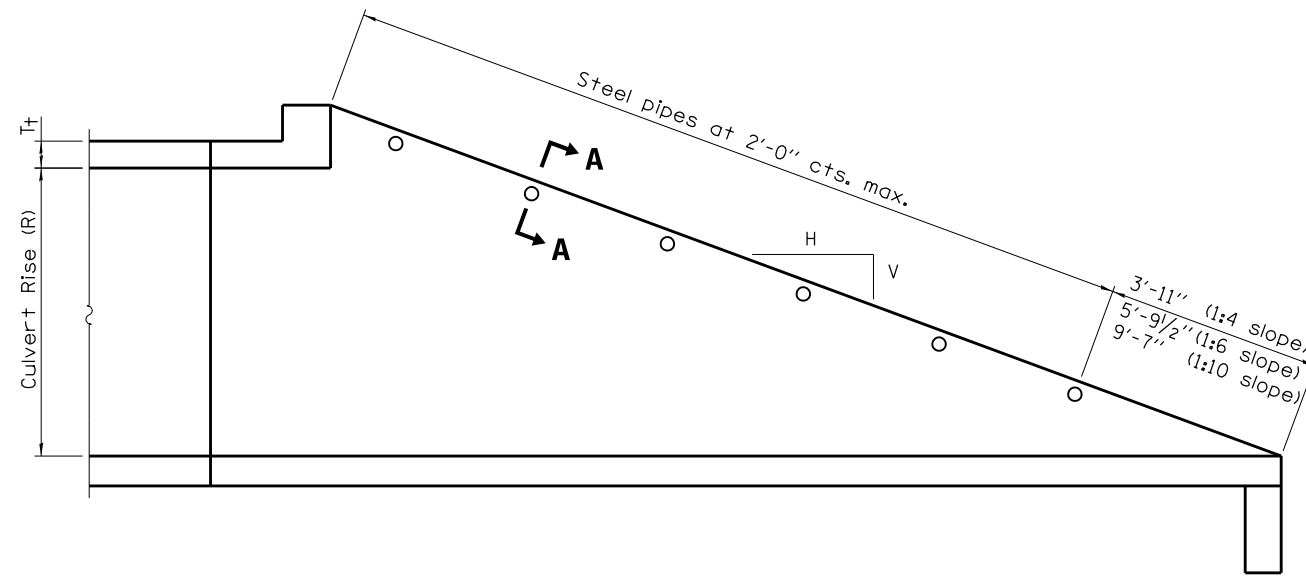
The above quantities are estimates and provided for information only. Actual quantities may vary depending upon the final layout of reinforcement and number of segments determined by the Contractor.

For cast-in-place construction, increase concrete volumes by approximately 12%.

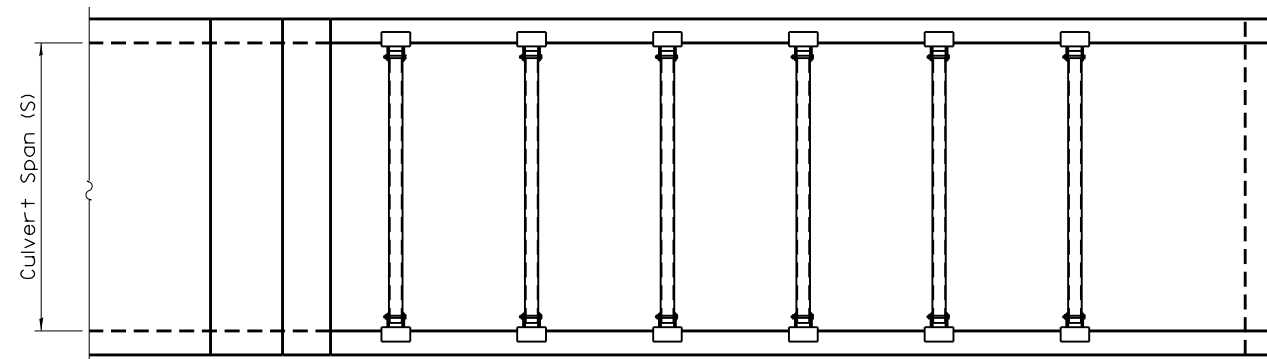
FILE NAME =	USER NAME = ankneyde	DESIGNED - _____	REVISED - 1-05-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0203312\Drawings\0203312-shd-detailed	DESIGNED - _____	REVISED - 5-09-14				* (106.107)RS-5	OGLE	.196	.68		
PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____				SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64H6L			
PLOT DATE = May-04-2017 10:35:42 AM	DATE - _____	REVISED - _____				FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

* FAS 1042 (IL251) & FAU 5454 (IL 251)

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE



LONGITUDINAL SECTION



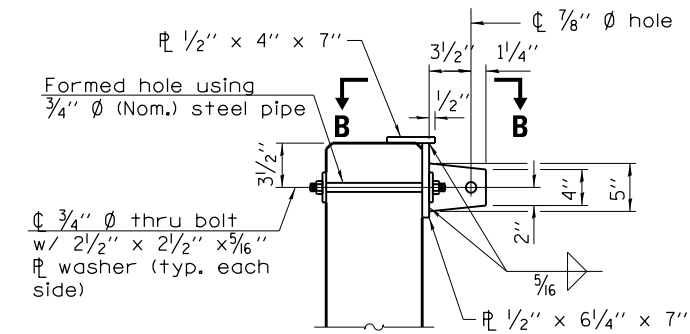
PLAN VIEW

GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise.

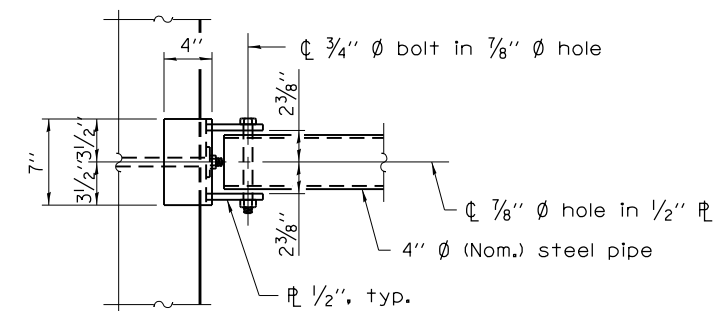
This standard shall only be used on concrete end sections for parallel drainage structures.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.



SECTION A-A

(4" Ø pipe not shown for clarity.)



VIEW B-B

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 5-09-14
pw:\IL\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\0208312\Drawings\0208312-shd-detailed		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

* FAS 1042 (IL251) & FAU 5454 (IL 251)

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	69
CONTRACT NO. 64H6L				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL BOX CULVERTS

(<2 FT COVER)							
BOX SIZE		SLOPE OF END SECTION					
		1:4		1:6		1:10	
SPAN (FT.)	RISE (FT.)	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
3	2	5 @ 2'-7"	12'-11"	8 @ 2'-7"	20'-8"	12 @ 2'-7"	31'-0"
3	3	7 @ 2'-7"	18'-1"	11 @ 2'-7"	28'-5"	17 @ 2'-7"	43'-11"
4	2	5 @ 3'-7"	17'-11"	8 @ 3'-7"	28'-8"	13 @ 3'-7"	46'-7"
4	3	8 @ 3'-7"	28'-8"	11 @ 3'-7"	39'-5"	18 @ 3'-7"	64'-6"
4	4	10 @ 3'-7"	35'-10"	14 @ 3'-7"	50'-2"	23 @ 3'-7"	82'-5"
5	2	6 @ 4'-7"	27'-6"	8 @ 4'-7"	36'-8"	13 @ 4'-7"	59'-7"
5	3	8 @ 4'-7"	36'-8"	11 @ 4'-7"	50'-5"	18 @ 4'-7"	82'-6"
5	4	10 @ 4'-7"	45'-10"	14 @ 4'-7"	64'-2"	23 @ 4'-7"	105'-5"
5	5	12 @ 4'-7"	55'-0"	17 @ 4'-7"	77'-11"	28 @ 4'-7"	128'-4"
6	2	6 @ 5'-7"	33'-6"	8 @ 5'-7"	44'-8"	13 @ 5'-7"	72'-7"
6	3	8 @ 5'-7"	44'-8"	11 @ 5'-7"	61'-5"	18 @ 5'-7"	100'-6"
6	4	10 @ 5'-7"	55'-10"	14 @ 5'-7"	78'-2"	23 @ 5'-7"	128'-5"
6	5	12 @ 5'-7"	67'-0"	17 @ 5'-7"	94'-11"	28 @ 5'-7"	156'-4"
6	6	14 @ 5'-7"	78'-2"	20 @ 5'-7"	111'-8"	33 @ 5'-7"	184'-3"
7	2	6 @ 6'-7"	39'-6"	8 @ 6'-7"	52'-8"	13 @ 6'-7"	85'-7"
7	3	8 @ 6'-7"	52'-8"	11 @ 6'-7"	72'-5"	18 @ 6'-7"	118'-6"
7	4	10 @ 6'-7"	65'-10"	14 @ 6'-7"	92'-2"	23 @ 6'-7"	151'-5"
7	5	12 @ 6'-7"	79'-0"	17 @ 6'-7"	111'-11"	28 @ 6'-7"	184'-4"
7	6	14 @ 6'-7"	92'-2"	20 @ 6'-7"	131'-8"	33 @ 6'-7"	217'-3"
7	7	16 @ 6'-7"	105'-4"	23 @ 6'-7"	151'-5"	38 @ 6'-7"	250'-2"
8	2	6 @ 7'-7"	45'-6"	8 @ 7'-7"	60'-8"	13 @ 7'-7"	98'-7"
8	3	8 @ 7'-7"	60'-8"	11 @ 7'-7"	83'-5"	18 @ 7'-7"	136'-6"
8	4	10 @ 7'-7"	75'-10"	14 @ 7'-7"	106'-2"	23 @ 7'-7"	174'-5"
8	5	12 @ 7'-7"	91'-0"	17 @ 7'-7"	128'-11"	28 @ 7'-7"	212'-4"
8	6	14 @ 7'-7"	106'-2"	20 @ 7'-7"	151'-8"	33 @ 7'-7"	250'-3"
8	7	16 @ 7'-7"	121'-4"	23 @ 7'-7"	174'-5"	38 @ 7'-7"	288'-2"
8	8	18 @ 7'-7"	136'-6"	26 @ 7'-7"	197'-2"	43 @ 7'-7"	326'-1"
9	2	6 @ 8'-7"	51'-6"	8 @ 8'-7"	68'-8"	13 @ 8'-7"	111'-7"
9	3	8 @ 8'-7"	68'-8"	11 @ 8'-7"	94'-5"	18 @ 8'-7"	154'-6"
9	4	10 @ 8'-7"	85'-10"	14 @ 8'-7"	120'-2"	23 @ 8'-7"	197'-5"
9	5	12 @ 8'-7"	103'-0"	17 @ 8'-7"	145'-11"	28 @ 8'-7"	240'-4"
9	6	14 @ 8'-7"	120'-2"	20 @ 8'-7"	171'-8"	33 @ 8'-7"	283'-3"
9	7	16 @ 8'-7"	137'-4"	23 @ 8'-7"	197'-5"	38 @ 8'-7"	326'-2"
9	8	18 @ 8'-7"	154'-6"	26 @ 8'-7"	223'-2"	43 @ 8'-7"	369'-1"
9	9	20 @ 8'-7"	171'-8"	30 @ 8'-7"	257'-6"	48 @ 8'-7"	412'-0"
10	2	6 @ 9'-7"	57'-6"	9 @ 9'-7"	86'-3"	14 @ 9'-7"	134'-2"
10	3	8 @ 9'-7"	76'-8"	12 @ 9'-7"	115'-0"	19 @ 9'-7"	182'-1"
10	4	10 @ 9'-7"	95'-10"	15 @ 9'-7"	143'-9"	24 @ 9'-7"	230'-0"
10	5	12 @ 9'-7"	115'-0"	18 @ 9'-7"	172'-6"	29 @ 9'-7"	277'-11"
10	6	14 @ 9'-7"	134'-2"	21 @ 9'-7"	201'-3"	34 @ 9'-7"	325'-10"
10	7	16 @ 9'-7"	153'-4"	24 @ 9'-7"	230'-0"	39 @ 9'-7"	373'-9"
10	8	18 @ 9'-7"	172'-6"	27 @ 9'-7"	258'-9"	44 @ 9'-7"	421'-8"
10	9	20 @ 9'-7"	191'-8"	30 @ 9'-7"	287'-5"	49 @ 9'-7"	469'-7"
10	10	22 @ 9'-7"	210'-10"	33 @ 9'-7"	316'-3"	54 @ 9'-7"	517'-6"

PIPE GRATE SCHEDULE FOR PARALLEL BOX CULVERTS

(<2 FT COVER)							
BOX SIZE		SLOPE OF END SECTION					
		1:4		1:6		1:10	
SPAN (FT.)	RISE (FT.)	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
11	2	6 @ 10'-7"	63'-6"	9 @ 10'-7"	95'-3"	14 @ 10'-7"	148'-2"
11	3	8 @ 10'-7"	84'-8"	12 @ 10'-7"	127'-0"	19 @ 10'-7"	201'-1"
11	4	10 @ 10'-7"	105'-10"	15 @ 10'-7"	158'-9"	24 @ 10'-7"	254'-0"
11	6	14 @ 10'-7"	148'-2"	21 @ 10'-7"	222'-3"	34 @ 10'-7"	359'-10"
11	8	18 @ 10'-7"	190'-6"	27 @ 10'-7"	285'-9"	44 @ 10'-7"	465'-8"
11	10	23 @ 10'-7"	243'-5"	33 @ 10'-7"	349'-3"	54 @ 10'-7"	571'-6"
11	11	25 @ 10'-7"	264'-7"	36 @ 10'-7"	381'-0"	59 @ 10'-7"	624'-5"
12	2	6 @ 11'-7"	69'-6"	9 @ 11'-7"	104'-3"	15 @ 11'-7"	173'-9"
12	3	8 @ 11'-7"	92'-8"	12 @ 11'-7"	139'-0"	20 @ 11'-7"	231'-8"
12	4	10 @ 11'-7"	115'-10"	15 @ 11'-7"	173'-9"	25 @ 11'-7"	289'-7"
12	6	15 @ 11'-7"	173'-9"	21 @ 11'-7"	243'-3"	35 @ 11'-7"	405'-5"
12	8	19 @ 11'-7"	220'-1"	27 @ 11'-7"	312'-9"	45 @ 11'-7"	521'-3"
12	10	23 @ 11'-7"	266'-5"	33 @ 11'-7"	382'-3"	55 @ 11'-7"	637'-1"
12	12	27 @ 11'-7"	312'-9"	39 @ 11'-7"	451'-9"	65 @ 11'-7"	752'-11"

PIPE GRATE SCHEDULE FOR PARALLEL BOX CULVERTS

(>2 FT COVER)							
BOX SIZE		SLOPE OF END SECTION					
		1:4		1:6		1:10	
SPAN (FT.)	RISE (FT.)	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
3	2	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"	11 @ 2'-7"	28'-5"
3	3	7 @ 2'-7"	18'-1"	10 @ 2'-7"	25'-10"	16 @ 2'-7"	41'-4"
4	2	5 @ 3'-7"	17'-11"	7 @ 3'-7"	25'-1"	12 @ 3'-7"	43'-0"
4	3	7 @ 3'-7"	25'-1"	10 @ 3'-7"	35'-10"	17 @ 3'-7"	60'-11"
4	4	9 @ 3'-7"	32'-3"	13 @ 3'-7"	46'-7"	22 @ 3'-7"	78'-10"
5	2	5 @ 4'-7"	22'-11"	7 @ 4'-7"	32'-1"	12 @ 4'-7"	55'-0"
5	3	7 @ 4'-7"	32'-1"	11 @ 4'-7"	50'-5"	17 @ 4'-7"	77'-11"
5	4	9 @ 4'-7"	41'-3"	14 @ 4'-7"	64'-2"	22 @ 4'-7"	100'-10"
5	5	11 @ 4'-7"	50'-5"	17 @ 4'-7"	77'-11"	27 @ 4'-7"	123'-9"
6	2	5 @ 5'-7"	27'-11"	8 @ 5'-7"	44'-8"	12 @ 5'-7"	67'-0"
6	3	7 @ 5'-7"	39'-1"	11 @ 5'-7"	61'-5"	17 @ 5'-7"	94'-11"
6	4	10 @ 5'-7"	55'-10"	14 @ 5'-7"	78'-2"	23 @ 5'-7"	128'-5"
6	5	12 @ 5'-7"	67'-0"	17 @ 5'-7"	94'-11"	28 @ 5'-7"	156'-4"
6	6	14 @ 5'-7"	78'-2"	20 @ 5'-7"	111'-8"	33 @ 5'-7"	184'-3"

Follow (<2 FT Cover) table for all other sizes

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 5-09-14
pw:\IL084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\0208312\Drawings\0208312-shd-detailed.dwg		CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.		DATE -	REVISED -
PLOT DATE = May-04-2017 10:35:43 AM			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

* FAS 1042 (IL251) & FAU 5454 (IL 251)

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	70
CONTRACT NO. 64H6L				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.

Pipe I.D.	SLOPE OF END SECTION					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	3 @ 0'-11"	2'-9"	4 @ 0'-11"	3'-8"	6 @ 0'-11"	5'-6"
18"	3 @ 1'-1"	3'-3"	5 @ 1'-1"	5'-5"	7 @ 1'-1"	7'-7"
21"	4 @ 1'-5"	5'-8"	5 @ 1'-5"	7'-1"	9 @ 1'-5"	12'-9"
24"	5 @ 1'-7"	7'-11"	6 @ 1'-7"	9'-6"	10 @ 1'-7"	15'-10"
30"	6 @ 2'-1"	12'-6"	8 @ 2'-1"	16'-8"	13 @ 2'-1"	27'-1"
36"	7 @ 2'-7"	18'-1"	10 @ 2'-7"	25'-10"	15 @ 2'-7"	38'-9"
42"	8 @ 3'-1"	24'-8"	11 @ 3'-1"	33'-11"	18 @ 3'-1"	55'-6"
48"	9 @ 3'-7"	32'-3"	13 @ 3'-7"	46'-7"	21 @ 3'-7"	75'-3"
54"	10 @ 4'-1"	40'-10"	14 @ 4'-1"	57'-2"	23 @ 4'-1"	93'-11"
60"	11 @ 4'-7"	50'-5"	15 @ 4'-7"	68'-9"	25 @ 4'-7"	114'-7"
66"	12 @ 5'-1"	61'-0"	17 @ 5'-1"	86'-5"	28 @ 5'-1"	142'-4"
72"	13 @ 5'-7"	72'-7"	18 @ 5'-7"	100'-6"	30 @ 5'-7"	167'-6"
78"	14 @ 6'-1"	85'-2"	20 @ 6'-1"	121'-8"	33 @ 6'-1"	200'-9"
84"	15 @ 6'-7"	98'-9"	21 @ 6'-7"	138'-3"	35 @ 6'-7"	230'-5"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 5-09-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.*	SECTION	COUNTY	TOTAL	SHEET	
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0208312\Drawings\0208312-shd-detail.dwg	DRAWN	CHECKED	REVISED			*	(106.107)RS-5	OGLE	.196	.71	
PLOT SCALE = 40.0000' / in.	CHECKED	REVISED	REVISED			SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64H6L			
PLOT DATE = May-04-2017 10:35:44 AM	DATE	REVISED	REVISED			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

* FAS 1042 (IL251) & FAU 5454 (IL 251)

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL PIPE ARCH CULVERTS 15" THRU 84" DIA.

SLOPE OF END SECTION						
Pipe I.D.	Table IIA, Corrugation : 2 2/3" x 1/2"					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	2 @ 1'-1"	2'-2"	3 @ 1'-1"	3'-3"	5 @ 1'-1"	5'-5"
18"	3 @ 1'-5"	4'-3"	4 @ 1'-5"	5'-8"	6 @ 1'-5"	8'-6"
21"	3 @ 1'-7"	4'-9"	5 @ 1'-7"	7'-11"	7 @ 1'-7"	11'-1"
24"	4 @ 1'-11"	7'-8"	5 @ 1'-11"	9'-7"	8 @ 1'-11"	15'-4"
30"	4 @ 2'-7"	10'-4"	6 @ 2'-7"	15'-6"	10 @ 2'-7"	25'-10"
36"	5 @ 3'-1"	15'-5"	7 @ 3'-1"	21'-7"	12 @ 3'-1"	37'-0"
42"	6 @ 3'-9"	22'-6"	9 @ 3'-9"	33'-9"	14 @ 3'-9"	52'-6"
48"	7 @ 4'-5"	30'-11"	10 @ 4'-5"	44'-2"	16 @ 4'-5"	70'-8"
54"	8 @ 4'-11"	39'-4"	11 @ 4'-11"	54'-1"	18 @ 4'-11"	88'-6"
60"	8 @ 5'-7"	44'-8"	12 @ 5'-7"	67'-0"	20 @ 5'-7"	111'-8"
66"	9 @ 6'-1"	54'-9"	13 @ 6'-1"	79'-1"	22 @ 6'-1"	133'-10"
72"	10 @ 6'-7"	65'-10"	15 @ 6'-7"	98'-9"	24 @ 6'-7"	158'-0"
78"	-	-	-	-	-	-
84"	-	-	-	-	-	-

PIPE GRATE SCHEDULE FOR PARALLEL PIPE ARCH CULVERTS 15" THRU 84" DIA.

SLOPE OF END SECTION						
Pipe I.D.	Table IIA, Corrugation : 3" x 1"					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	-	-	-	-	-	-
18"	-	-	-	-	-	-
21"	-	-	-	-	-	-
24"	-	-	-	-	-	-
30"	-	-	-	-	-	-
36"	6 @ 2'-11"	17'-6"	8 @ 2'-11"	23'-4"	13 @ 2'-11"	37'-11"
42"	7 @ 3'-5"	23'-11"	10 @ 3'-5"	34'-2"	15 @ 3'-5"	51'-3"
48"	8 @ 4'-1"	32'-8"	11 @ 4'-1"	44'-11"	18 @ 4'-1"	73'-6"
54"	9 @ 4'-7"	41'-3"	12 @ 4'-7"	55'-0"	20 @ 4'-7"	91'-10"
60"	9 @ 5'-1"	45'-9"	14 @ 5'-1"	71'-2"	22 @ 5'-1"	111'-10"
66"	10 @ 5'-9"	57'-6"	15 @ 5'-9"	86'-3"	24 @ 5'-9"	138'-0"
72"	11 @ 6'-5"	70'-7"	16 @ 6'-5"	102'-8"	26 @ 6'-5"	166'-10"
78"	12 @ 6'-11"	83'-0"	17 @ 6'-11"	117'-7"	28 @ 6'-11"	193'-8"
84"	12 @ 7'-7"	91'-0"	18 @ 7'-7"	136'-6"	30 @ 7'-7"	227'-6"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 5-09-14
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	72
CONTRACT NO. 64H6L				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

* FAS 1042 (IL251) & FAU 5454 (IL 251)

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL ELLIPTICAL PIPE CULVERTS 15" THRU 72" DIA.

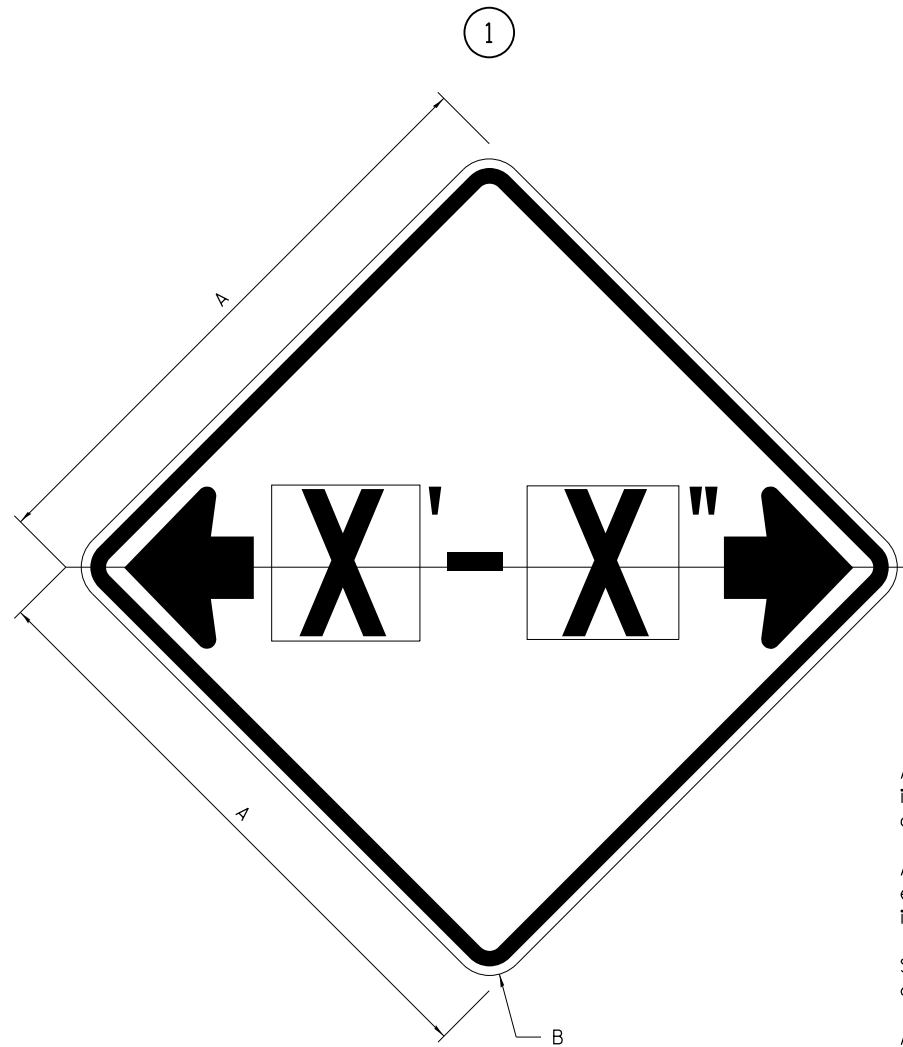
Pipe I.D.	SLOPE OF END SECTION					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	3 @ 2'-7"	7'-9"	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"
18"	3 @ 2'-7"	7'-9"	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"
21"	5 @ 3'-3"	16'-3"	7 @ 3'-3"	22'-9"	12 @ 3'-3"	39'-0"
24"	5 @ 3'-3"	16'-3"	7 @ 3'-3"	22'-9"	12 @ 3'-3"	39'-0"
27"	6 @ 3'-7"	21'-6"	8 @ 3'-7"	28'-8"	13 @ 3'-7"	46'-7"
30"	6 @ 3'-11"	23'-6"	9 @ 3'-11"	35'-3"	14 @ 3'-11"	54'-10"
36"	7 @ 4'-7"	32'-1"	10 @ 4'-7"	45'-10"	16 @ 4'-7"	73'-4"
42"	8 @ 5'-5"	43'-4"	11 @ 5'-5"	59'-7"	18 @ 5'-5"	97'-6"
48"	9 @ 6'-1"	54'-9"	13 @ 6'-1"	79'-1"	20 @ 6'-1"	121'-8"
54"	10 @ 6'-9"	67'-6"	14 @ 6'-9"	94'-6"	23 @ 6'-9"	155'-3"
60"	11 @ 7'-7"	83'-5"	15 @ 7'-7"	113'-9"	25 @ 7'-7"	189'-7"
66"	11 @ 8'-3"	90'-9"	17 @ 8'-3"	140'-3"	27 @ 8'-3"	222'-9"
72"	12 @ 8'-11"	107'-0"	18 @ 8'-11"	160'-6"	30 @ 8'-11"	267'-6"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 5-09-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\02083\Drawings\02083-12-shr-detail.dwg	DRAWN	CHECKED	REVISED			* (106.107)RS-5	OGLE	.196	.73	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 64H6L				
PLOT DATE = May-04-2017 10:35:44 AM	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

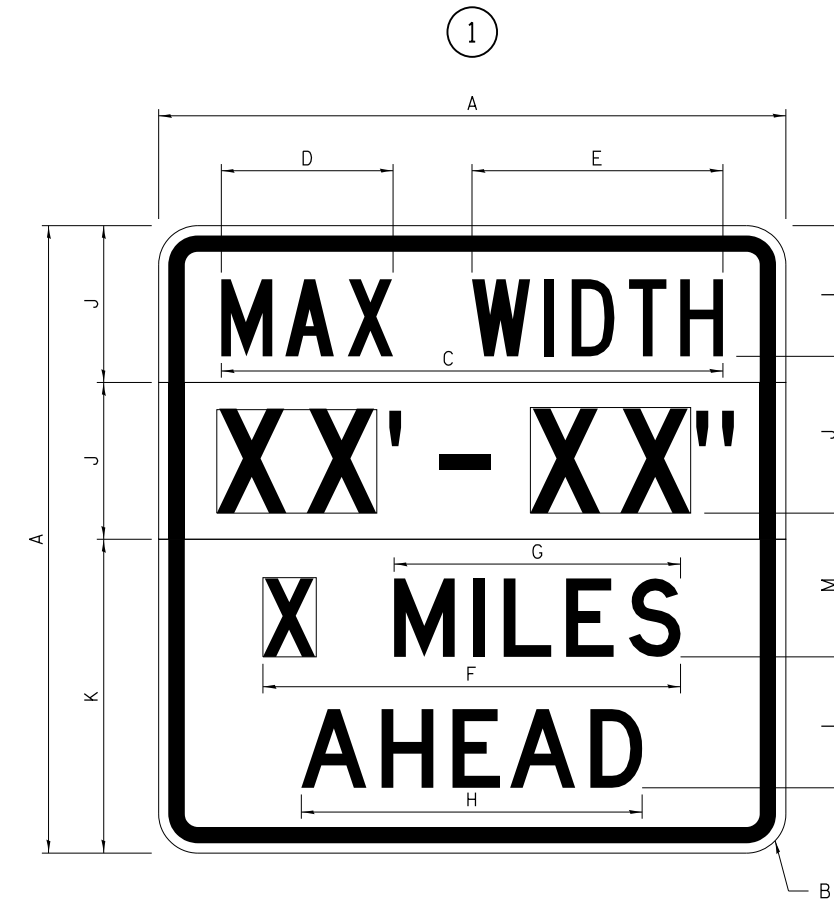
* FAS 1042 (IL251) & FAU 5454 (IL 251)

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

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

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 3-02-16
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\02083312-2\Drawings\02083312-shd-details.dwg		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

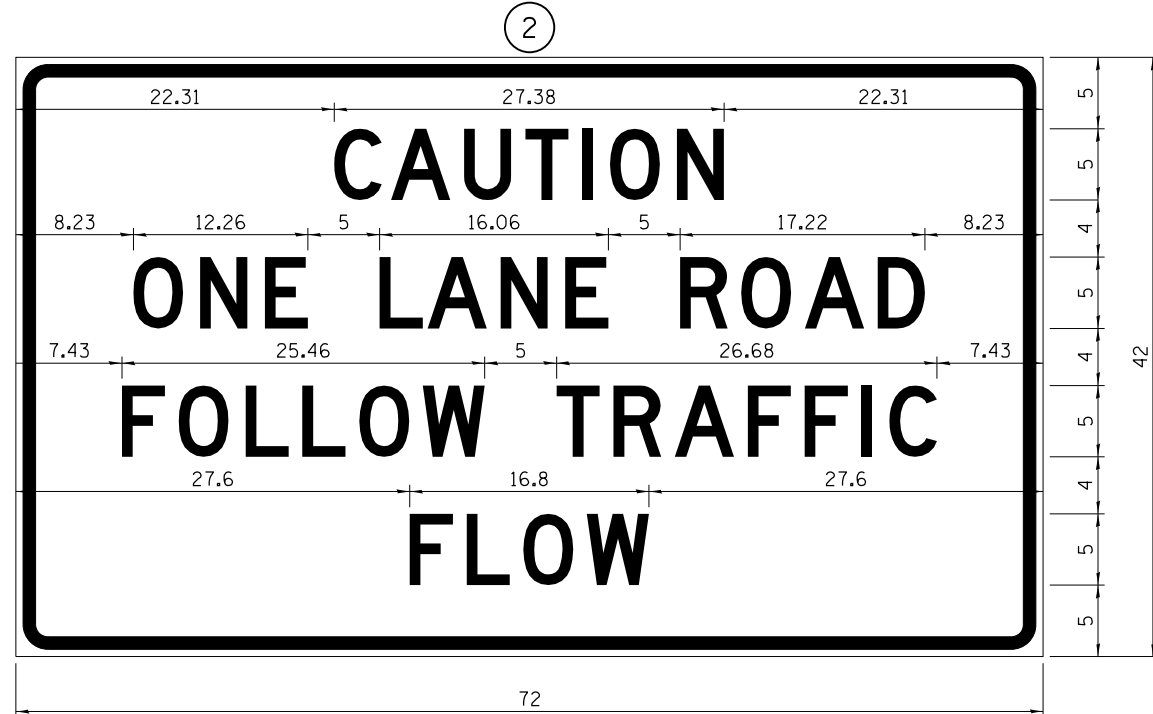
REGION 2 / DISTRICT 2 STANDARD

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

F.A.* RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	75
CONTRACT NO. 64H6L			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

② This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

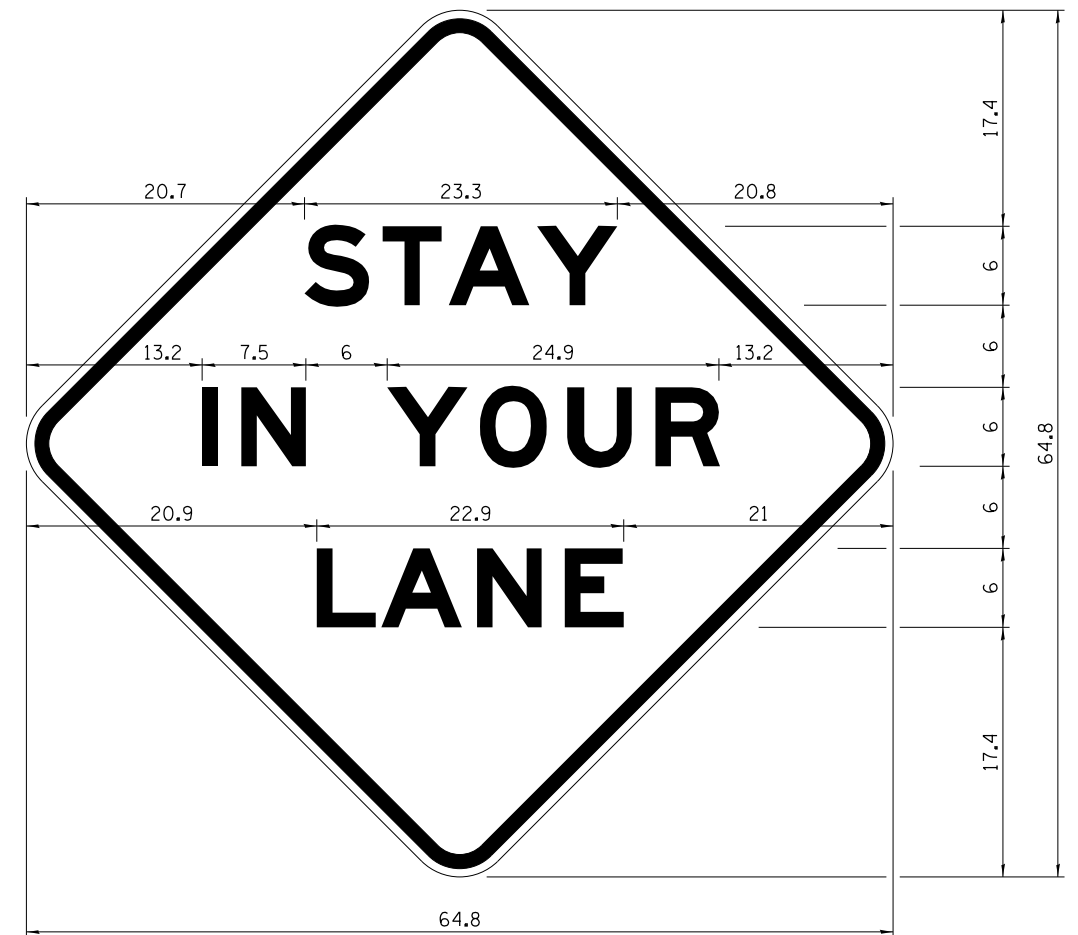
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
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Sign not to scale

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

GENERAL NOTES

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All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 3-02-16
pw\11084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 2\Projects\0203312\0203312-shd-detailed\REVISED -		CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.		DATE -	REVISED -
PLOT DATE = May-04-2017 10:35:46 AM			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

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

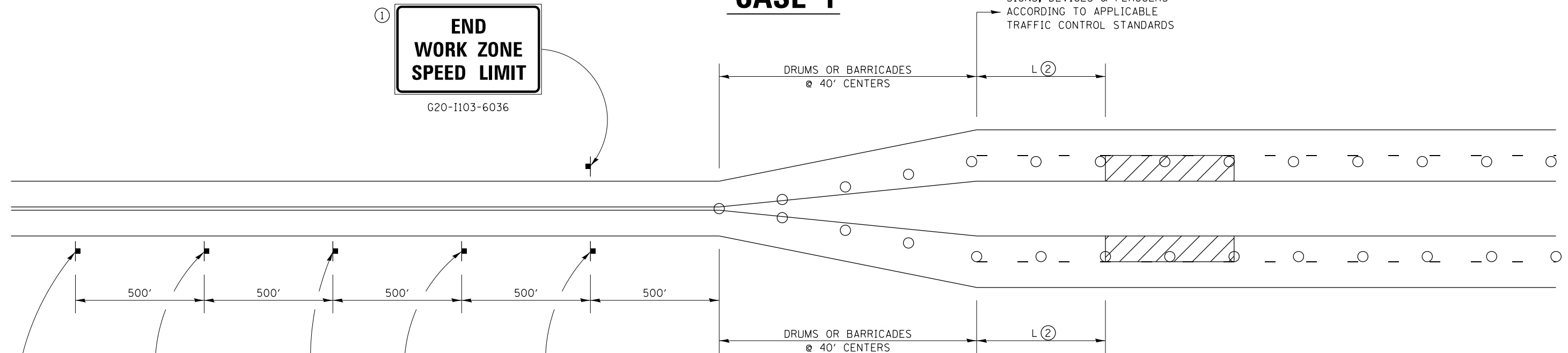
F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	77
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 64H6L	

* FAS 1042 (IL251) & FAU 5454 (IL 251)

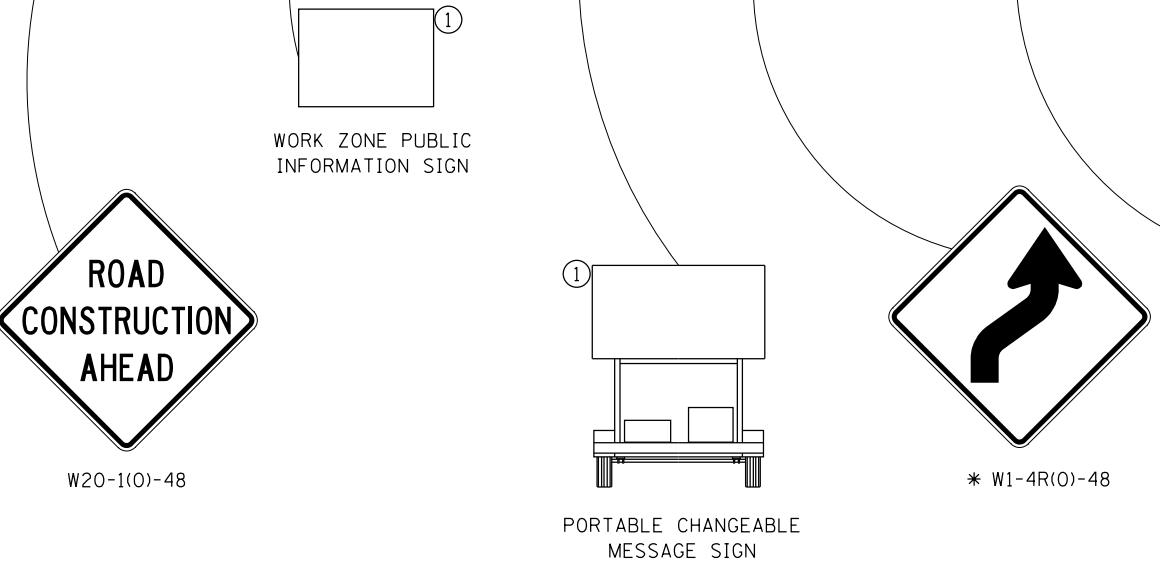
TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 1

SIGNS, DEVICES & FLAGGERS
ACCORDING TO APPLICABLE
TRAFFIC CONTROL STANDARDS



SIGNS, DEVICES & FLAGGERS
ACCORDING TO APPLICABLE
TRAFFIC CONTROL STANDARDS



①
③

WORK ZONE
W2-1115(0)-3618

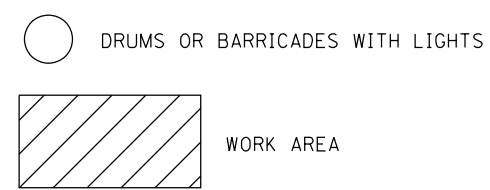
SPEED LIMIT 55
R2-1-3648

PHOTO ENFORCED
R10-1108p-3618
(only along roadways under the jurisdiction of the State.)

\$XXX FINE MINIMUM
R2-1106-3618

- GENERAL NOTES**
- THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.
1. If applicable, use if shown on applicable multilane Traffic Control and Protection Standard being used.
 2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
 3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

* DEPENDS ON GEOMETRICS OF THE TRANSITION. MAY SWITCH THE "STAY IN YOUR LANE" AND "WEAVE SIGNS"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 4-20-17
pw:\IL\084EBIDINTEG.illinois.gov\PIWID\Documents\DOT Offices\District 2\Projects\0203312-DR\Drawings\0203312-sh-t-detail.dwg		CHECKED -	REVISED - 1-05-16
		PLOT SCALE = 40.0000' / in.	REVISED - 8-27-13
		PLOT DATE = May-17-2018 08:38:33 AM	REVISED - 1-16-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

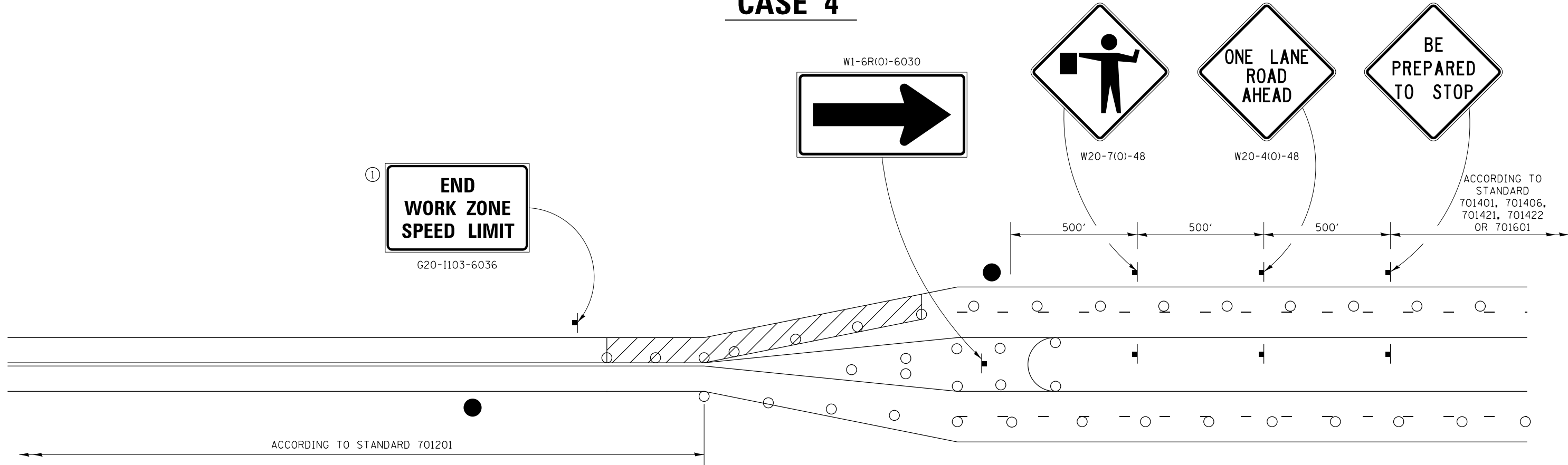
REGION 2 / DISTRICT 2 STANDARD

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

* FAS 1042 (IL251) & FAU 5454 (IL 251)		F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(106,107)RS-5	OGLE	.196	.78		
					CONTRACT NO. 64H61	
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT						

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 4



GENERAL NOTES
 THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable, Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

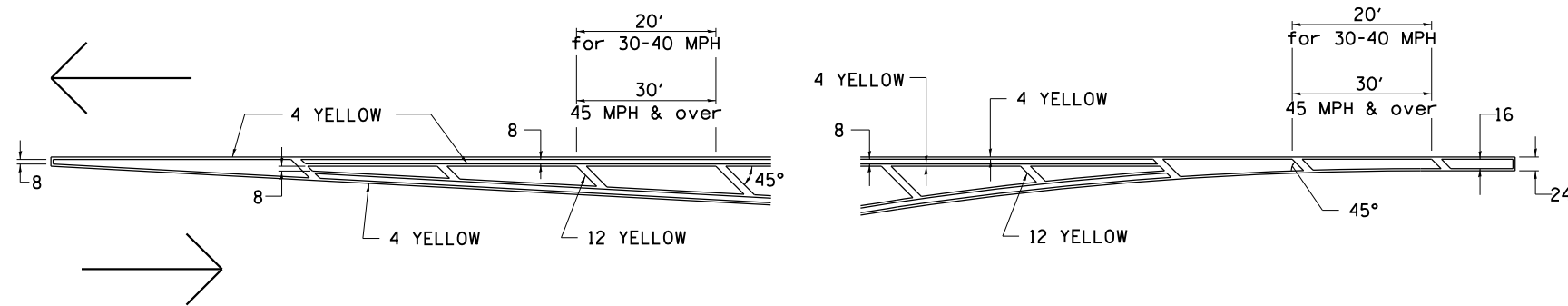
- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES WITH LIGHTS
- WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

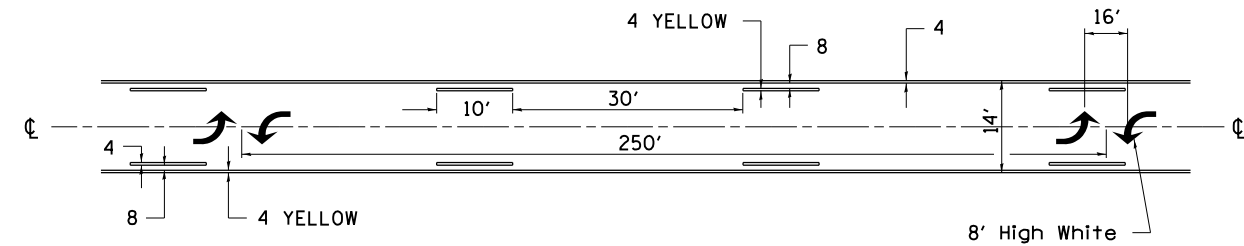
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 4-20-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0203312\Drawings\0203312-shd-detailed						DRAWN	REVISED - 1-05-16	*	(106.107)RS-5	OGLE	196	81
PLOT SCALE = 40.0000' / in.						CHECKED -	REVISED - 8-27-13	CONTRACT NO. 64H61				
PLOT DATE = May-17-2018 08:38:34 AM						DATE -	REVISED - 3-05-12	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

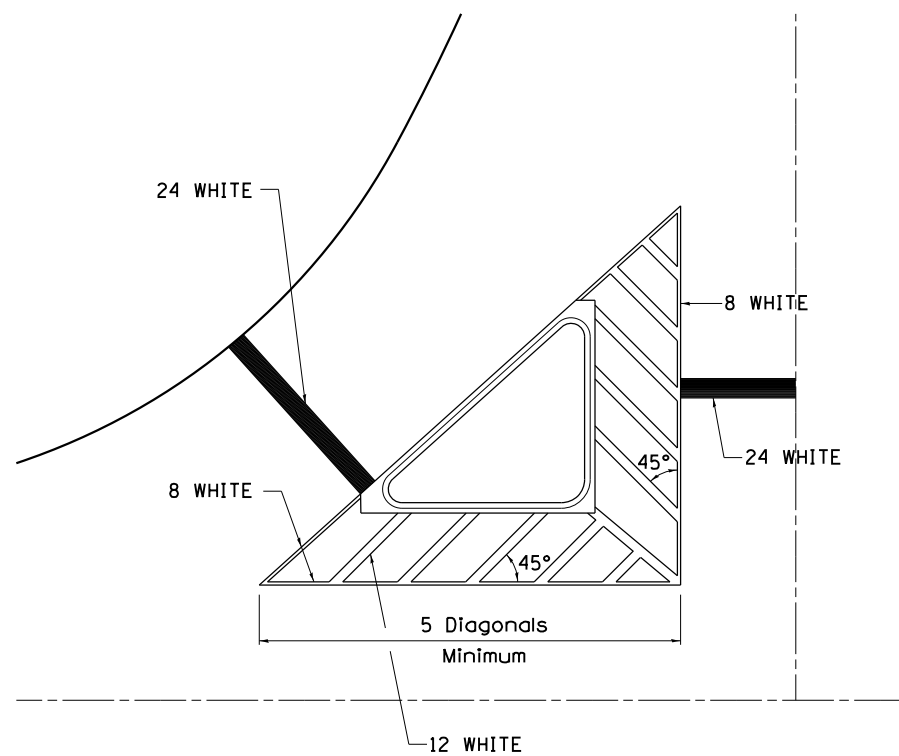


MEDIAN PAVEMENT MARKING



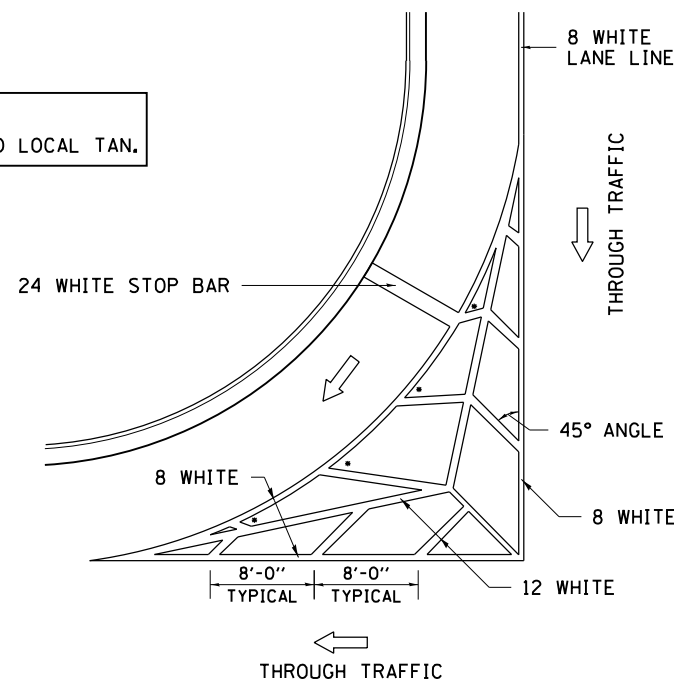
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



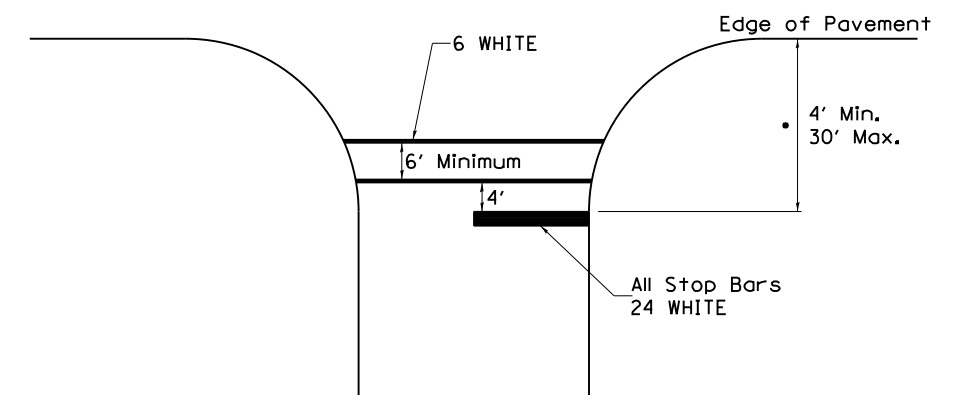
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 6-27-14
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\02083312\Drawings\02083312-shd-detailed		CHECKED -	REVISED - 3-05-12
		PLOT SCALE = 40.0000' / in.	REVISOR -
		PLOT DATE = May-04-2017 10:35:48 AM	DATE -

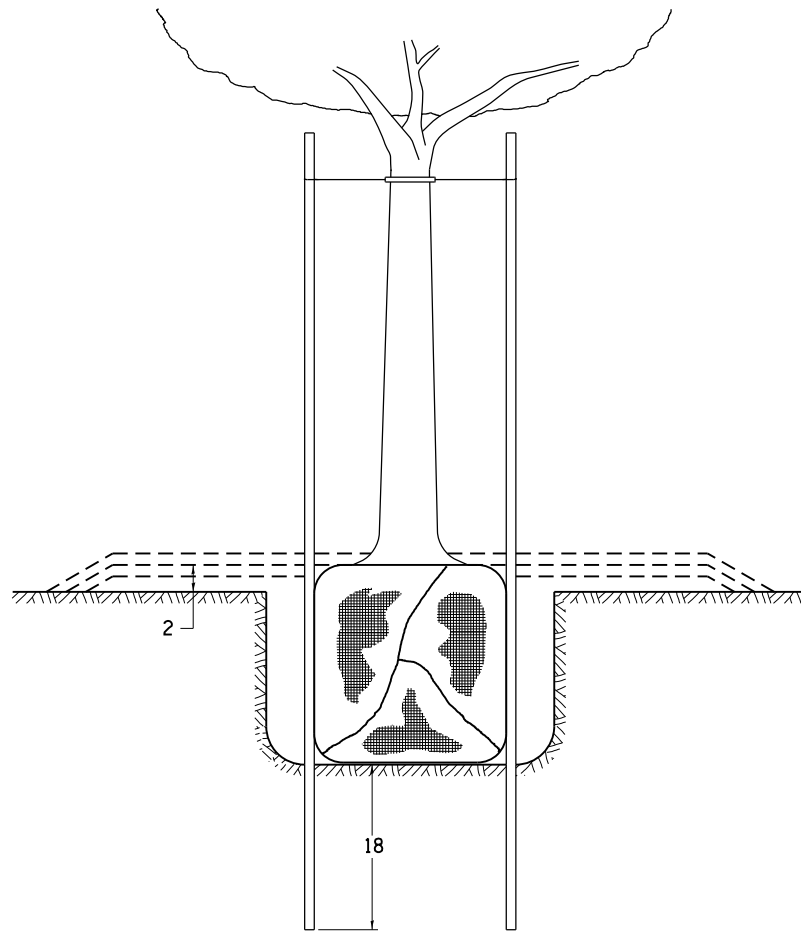
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

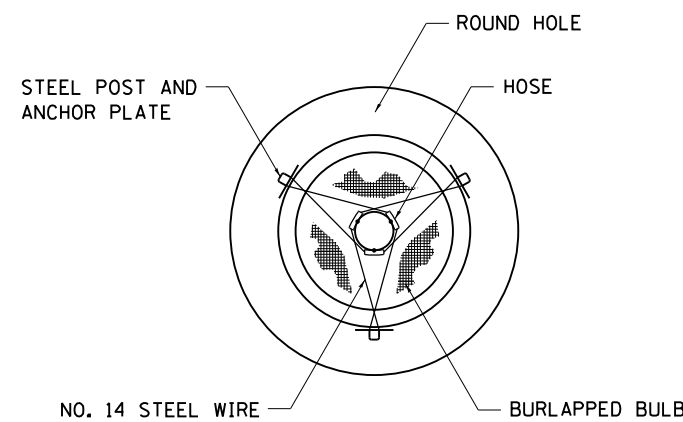
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

* FAS 1042 (IL251) & FAU 5454 (IL 251)		F.A.*	TOTAL	SHEET
RTE.*	SECTION	COUNTY	SHEETS	NO.
*	(106.107)RS-5	OGLE	196	82
FED. ROAD DIST. NO. _____ (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 64H61	

DETAILS OF PLANTING AND BRACING TREES

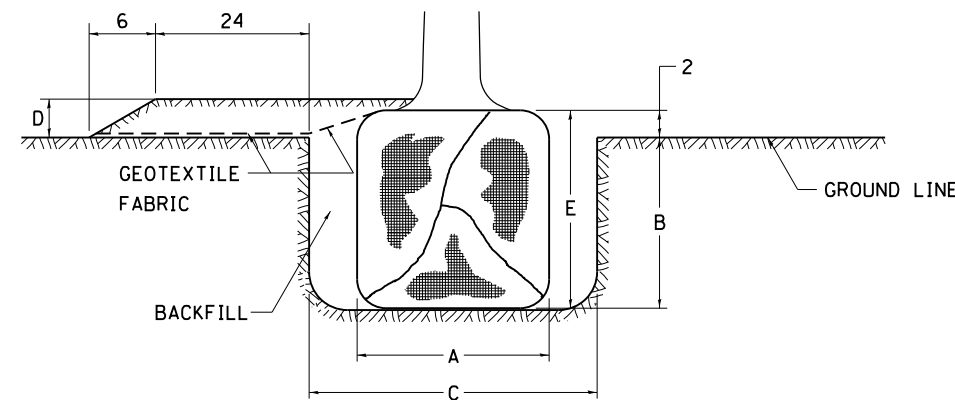


TREES SMALLER THAN 4 1/2 IN DIAMETER

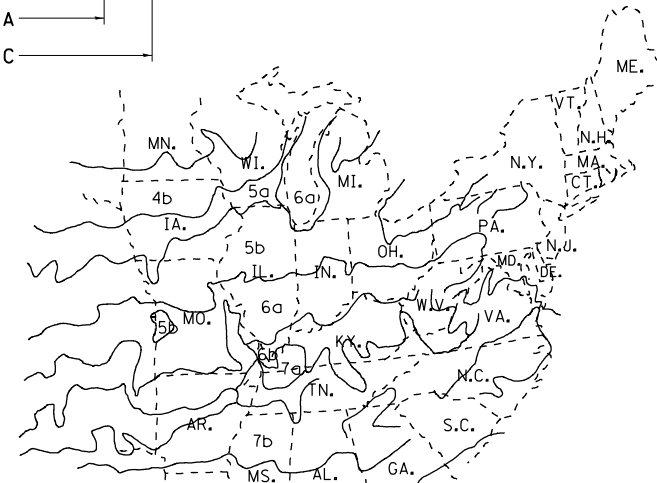
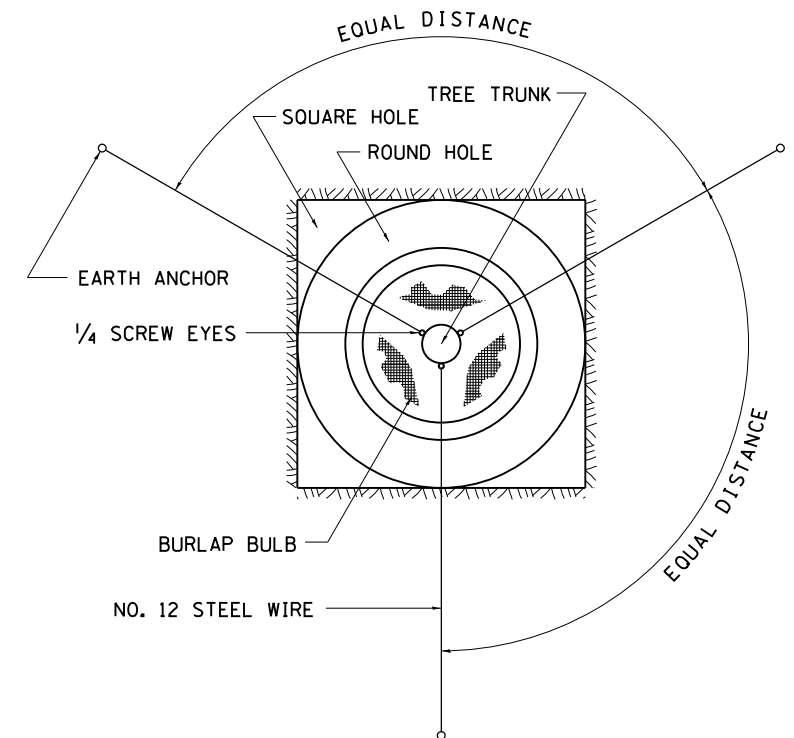
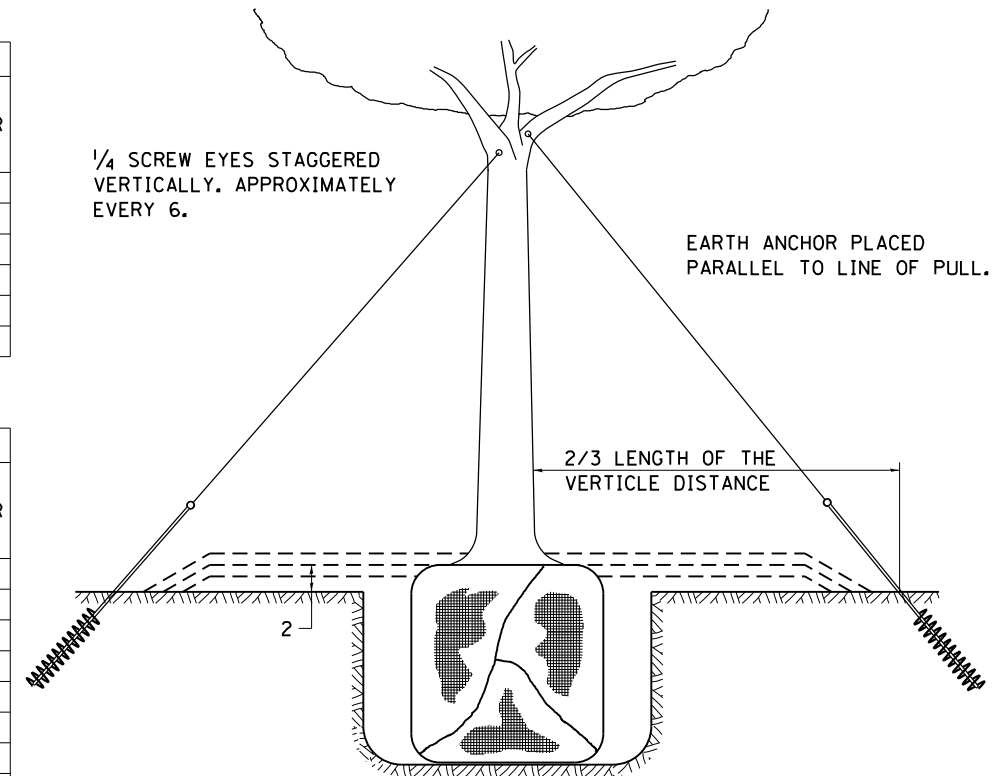


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38



TREES OVER 4 1/2 IN DIAMETER



PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

* FAS 1042 (IL251) & FAU 5454 (IL 251)

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 10-18-11
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0208\Drawings\CADsheets\0203312-shr-detail.dwg		CHECKED -	REVISED -
		DATE -	REVISED -

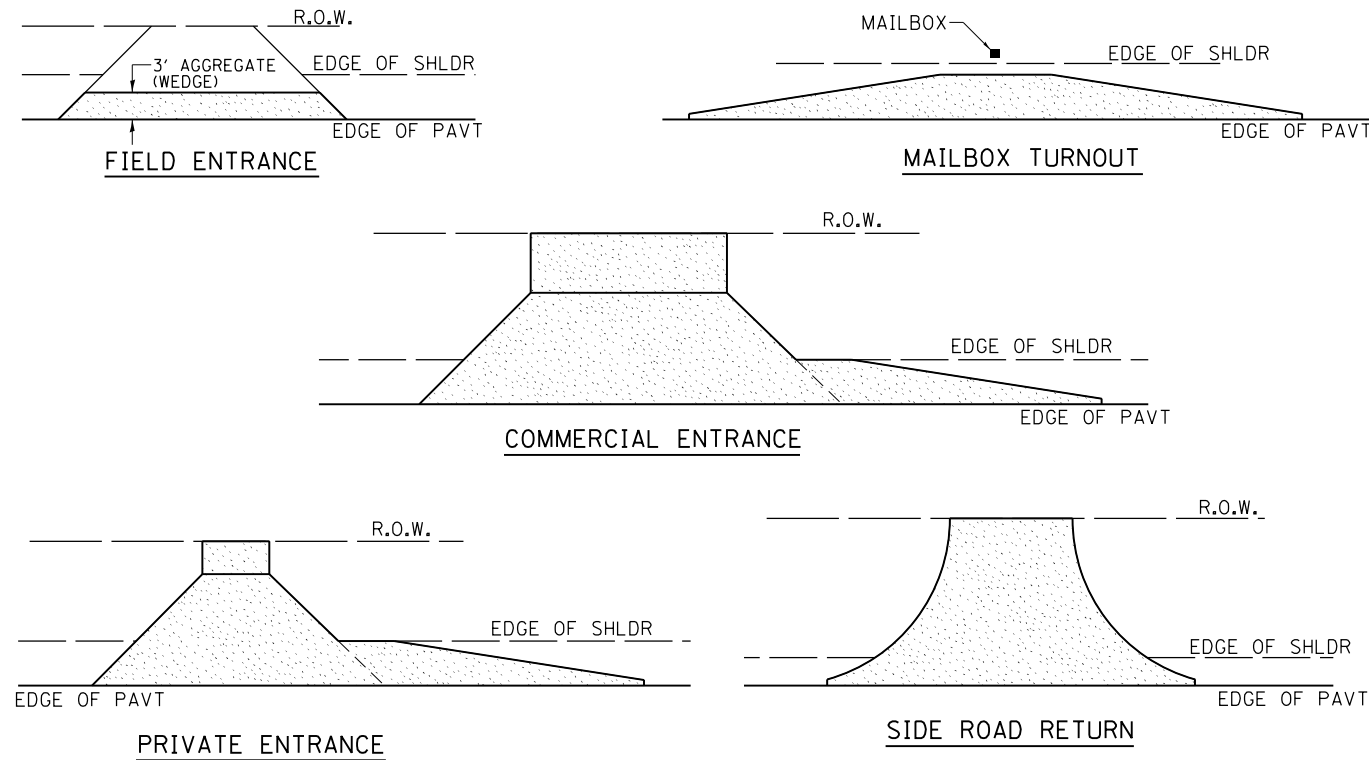
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

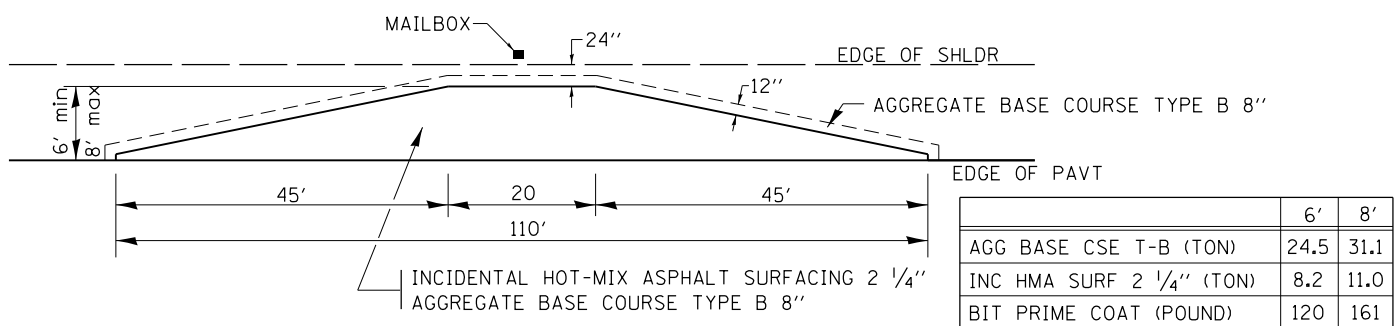
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	85
CONTRACT NO. 64H61				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS



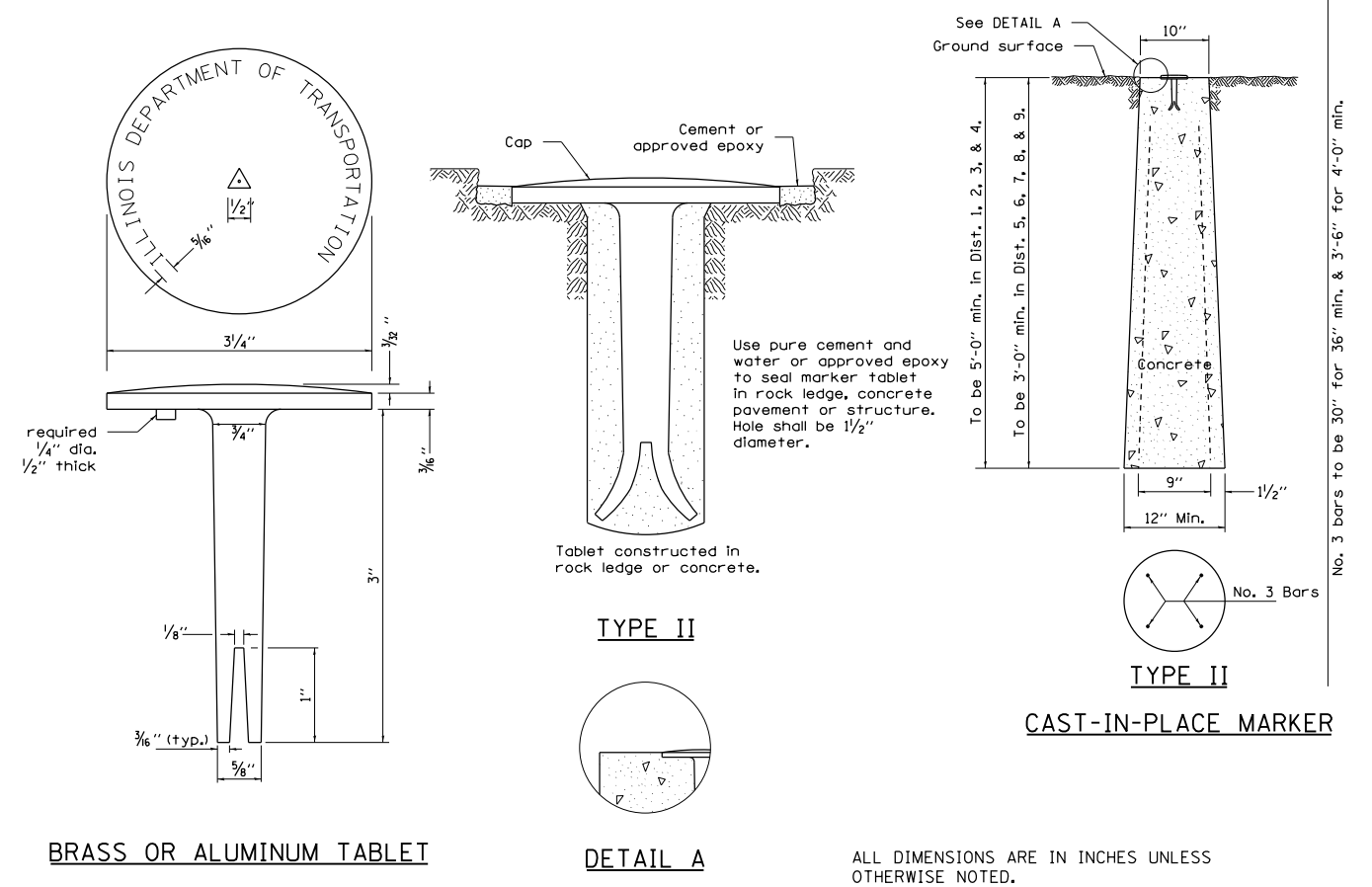
- NOTE:** EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.
- EXISTING AGG. PE's & CE's
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on existing entrance to conform to the present configuration.
- EXISTING AGG. SIDEROADS
Place 3" Incidental Hot-Mix Asphalt Surfacing on sideroad to conform to the present configuration.
- EXISTING AGG. MAILBOX TURNOUTS
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



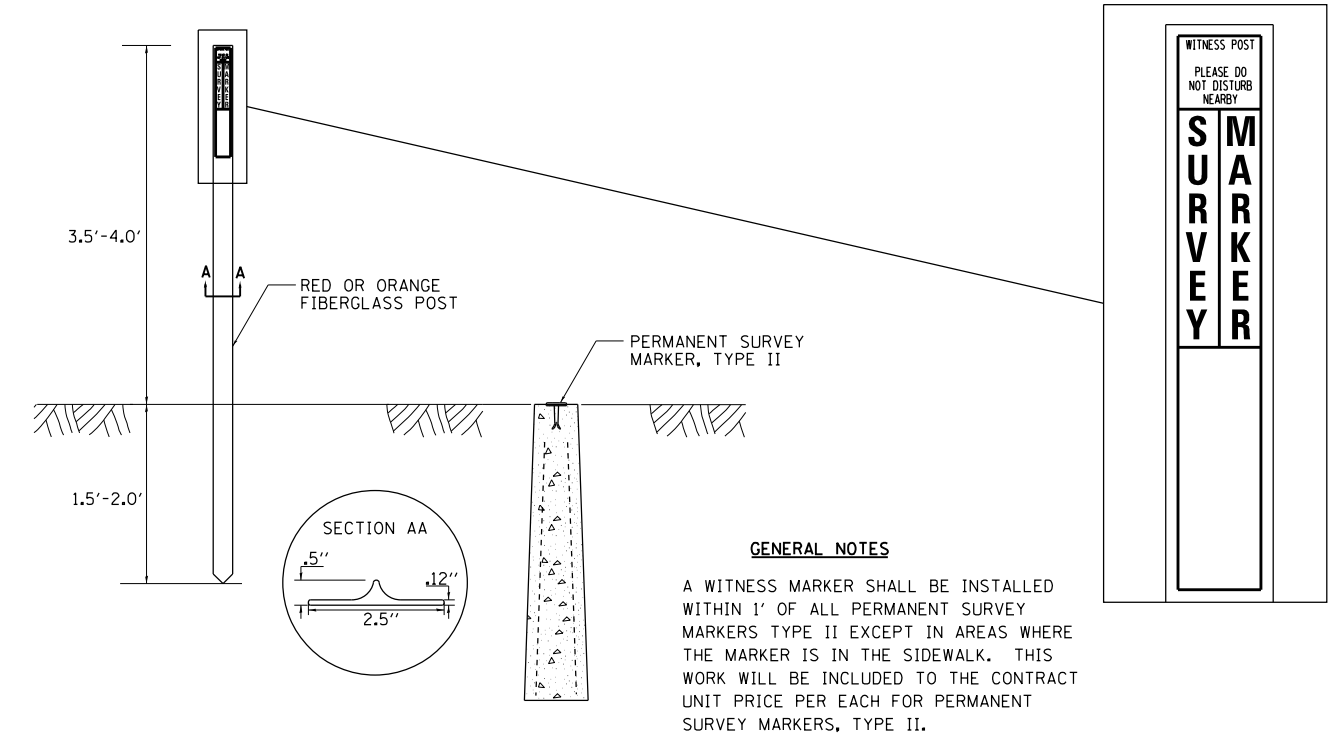
	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2 1/4" (TON)	8.2	11.0
BIT PRIME COAT (POUND)	120	161

REVISOR - 1-05-16
REVISOR - 7-21-15
REVISOR - 6-27-14
REVISOR - 10-21-08

PERMANENT SURVEY MARKERS, TYPE II



WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

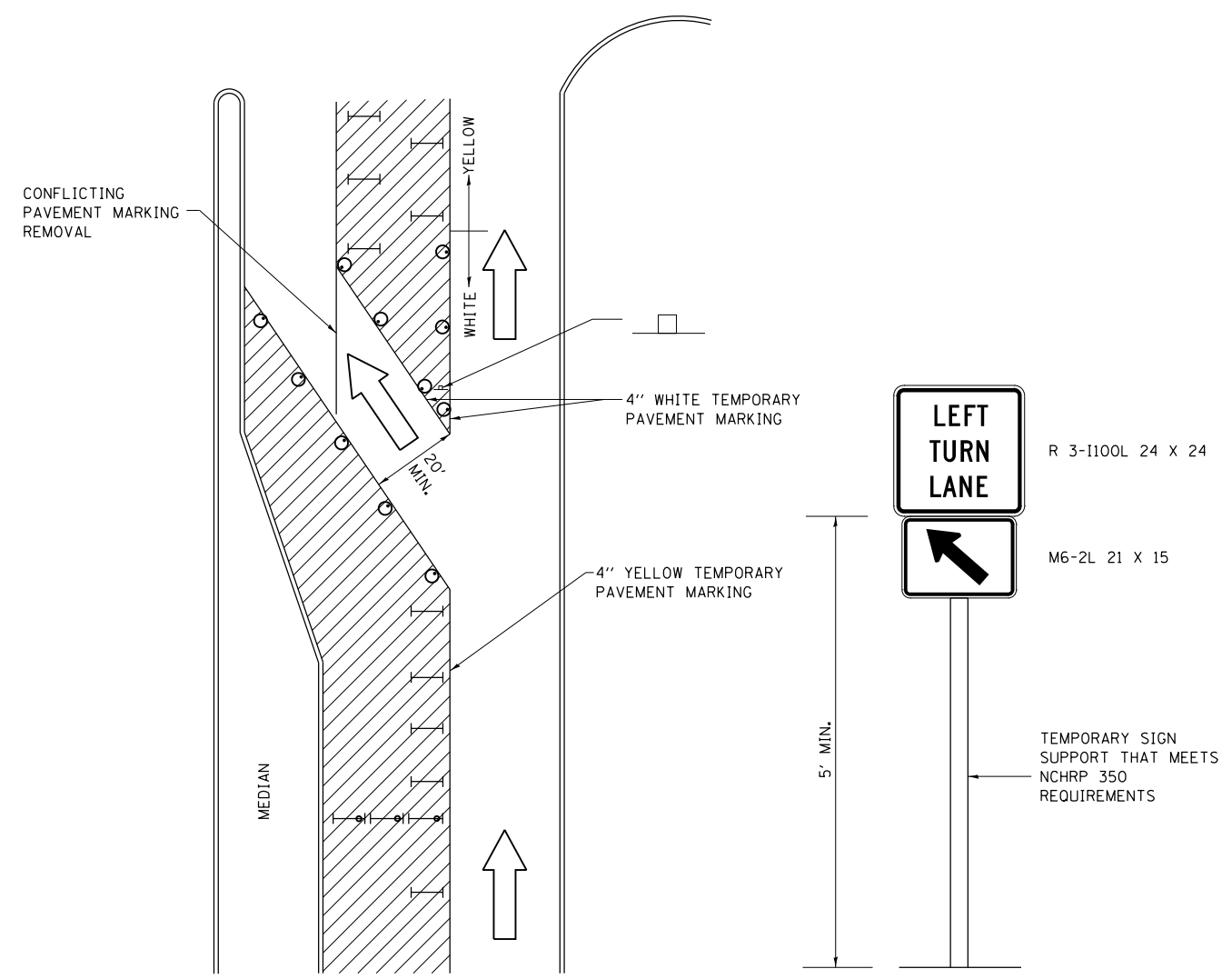


GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

REVISOR - 7-14	REGION 2 / DISTRICT 2 STANDARD	F.A. #	* FAS 1042 (IL251) & FAU 5454 (IL 251)		TOTAL SHEETS	SHEET NO.
REVISOR - 14-11		SECTION	COUNTY	196	86	
REVISOR -		(106.107)RS-5	OGLE	CONTRACT NO. 64H61		
REVISOR -		SCALE: 1/8" = 1'-0"	SHEET NO. OF SHEETS		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

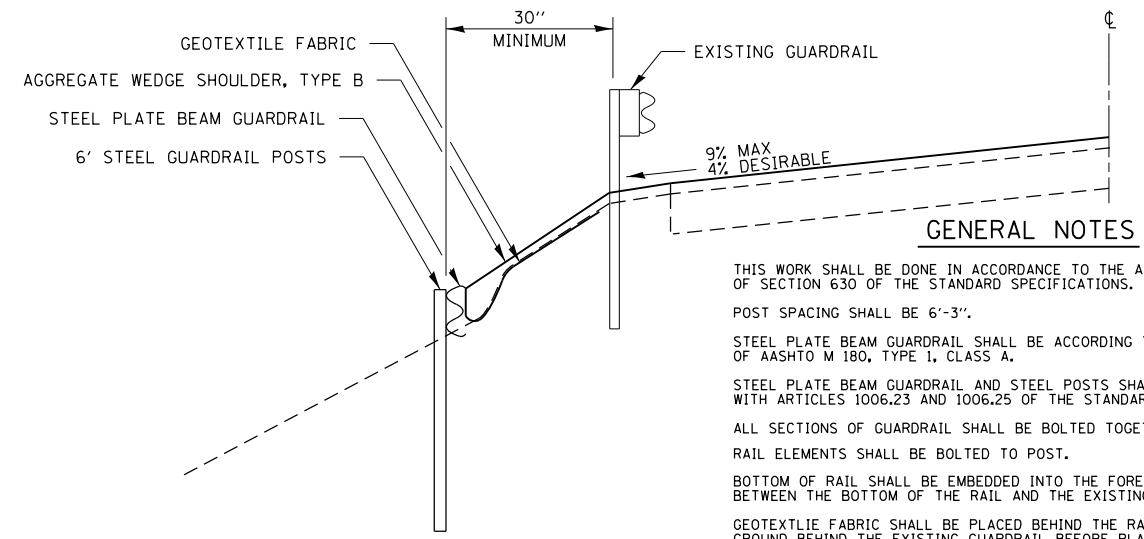
- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

REVISED - 10-14-11

GENERAL NOTES

- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.
- STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.
- TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

PERIMETER EROSION BARRIER, SPECIAL



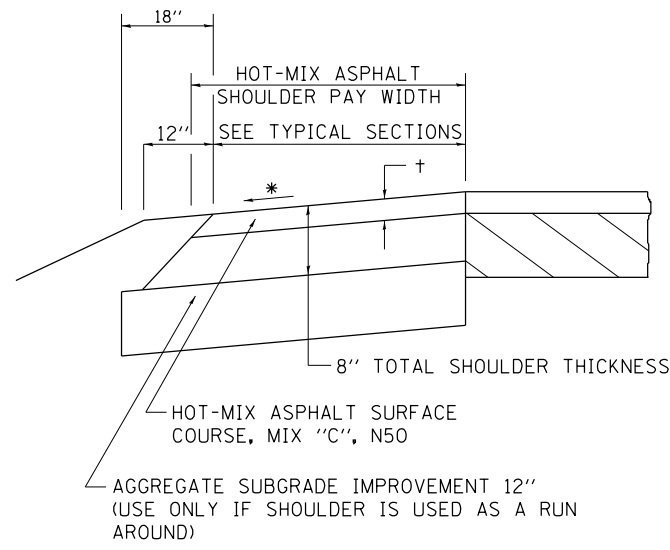
GENERAL NOTES

- THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 630 OF THE STANDARD SPECIFICATIONS.
- POST SPACING SHALL BE 6'-3".
- STEEL PLATE BEAM GUARDRAIL SHALL BE ACCORDING TO THE REQUIREMENTS OF AASHTO M 180, TYPE 1, CLASS A.
- STEEL PLATE BEAM GUARDRAIL AND STEEL POSTS SHALL BE IN ACCORDANCE WITH ARTICLES 1006.23 AND 1006.25 OF THE STANDARD SPECIFICATIONS.
- ALL SECTIONS OF GUARDRAIL SHALL BE BOLTED TOGETHER.
- RAIL ELEMENTS SHALL BE BOLTED TO POST.
- BOTTOM OF RAIL SHALL BE EMBEDDED INTO THE FORESLOPE UNTIL NO GAP EXISTS BETWEEN THE BOTTOM OF THE RAIL AND THE EXISTING GROUND.
- GEOTEXTILE FABRIC SHALL BE PLACED BEHIND THE RAIL ELEMENT AND ON THE GROUND BEHIND THE EXISTING GUARDRAIL BEFORE PLACING THE AGGREGATE WEDGE SHOULDERS. THE INSTALLATION AND MATERIAL FOR GEOTEXTILE FABRIC SHALL BE ACCORDING TO SECTION 210 OF THE STANDARD SPECIFICATIONS.
- AT LOCATIONS WHERE THERE ARE GAPS UNDER THE RAIL ANOTHER RAIL ELEMENT SHALL BE PLACED BELOW THE FIRST RAIL AND BOLTED TO IT. THE ADDITIONAL RAIL ELEMENTS WILL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT FOR STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL).
- STEEL PLATE BEAM GUARDRAIL, 6" STEEL GUARDRAIL POSTS, AND GEOTEXTILE FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PERIMETER EROSION BARRIER, SPECIAL.
- AGGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE WEDGE SHOULDER, TYPE B.

REVISED - 1-05-16
REVISED - 9-16-11

PERIMETER EROSION BARRIER, SPECIAL 8.4

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

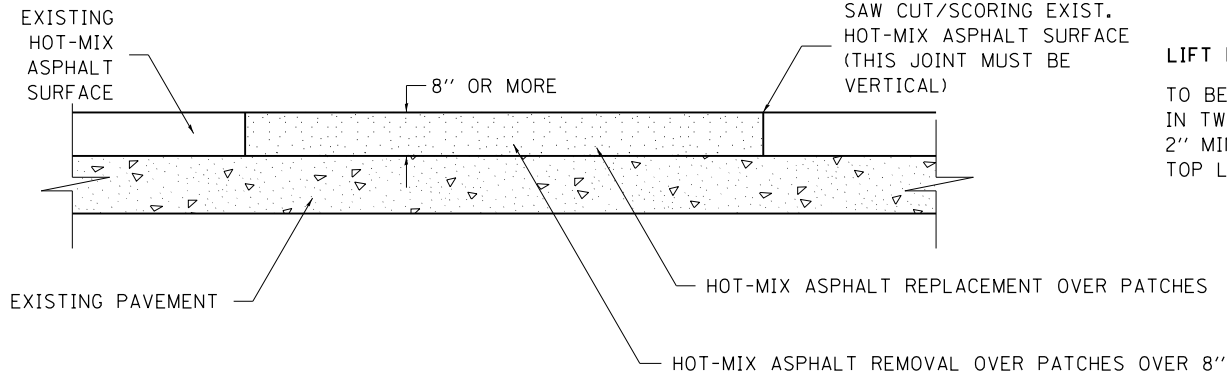
- THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.
- THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.
- USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.
- REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.
- *4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

† = SEE TYPICAL SECTIONS FOR THICKNESS

REVISED - 1-05-16	REGION 2 / DISTRICT 2 STANDARD			F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 3-13-13				*	(106.107)RS-5	OGLE	196	87
REVISED -				CONTRACT NO. 64H61				
REVISED -	SCALE: 1/2" = 1'-0"			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = May-04-2017 10:35:50 AM

PAVEMENT PATCHING DETAIL



LIFT PLACEMENT:
TO BE PLACED
IN TWO LIFTS WITH
2" MIN. COMPACTED
TOP LIFT.

SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. REPLACE HOT-MIX ASPHALT SURFACE.

GENERAL NOTES:

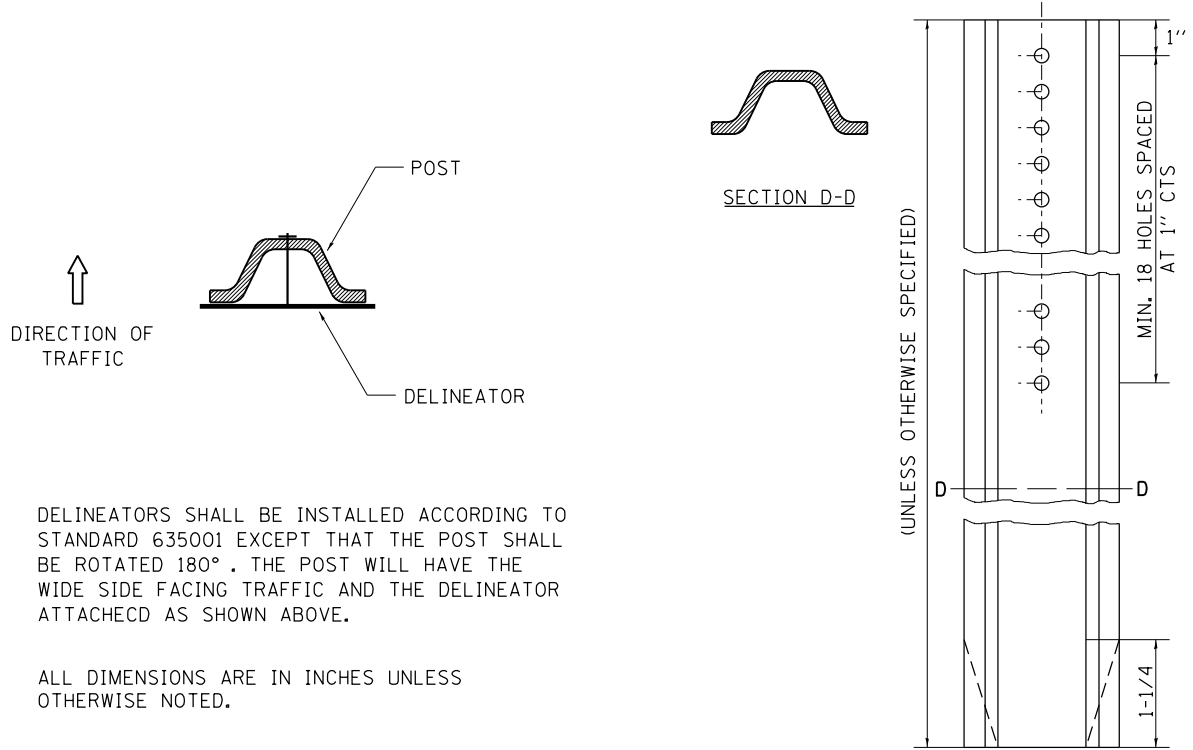
1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

PAVEMENT PATCHING DETAIL 33.4

DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

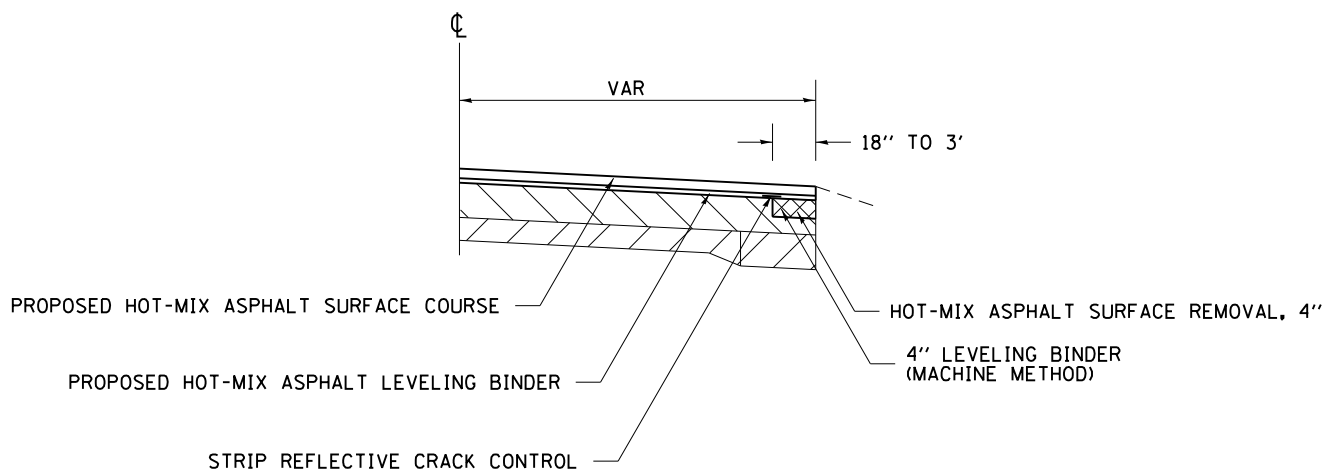
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

*FAS 1042 (IL251) & FAU 5454 (IL 251)

REVISED - 10-03-11	REGION 2 / DISTRICT 2 STANDARD		F.A.*	SECTION	COUNTY	TOTAL	SHEET
REVISED -			* (106.107)RS-5	OGLE	.196	.88	
REVISED -			CONTRACT NO. 64H61				
REVISED -			SCALE: 1/4" = 1'-0"		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

DELINEATOR AND POST ORIENTATION 37.4

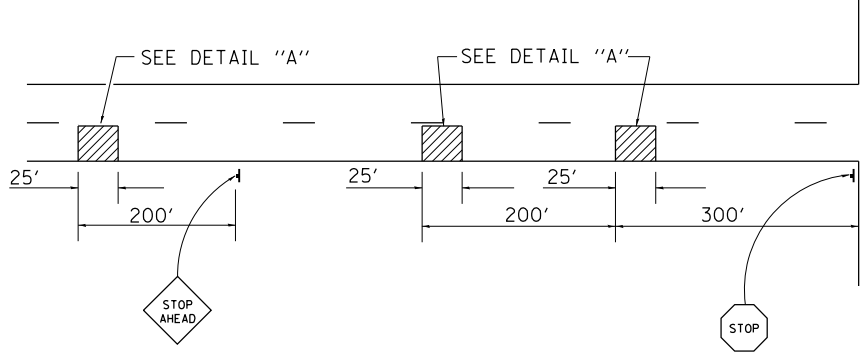
EDGE OF PAVEMENT REPAIR



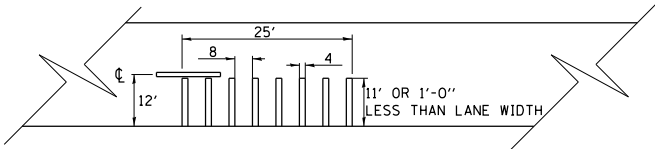
REVISED - 4-04-11

EDGE OF PAVEMENT REPAIR 38.4

RUMBLE RESURFACING



GROOVED



DETAIL "A"

NOTES

THE GROOVES SHALL BE CONSTRUCTED WITH A MILLING MACHINE CAPABLE OF COLD MILLING THE EXISTING SURFACE IN THE PATTERN SHOWN.

RUMBLE RESURFACING SHALL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS. THE LENGTH SHALL BE THE DISTANCE FROM OUTSIDE EDGE TO OUTSIDE EDGE OF THE GROOVE WHICH WILL BE APPROXIMATELY 25'. THE WIDTH SHALL BE 1' LESS THAN LANE WIDTH.

RUMBLE STRIPS SHALL BE CONSTRUCTED AS SHOWN AND PAID FOR PER SQUARE YARD AS RUMBLE RESURFACING.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. * FAS 1042 (IL251) & FAU 5454 (IL 251)

REVISED - 10-05-11	REGION 2 / DISTRICT 2 STANDARD		F.A.*	SECTION	COUNTY	TOTAL	SHEET
REVISED -			RTÉ.	(106.107)RS-5	OGLE	.196	.89
REVISED -			CONTRACT NO. 64H61				
REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

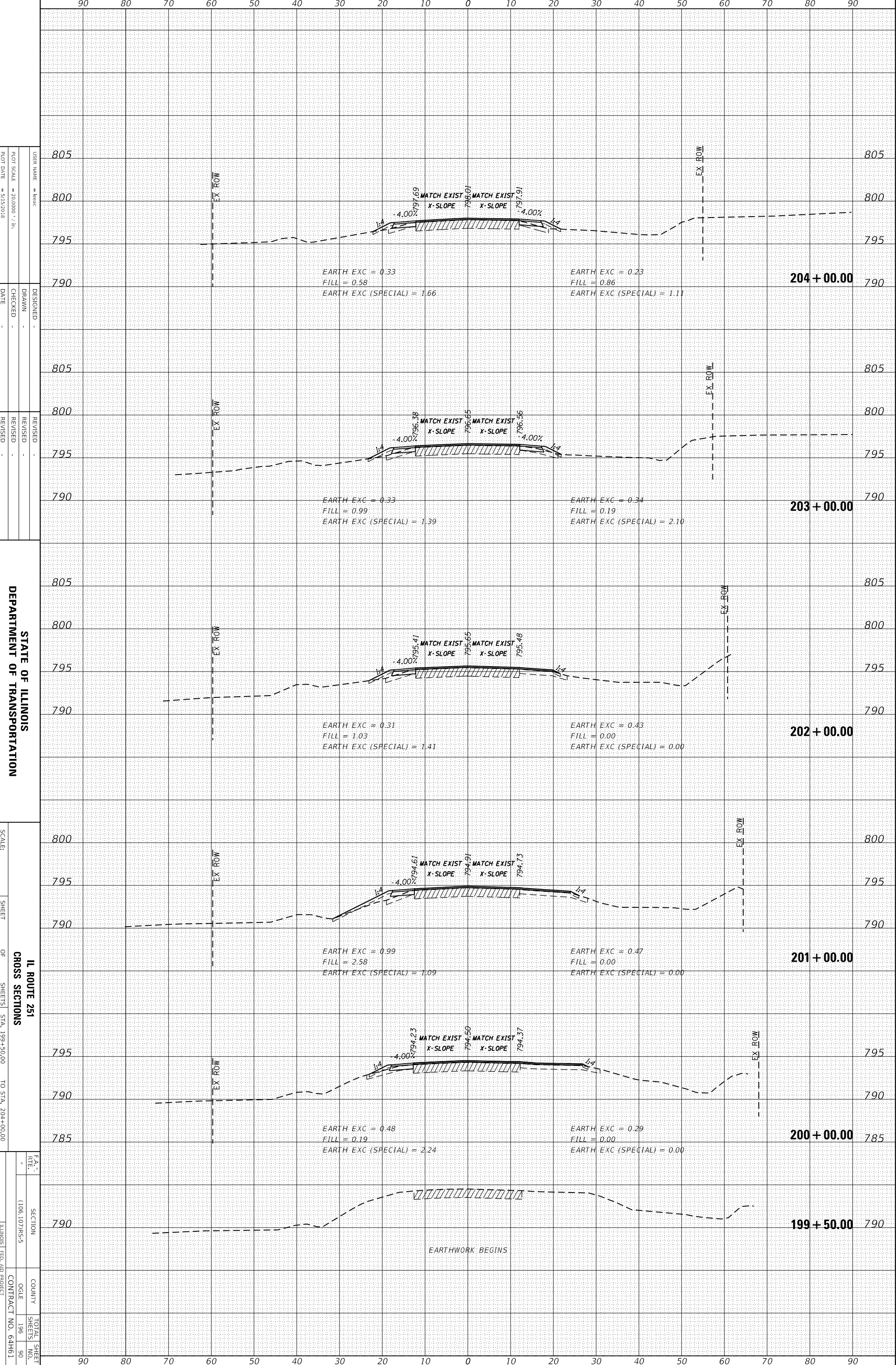
SCALE: 1/8" = 1'-0" SHEET NO. OF SHEETS STA. TO STA.

PLOT DATE = May-15-2018 01:48:54 PM

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

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

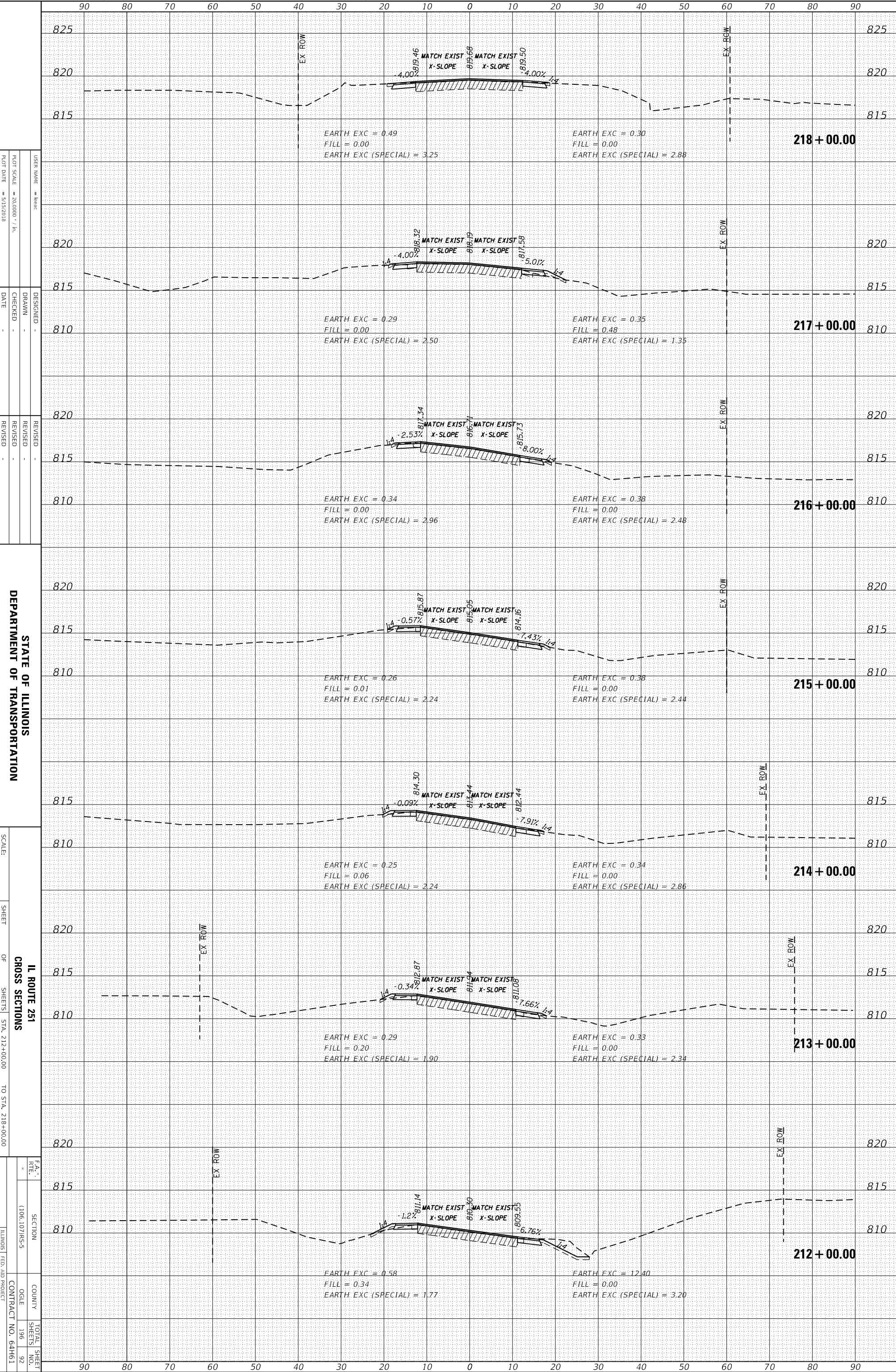
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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USER NAME = lebac
 PLOT SCALE = 20.0000' = 1" = 1/2000'
 PLOT DATE = 5/13/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:
 SHEET

IL ROUTE 251
 CROSS SECTIONS
 STA. 212+00.00 TO STA. 218+00.00

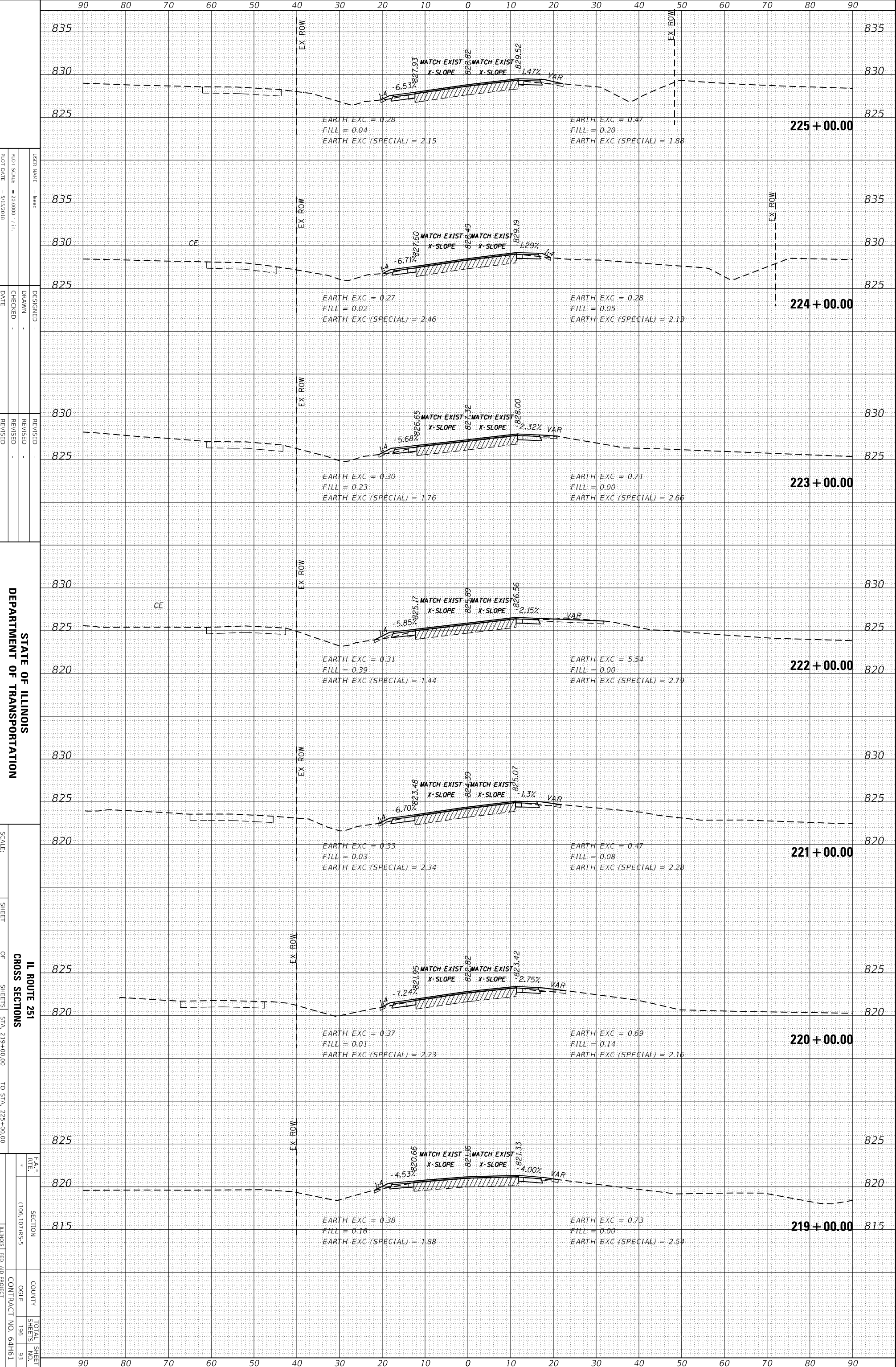
SECTION
 COUNTY
 CONTRACT NO. 64H61

FA 1042(ILL 251) & FAU 5454(ILL 251)
 ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET

IL ROUTE 251
 CROSS SECTIONS

OF

SHEETS STA. 219+00.00 TO STA. 225+00.00

FAU 1042(ILL 251) & FAU 5454(ILL 251)

SECTION

COUNTY

CONTRACT NO. 64H61

OGLE

SHEETS

NO. 93

FAU 1042(ILL 251)

SECTION

COUNTY

CONTRACT NO. 64H61

OGLE

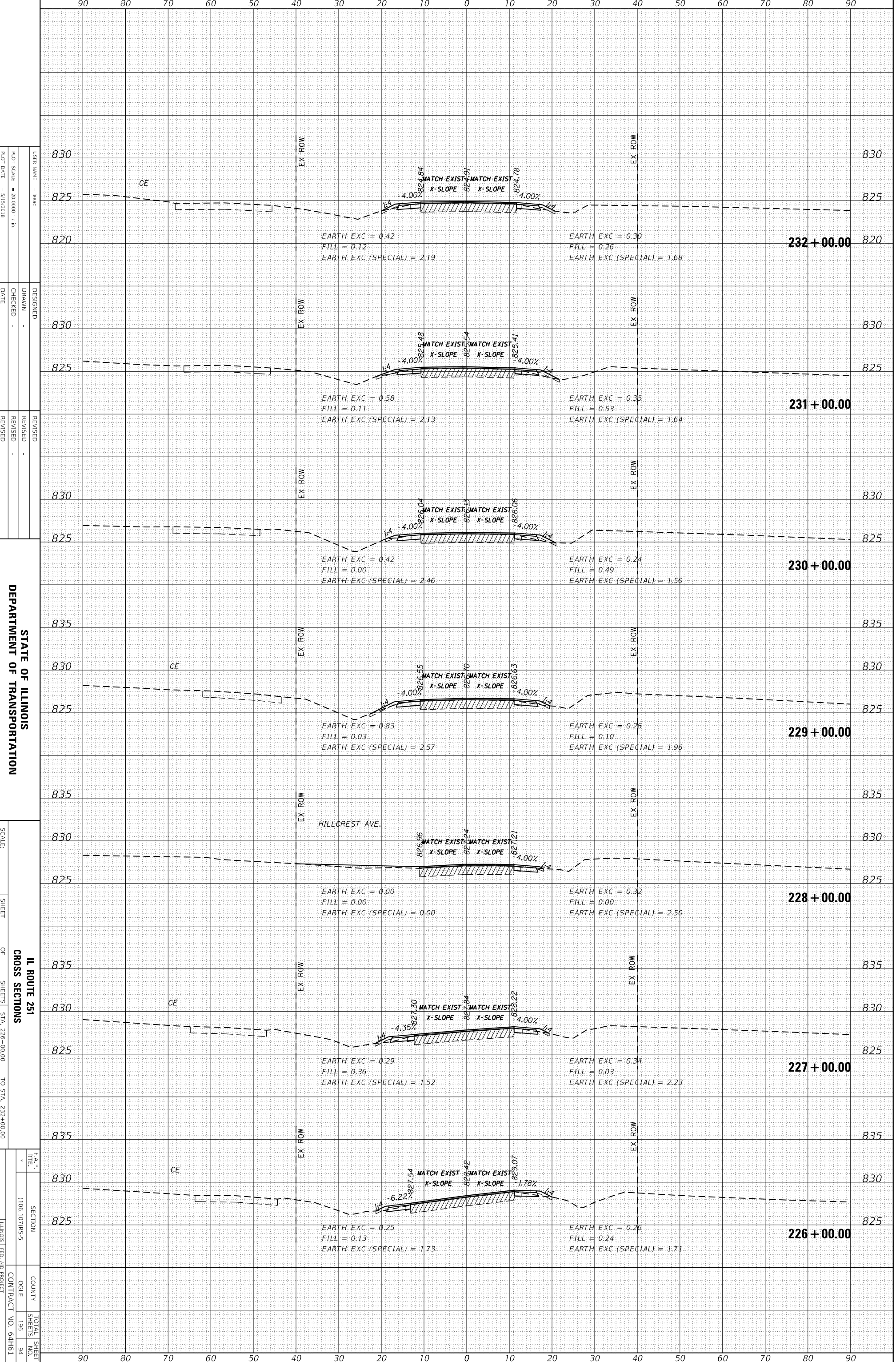
SHEETS

NO. 93

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

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

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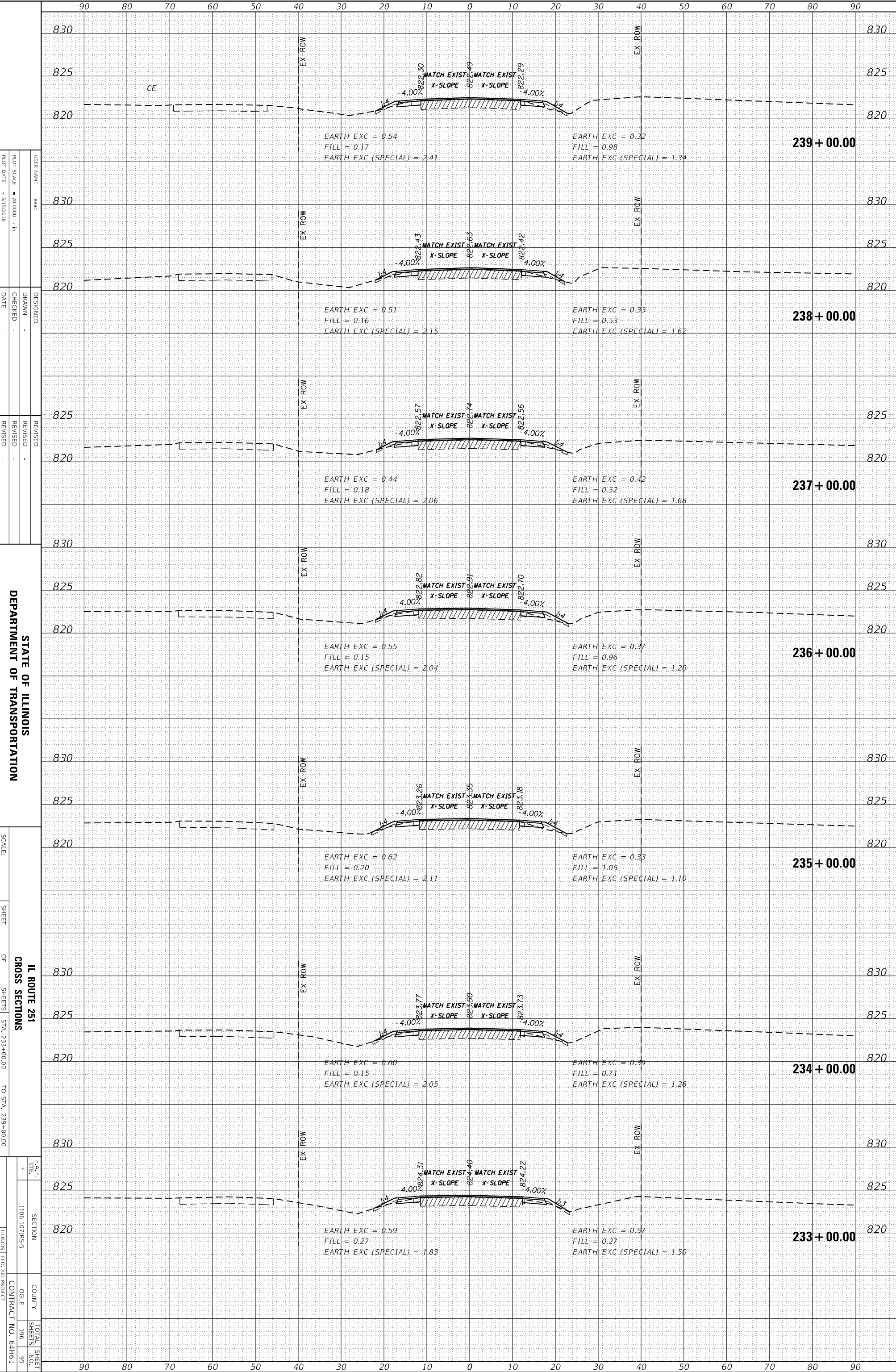
FA5 1042(ILL 251) & FAU 5454(ILL 251)
 ILLINOIS FED. AID PROJECT

SECTION	1006.107/MS-5
COUNTY	OGLE
CONTRACT NO.	64H61
TOTAL SHEET	196
SHEETS NO.	94

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 233+00.00 TO STA. 239+00.00

IL ROUTE 251
 CROSS SECTIONS

SECTION 1006.107/MS-5

COUNTY OGLE

TOTAL SHEET SHEETS NO. 196 95

CONTRACT NO. 64H61

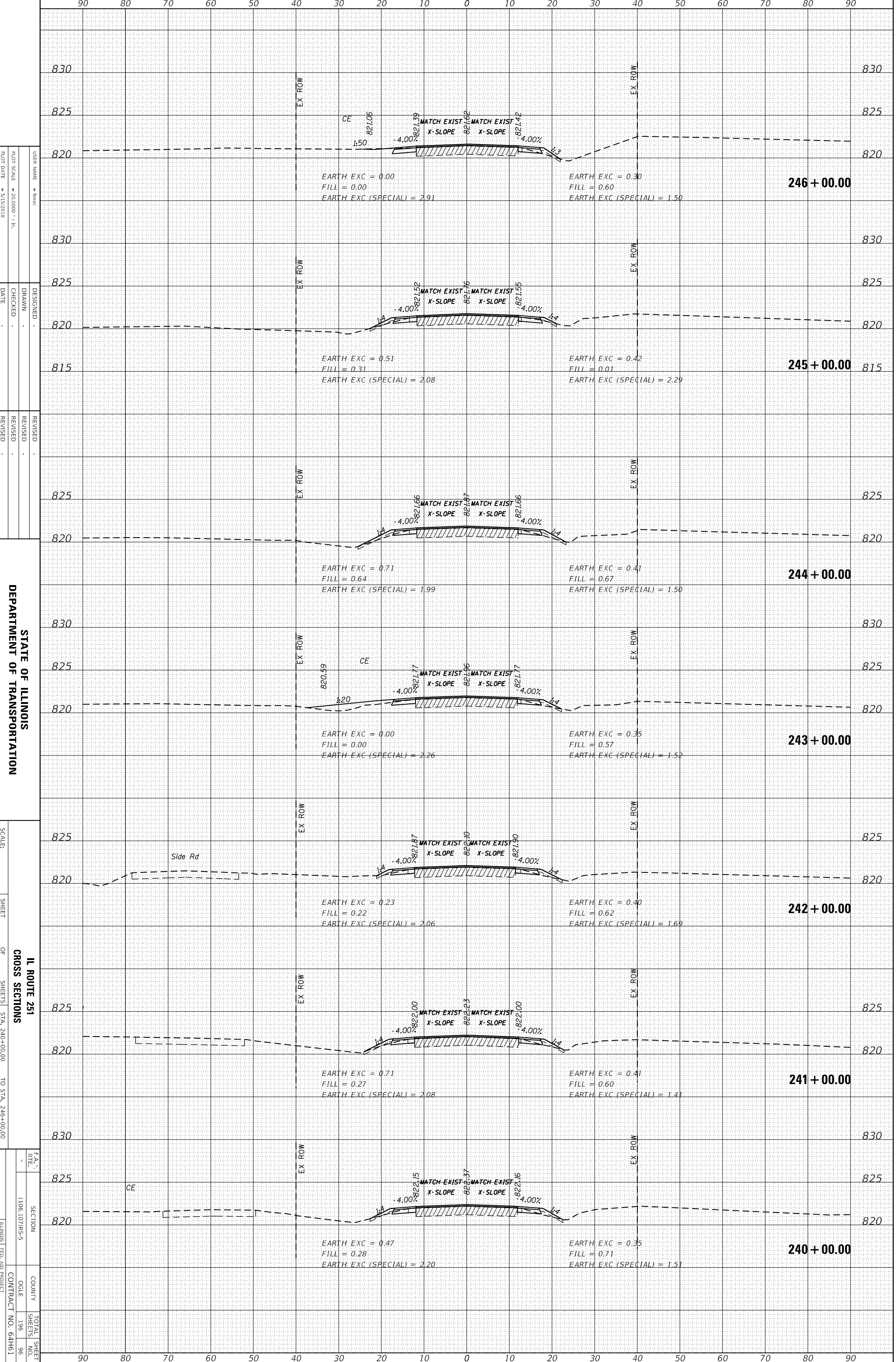
ILLINOIS FED. AID PROJECT

FA5 1042(ILL 251) & FAU 5454(ILL 251)

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

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

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 240+00.00 TO STA. 246+00.00

IL ROUTE 251
 CROSS SECTIONS
 SECTION 1006.107/MS-5
 COUNTY OGLE
 CONTRACT NO. 64H61

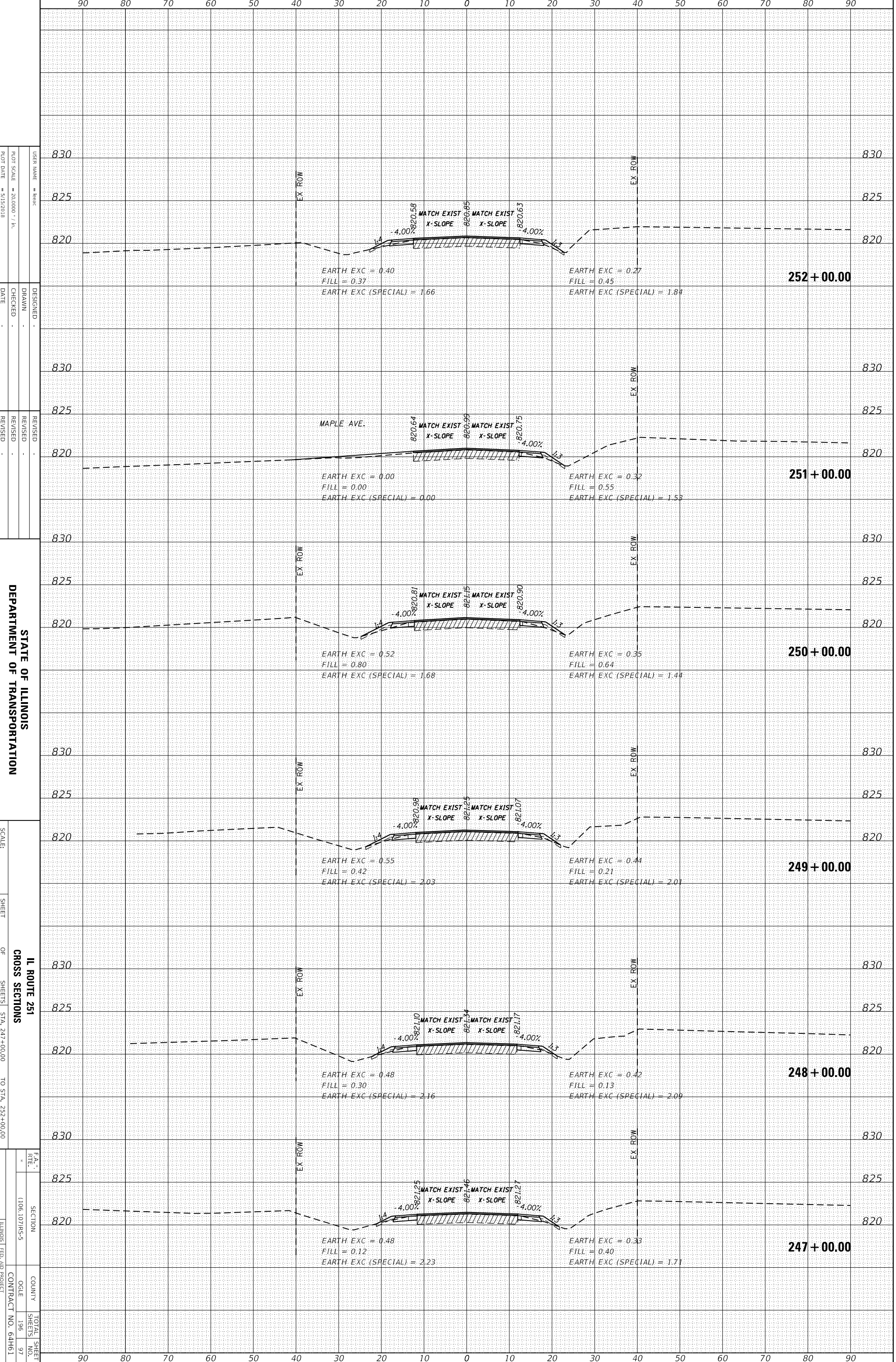
FAS 1042(ILL 251) & FAU 5454(ILL 251)
 ILLINOIS FED. AID PROJECT

TOTAL SHEET SHEETS NO. 196 96

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

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

MODEL: Default
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET

OF

SHEETS

STA. 247+00.00

TO STA. 252+00.00

IL ROUTE 251

CROSS SECTIONS

SECTION

COUNTY

CONTRACT NO. 64H61

TOTAL SHEET

SHEETS 196

NO. 97

FAA RTE. 1006.107/MS-5

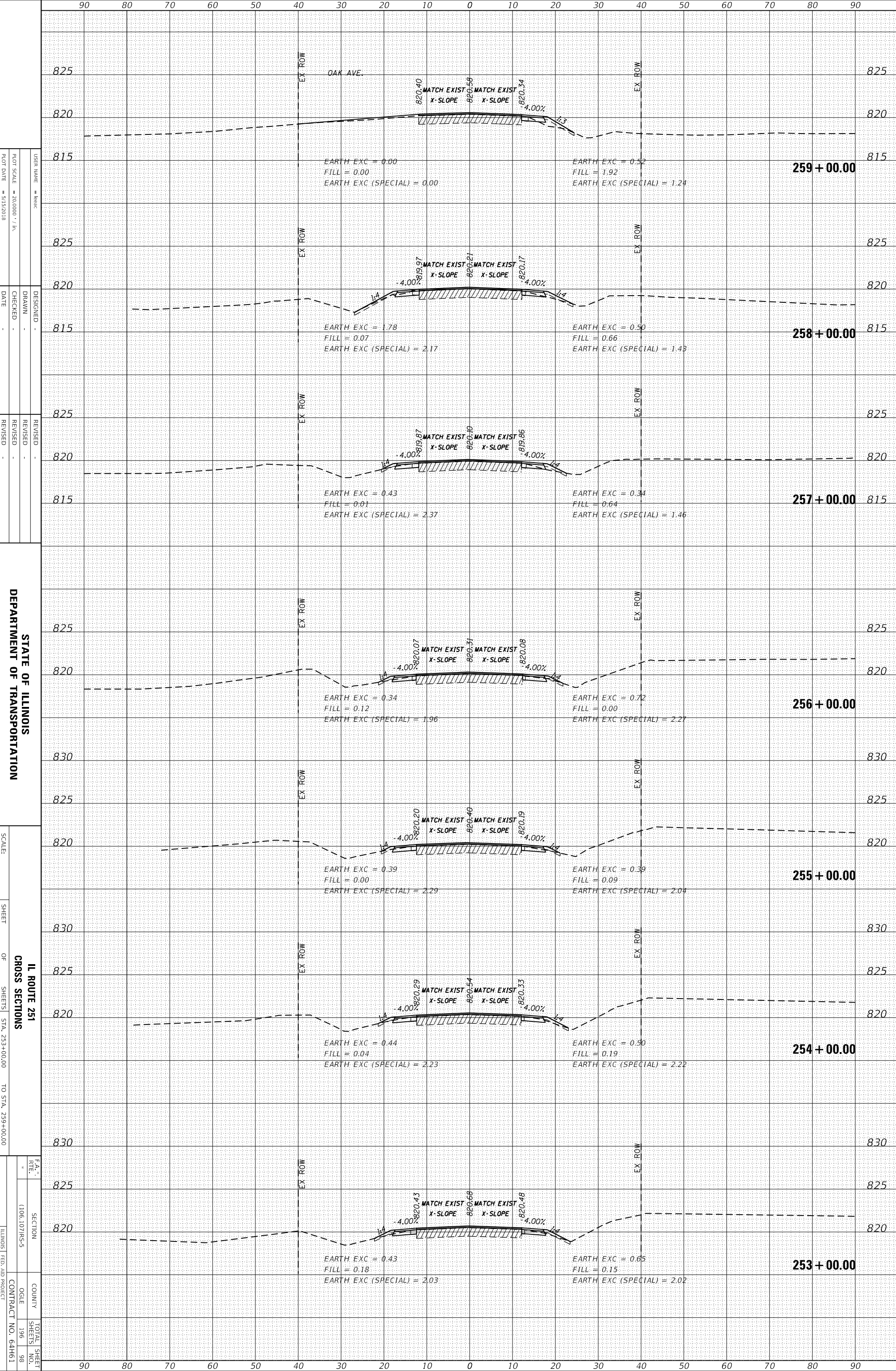
ILLINOIS FED. AID PROJECT

FA5 1042(ILL 251) & FAU 5454(ILL 251)

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

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

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 251
 CROSS SECTIONS

SCALE: [Value]
 SHEET [Value] OF [Value]
 SHEETS [Value]
 STA. 253+00.00 TO STA. 259+00.00

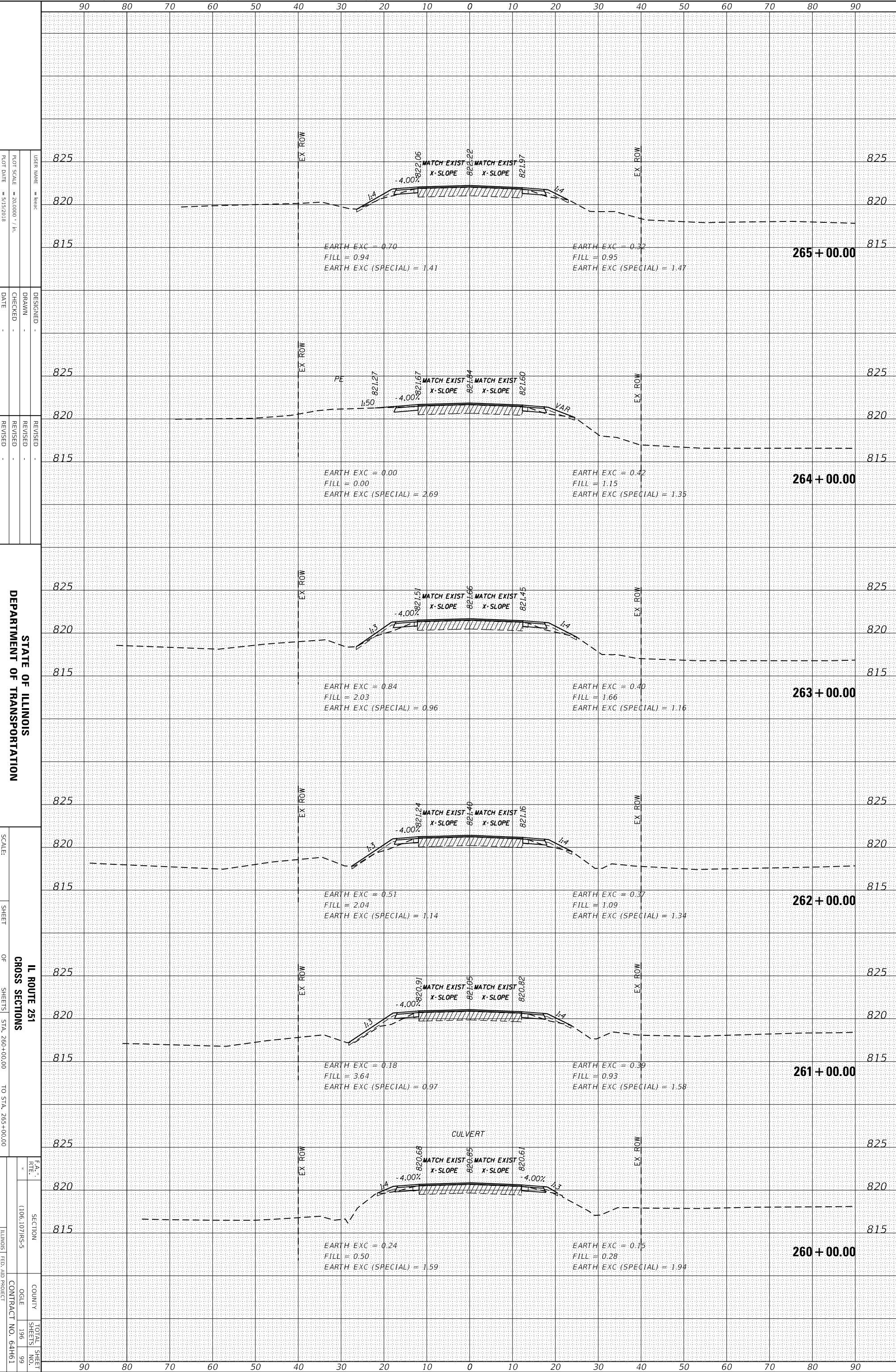
FA5 1042(ILL 251) & FAU 5454(ILL 251)
 ILLINOIS FED. AID PROJECT

SECTION	COUNTY	TOTAL SHEETS
1106.107/MS-5		196
		98
CONTRACT NO.		64H61

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

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

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: _____
 SHEET _____ OF _____ SHEETS
 IL ROUTE 251
 CROSS SECTIONS
 STA. 260+00.00 TO STA. 265+00.00

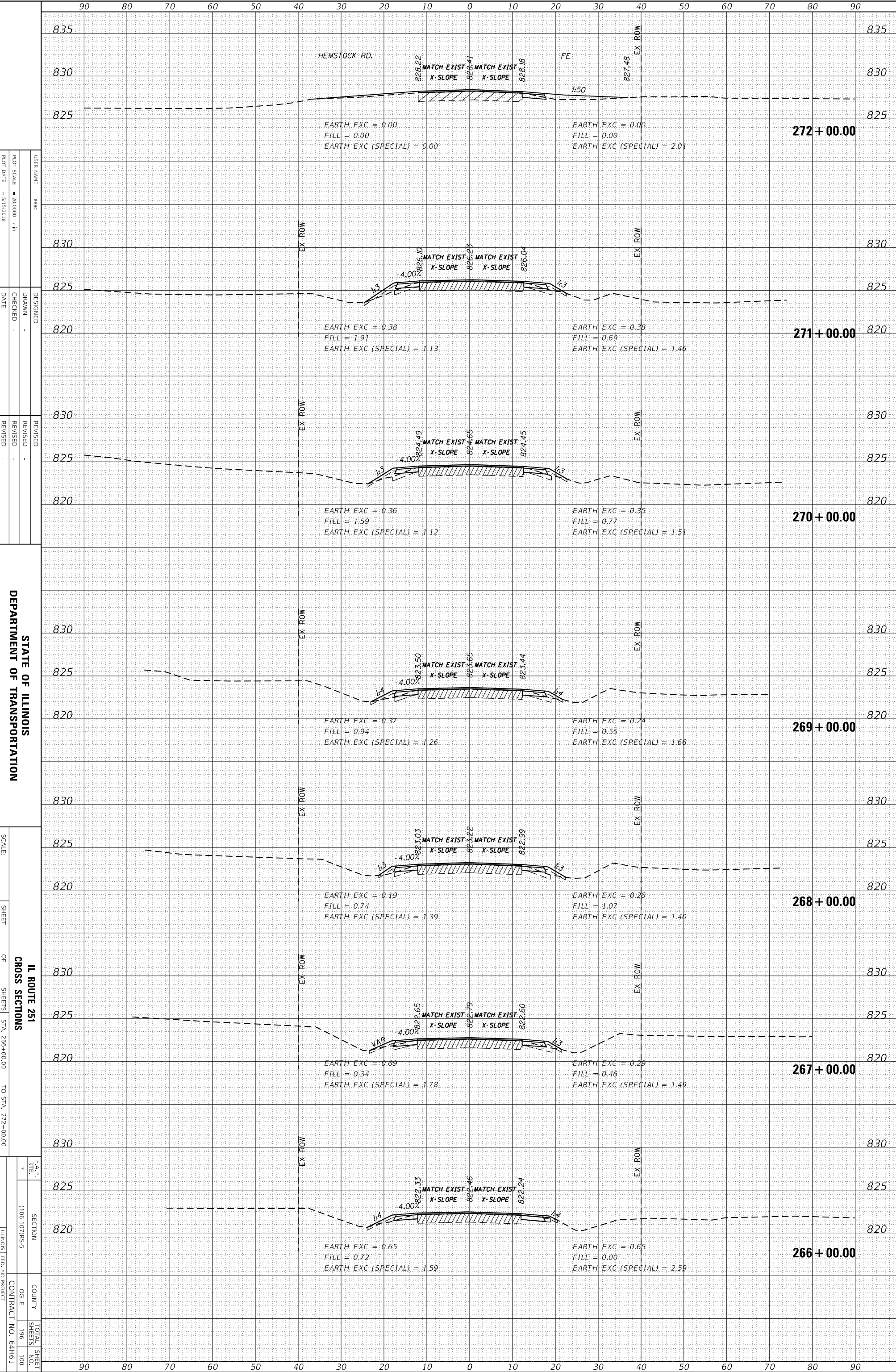
F.A. #	SECTION	COUNTY	TOTAL SHEET
1106.107/MS-5			SHEETS NO. 99
			196
			99
			CONTRACT NO. 64H61

* FAS 1042(ILL 251) & FAU 5454(ILL 251)
 ILLINOIS FED. AID PROJECT

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

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

MODEL: Default
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 251
 CROSS SECTIONS

SCALE: STA. 266+00.00 TO STA. 272+00.00
 SHEET 196 OF 196
 CONTRACT NO. 64H61

FA5 10421L (251) & FAU 5454L (251)
 ILLINOIS FED. AID PROJECT