

04-27-2018 LETTING ITEM 118

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**

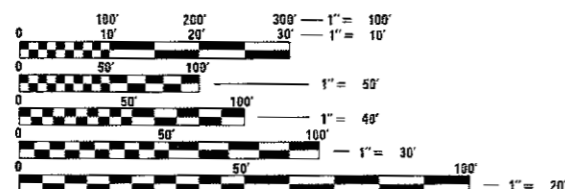
FAS 1042 (IL 251) & FAU 5454 (IL 251)
SECTION (106, 107) RS-5
Winn. Co. line to 0.3 mi N of Flagg Rd.
PROJECT HSIP-STP-IT4K(439)
3P RESURFACING
OGLE COUNTY

FAS RTE 1042	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU RTE 5454	(106, 107) RS-5	OGLE	196	1
		ILLINOIS	CONTRACT NO. 64H61	

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.

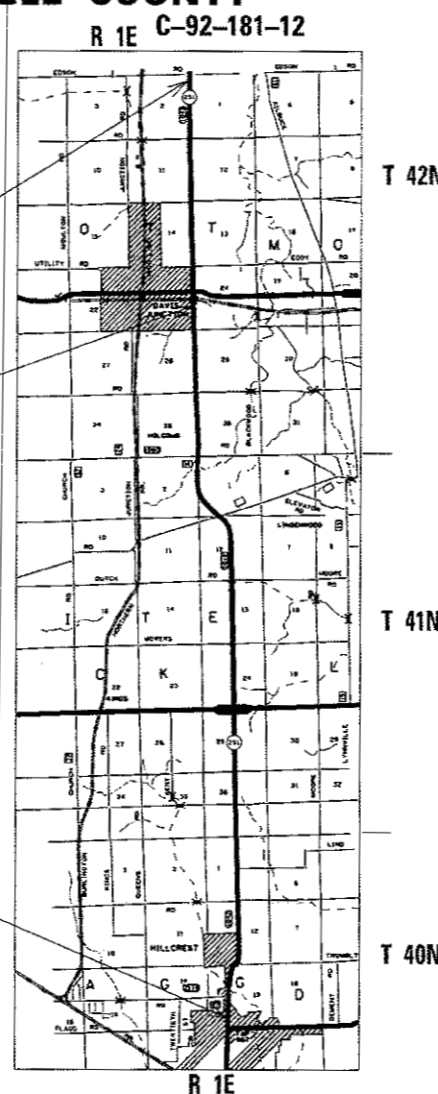
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

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

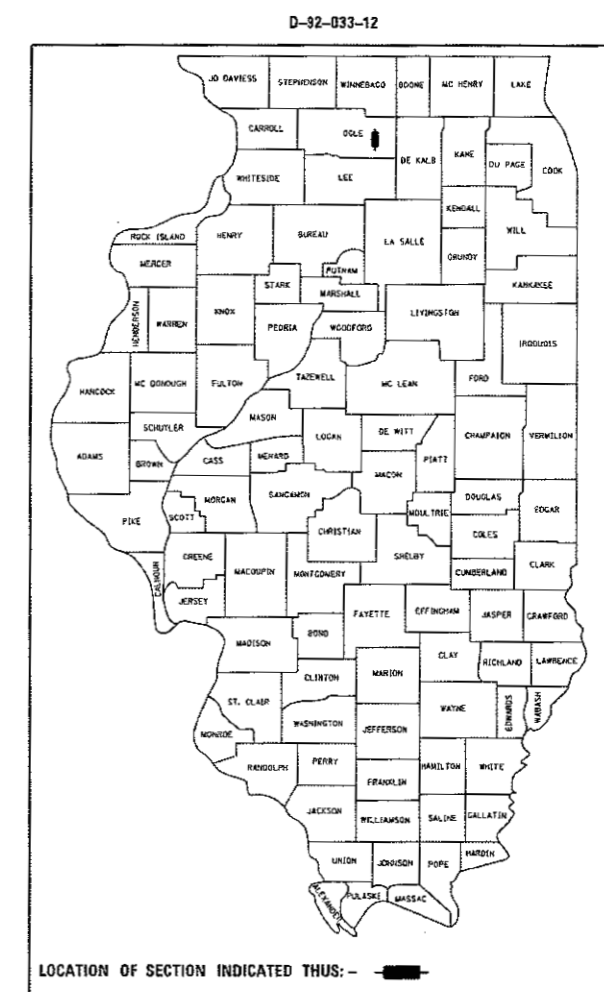


T 42N

T 40-42N

T 41N

T 40N



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 25, 2018
Kevin Marchek
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 23, 2018
Eric
ENGINEER OF DESIGN AND ENVIRONMENT

March 23, 2018
Paul
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

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	3.0 @ N50	3.0 @ 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	QC/QA	QC/QA
Sublot Size:	1,000 TONS	1,000 TONS	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.

To help avoid excess drop offs at the edge of pavement, the existing aggregate wedge or shoulder is to be pulled up and rolled to match the edge of pavement before placing any bituminous material. All costs associated with pulling up

the shoulders shall be considered included in the contract unit price per Ton for HOT-MIX ASPHALT SURFACE COURSE of the type specified.

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 widening, 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.

Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for Furnished Excavation.

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:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. 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.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

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.
	DRAWN -	REVISIONS -	FAS 1042 (IL 251) & FAU 5454 (IL 251)			(106, 107)RS-5	Ogle		3	
	PLOT SCALE =	CHECKED -	REVISIONS -			CONTRACT NO. 64H61		ILLINOIS	FED. AID PROJECT	
PLOT DATE = 1/22/2018 3:01 PM	DATE = 1/16/2018 1:22 PM	REVISIONS -	SCALE		SHEET NO. OF SHEETS	STA.	TO STA.			

GENERAL NOTES

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.

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 = 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, 107)RS-S	Ogle			4
	PLOT DATE = 1/22/2019 3:01 PM	CHECKED -	REVISED -			CONTRACT NO. 64H51		ILLINOIS		FED AID PROJECT	
		DATE - 1/19/2018 1:22 PM	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			

SUMMARY OF QUANTITIES

22320 22310 2230M 2230M

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP	STP 5-200K	STP>200K	90 % FED.
					80 % FED. 20 % STATE. ROADWAY	80 % FED. 20 % STATE. ROADWAY	80 % FED. 20 % STATE. ROADWAY	10 % STATE. SAFETY
					0005	0005	0005	0021
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	547	122	38	387	
	20200100	EARTH EXCAVATION	CU YD	27,108				27,108
*	25000210	SEEDING, CLASS 2A	ACRE	17.25				17.25
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1512				1,512
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1512				1,512
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1512				1,512
**	25000750	MOWING	ACRE	17.25				17.25
	25100125	MULCH, METHOD 3	ACRE	3.25				3.25
	25100630	EROSION CONTROL BLANKET	SQ YD	68030				68,030
	25100900	TURF REINFORCEMENT MAT	SQ YD	1407	1,407			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	110	110			
	28000305	TEMPORARY DITCH CHECKS	FOOT	176	176			
	30300104	AGGREGATE SUBGRADE IMPROVEMENT 4"	SQ YD	67506				67,506

* 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 RTE 1042	SECTION (106,107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 5
Default	Plot Scale = 50.0000' / in.	CHECKED -	REVISED -	SCALE: _____	SHEET _____ OF _____ SHEETS	ILLINOIS FED. AID PROJECT		CONTRACT NO. 64H61		

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP	STP 5-200K	STP>200K	90 % FED.
					80 % FED.	80 % FED.	80 % FED.	10 % STATE.
					20 % STATE. ROADWAY	20 % STATE. ROADWAY	20 % STATE. ROADWAY	SAFETY
					0005	0005	0005	0021
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	184065				184,065
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	183693	99747	12516	51643	19,787
	40600525	LEVELING BINDER (HAND METHOD), N50	TON	117	69	9	39	
	40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	12,965	7,883	964	4,118	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	5,606	3,063	1363	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	1446	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	

* SPECIALTY ITEMS
 ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = amkneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. S	SECTION	COUNTY	TOTAL	SHEET	
pw\11084EBID\INTEG\Illinois.gov\FWIDOT\Documents\DOT Office\District 2\Projects\203312\CADD\Drawings\CAD\Drawings\203312\Drawings\203312.dwg	DT Office\District 2\Projects\203312\CADD\Drawings\CAD\Drawings\203312\Drawings\203312.dwg	CHECKED -	REVISED -			1042	(106,107) RS-5	OGLE	196	6	
Default	PLOT SCALE = 50.0000' / 1 in.	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 64H61			
	PLOT DATE = Feb-18-2018 07:29:46 AM					ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

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					80 % FED.	80 % FED.	80 % FED.	10 % STATE.
					20 % STATE.	20 % STATE.	20 % STATE.	SAFETY
					ROADWAY	ROADWAY	ROADWAY	0021
					0005	0005	0005	
	44002232	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8"	SQ YD	1,500	500	500	500	
	44004250	PAVED SHOULDER REMOVAL	SQ YD	16,347	9,726	1,281	5,340	
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5,424	824		4,600	
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	34	21	2	11	
	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			
	60100080	FRENCH DRAINS	CU YD	105				105
	* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,175	712.5		462.5	
	* X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	75	25		50	
	* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	6		4	

* SPECIALTY ITEMS
 ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = arlkeyde	DESIGNED -	REVISED -
pc:\ill0848\BID\INTEG\illinois.gov\PWDOT\Documents\DOT\Office\District 2\Projects\203312\CAD\Drawings\0223\0223.dwg		CHECKED -	REVISED -
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PLOT DATE = Feb-13-2016 07:28:46 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	7
CONTRACT NO. 64H61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP	STP 5-200K	STP>200K	90 % FED.
					80 % FED.	80 % FED.	80 % FED.	10 % STATE.
					20 % STATE. ROADWAY	20 % STATE. ROADWAY	20 % STATE. ROADWAY	SAFETY
					0005	0005	0005	0021
*	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 II	EACH	14	6		8	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	4	1	2	
	67100100	MOBILIZATION	L SUM	1	0.5	0.1	0.4	
	70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	0.5	0.1	0.4	
	70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	0.5	0.1	0.4	
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.1	0.4	
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5	0.1	0.4	
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1				1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5	0.1	0.4	

* SPECIALTY ITEMS
 ** NON-PARTICIPATING 100%STATE

FILE NAME =	USER NAME = ankenyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pc:\IL08\EBID\INTEG\Illinois.gov\FWIDOT\Documents\DOT\Officers\District 2\Projects\0203312\CADData\CADsheets\0203312\DRAWING\module.dgn	DT 0203312	CHECKED -	REVISED -			1042	(106,107) RS-5	OGLE	196	8	
PLOT SCALE = 50,0000' / in.		DATE -	REVISED -			CONTRACT NO. 64H61					
PLOT DATE = Jan-19-2018 09:56:49 AM						ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP	STP 5-200K	STP>200K	90 % FED.
					80 % FED.	80 % FED.	80 % FED.	10 % STATE.
					20 % STATE. ROADWAY	20 % STATE. ROADWAY	20 % STATE. ROADWAY	SAFETY
					0005	0005	0005	0021
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	28	20	1	7	
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	28,721	16,287	2,145	10,289	
	70300150	SHORT-TERM PAVEMENT MARKING REMOVAL	SQ FT	3,191	1,810	238	1,143	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	386	62		324	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20,534	7,488		13,046	
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,404	810		594	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,609	693		916	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	597	339	70	188	
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	405,728	227,095	35,490	143,143	
*	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	

100%STATE

DESIGNED -	REVISED -
12/CADD/Draw/CAD/Sheet/102333/DRAWN/rev.dgn	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**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	9
CONTRACT NO. 64H61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNITS	TOTAL QUANTITY	RURAL	URBAN	URBAN	HSIP
					STP	STP 5-200K	STP>200K	90 % FED.
					80 % FED.	80 % FED.	80 % FED.	10 % STATE.
					20 % STATE.	20 % STATE.	20 % STATE.	SAFETY
					ROADWAY	ROADWAY	ROADWAY	SAFETY
					0005	0005	0005	0021
*	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			19071	
	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	
	Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	67,980				67,980
	Z0034105	MATERIAL TRANSFER DEVICE	TON	32,188	19701	2409	10078	
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	75,438	44265	5957	25216	
	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			

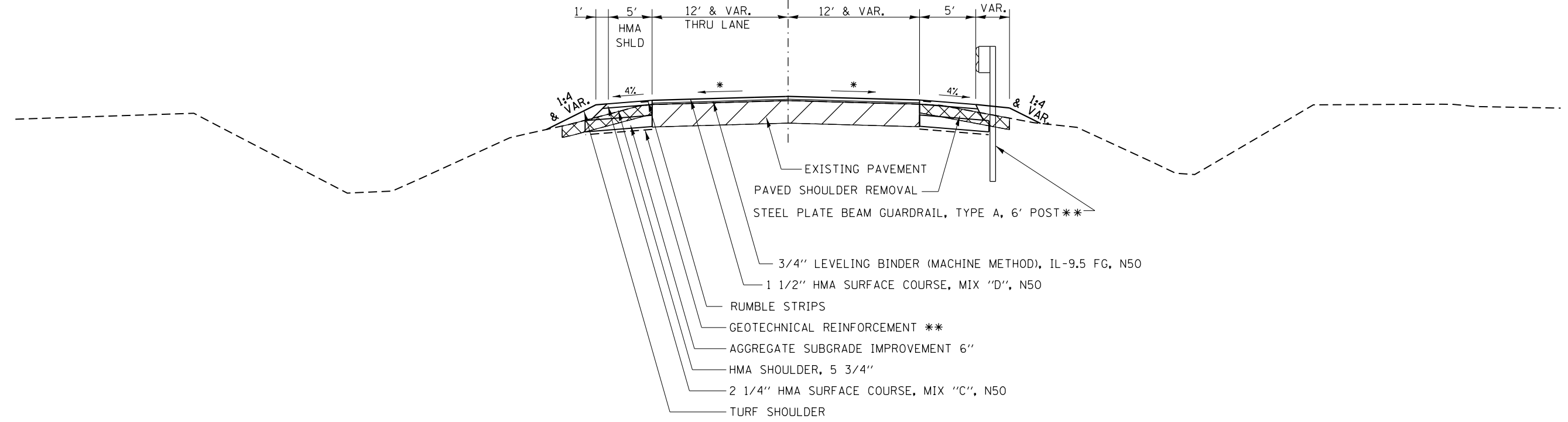
54 32 52 18

∅ 0042
 * SPECIALTY ITEMS
 ** NON-PARTICIPATING 100%STATE

TYPICAL SECTIONS

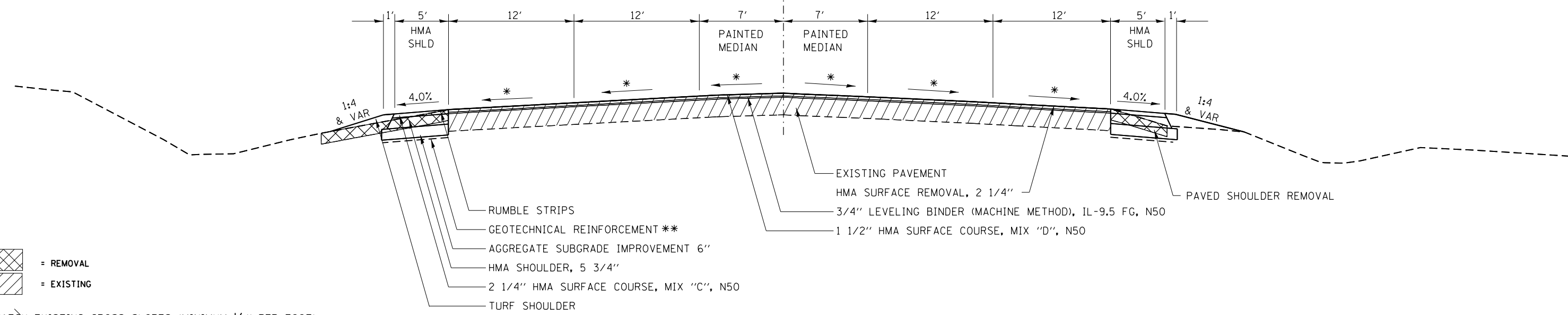
STA. 200+10.5 - 428+35
 STA. 434+58 - 771+44
 STA. 790+59 - 951+30

IL 251



IL 64
 STA. 429+42.5 - 433+45.5

IL 251



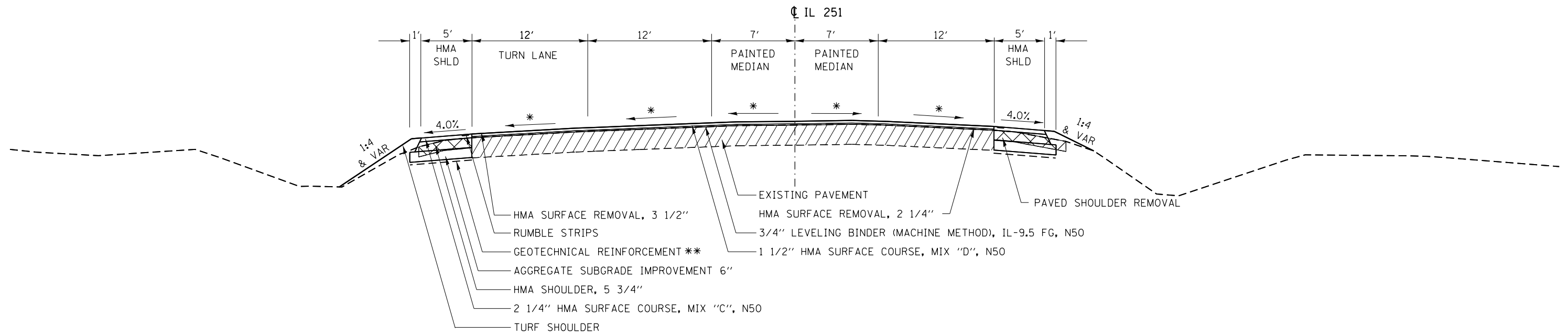
= REMOVAL
 = EXISTING

*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

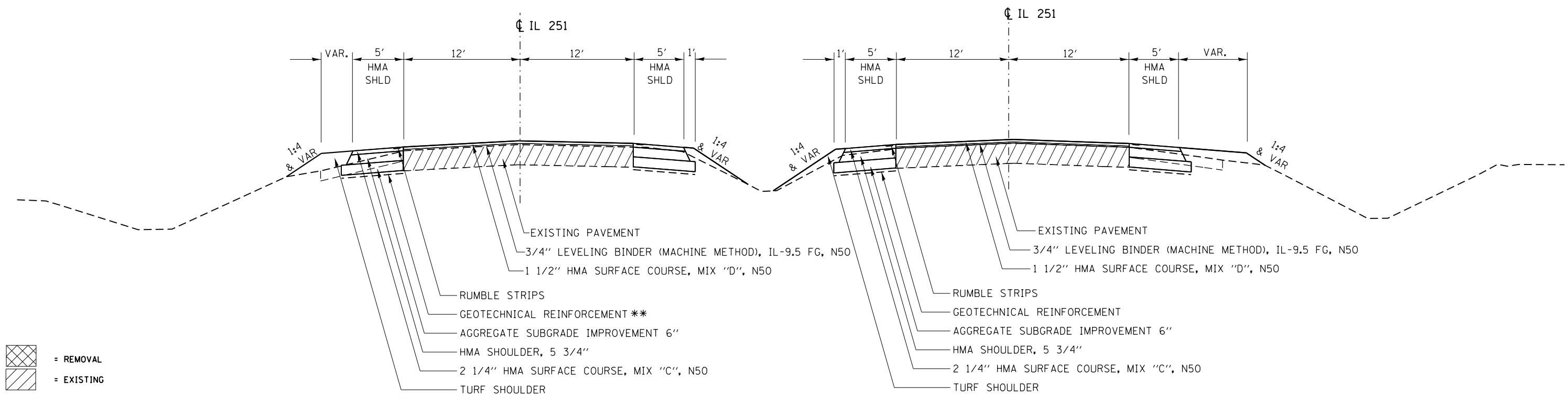
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default						1042	(106,107) RS-5	OGLE	196	11	
						CONTRACT NO. 64H61					
						ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

TYPICAL SECTIONS

STA. 911+00 - STA. 918+00
 @ SCOTT RD.



STA. 951+30 - STA. 963+66.450



= REMOVAL
 = EXISTING

*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 = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			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-shd-typical.dwg	PLotted	CHECKED -	REVISED -					1042	(106,107) RS-5	OGLE	196	12
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64H61				
	PLOT DATE = May-04-2017 09:10:28 AM				ILLINOIS FED. AID PROJECT							

SCHEDULE OF QUANTITIES

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT RURAL	UNIT URBAN	UNIT URBAN	LOCATION
	STP >	200 STP	5-200K
		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 RURAL	CU YD URBAN	CU YD URBAN	LOCATION
	STP >	200 STP	5-200K
		2047	
			199 + 00 - 259 + 00
14450			259 + 00 - 701 + 65
	10611		701 + 65 - 964 + 34
<hr/>			
14450	10611	2047	SUBTOTAL
<hr/>			
27108			TOTAL

25000210 SEEDING, CLASS 2A

ACRE RURAL	ACRE URBAN	ACRE URBAN	LOCATION
	STP >	200 STP	5-200K
		1.27	
			199 + 00 - 259 + 00
8.96			259 + 00 - 701 + 65
	6.58		701 + 65 - 964 + 34
<hr/>			
8.96	6.58	1.27	SUBTOTAL
<hr/>			
17.05			TOTAL

25000400 NITROGEN FERTILIZER NUTRIENT

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP >	200 STP	5-200K
		114	
			199 + 00 - 259 + 00
806			259 + 00 - 701 + 65
	592		701 + 65 - 964 + 34
<hr/>			
806	592	114	SUBTOTAL
<hr/>			
1512			TOTAL

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP >	200 STP	5-200K
		114	
			199 + 00 - 259 + 00
806			259 + 00 - 701 + 65
	592		701 + 65 - 964 + 34
<hr/>			
806	592	114	SUBTOTAL
<hr/>			
1512			TOTAL

SCHEDULE OF QUANTITIES

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP > 200	STP 5-200K	
		114	199 + 00 - 259 + 00
806			259 + 00 - 701 + 65
	592		701 + 65 - 964 + 34
806	592	114	SUBTOTAL
1512			TOTAL

25000750 MOWING

ACRE RURAL	ACRE URBAN	ACRE URBAN	LOCATION
	STP > 200	STP 5-200K	
		1.27	199 + 00 - 259 + 00
8.96			259 + 00 - 701 + 65
	6.58		701 + 65 - 964 + 34
8.96	6.58	1.27	SUBTOTAL
17.05			TOTAL

25100125 MULCH, METHOD 3

ACRE RURAL	ACRE URBAN	ACRE URBAN	LOCATION
	STP > 200	STP 5-200K	
		0.17	199 + 00 - 259 + 00
0.96			259 + 00 - 701 + 65
	1.76		701 + 65 - 964 + 34
0.96	1.76	0.17	SUBTOTAL
3.13			TOTAL

25100630 EROSION CONTROL BLANKET

SQ_YD RURAL	SQ_YD URBAN	SQ_YD URBAN	LOCATION
	STP > 200	STP 5-200K	
		5333	199 + 00 - 259 + 00
39347			259 + 00 - 701 + 65
	23350		701 + 65 - 964 + 34
39347	23350	5333	SUBTOTAL
68030			TOTAL

25100900 TURF REINFORCEMENT MAT

SQ_YD RURAL	SQ_YD URBAN	SQ_YD URBAN	LOCATION
	STP > 200	STP 5-200K	
20			298 + 00 12'X15' RT, LIND RD
20			298 + 59 12'X15' RT, LIND RD
1333			402 + 00 - 408 + 00 600'X20' RT
17			536 + 85 10'X15' LT, DUTCH RD
17			537 + 22 10'X15' LT, DUTCH RD
1407	0	0	SUBTOTAL
1407			TOTAL

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND RURAL	POUND URBAN	POUND URBAN	LOCATION
	STP > 200	STP 5-200K	
110			402 + 00 - 408 + 00 600'X20' RT RESHAPING DITCH
110	0	0	SUBTOTAL
110			TOTAL

SCHEDULE OF QUANTITIES

28000305 TEMPORARY DITCH CHECKS

FOOT	FOOT	FOOT	LOCATION
RURAL	URBAN	URBAN	
	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
<u>176</u>	<u>0</u>	<u>0</u>	SUBTOTAL
<u>176</u>			TOTAL

40600990 TEMPORARY RAMP

SQ_YD	SQ_YD	SQ_YD	LOCATION
RURAL	URBAN	URBAN	
	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')
<u>809</u>	<u>448</u>	<u>397</u>	SUBTOTAL
<u>1654</u>			TOTAL

30300104 AGGREGATE SUBGRADE IMPROVEMENT 4"

SQ_YD	SQ_YD	SQ_YD	LOCATION
RURAL	URBAN	URBAN	
	STP >	200 STP	5-200K
		4539	225 + 95 - 259 + 00 RT & LT
4044			259 + 00 - 288 + 45 RT & LT
2060			328 + 45 - 343 + 45 RT & LT
47476			355 + 95 - 701 + 65 RT & LT
	9387		701 + 65 - 770 + 00 RT & LT
<u>53581</u>	<u>9387</u>	<u>4539</u>	SUBTOTAL
<u>67506</u>			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		
	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
<u>41</u>	<u>10</u>	<u>0</u>	SUBTOTAL	
<u>51</u>			TOTAL	

SCHEDULE OF QUANTITIES

40601005 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

TON RURAL	TON URBAN	TON URBAN	LOCATION
	STP > 200	STP 5-200K	
224	224	224	AS DIRECTED BY THE R.E
224	224	224	SUBTOTAL
672			TOTAL

44004250 PAVED SHOULDER REMOVAL

SQ_YD RURAL	SQ_YD URBAN	SQ_YD URBAN	LOCATION	* 1 FOOT WIDTH
	STP > 200	STP 5-200K		
		406	199 + 43 - 217 + 69	LT & RT
		208	218 + 19 - 227 + 54	LT & RT
		11	227 + 54 - 228 + 54	RT
		492	228 + 54 - 250 + 69	LT & RT
		11	250 + 69 - 251 + 69	RT
		143	251 + 69 - 258 + 14	LT & RT
		10	258 + 14 - 259 + 00	RT
			259 + 00 - 271 + 19	LT & RT
			271 + 19 - 272 + 33	RT
			272 + 33 - 298 + 2	LT & RT
			298 + 2 - 298 + 64	LT
			298 + 64 - 351 + 28	LT & RT
			352 + 1 - 430 + 19	LT & RT
			431 + 24 - 483 + 69	LT & RT
			484 + 27 - 536 + 69	LT & RT
			536 + 69 - 537 + 40	RT
			536 + 69 - 592 + 54	LT & RT
			593 + 41 - 648 + 5	LT & RT
			649 + 00 - 701 + 37	LT & RT
			702 + 21 - 754 + 69	LT & RT
			754 + 69 - 755 + 46	LT
			755 + 46 - 770 + 00	LT & RT
				IL 72 PAVING GAP
			789 + 92 - 807 + 19	LT & RT
			807 + 19 - 807 + 88	LT
			807 + 88 - 912 + 9	LT & RT
			912 + 9 - 914 + 49	RT
			914 + 49 - 964 + 34	LT & RT
9726	5340	1281	SUBTOTAL	
16347			TOTAL	

44000165 HOT-MIX ASPHALT SURFACE REMOVAL, 4"

(SEE D.S. 38.4)
(TO BE USED FOR EDGE PAVEMENT REPAIR)

SQ_YD RURAL	SQ_YD URBAN	SQ_YD URBAN	LOCATION
	STP > 200	STP 5-200K	
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
183	44	0	SUBTOTAL
227			TOTAL

44002232 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8"

SQ_YD RURAL	SQ_YD URBAN	SQ_YD URBAN	LOCATION
	STP > 200	STP 5-200K	
500	500	500	AS DIRECTED BY THE R.E
500	500	500	SUBTOTAL
1500			TOTAL

SCHEDULE OF QUANTITIES

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

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
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
712.5	462.5	0	SUBTOTAL
1175			TOTAL

X6300155 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
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
25.0	50.0	0	SUBTOTAL
75			TOTAL

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
	STP >	200 STP	5-200K
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
6.0	4.0	0	SUBTOTAL
10			TOTAL

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
	STP >	200 STP	5-200K
	1		768 + 45 - 768 + 95 LT
	1		TOTAL

63200310 GUARDRAIL REMOVAL

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
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
1475			TOTAL

SCHEDULE OF QUANTITIES

63500105 DELINEATORS

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
	STP >	200 STP	5-200K
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
<u>34</u>	<u>20</u>	<u>0</u>	SUBTOTAL
<u>54</u>			TOTAL

64200108 SHOULDER RUMBLE STRIPS, 8 INCH

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
		9531	199 + 43 - 259 + 00 RT/LT
70824			259 + 00 - 701 + 65 RT/LT
	10936		701 + 65 - 770 + 00 RT/LT
			IL 72 PAVING GAP
	27907		789 + 92 - 964 + 34 RT/LT
<u>70824</u>	<u>38843</u>	<u>9531</u>	SUBTOTAL
<u>119198</u>			TOTAL

70300100 SHORT-TERM PAVEMENT MARKING

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
		1072	199 + 43 - 259 + 00
7968			259 + 00 - 701 + 65
	4596		701 + 65 - 957 + 00
	468		957 + 00 - 966 + 00
40			4 ARROWS IL 64
136			STOP BARS IL 64
	80		8 ARROWS SCOTT RD
<u>8144</u>	<u>5144</u>	<u>1072</u>	SUBTOTAL
<u>28721</u>	(2 LIFTS)		TOTAL

70300150 SHORT-TERM PAVEMENT MARKING REMOVAL

SQ FT RURAL	SQ FT URBAN	SQ FT URBAN	LOCATION
	STP >	200 STP	5-200K
		238	199 + 43 - 259 + 00
1771			259 + 00 - 701 + 65
	1021		701 + 65 - 957 + 00
	104		957 + 00 - 966 + 00
9			4 ARROWS IL 64
30			STOP BARS IL 64
	18		8 ARROWS SCOTT RD
<u>1810</u>	<u>1143</u>	<u>238</u>	SUBTOTAL
<u>3191</u>			TOTAL

SCHEDULE OF QUANTITIES

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

<u>SQ FT</u>	<u>SQ FT</u>	<u>SQ FT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP >	200 STP	5-200K
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
	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
	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
	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

<u>FOOT</u>	<u>FOOT</u>	<u>FOOT</u>	<u>LOCATION</u>
RURAL	URBAN	URBAN	
	STP >	200 STP	5-200K
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
<u>280</u>	<u>426</u>	<u>0</u>	SUBTOTAL
2624			423 + 87 - 430 + 43 FLUSH MEDIAN (YELLOW), IL 64
2852			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
	2876		905 + 83 - 913 + 2 FLUSH MEDIAN (YELLOW) SCOTT RD
	3080		914 + 2 - 921 + 72 FLUSH MEDIAN (YELLOW) SCOTT RD
	3088		951 + 30 - 959 + 2 FLUSH MEDIAN (YELLOW)
632			1771 + 42 - 1771 + 42 FLUSH MEDIAN (YELLOW), IL 64
1100			1774 + 6 - 1774 + 6 FLUSH MEDIAN (YELLOW), IL 64
	300		1780 + 59 - 1783 + 59 FLUSH MEDIAN (WHITE), IL 72
	1168		1781 + 55 - 1784 + 47 FLUSH MEDIAN (YELLOW), IL 72
	680		1785 + 39 - 1787 + 9 FLUSH MEDIAN (YELLOW), IL 72
<u>7208</u>	<u>12620</u>	<u>0</u>	SUBTOTAL
<u>20534</u>			TOTAL

SCHEDULE OF QUANTITIES

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
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
	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
<u>250</u>	<u>454</u>	<u>0</u>	SUBTOTAL
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
<u>560</u>	<u>140</u>	<u>0</u>	SUBTOTAL
<u>1404</u>			TOTAL

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
		28	218 + 00 RT & LT STOP BAR AT TWOMBLY RD
		14	228 + 15 LT STOP BAR AT HILLCREST AVE
		14	251 + 21 LT STOP BAR AT MAPLE AVE
		14	258 + 85 LT STOP BAR AT OAK RD
14			271 + 79 LT STOP BAR AT HEMSTOCK RD
14			298 + 31 RT STOP BAR AT LIND RD
28			351 + 62 RT & LT STOP BAR AT BETHEL RD
25			430 + 42 RT STOP BAR AT IL 64 RD
25			431 + 20 LT STOP BAR AT IL 64 RD
28			484 + 2 RT & LT STOP BAR AT MOWERS RD
14			537 + 4 LT STOP BAR AT DUTCH RD
28			592 + 70 RT & LT STOP BAR AT LINDENWOOD RD
28			648 + 56 RT & LT STOP BAR AT HOLCOMB RD
	28		701 + 79 RT & LT STOP BAR AT BIG MOUND RD
	14		755 + 5 RT STOP BAR AT 1ST STREET
	14		807 + 55 RT STOP BAR AT EDDY RD
	32		913 + 45 LT STOP BAR AT SCOTT RD
13			1773 + 00 RT STOP BAR AT IL 64 RD
20			1773 + 4 LT STOP BAR AT IL 64 RD
20			1773 + 4 RT STOP BAR AT IL 64 RD
14			1773 + 10 RT STOP BAR AT IL 64 RD
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
	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
<u>339</u>	<u>188</u>	<u>70</u>	SUBTOTAL
<u>597</u>			TOTAL

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION
	STP >	200 STP	5-200K
178			423 + 87 - 430 + 43 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64
175			431 + 19 - 438 + 32 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64
	81		784 + 56 - 789 + 5 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 72
	130		905 + 83 - 913 + 2 DIAGONALS (FLUSH MEDIAN) YELLOW SCOTT RD
	296		914 + 2 - 921 + 72 DIAGONALS (FLUSH MEDIAN) YELLOW SCOTT RD
	29		951 + 30 - 959 + 2 DIAGONALS (FLUSH MEDIAN) YELLOW
5			1771 + 42 - 1771 + 42 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64
47			1774 + 6 - 1774 + 6 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 64
	211		1780 + 59 - 1783 + 59 FLUSH MEDIAN (WHITE), IL 72
	115		1781 + 55 - 1787 + 9 DIAGONALS (FLUSH MEDIAN) YELLOW, IL 72
<u>353</u>	<u>862</u>	<u>0</u>	SUBTOTAL
340			430 + 84 ISLAND DIAGONALS PAINT, SOLID WHITE IL 64
	388		786 + 90 ISLAND DIAGONALS PAINT, SOLID WHITE IL 72
	54		912 + 93 ISLAND DIAGONALS PAINT, SOLID WHITE SCOTT RD
<u>340</u>	<u>54</u>	<u>0</u>	SUBTOTAL
<u>1609</u>			TOTAL

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				
		435	199 + 43	-	202 + 91	NO PASS EB	
		145	202 + 91	-	208 + 72	CL SKIP DASHES	
		1146	202 + 72	-	211 + 89	NO PASS WB	
		3484	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	
3353			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	
1320			453 + 18	-	463 + 74	NO PASS WB	
1690			463 + 74	-	472 + 19	DOUBLE CENTER LINE MOWERS RD	
1584			472 + 19	-	484 + 86	NO PASS EB	
1981			484 + 86	-	500 + 71	NO PASS WB	
1900			500 + 71	-	510 + 21	DOUBLE CENTER LINE	
1254			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	
1927			566 + 71	-	643 + 79	CL SKIP DASHES LINDENWOOD RD	
330			643 + 79	-	646 + 43	NO PASS WB	
1056			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	
1056			682 + 86	-	691 + 31	NO PASS EB	
259			691 + 31	-	701 + 65	CL SKIP DASHES BIG MOUND RD	
	1101		701	65	745	70	CL SKIP DASHES
	990		745 + 70	-	753 + 62	NO PASS WB	

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION	*2 COATS YELLOW			
	STP >	200 STP	5-200K				
		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	
		1438	777 + 37	-	784 + 56	DOUBLE CENTER LINE IL 72 PAVING GAP	
		1181	789 + 5	-	798 + 50	NO PASS EB	
		1109	798 + 50	-	842 + 85	CL SKIP DASHES	
		1320	842 + 85	-	853 + 41	NO PASS WB	
		1254	853 + 41	-	863 + 44	NO PASS EB	
		225	863 + 44	-	872 + 42	CL SKIP DASHES	
		990	872 + 42	-	880 + 34	NO PASS WB	
		1188	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	
		2218	922 + 58	-	933 + 67	DOUBLE CENTER LINE	
		1254	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	
26064	19652	6217	SUBTOTAL				
103864	(2 COATS YELLOW)		TOTAL				

SCHEDULE OF QUANTITIES

78001110 PAINT PAVEMENT MARKING - LINE 4" (CONTINUED)

78100100 RAISED REFLECTIVE PAVEMENT MARKER

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION	*2 COATS WHITE
	STP >	200 STP	5-200K	
		3652	199 + 43 - 217 + 69	LT & RT WHITE EDGE LINE
		1870	218 + 19 - 227 + 54	LT & RT WHITE EDGE LINE
		100	227 + 54 - 228 + 54	RT WHITE EDGE LINE
		4430	228 + 54 - 250 + 69	LT & RT WHITE EDGE LINE
		100	250 + 69 - 251 + 69	RT WHITE EDGE LINE
		1290	251 + 69 - 258 + 14	LT & RT WHITE EDGE LINE
		86	258 + 14 - 259 + 00	RT WHITE EDGE LINE
49			259 + 00 - 259 + 49	RT WHITE EDGE LINE
2340			259 + 49 - 271 + 19	LT & RT WHITE EDGE LINE
114			271 + 19 - 272 + 33	RT WHITE EDGE LINE
5138			272 + 33 - 298 + 2	LT & RT WHITE EDGE LINE
62			298 + 2 - 298 + 64	LT WHITE EDGE LINE
10528			298 + 64 - 351 + 28	LT & RT WHITE EDGE LINE
15636			352 + 1 - 430 + 19	LT & RT WHITE EDGE LINE
10490			431 + 24 - 483 + 69	LT & RT WHITE EDGE LINE
10484			484 + 27 - 536 + 69	LT & RT WHITE EDGE LINE
71			536 + 69 - 537 + 40	RT WHITE EDGE LINE
11170			536 + 69 - 592 + 54	LT & RT WHITE EDGE LINE
10928			593 + 41 - 648 + 5	LT & RT WHITE EDGE LINE
10474			649 + 00 - 701 + 37	LT & RT WHITE EDGE LINE
	10496		702 + 21 - 754 + 69	LT & RT WHITE EDGE LINE
	77		754 + 69 - 755 + 46	LT WHITE EDGE LINE
	6238		755 + 46 - 786 + 65	LT & RT WHITE EDGE LINE
			IL 72 PAVING GAP	
	3988		787 + 25 - 807 + 19	LT & RT WHITE EDGE LINE
	69		807 + 19 - 807 + 88	LT WHITE EDGE LINE
	20842		807 + 88 - 912 + 9	LT & RT WHITE EDGE LINE
	240		912 + 9 - 914 + 49	RT WHITE EDGE LINE
	9970		914 + 49 - 964 + 34	LT & RT WHITE EDGE LINE
87484	51920	11528	SUBTOTAL	
301864	(2 COATS WHITE)		TOTAL	
405728	GRAND TOTAL			

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
	STP >	200 STP	5-200K
		70	199 + 43 - 227 + 54
		39	227 + 54 - 259 + 00
243			259 + 00 - 453 + 31
4			453 + 31 - 454 + 16
309			454 + 16 - 701 + 65
	96		701 + 65 - 778 + 16
	160		778 + 16 - 906 + 21
	24		906 + 21 - 910 + 91
	43		913 + 99 - 922 + 57
	38		922 + 57 - 952 + 69
	32		952 + 69 - 959 + 3
557	391	110	SUBTOTAL
1058	TOTAL		

78200005 GUARDRAIL REFLECTORS, TYPE A

EACH RURAL	EACH URBAN	EACH URBAN	LOCATION
	STP >	200 STP	5-200K
4			532 + 47.5 - 535 + 85 RT
4			533 + 11 - 536 + 36 LT
4			585 + 32 - 589 + 32 LT
	4		765 + 82 - 769 + 7 RT
	4		766 + 45.5 - 769 + 83 LT
12	8	0	SUBTOTAL
20	TOTAL		

SCHEDULE OF QUANTITIES

X0327980 PAVEMENT MARKING REMOVAL – WATER BLASTING

72501000 TERMINAL MARKER – DIRECT APPLIED

<u>EACH</u> RURAL	<u>EACH</u> URBAN	<u>EACH</u> URBAN	<u>LOCATION</u>	<u>SQ FT</u> RURAL	<u>SQ FT</u> URBAN	<u>SQ FT</u> URBAN	<u>LOCATION</u>
	STP >	200 STP	5–200K		STP >	200 STP	5–200K
1			532 + 47.5 RT		29.0		777 + 72 – 777 + 64.4 AHEAD
1			535 + 85 RT		20.8		777 + 18 – 777 + 6.71 STOP
1			533 + 11 LT		1496		784 + 56 – 786 + 43 FLUSH MEDIAN (YELLOW), IL 72
1			536 + 36 LT		7920		786 + 90 ISLAND PAINT, SOLID WHITE IL 72
1			585 + 32 LT		1360		787 + 35 – 789 + 5 FLUSH MEDIAN (YELLOW), IL 72
1			589 + 32 LT		29.0		790 + 31 – 790 + 39.3 AHEAD
	1		765 + 82 RT		20.8		790 + 89 – 790 + 97.3 STOP
	1		769 + 7 RT		20.8		1780 + 51 – 1780 + 58.6 STOP
	1		766 + 46 LT		4200		1780 + 59 – 1783 + 59 FLUSH MEDIAN (WHITE), IL 72
	1		769 + 83 LT		29.0		1781 + 9 – 1781 + 16.7 AHEAD
			SUBTOTAL		2336		1781 + 55 – 1784 + 47 FLUSH MEDIAN (YELLOW), IL 72
6	4	0			28		1784 + 47 RT STOP BAR AT IL 72
10			TOTAL		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
					1360		1785 + 39 – 1787 + 9 FLUSH MEDIAN (YELLOW), IL 72
					29.0		1789 + 80 – 1789 + 88 AHEAD
					20.8		1790 + 38 – 1790 + 46 STOP
			SUBTOTAL	0	19071	0	
			TOTAL	19071			

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

<u>EACH</u> RURAL	<u>EACH</u> URBAN	<u>EACH</u> URBAN	<u>LOCATION</u>	<u>SQ FT</u> RURAL	<u>SQ FT</u> URBAN	<u>SQ FT</u> URBAN	<u>LOCATION</u>
	STP >	200 STP	5–200K		STP >	200 STP	5–200K
			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			
429	37	329	SUBTOTAL				
795			TOTAL				

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

<u>EACH</u> RURAL	<u>EACH</u> URBAN	<u>EACH</u> URBAN	<u>LOCATION</u>
	STP >	200 STP	5–200K
		1	199 + 43 – 259 + 00
2			259 + 00 – 701 + 65
	2		701 + 65 – 964 + 34
2	2	1	SUBTOTAL
5			TOTAL

SCHEDULE OF QUANTITIES

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

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

Z0028415 GEOTECHNICAL REINFORCEMENT

SQ YD RURAL	SQ YD URBAN	SQ YD URBAN	LOCATION
	STP > 200	STP 5-200K	
		4539	225 + 95 - 259 + 00 RT & LT
4044			259 + 00 - 288 + 45 RT & LT
47476			355 + 95 - 701 + 65 RT & LT
	11921		701 + 65 - 788 + 45 RT & LT
51521	11921	4539	SUBTOTAL
67980			TOTAL

Z0034105 MATERIAL TRANSFER DEVICE

TON RURAL	TON URBAN	TON URBAN	LOCATION
	STP > 200	STP 5-200K	
		964	199 + 43 - 259 + 00 LEVEL BINDER (MM) IL 9.5, N50
7842			259 + 00 - 701 + 65 LEVEL BINDER (MM) IL 9.5, N50
	4118		701 + 65 - 964 + 34 LEVEL BINDER (MM) IL 9.5, N50
		1446	199 + 43 - 259 + 00 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
11859			259 + 00 - 701 + 65 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
	5960		701 + 65 - 964 + 34 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
19701	10078	2409	SUBTOTAL
32188			TOTAL

Z0033700 LONGITUDINAL JOINT SEALANT

FOOT RURAL	FOOT URBAN	FOOT URBAN	LOCATION	(SEE WRITTEN SPECIAL PROVISION)
	STP > 200	STP 5-200K		
		5957	199 + 43 - 259 + 00	CENTER LINE (MAIN LINE)
44265			259 + 00 - 701 + 65	CENTER LINE (MAIN LINE)
	6835		701 + 65 - 770 + 00	CENTER LINE (MAIN LINE) IL 72 PAVING GAP
	17442		789 + 92 - 964 + 34	CENTER LINE (MAIN LINE)
	400		914 + 00 - 918 + 00	SB TURN LANE
	539		1171 + 41 - 1176 + 80	IL 64
44265	25216	5957	SUBTOTAL	
75438			TOTAL	

Z0040315 PILOT CAR

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

BITUMINOUS SCHEDULE

HOT-MIX ASPHALT SCHEDULE

*40600275 **40600290 ***40600627 ***40603310 ***40603335 44000158 44000163 48203020 Z0004405

Location	Remarks	Length	Proposed Surface		Bit Materials Prime Coat (Shoulder)	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	Pound	Ton	Ton	Ton	Sq Yd	Sq Yd	Sq Yd	Sq Yd
Sta 199 +43	Beginning of Project												
Sta 199 +43 - 259 +00		5957	26	17209.1	14892.5	13105.4	963.7	926.6	1445.6			6618.9	17209.1
Sta 259 +00 - 424 +37		16537	26	47773.6	41342.5	36381.4	2675.3	2572.4	4013.0			18374.4	47773.6
Sta 424 +37 - 426 +31	NB & SB Varies 14'-26'	194	Var.	862.2	485.0	630.5	48.3	30.2	72.4			215.6	862.2
Sta 426 +31 - 436 +16	NB & SB Main Lane	985	52	5691.1	2462.5	4087.8	318.7	153.2	478.1	5691.1		1094.4	
Sta 426 +31 - 436 +16	Median Varies 0-14'	985	Var.	766.1		763.4	42.9		64.4	766.1			
Sta 436 +16 - 437 +30	NB & SB Varies 14'-26'	114	Var.	506.7	285.0	370.5	28.4	17.7	42.6			126.7	506.7
Sta 437 +30 - 701 +65		26435	26	76367.8	66087.5	58157.0	4276.6	4112.1	6414.9			29372.2	76367.8
Sta 701 +65 - 770 +00		6835	26	19745.6	17087.5	15037.0	1105.8	1063.2	1658.6			7594.4	19745.6
Sta 770 +00 - 789 +92	IL 72 PAVING GAP	1992											
Sta 789 +92 - 905 +83		11591	26	33485.1	28977.5	25500.2	1875.2	1803.0	2812.7			12878.9	33485.1
Sta 905 +83 - 911 +00	NB & SB Main Lane	517	26	1493.6	646.3	1137.4	83.6	24.1	83.6				1493.6
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	2111.1	625.0	1550.0	118.2	23.3	118.2	2111.1			
Sta 916 +00 - 918 +00	NB & SB Main Lane	200	26	577.8	250.0	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		577.8	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	266.3	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		3029	26	8750.4	7572.5	6663.8	490.0	471.2	735.0			3365.6	8750.4
Sta 952 +00 - 959 +00	NB & SB Varies 14'-26'	700	Var.	1555.6	1750.0	1225.0	87.1	108.9	130.7			777.8	1555.6
Sta 959 +00 - 964 +34	NB & SB Main Lane	534	48	2848.0	1335.0	2055.9	159.5	83.1	239.2			593.3	2848.0
Sta 964 +34	End of Project												
STA 199+43 TO STA 259+00 SUBTOTAL (URBAN STP 5-200K)				17209.1	14892.5	13105.4	963.71	926.64	1445.57	0.00	0.00	6618.89	17209.1
STA 259+00 TO STA 701+65 SUBTOTAL (STP RURAL)				131967.4	110662.5	100390.5	7390.18	6885.67	11085.27	6457.22	0.00	49183.33	125510.2
STA 701+65 TO 964+34 SUBTOTAL (URBAN STP> 200K)				72950.2	58510.0	55653.7	4117.57	3658.36	5960.16	2111.11	577.78	25654.44	70261.3
TOTAL				222126.8	184065.0	169149.6	12471.46	11470.67	18490.99	8568.33	577.78	81456.67	212980.7

* Bituminous Materials (Prime Coat) Rate of Application = 2.25 Lb / Sq Yd on Aggregate
 ** 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

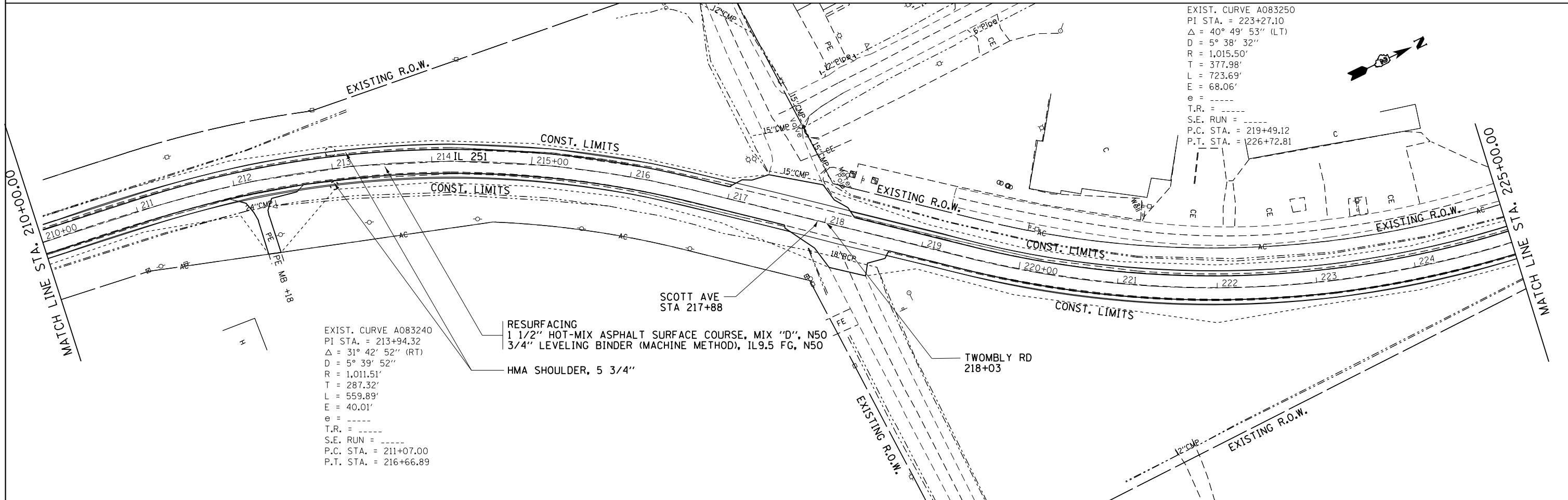
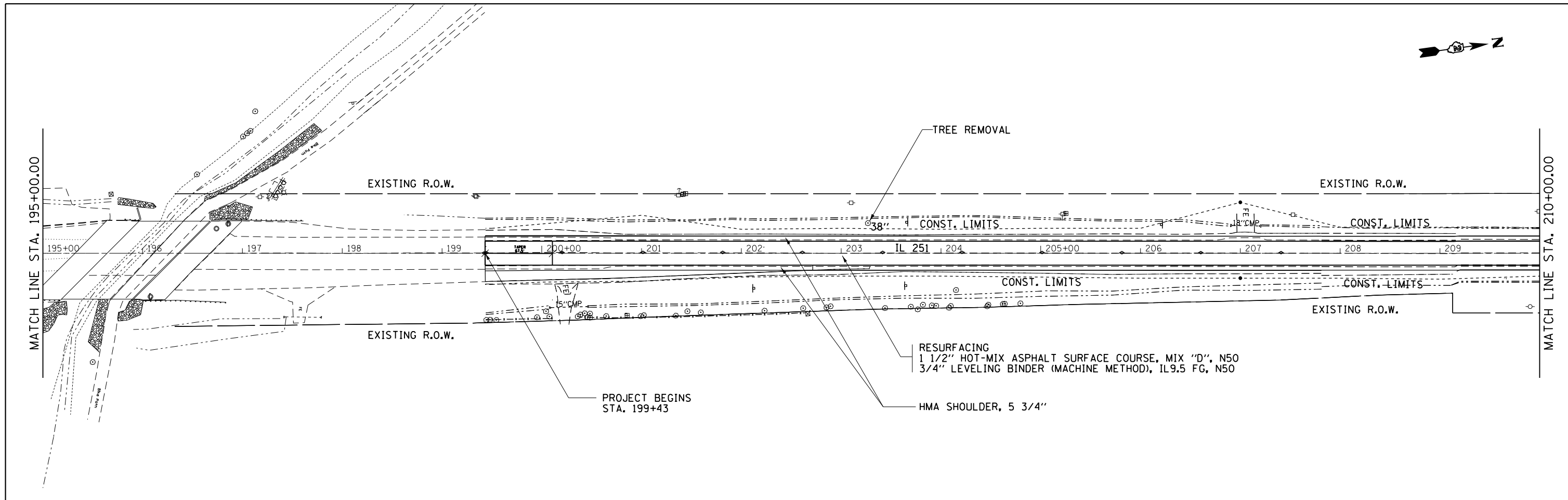
Location	Remarks	Length	Proposed Surface		**40600290	***40600627	40600982	***40603335	***40800050	44000158	
			Ave. Width	Sq Yd	Bit Materials Tack Coat (Mainline) Pound	Level Binder (MM) IL 9.5 FG N50 Ton	HMA Surface Removal Butt Joint Sq Yd	HMA Surf. Cse. Mix "D", N50 (Mainline) Ton	Incidental Hot-Mix 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

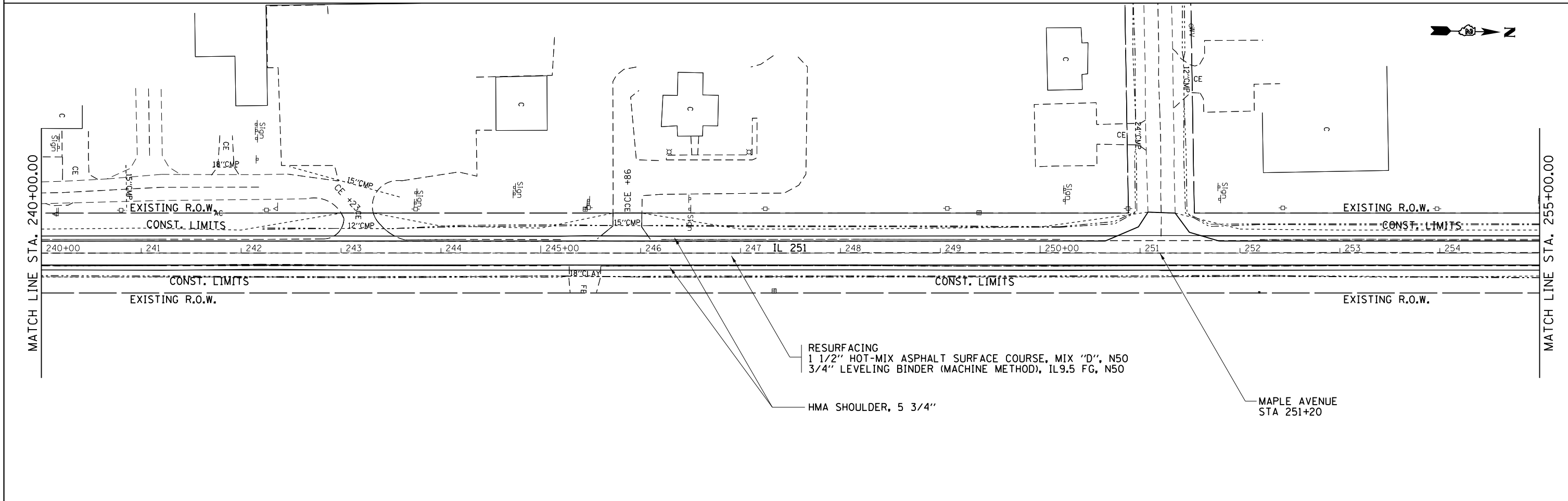
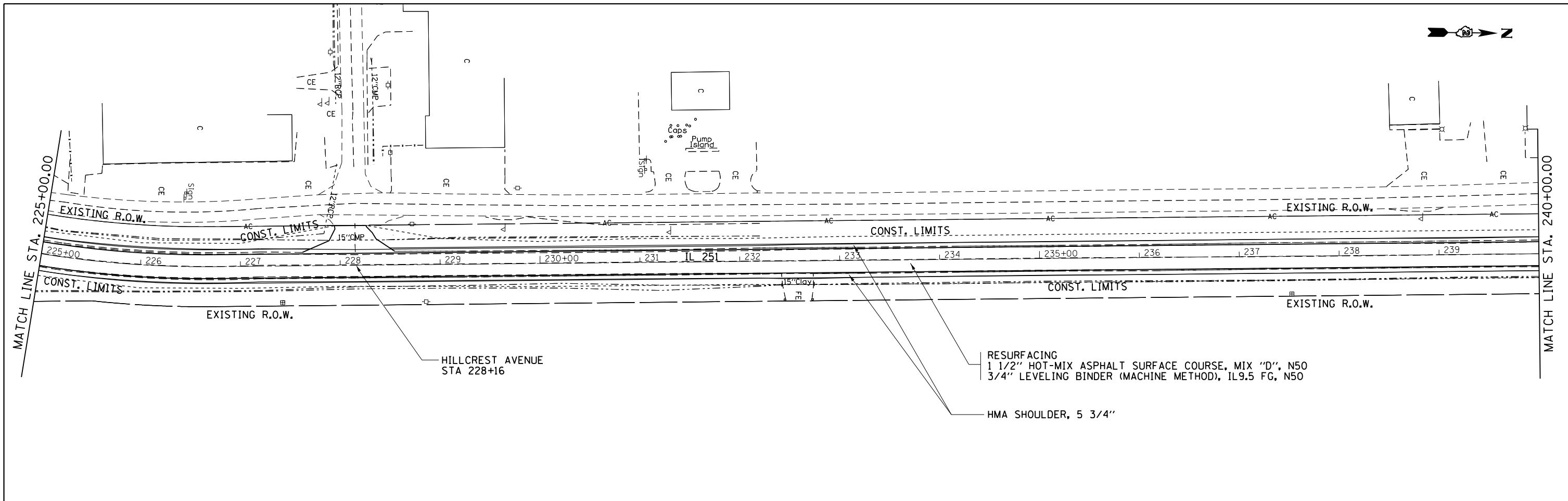
ENTRANCE SCHEDULE (CONTINUED)

LOCATION	REMARKS	LENGTH	AVE. WIDTH	SQ YD	***40800050	**40600290	48101200
					INCIDENTAL	BITUMINOUS	AGGREGATE
					BITUMINOUS SURFACING	MATLS TACK COAT	SHOULDERS TYPE B
					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

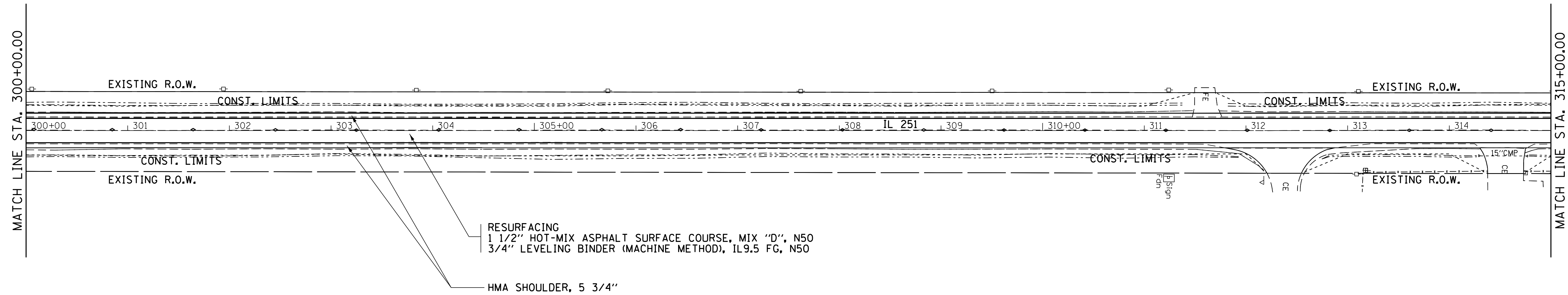
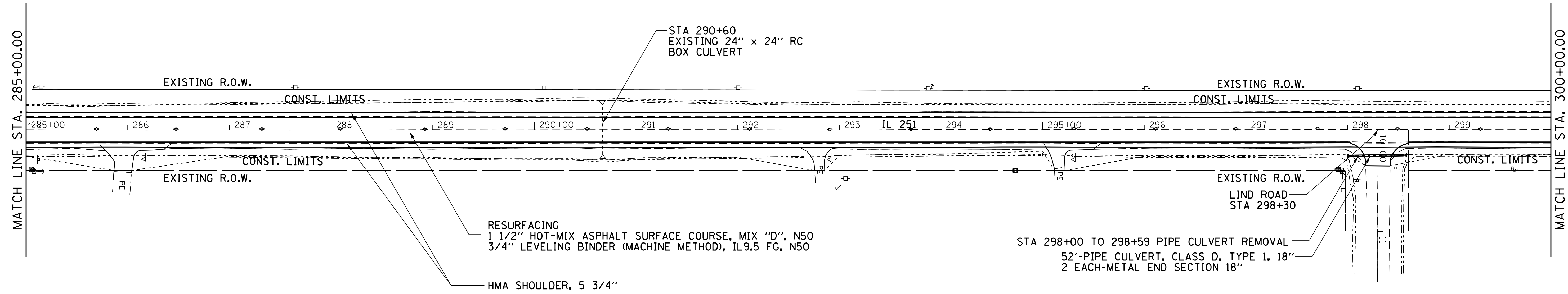
Location	Remarks	LENGTH	AVE. WIDTH	SqYd	***40800050	**40600290	48101200
					INCIDENTAL	BITUMINOUS	AGGREGATE
					BITUMINOUS SURFACING	MATLS TACK COAT	SHOULDERS TYPE B
					TON	POUND	TON
LT 574 + 62	MB	5	67	37.2	5.7	16.75	0.09
LT 594 + 17	PE	22	45	110.0	16.9	49.50	0.42
LT 595 + 39	PE	25	57	158.3	24.4	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					543.9	1589.4	11.0
TOTAL					1546	4517	34



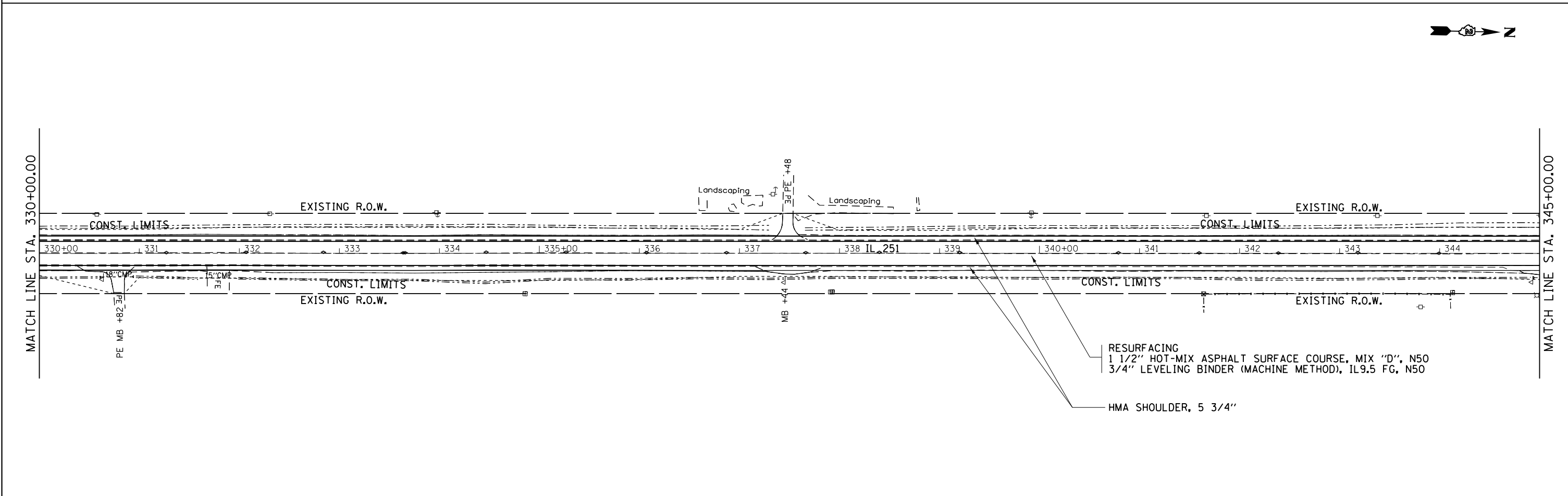
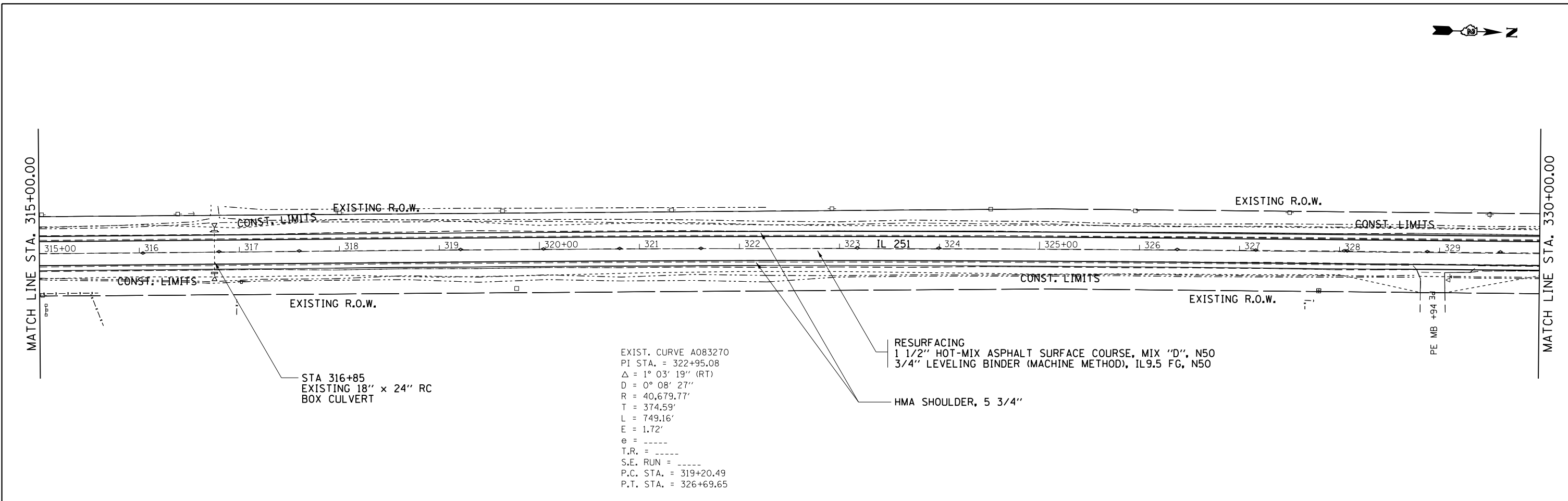
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PLOT DATE = May-04-2017 10:20:19 AM								ILLINOIS FED. AID PROJECT				



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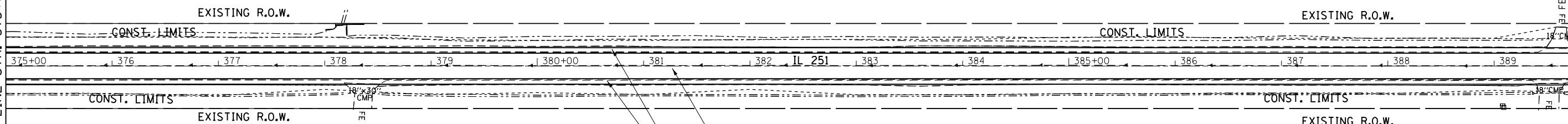


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MATCH LINE STA. 375+00.00

MATCH LINE STA. 390+00.00



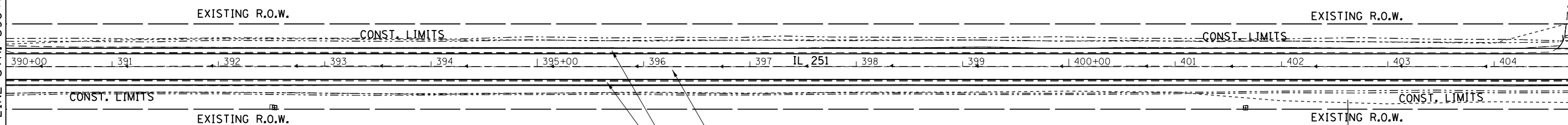
RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50

HMA SHOULDER, 5 3/4"



MATCH LINE STA. 390+00.00

MATCH LINE STA. 405+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"

TURN REINFORCEMENT MAT
 TEMPORARY EROSION CONTROL SEEDING
 TEMPORARY DITCH CHECKS

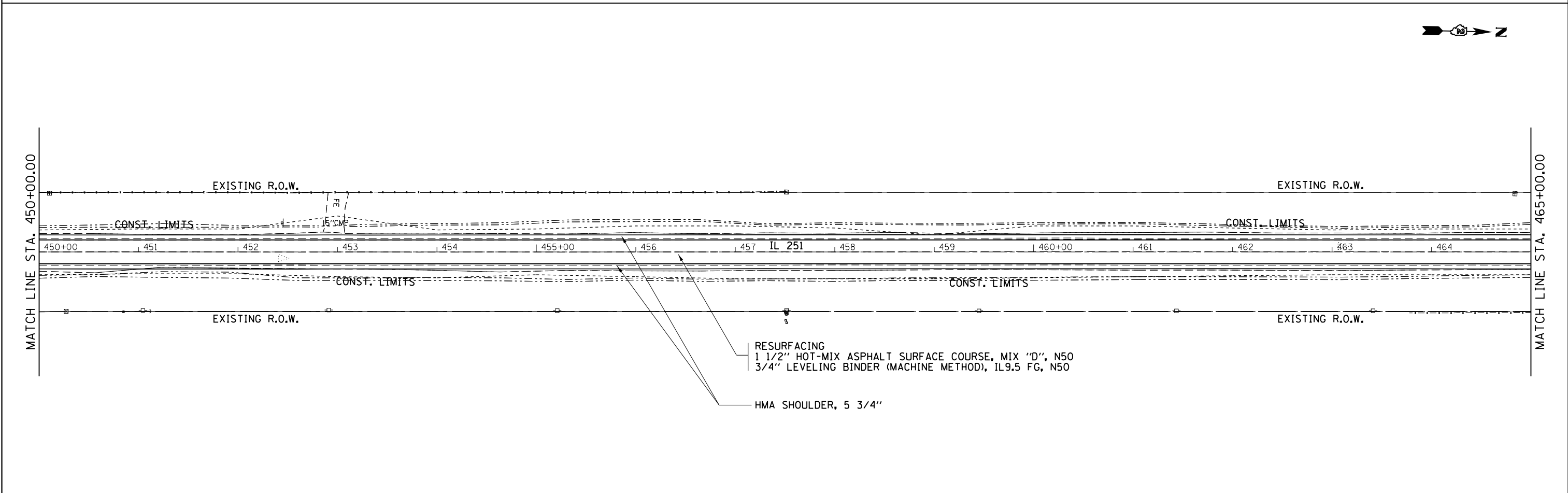
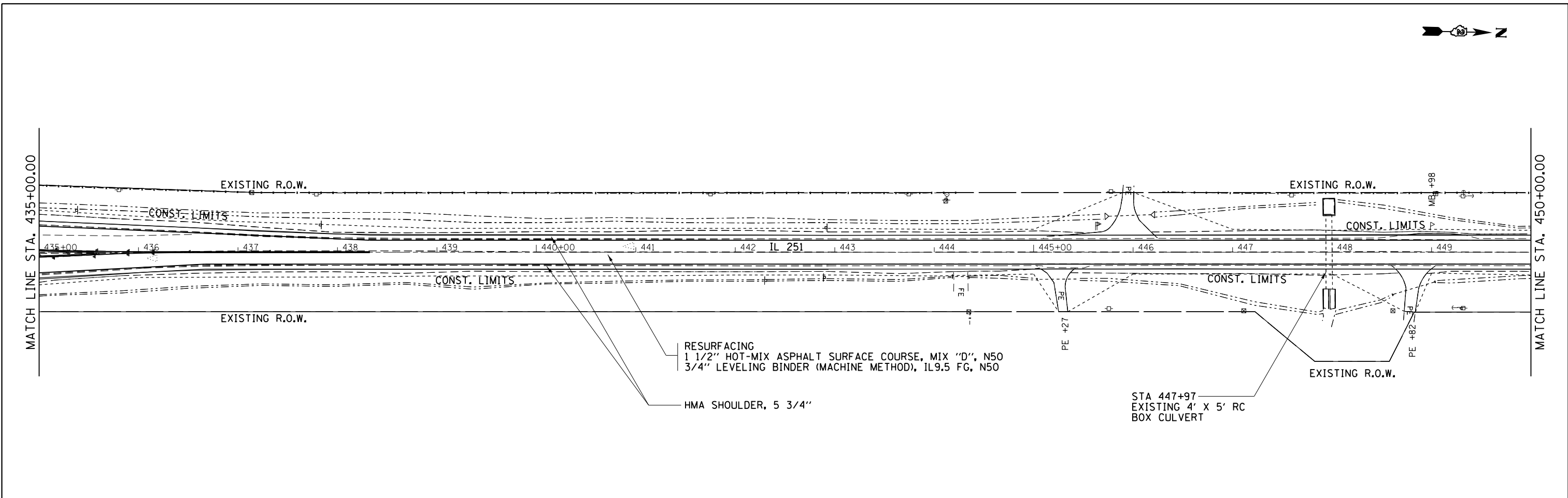
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

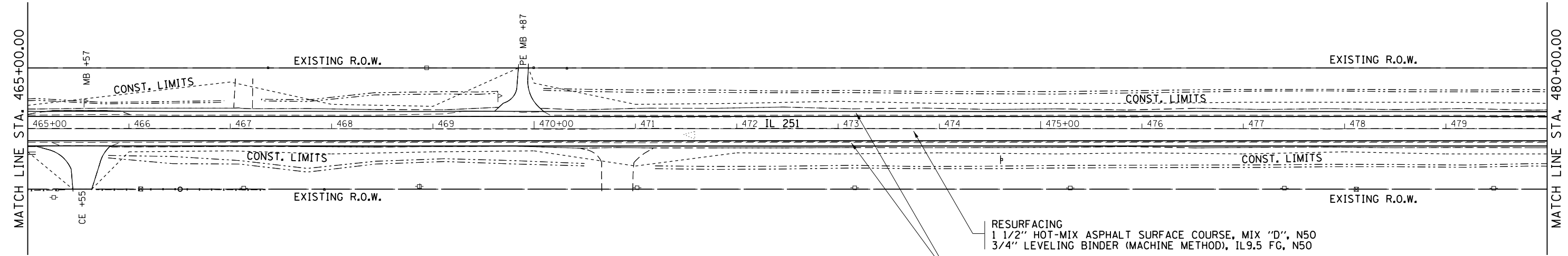
**IL ROUTE 251
 PLAN SHEETS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106.107) RS-5	OGLE	196	36
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	

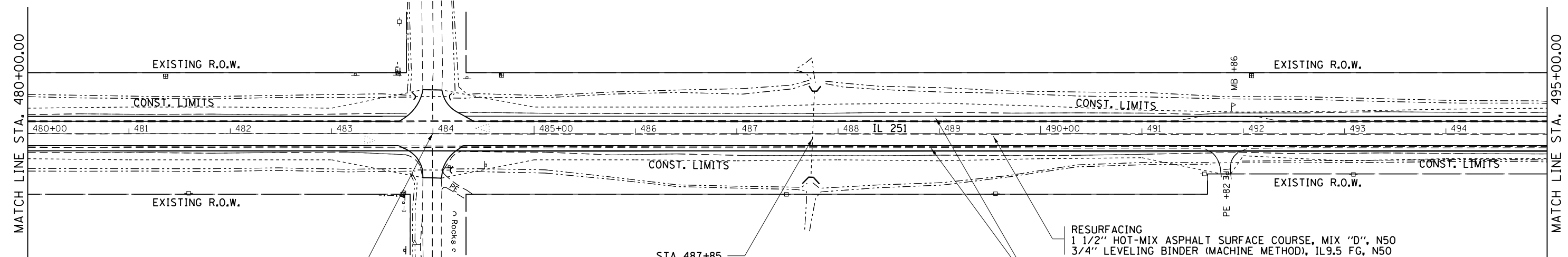


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						ILLINOIS FED. AID PROJECT					



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"



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"

MOWERS ROAD
 STA 484+00

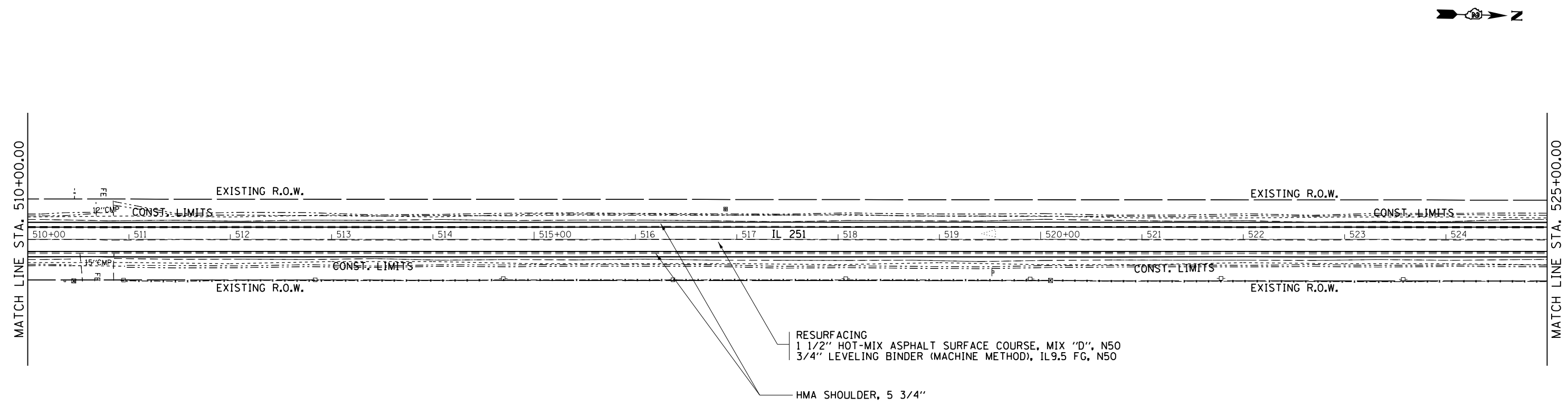
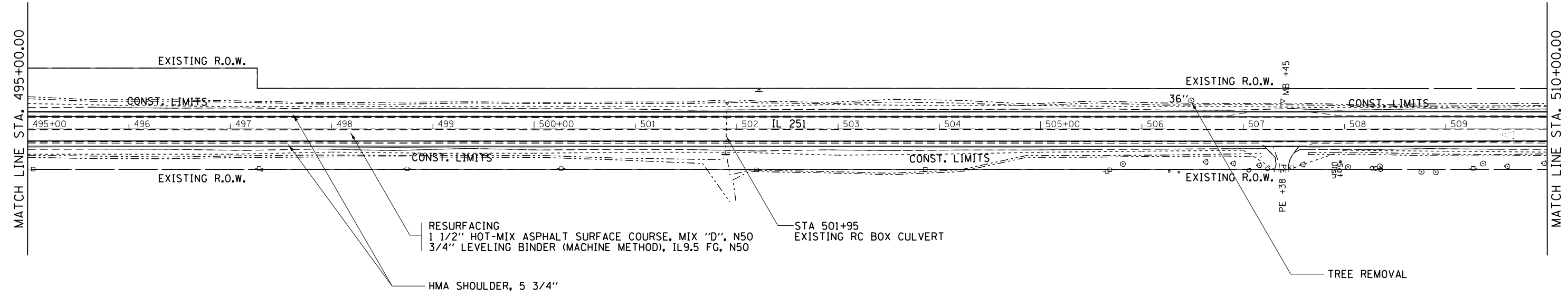
STA 487+85
 EXISTING 4' x 4' RC
 BOX CULVERT

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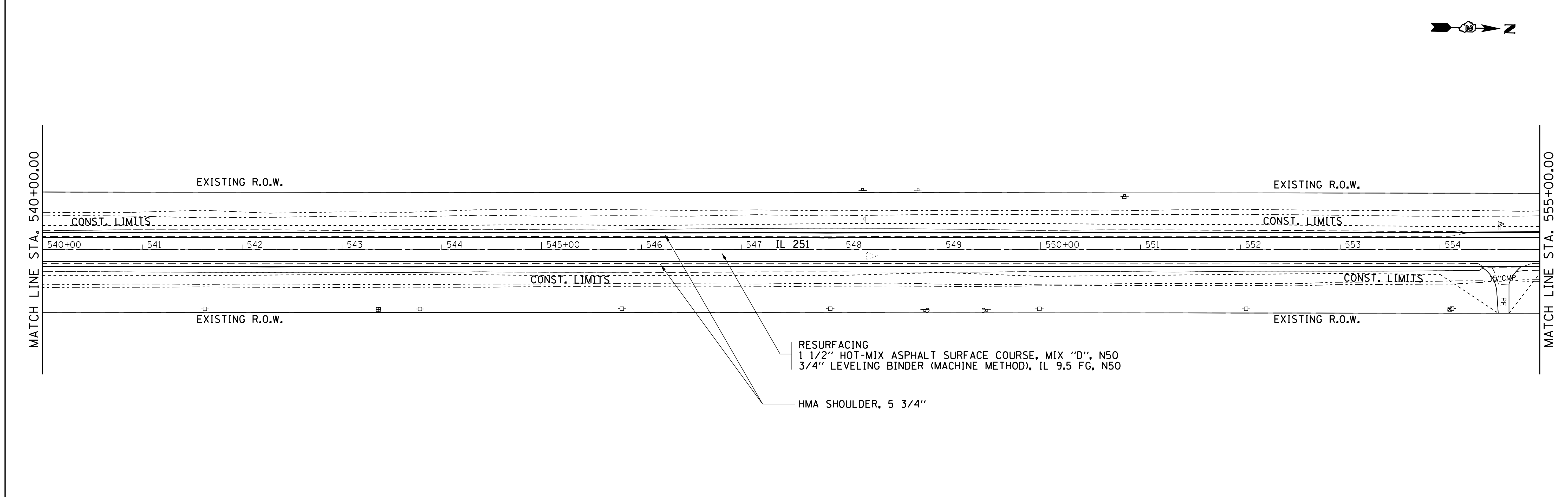
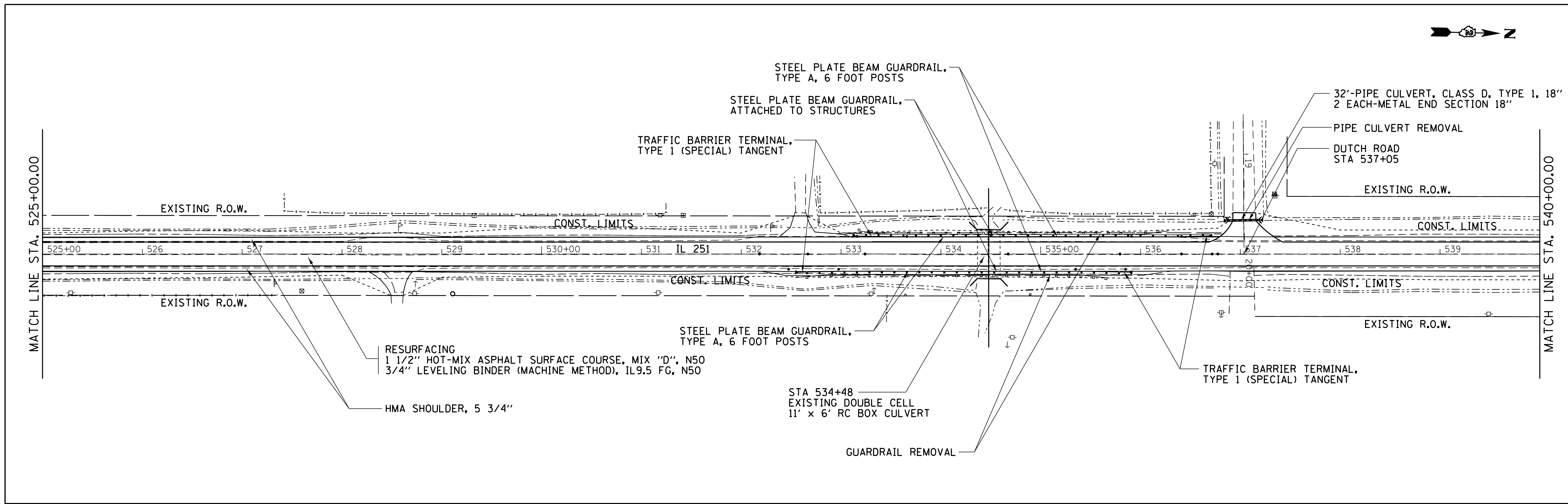
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

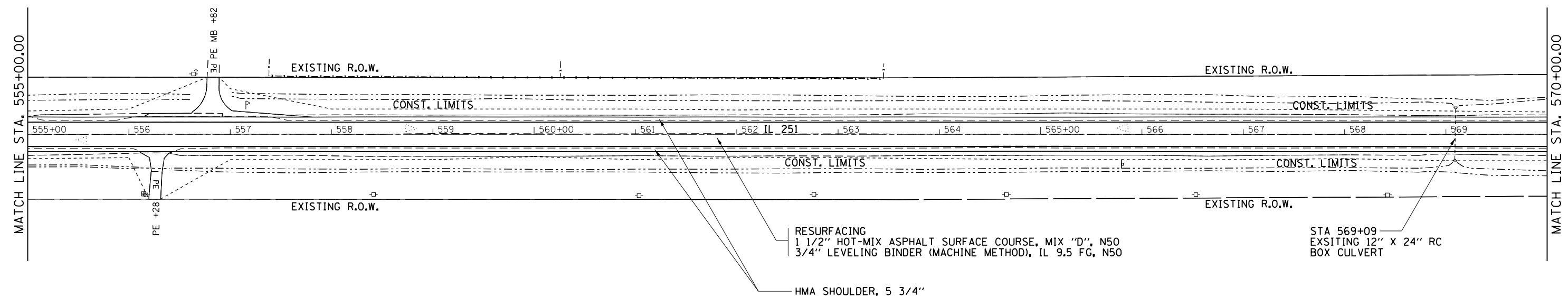
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CONTRACT NO. 64H61				ILLINOIS FED. AID PROJECT



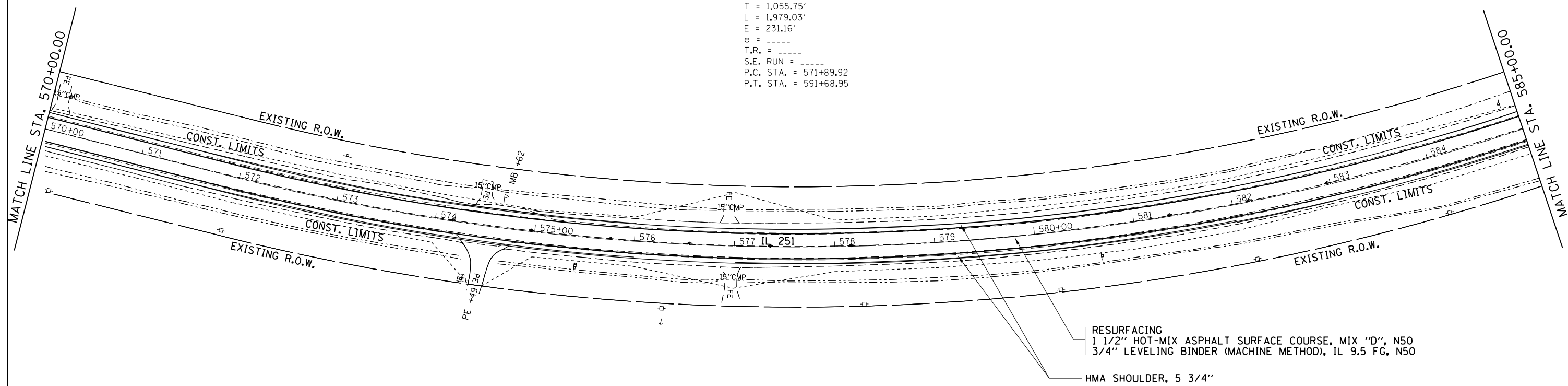
FILE NAME =	USER NAME = ankneyde	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS		F.A.S. RTE. 1042	SECTION (106,107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 40	
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\020833\Drawings\0203312-shr-pln-ds		CHECKED - _____	REVISED - _____		SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 64H61				
Default	PLOT SCALE = 100.0000' / in.	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT							
	PLOT DATE = May-04-2017 10:20:26 AM											



FILE NAME =	USER NAME = ankneide	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS	F.A.S. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
p:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\0208\DRAWING\AD\AD sheets\0203312-sht-plans.dwg	DESIGNED -	REVISED -	1042			(106,107) RS-5	OGLE	196	41	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	CONTRACT NO. 64H61							
Default	PLOT DATE = Jan-24-2018 02:11:38 PM	DATE -	ILLINOIS FED. AID PROJECT							
				SCALE: SHEET OF SHEETS STA. TO STA.						

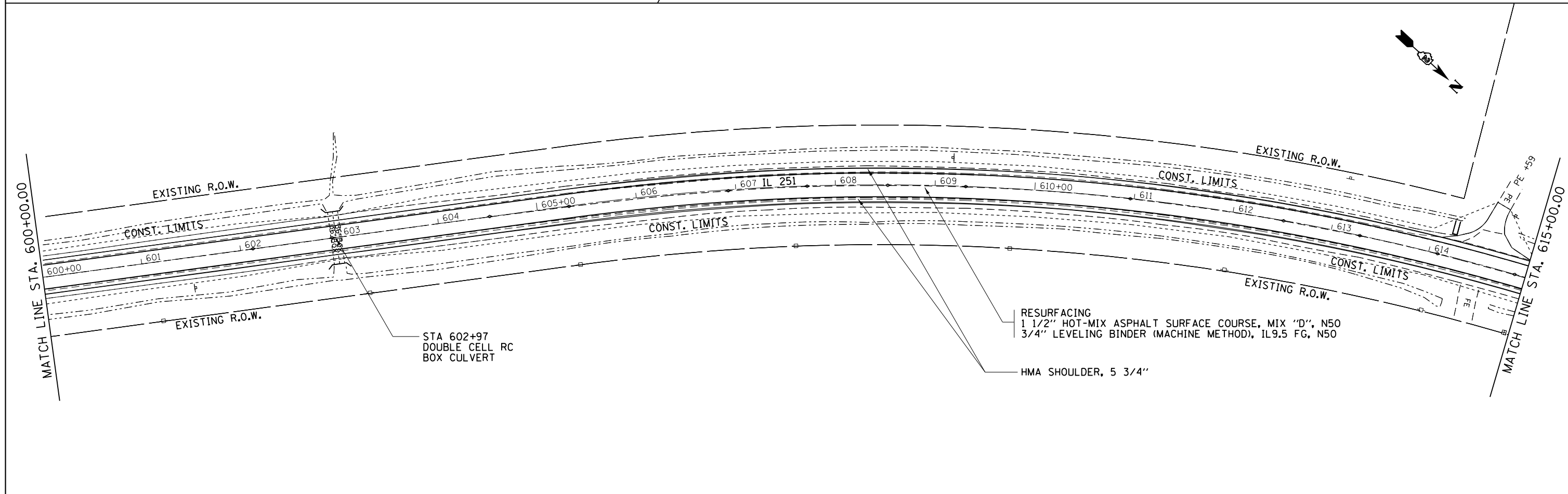
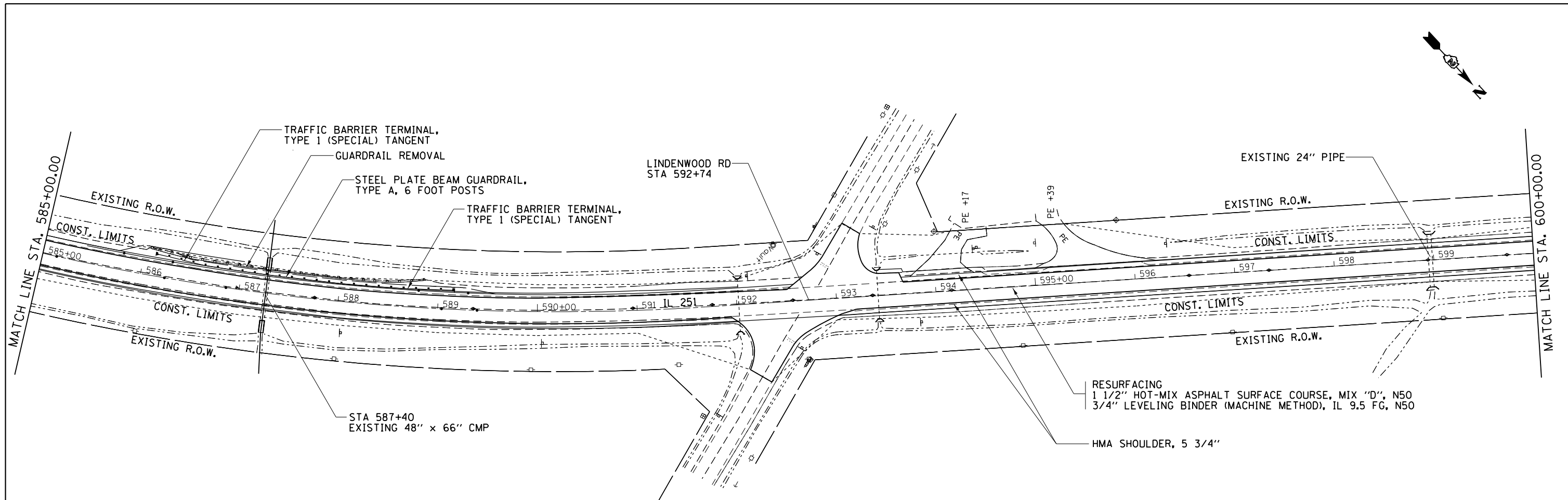


EXIST. CURVE A012210
 PI STA. = 582+45.66
 Δ = 49° 24' 02" (LT)
 D = 2° 29' 46"
 R = 2,295.32'
 T = 1,055.75'
 L = 1,979.03'
 E = 231.16'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 571+89.92
 P.T. STA. = 591+68.95

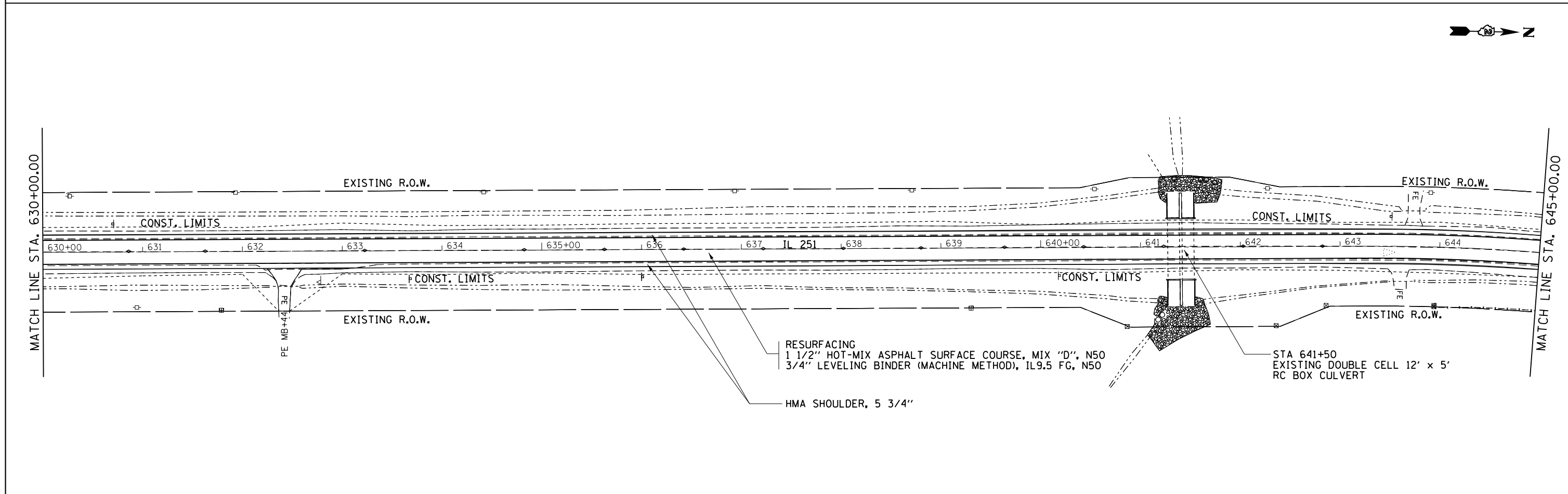
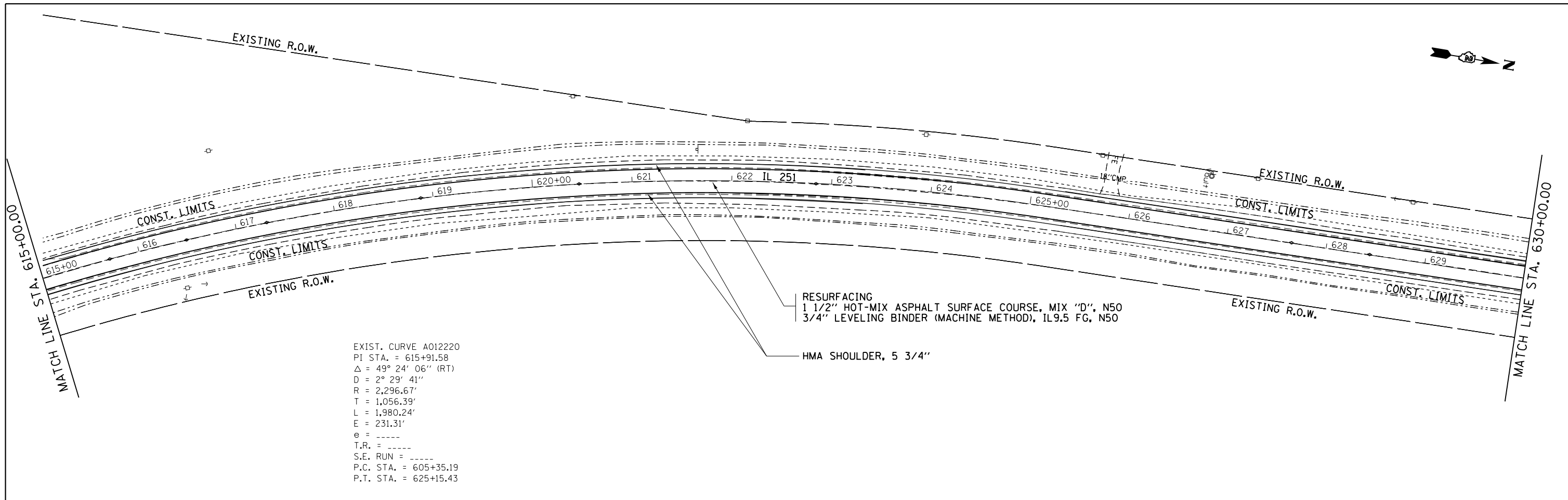


RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N50
 HMA SHOULDER, 5 3/4"

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251		F.A.S. RT. 1042	SECTION (106,107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 42	
DRAWN					PLAN SHEETS		CONTRACT NO. 64H61		ILLINOIS FED. AID PROJECT			
PLOT SCALE = 100.0000' / in.					CHECKED -	REVISED -	SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____
PLOT DATE = May-04-2017 10:20:27 AM					DATE -	REVISED -						

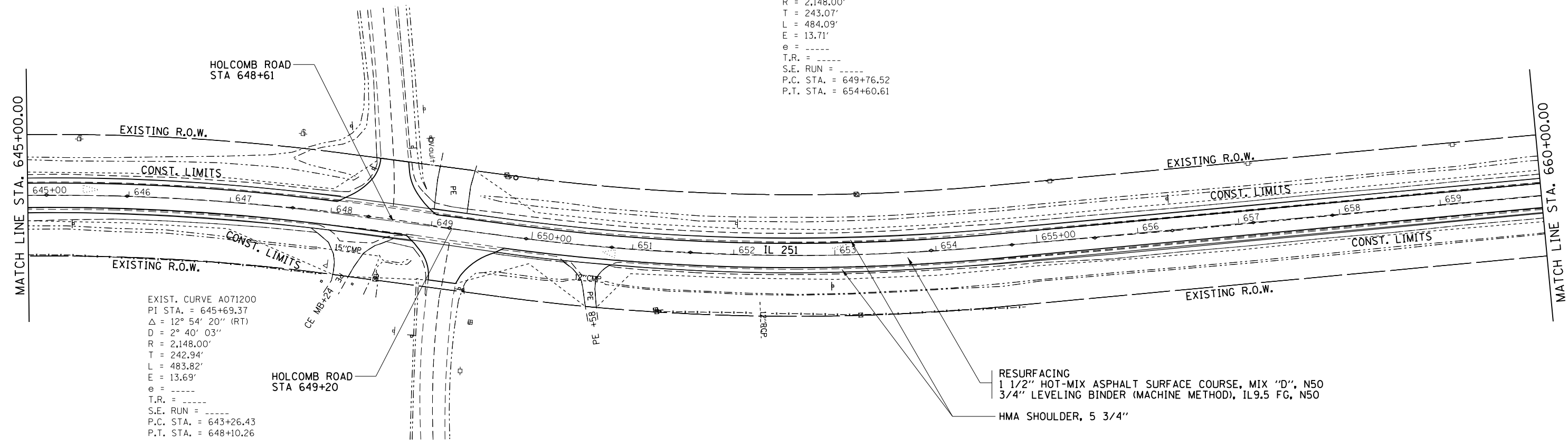


FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\02083312\Drawings\02083312-shr-plan.dwg		CHECKED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



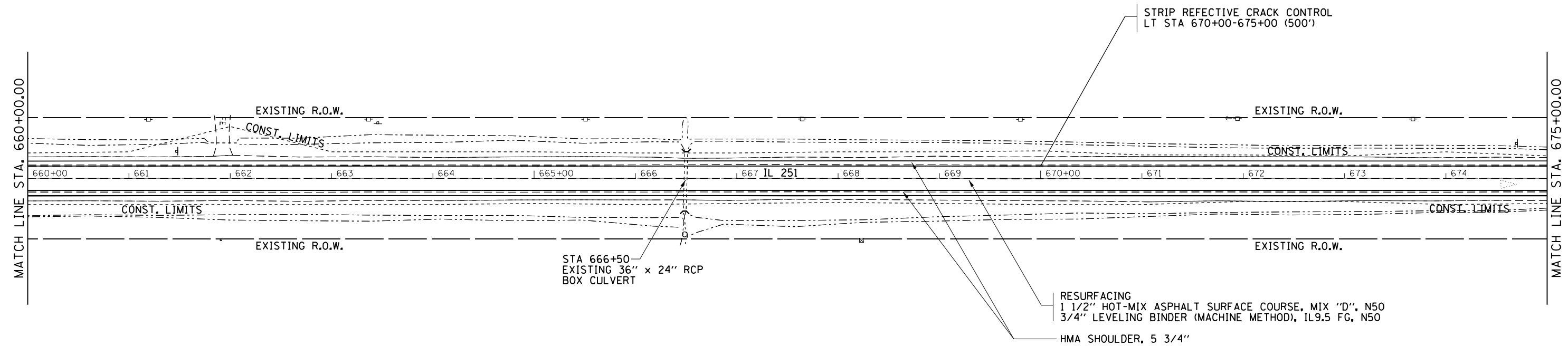
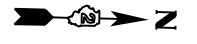
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251 PLAN SHEETS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\020312\Drawings\0203312-sht-pln-ds		CHECKED -	REVISED -		SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	1042	(106,107) RS-5	OGLE	196	44
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -					CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	
	PLOT DATE = May-04-2017 10:20:28 AM											

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

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"

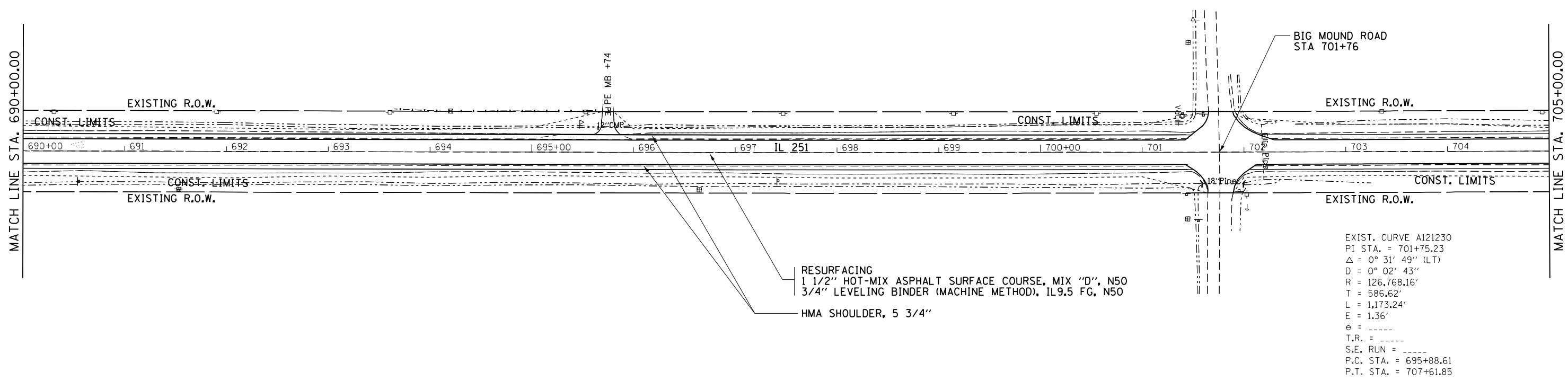
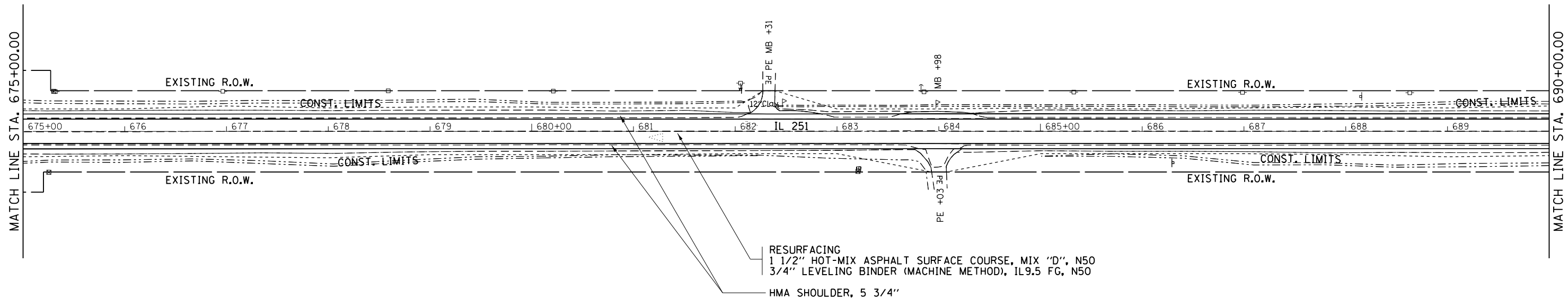
STRIP REFLECTIVE CRACK CONTROL
 LT STA 670+00-675+00 (500')

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\020833\Drawings\0203312-sht-plan.dwg		DRAWN -	REVISED -
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Default	PLOT DATE = May-04-2017 10:20:29 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	45
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	



EXIST. CURVE A121230
 PI STA. = 701+75.23
 Δ = $0^{\circ} 31' 43''$ (LT)
 D = $0^{\circ} 02' 43''$
 R = 126,768.16'
 T = 586.62'
 L = 1,173.24'
 E = 1.36'
 e =
 $T.R.$ =
 $S.E. RUN$ =
 $P.C. STA.$ = 695+88.61
 $P.T. STA.$ = 707+61.85

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\02083\DRAWING\CADsheets\0203312-shr-plan.dwg			
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = May-04-2017 10:20:30 AM	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

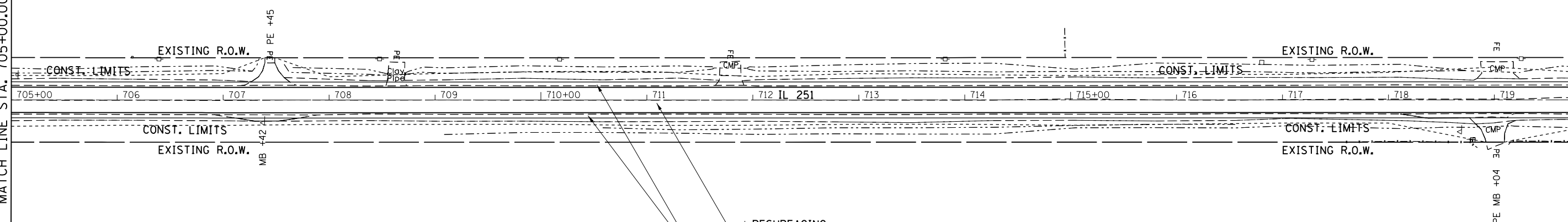
IL ROUTE 251			
PLAN SHEETS			
SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106,107) RS-5	OGLE	196	46
			CONTRACT NO. 64H6J	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 705+00.00

MATCH LINE STA. 720+00.00

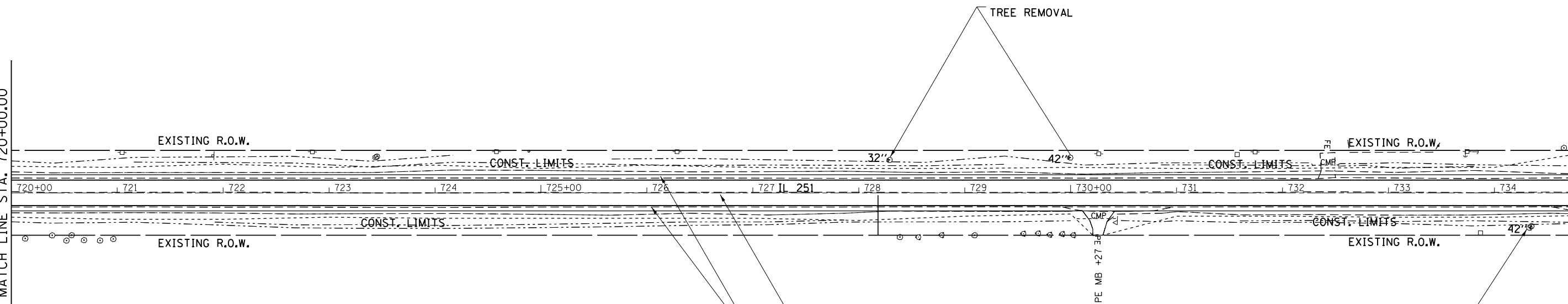


RESURFACING
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 3/4" LEVELING BINDER (MACHINE METHOD), IL9.5 FG, N50
 HMA SHOULDER, 5 3/4"



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

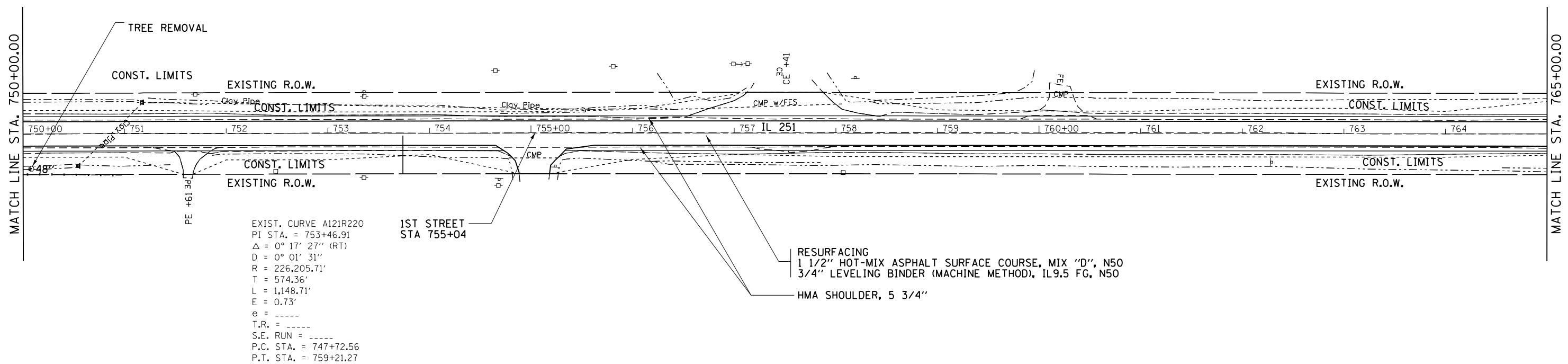
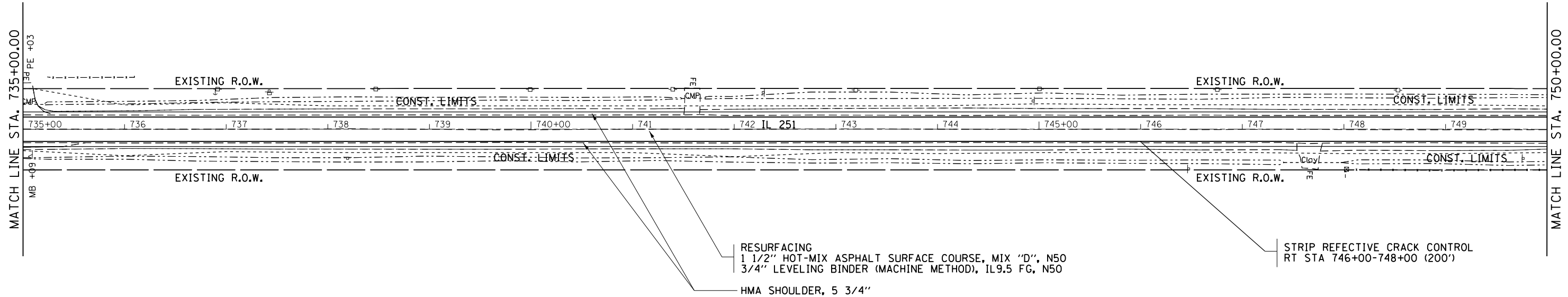
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Default	PLOT DATE = May-04-2017 10:20:30 AM	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 251
PLAN SHEETS

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

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

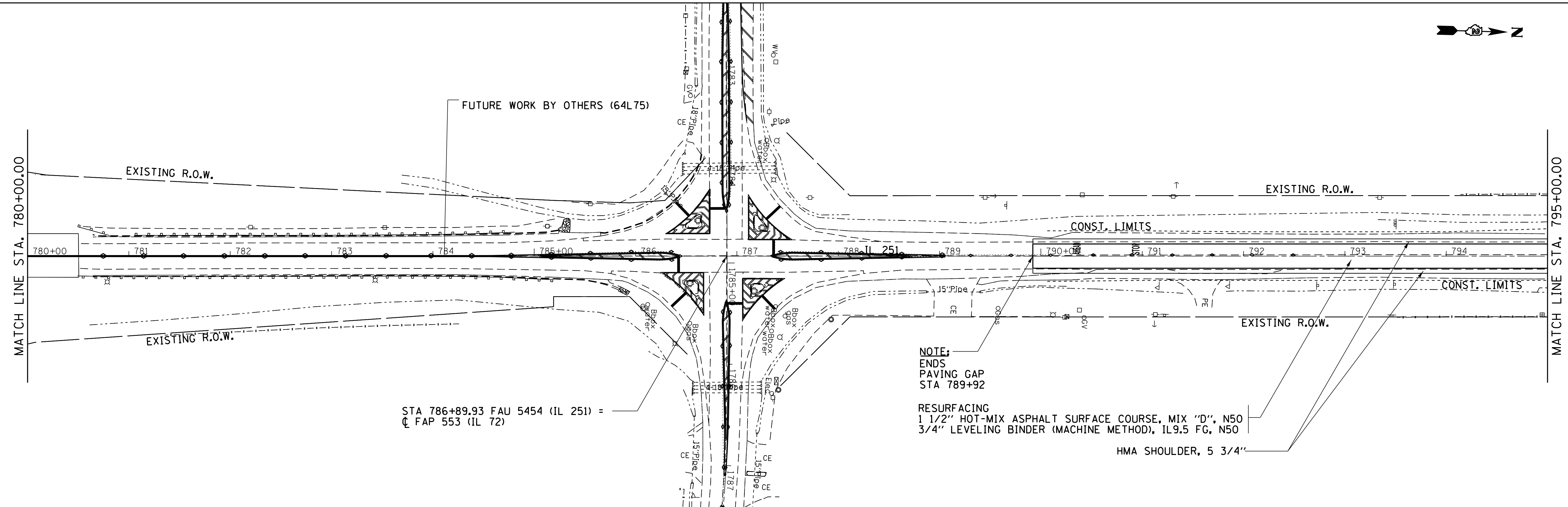
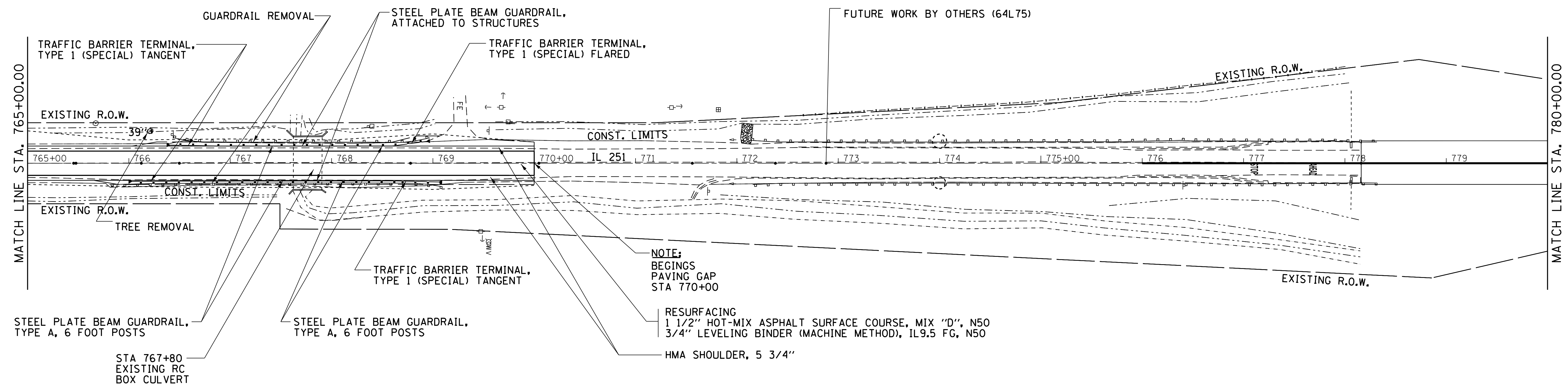


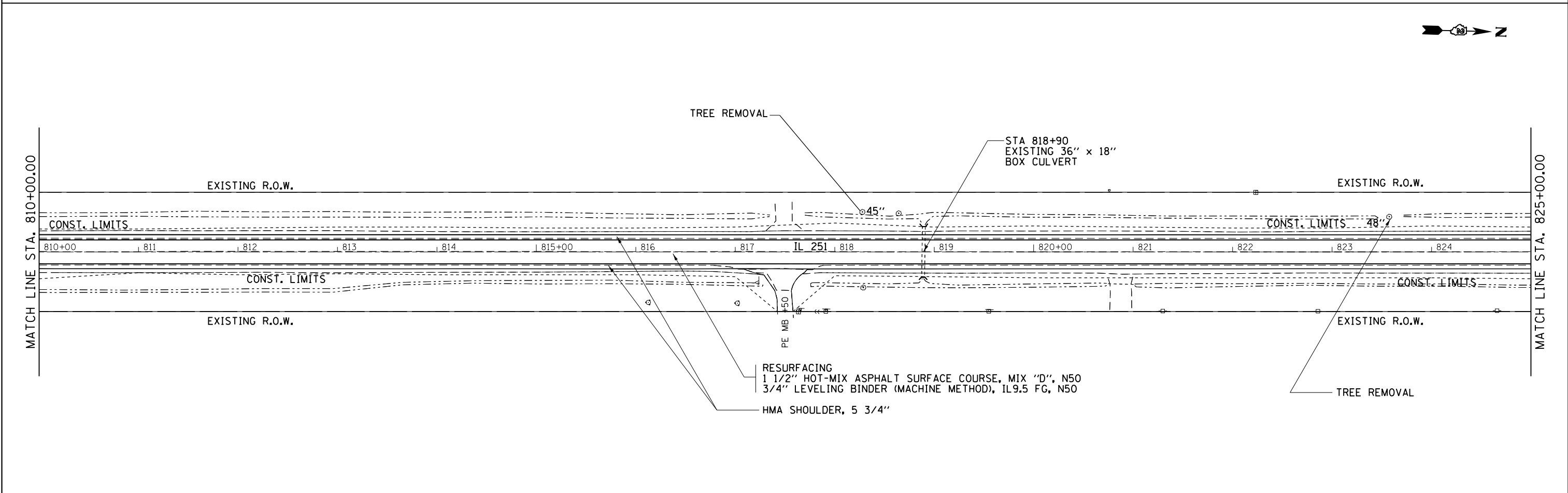
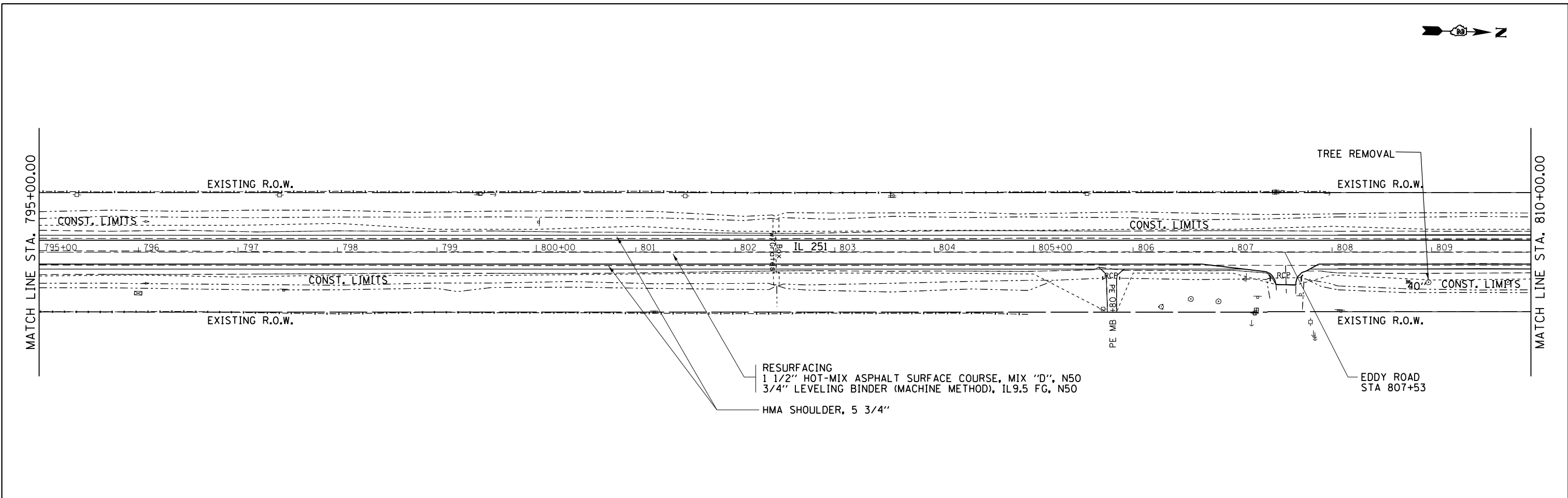
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Default	PLOT DATE = May-04-2017 10:20:31 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

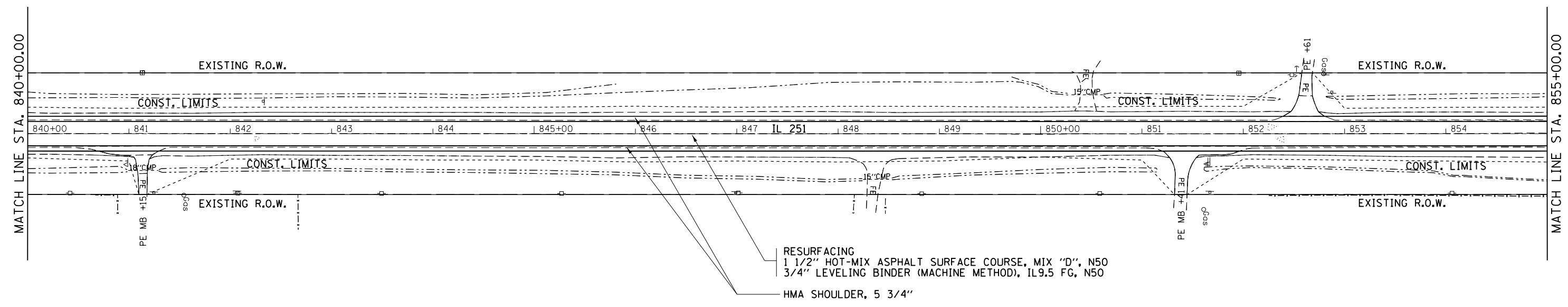
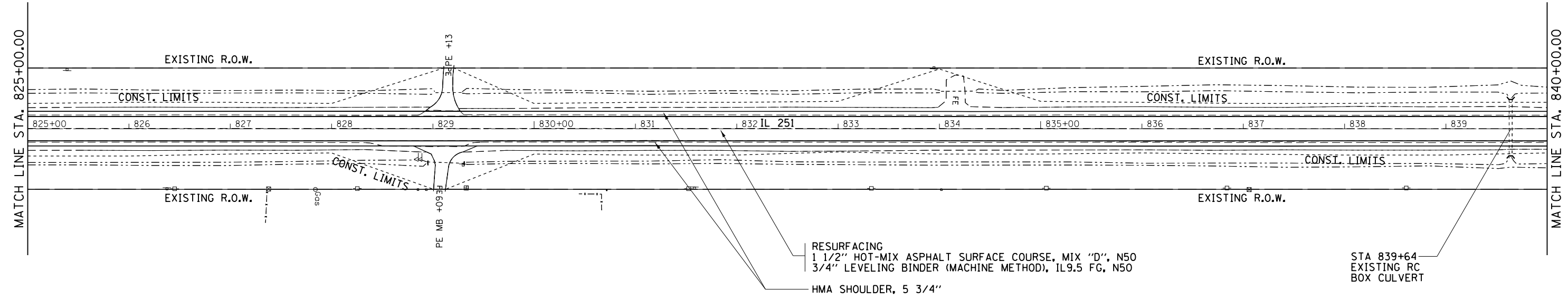
IL ROUTE 251			
PLAN SHEETS			
SCALE: _____	SHEET _____	OF _____ SHEETS	STA. _____ TO STA. _____

F.A.S. RTE. 1042	SECTION (106.107) RS-5	COUNTY OGLE	TOTAL SHEETS 196	SHEET NO. 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.
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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						



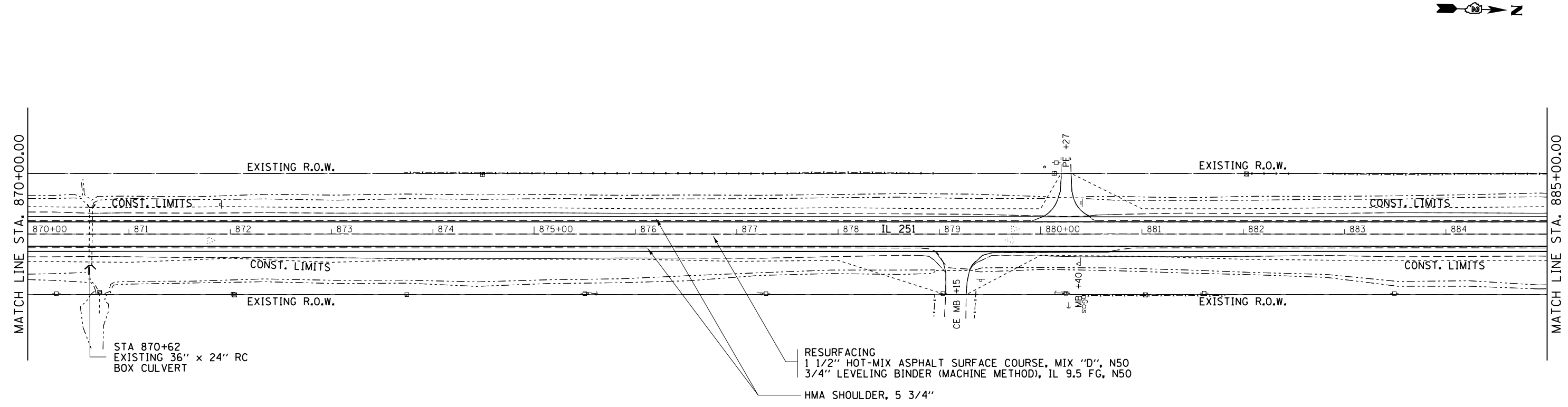
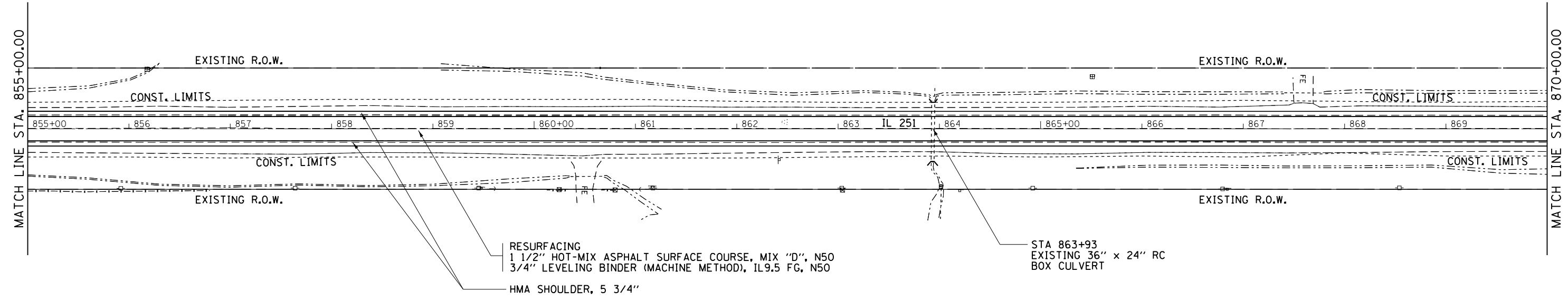
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Default	PLOT DATE = May-04-2017 10:20:33 AM	DATE -	REVISED -

**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	51
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	



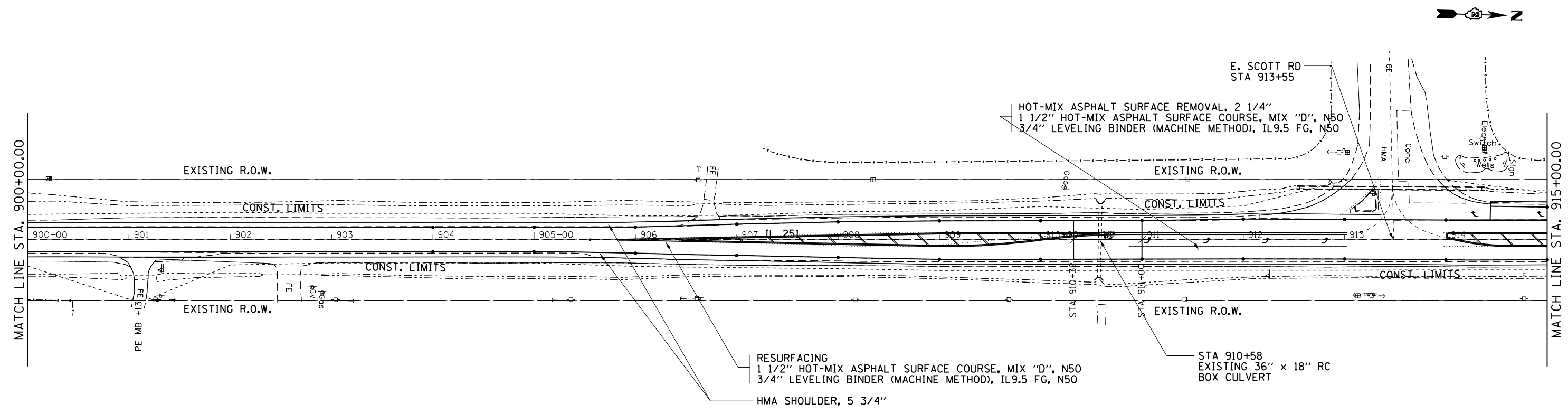
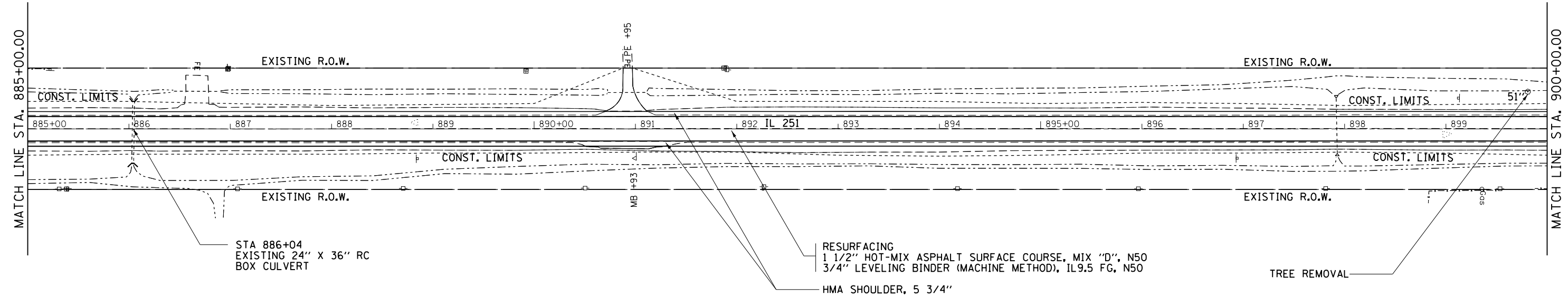
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Default	PLOT DATE = May-04-2017 10:20:34 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 251
PLAN SHEETS**

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

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



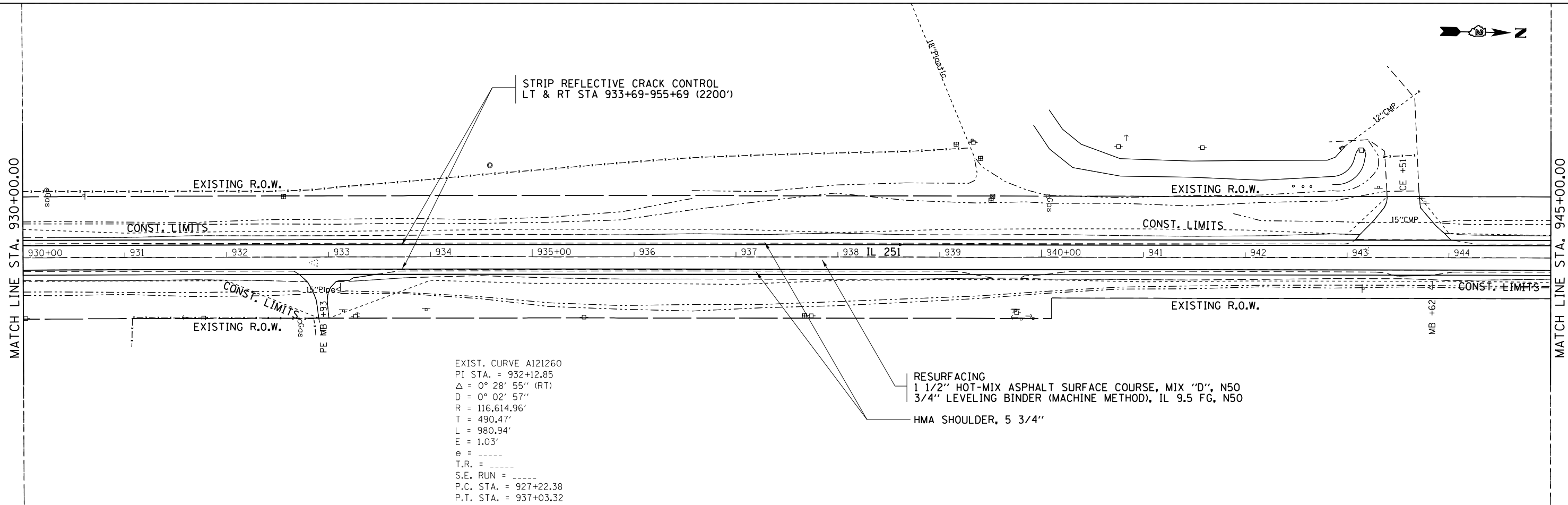
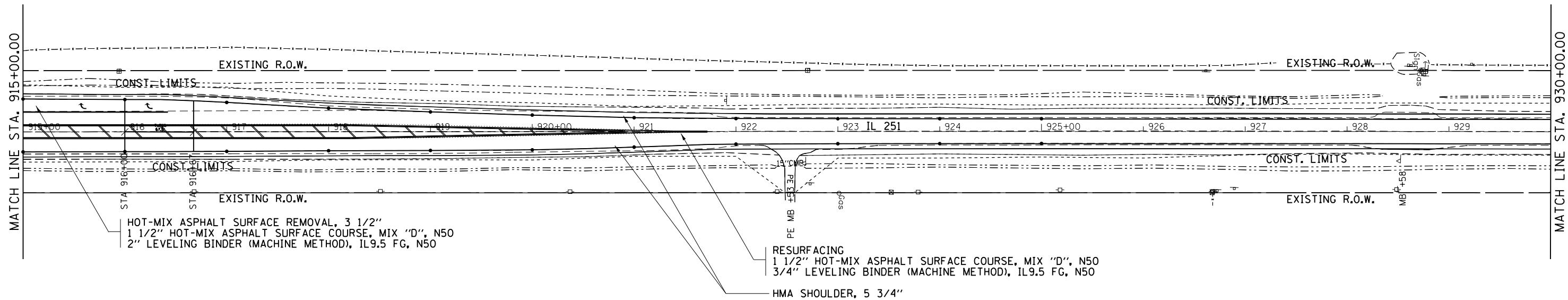
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = May-04-2017 10:20:34 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 251
PLAN SHEETS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106,107) RS-5	OGLE	196	53
CONTRACT NO. 64H6J			ILLINOIS FED. AID PROJECT	



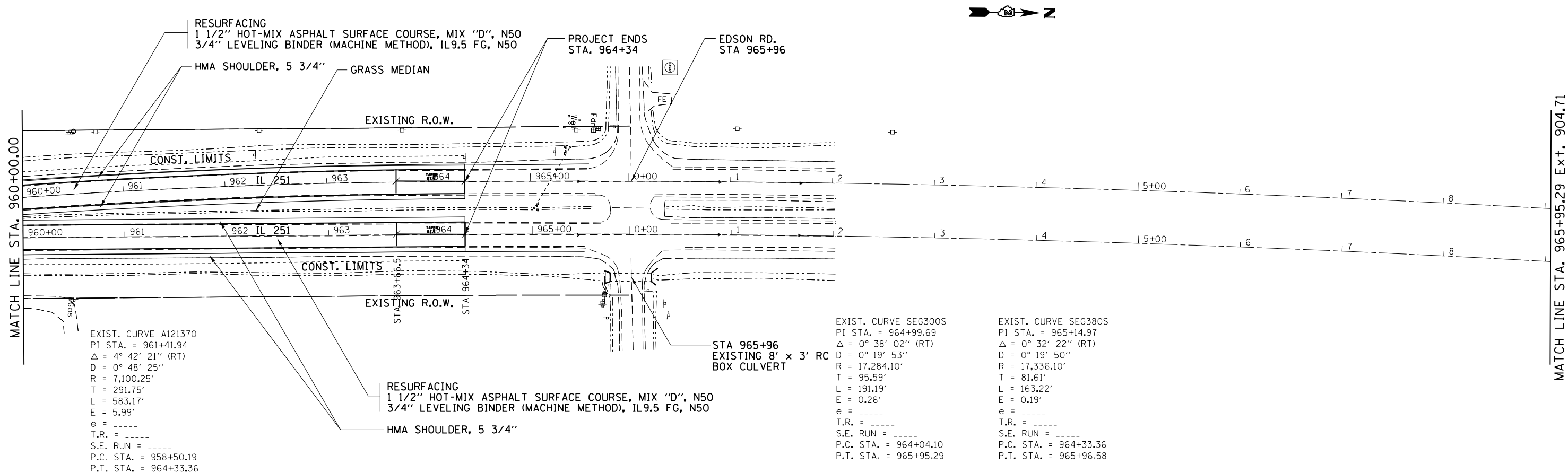
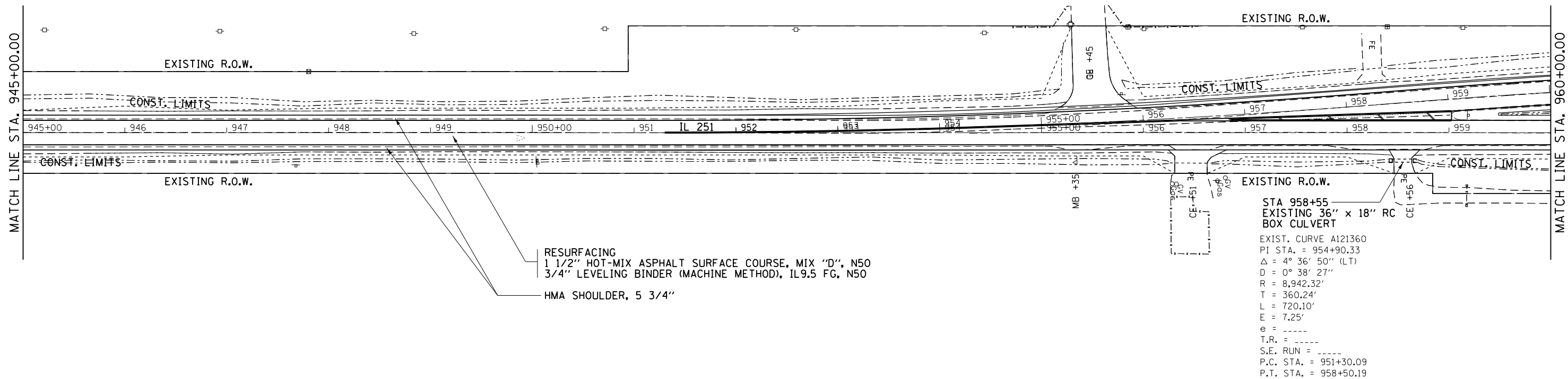
EXIST. CURVE A121260
 PI STA. = 932+12.85
 $\Delta = 0^\circ 28' 55''$ (RT)
 $D = 0^\circ 02' 57''$
 $R = 116,614.96'$
 $T = 490.47'$
 $L = 980.94'$
 $E = 1.03'$
 $e = \text{----}$
 $T.R. = \text{----}$
 $S.E. RUN = \text{----}$
 $P.C. STA. = 927+22.38$
 $P.T. STA. = 937+03.32$

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

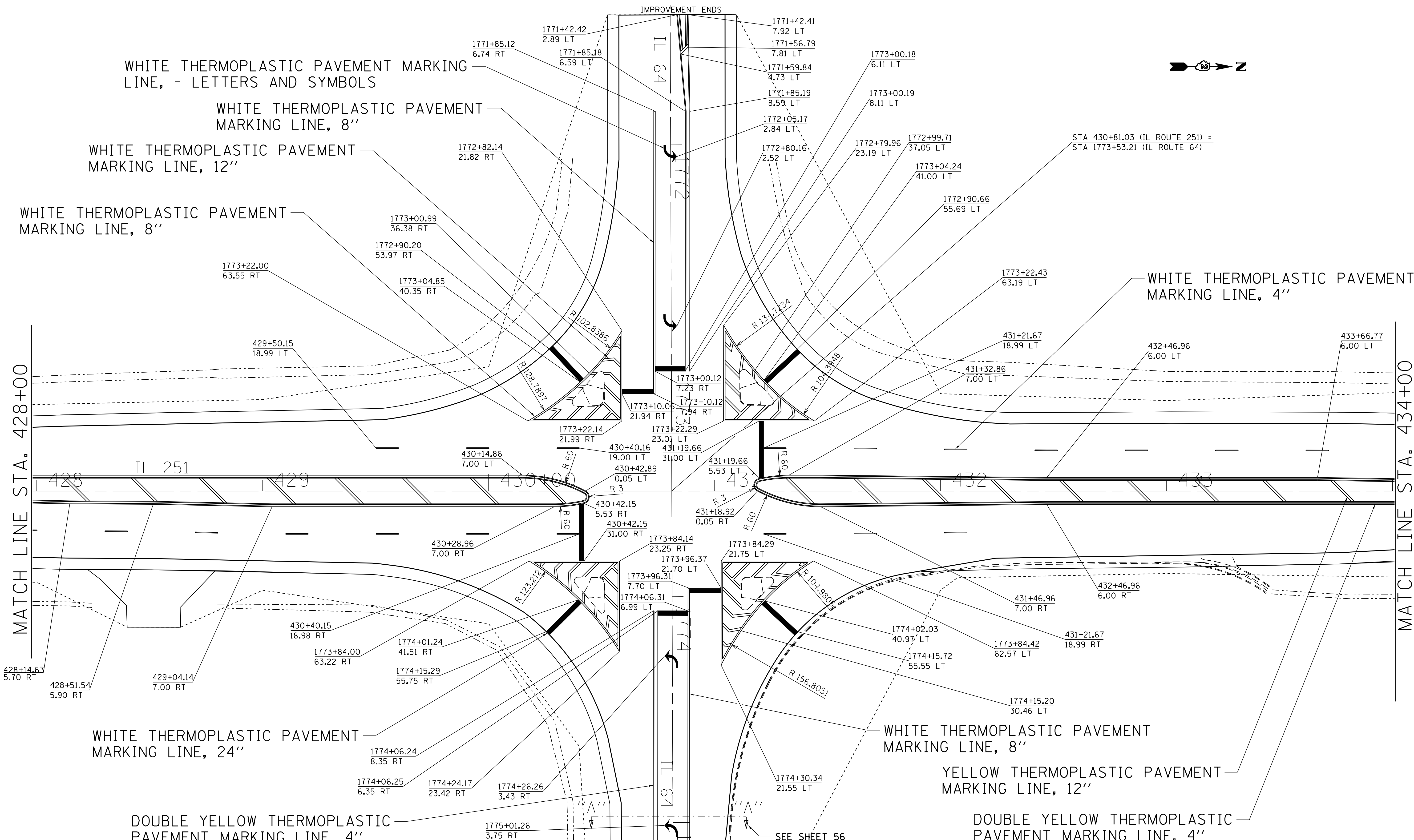
IL ROUTE 251	
PLAN SHEETS	
SCALE: _____	SHEET _____ OF _____ SHEETS
STA. _____	TO STA. _____

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



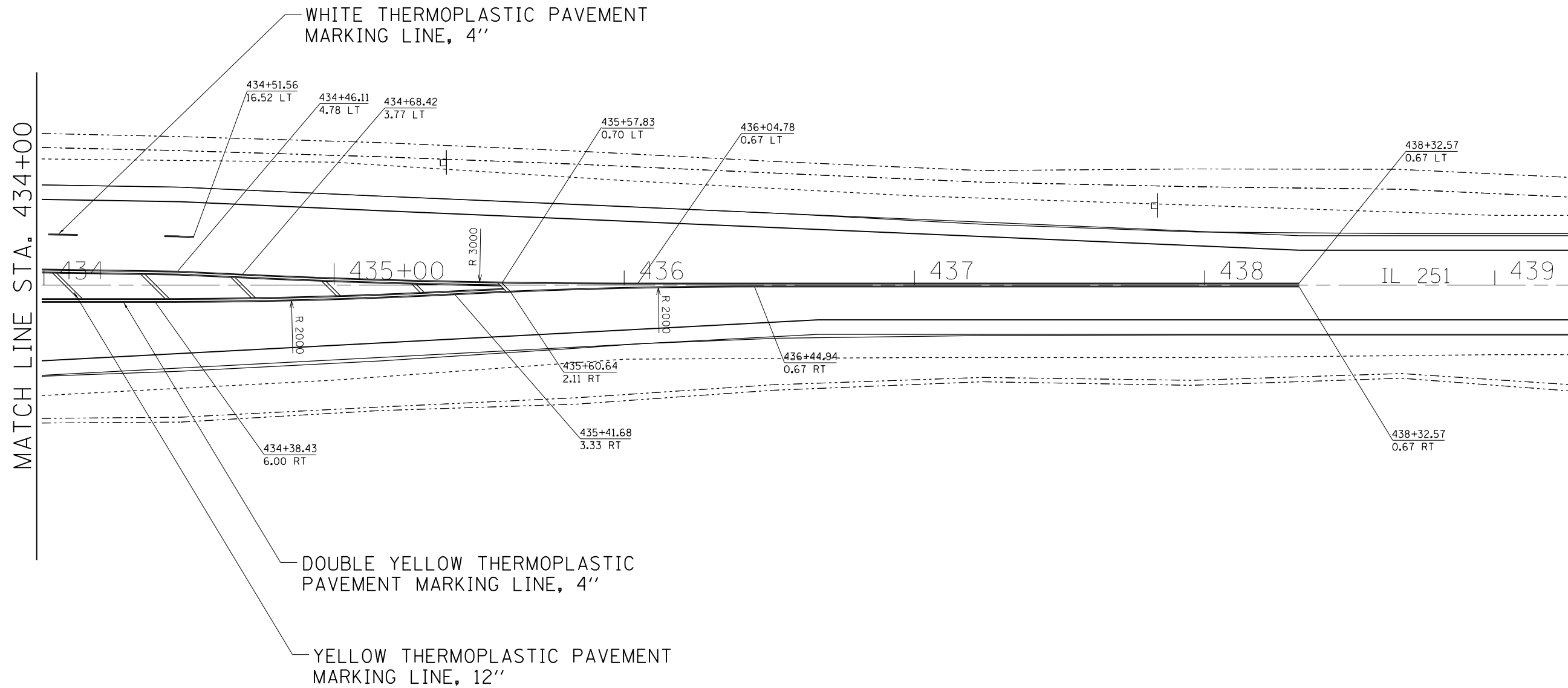
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 251		F.A.S. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 64H6J	
PLOT DATE = May-04-2017 10:20:37 AM					ILLINOIS FED. AID PROJECT							

PAVEMENT MARKING DETAILS



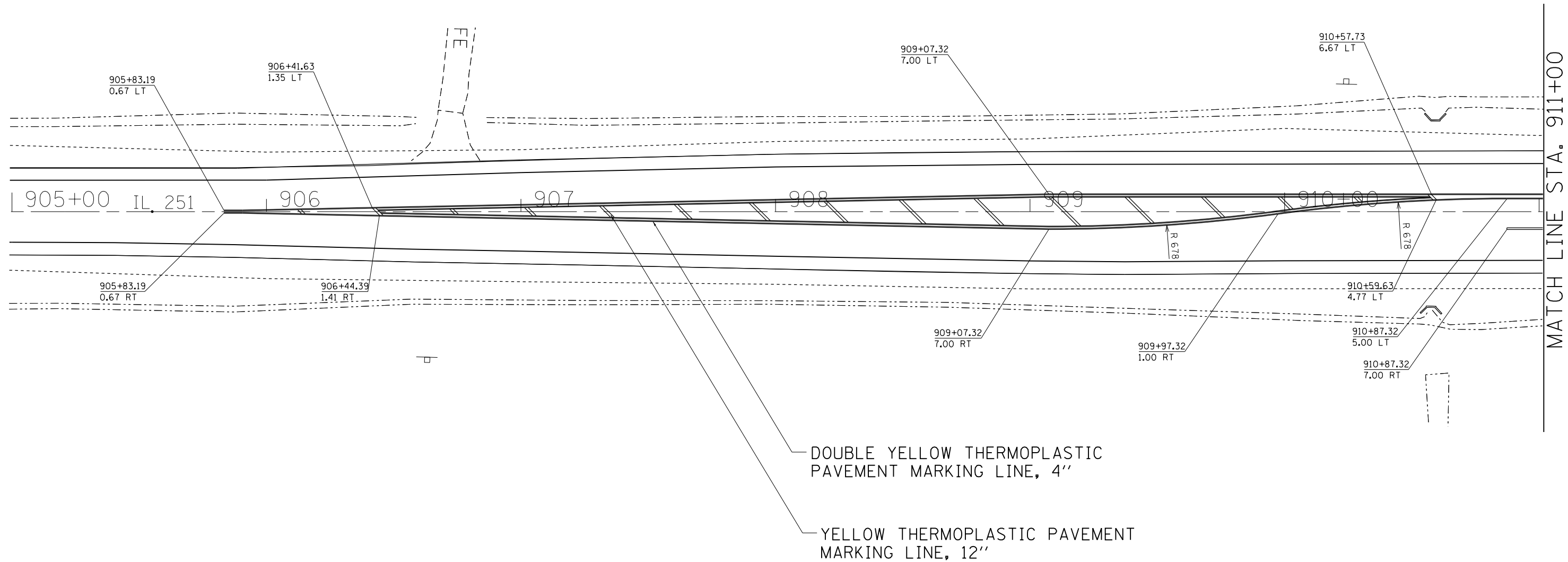
FILE NAME = p:\1\084EBID\INTEG\11\inois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\02018\02018\02018\1042\Drawings\1042-PAVEMENT MARKING DETAILS.dwg			USER NAME = onkneyde			DESIGNED -			REVISED -			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			IL 251 & IL 64 PAVEMENT MARKING DETAILS			SECTION (106,107) RS-5		COUNTY OGLE		TOTAL SHEETS 193		SHEET NO. 57	
DRAWN -			CHECKED -			REVISED -			SCALE: 1"=40'		SHEET OF SHEETS				STA. TO STA.		CONTRACT NO. 64H61								
PLOT SCALE = 20.0000' / in.			DATE -			REVISED -			ILLINOIS FED. AID PROJECT																
PLOT DATE = Jan-24-2018 02:54:19 PM			DATE -			REVISED -																			

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-shd-pmk.dwg		DRAWN -	REVISED -		1042	(106.107) RS-5	OGLE	193	58	CONTRACT NO. 64H61			
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:			SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
	PLOT DATE = May-04-2017 10:58:44 AM	DATE -	REVISED -										

PAVEMENT MARKING DETAILS



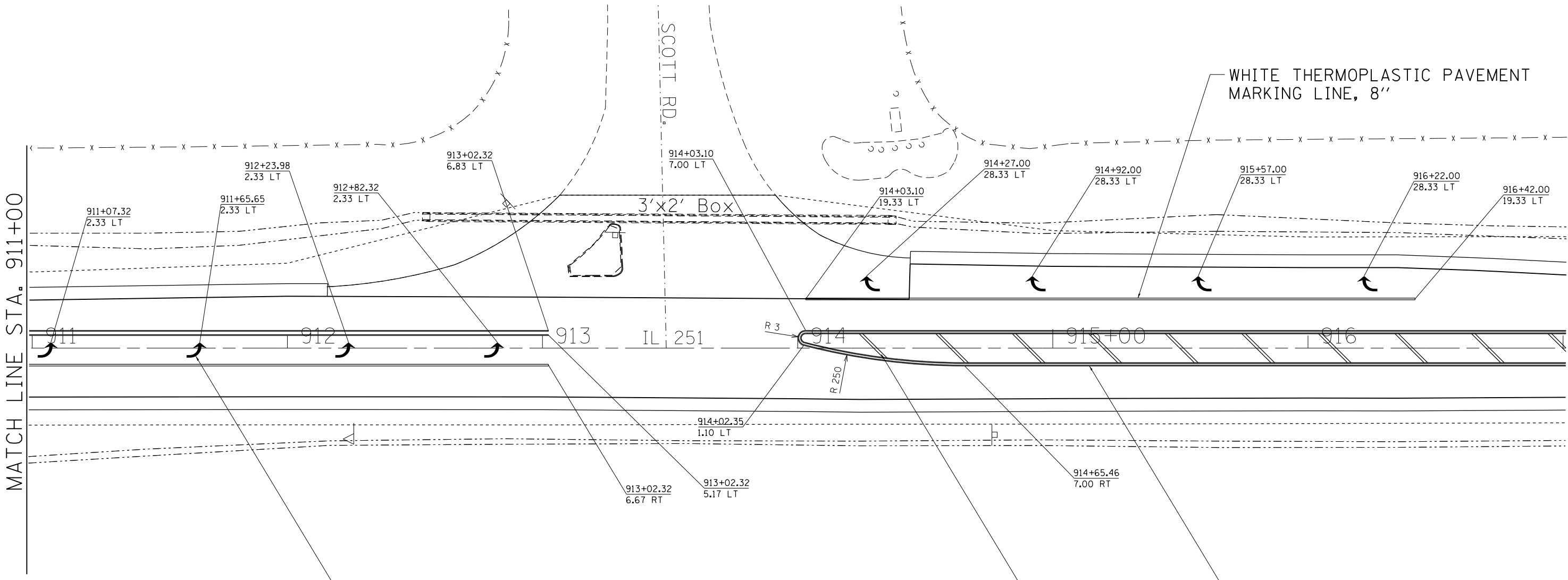
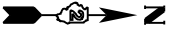
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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



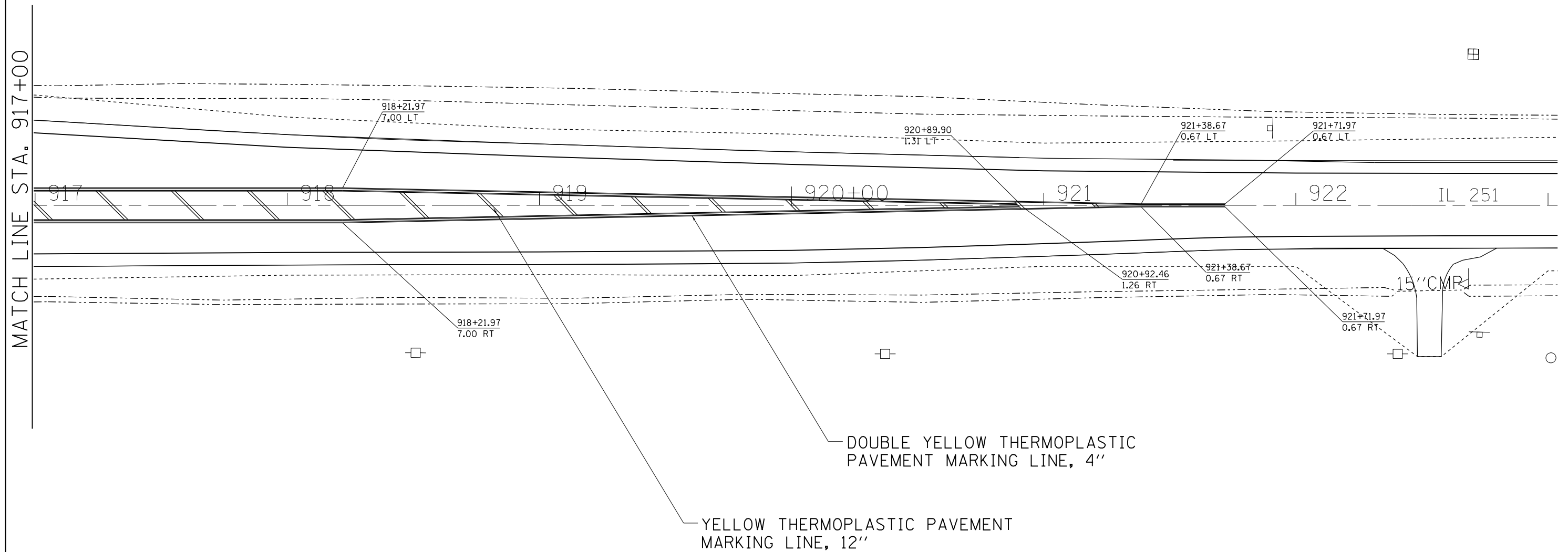
WHITE THERMOPLASTIC PAVEMENT MARKING, - LETTERS AND SYMBOLS

DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING LINE, 4"

YELLOW THERMOPLASTIC PAVEMENT MARKING LINE, 12"

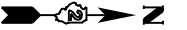
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT				
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PAVEMENT MARKING DETAILS

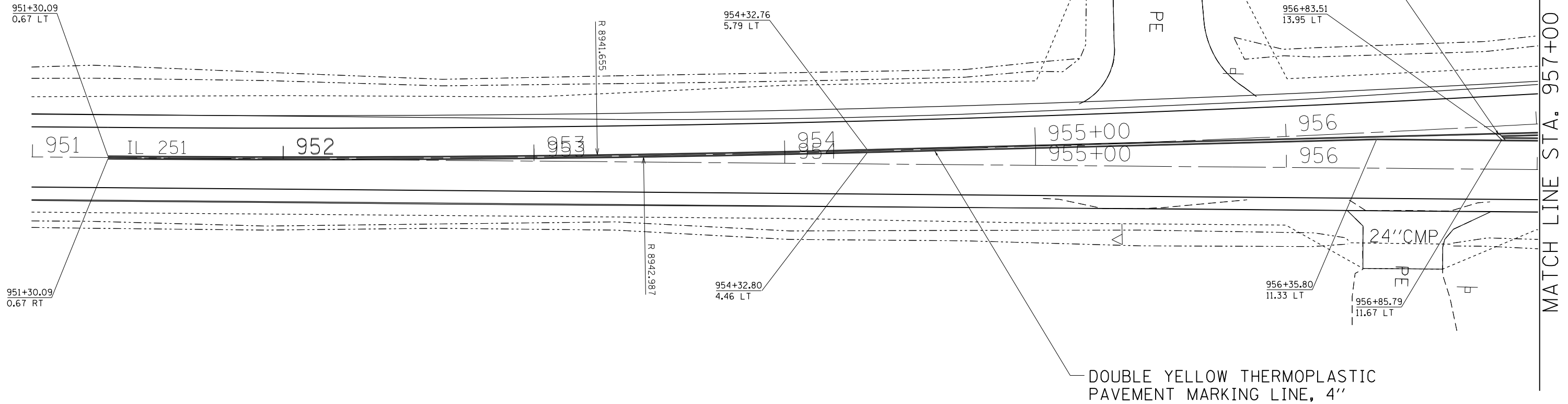


FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251 & SCOTT RD. PAVEMENT MARKING			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = May-04-2017 10:58:46 AM	DATE -	REVISED -					SCALE:	SHEET	OF	SHEETS	STA.

PAVEMENT MARKING DETAILS



YELLOW THERMOPLASTIC PAVEMENT MARKING LINE, 12"



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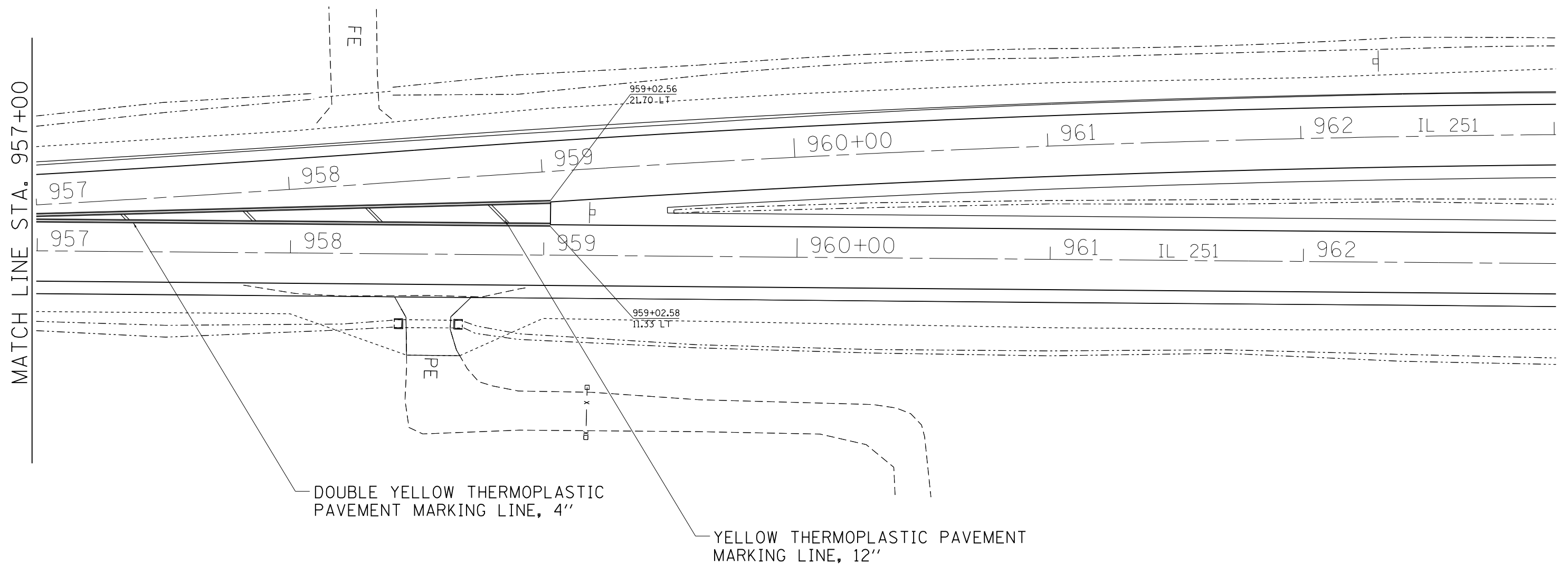
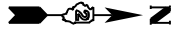
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	62
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING DETAILS



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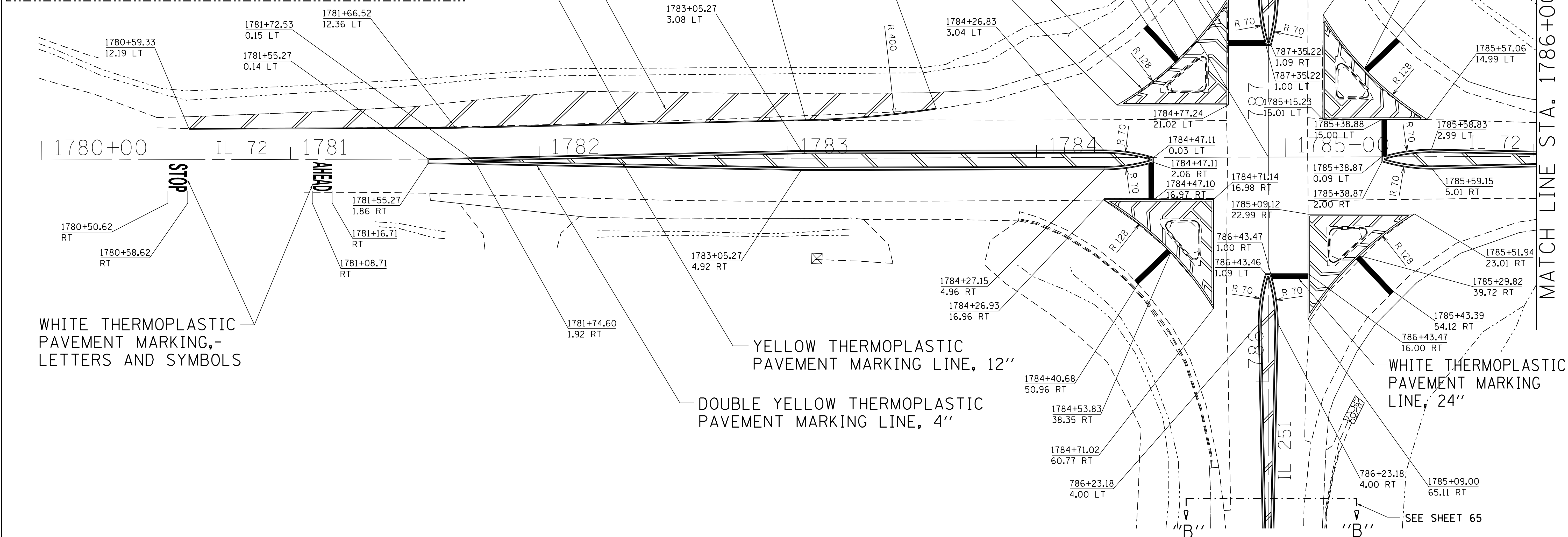
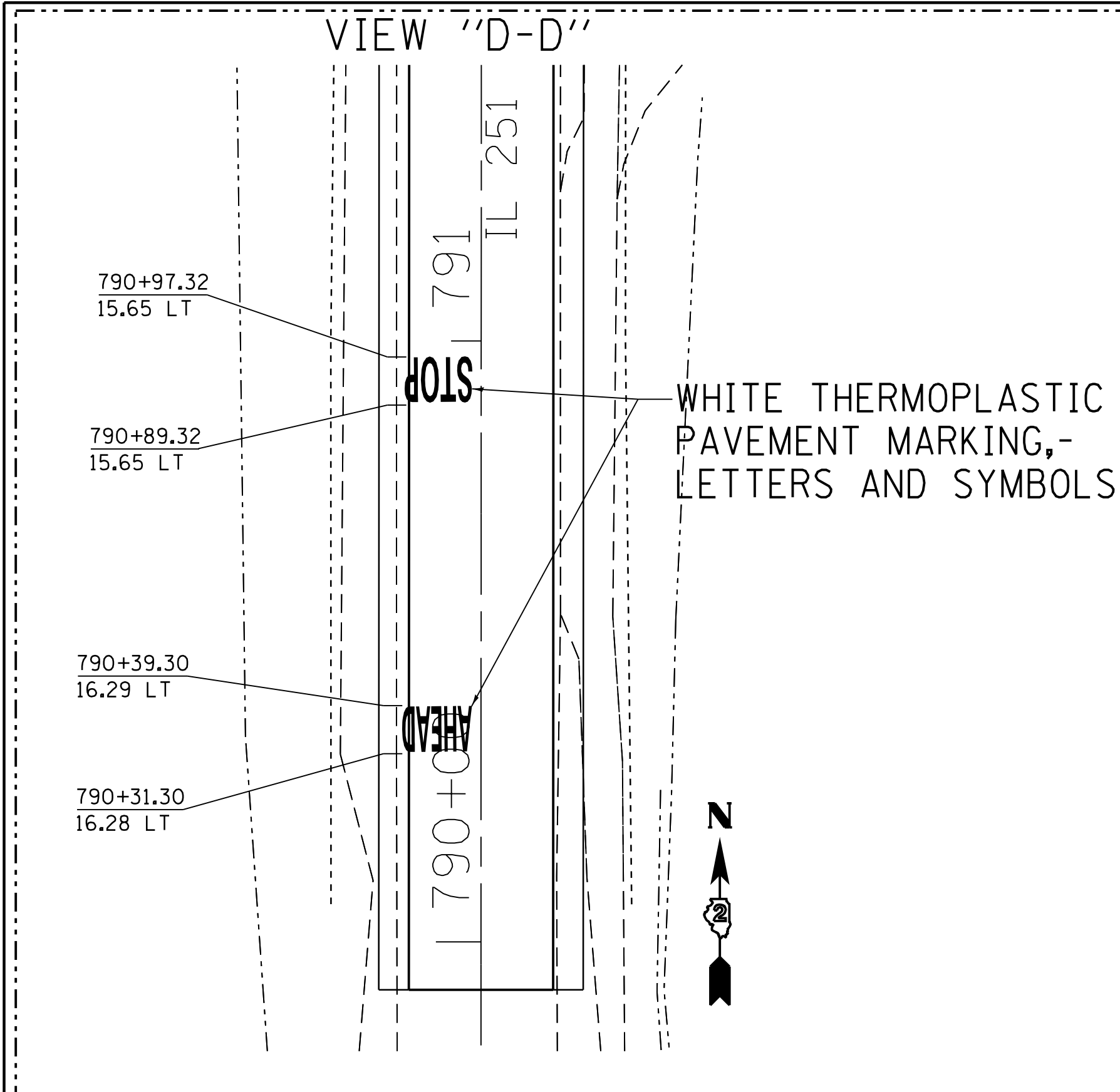
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET OF SHEETS STA. TO STA.

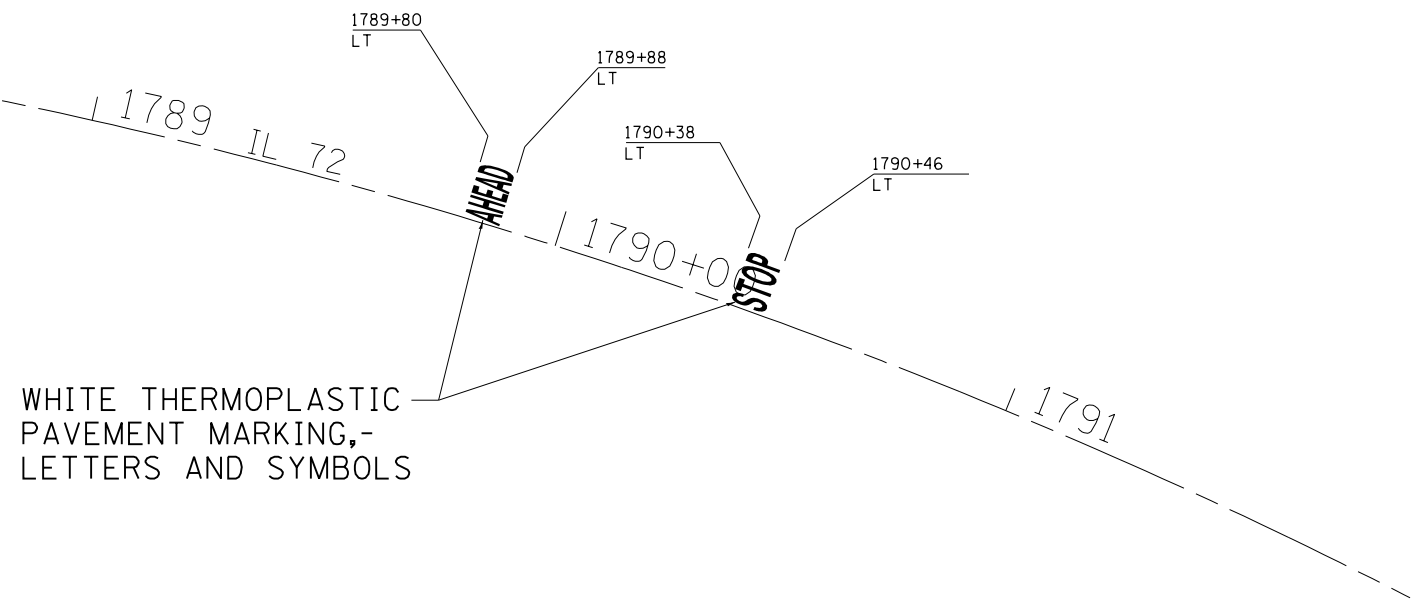
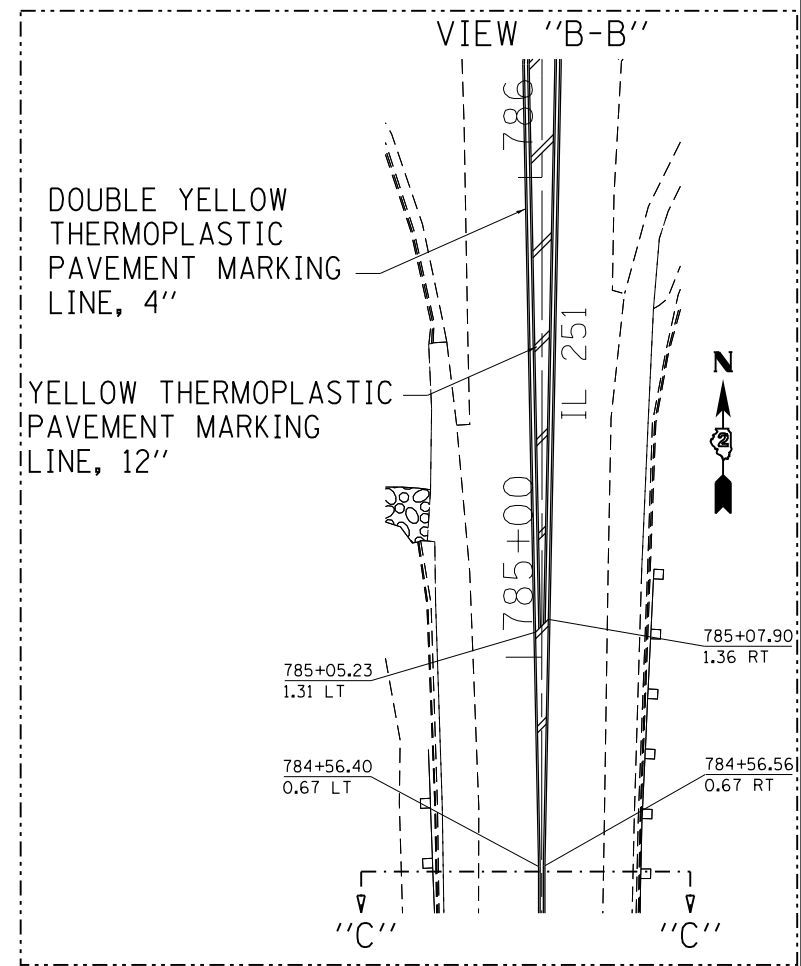
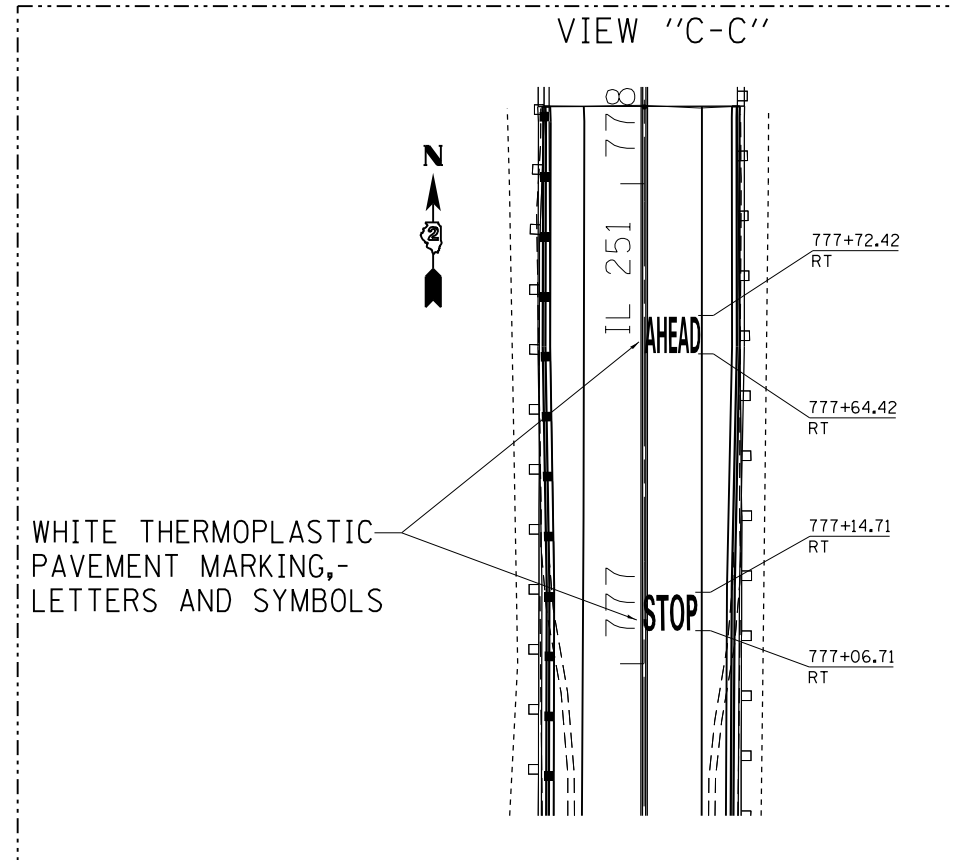
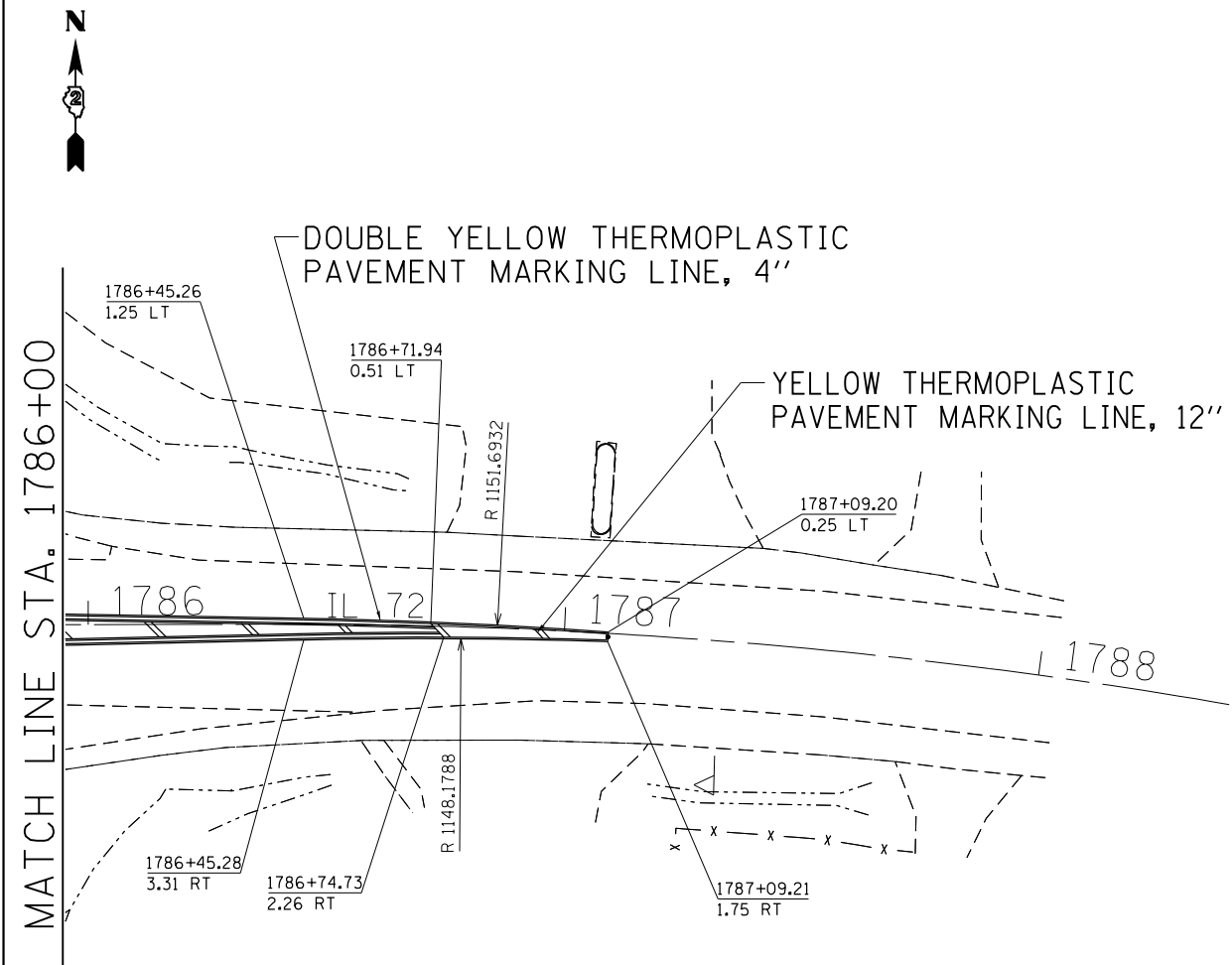
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(106.107) RS-5	OGLE	193	63
CONTRACT NO. 64H61			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING DETAILS



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251 & IL 72 PAVEMENT MARKING DETAILS				F.A.S. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PAVEMENT MARKING DETAILS



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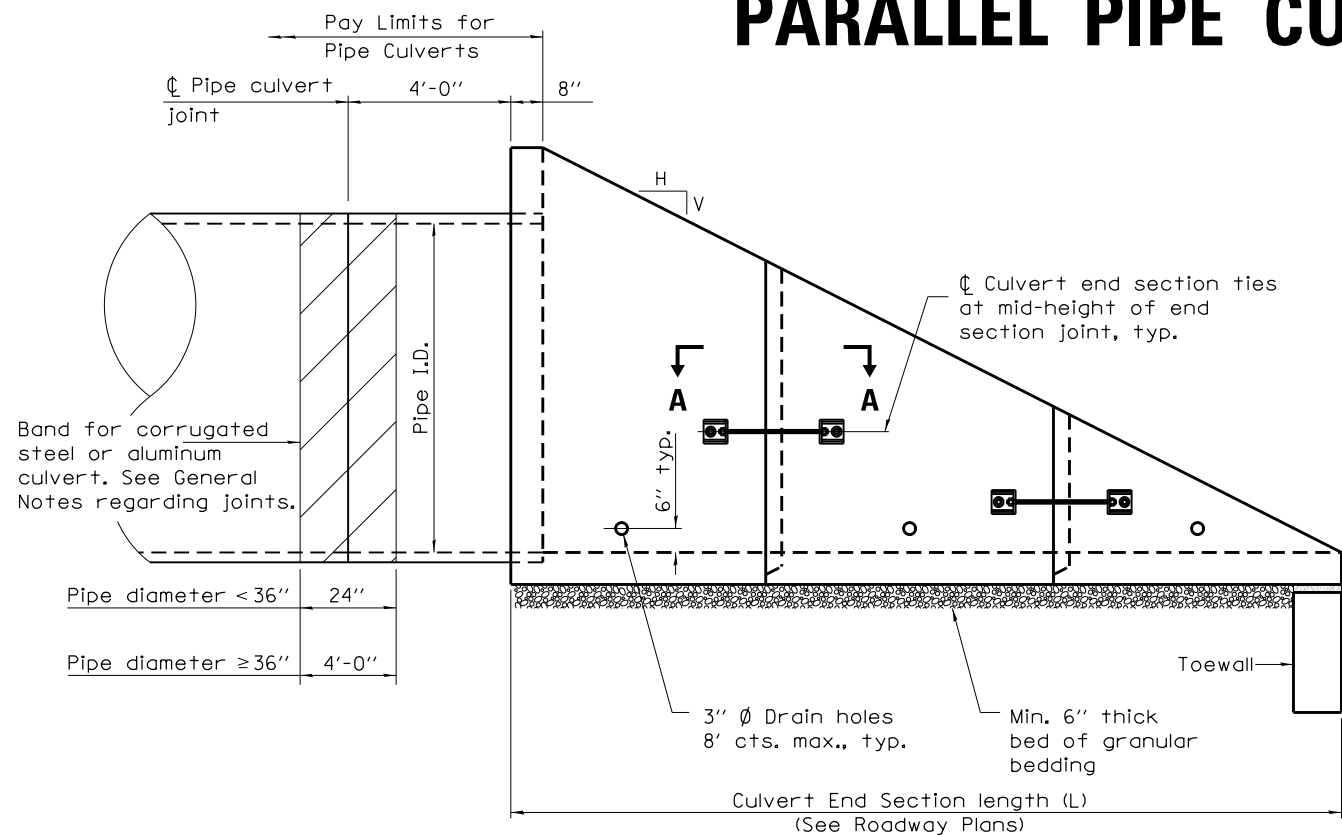
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 & IL 72
PAVEMENT MARKING DETAILS**

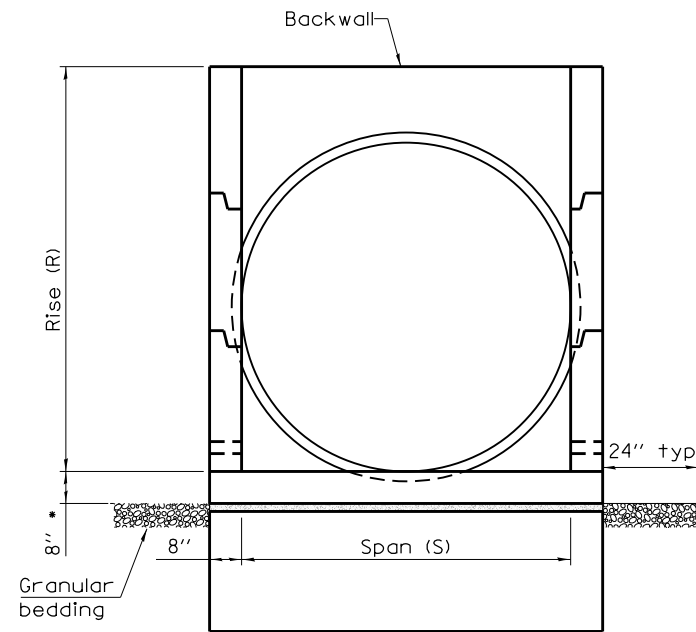
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RE.	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.

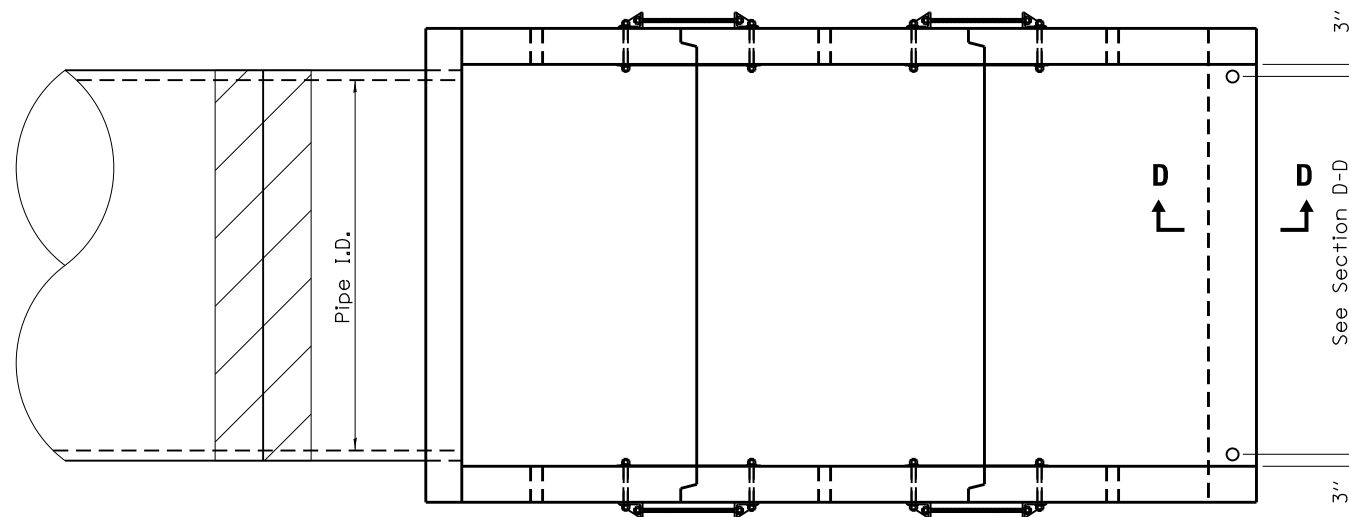
The number of segments shown in elevation is for example only. The length and number of precast sections required to construct the end section shall be determined by the Contractor.

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

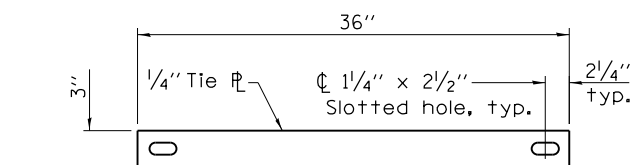
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of formed holes.

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

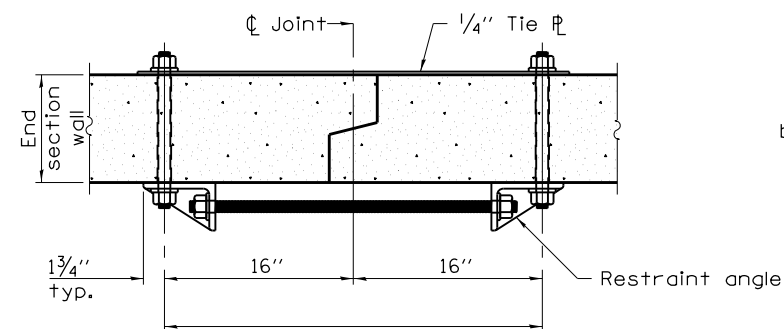
All dimensions are in inches unless otherwise shown.



PLAN

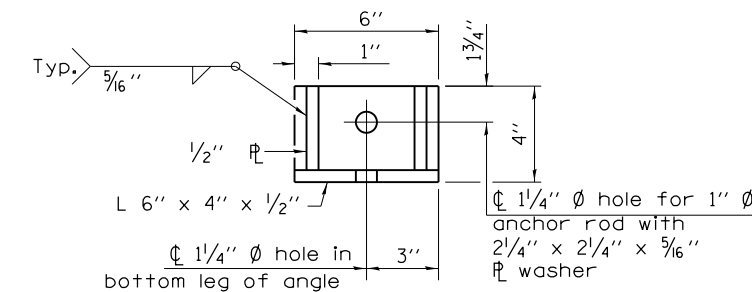


TIE PLATE DETAIL



SECTION A-A

(Showing end section tie details)



RESTRAINT ANGLE DETAIL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

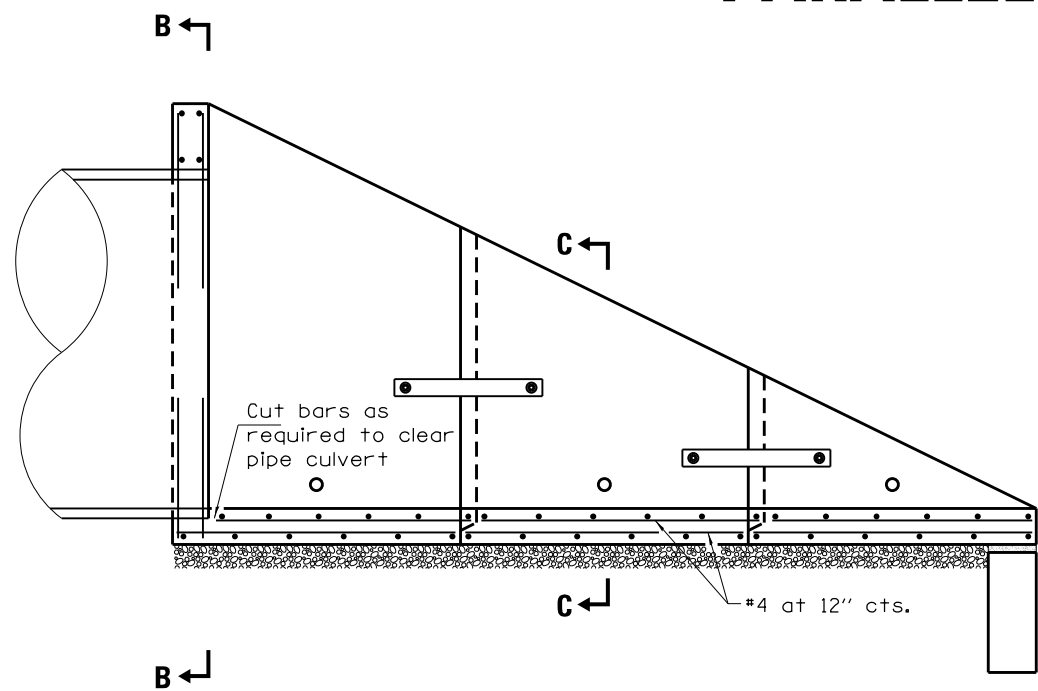
REGION 2 / DISTRICT 2 STANDARD

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

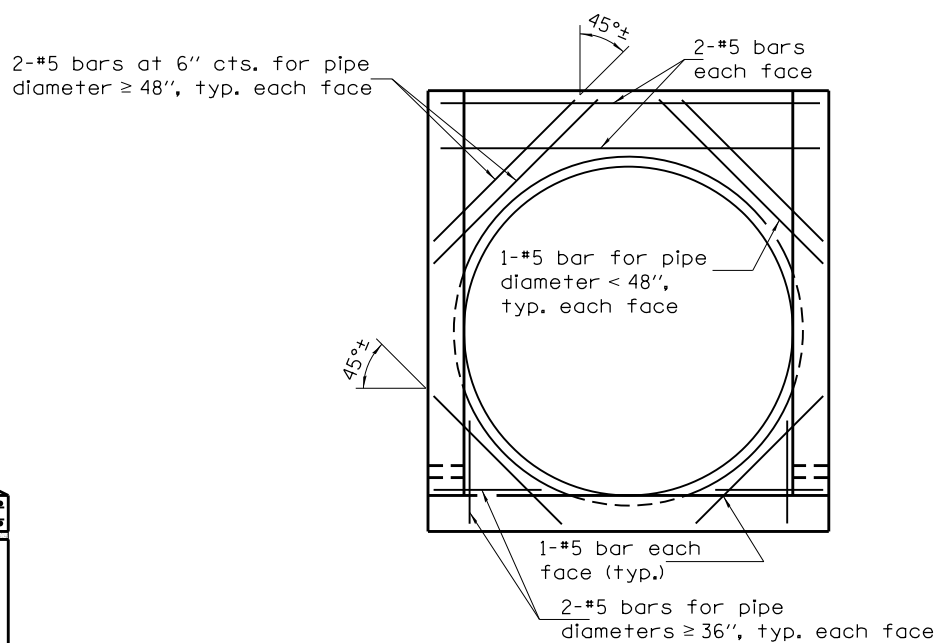
* FAS 1042 (IL251) & FAU 5454 (IL 251)

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.)



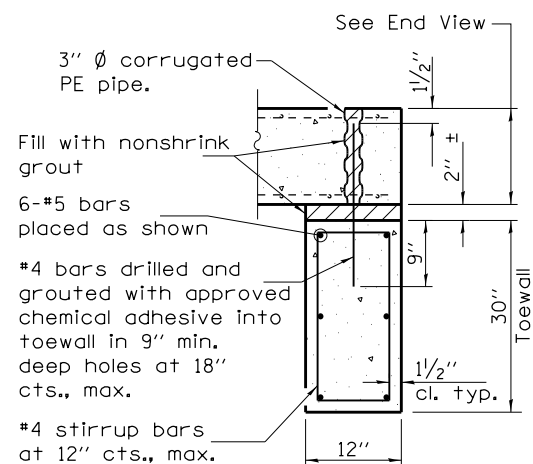
SECTION B-B

(Showing backwall reinforcement for pipes.)

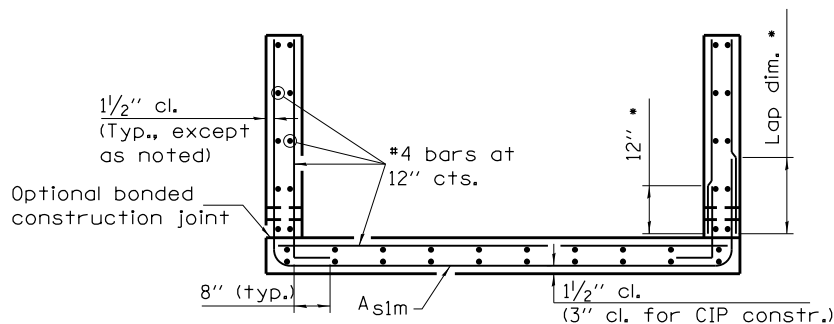
LAP DIMENSION

- #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.	Asim	
	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)

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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.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(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

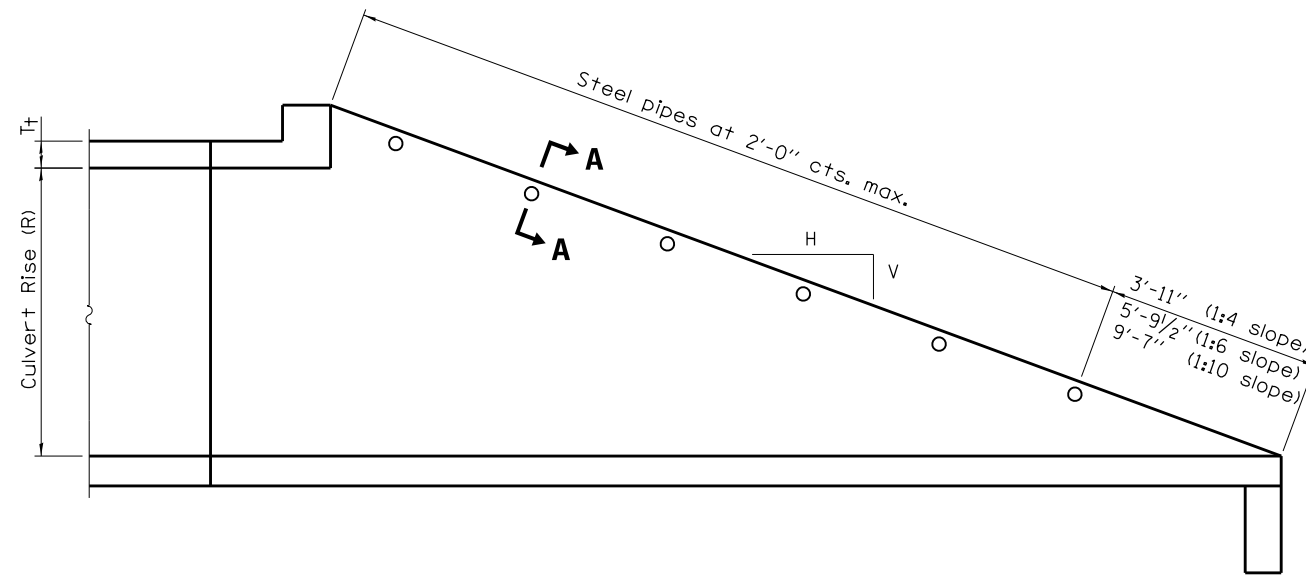
The above quantities are estimates and provided for information only. Actual quantities may vary depending upon the final layout of reinforcement and number of segments determined by the Contractor.

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

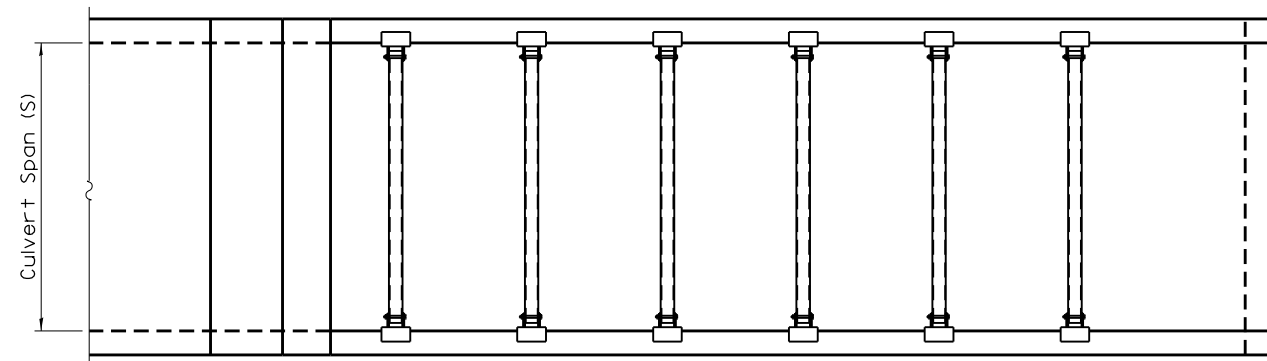
FILE NAME =	USER NAME = ankneyde	DESIGNED - _____	REVISED - 1-05-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\0203312-11084EBIDINTEG\Drawings\CAD\Drawings\0203312-11084EBIDINTEG.dwg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

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

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE



LONGITUDINAL SECTION



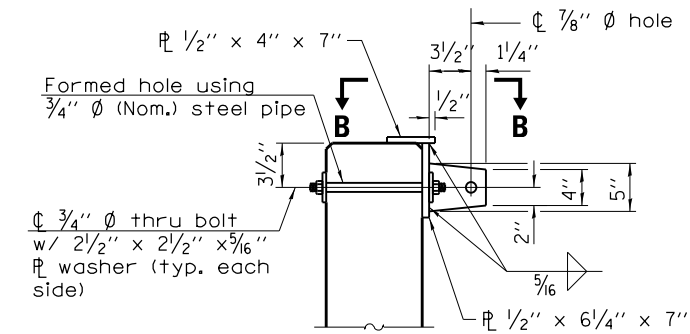
PLAN VIEW

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.

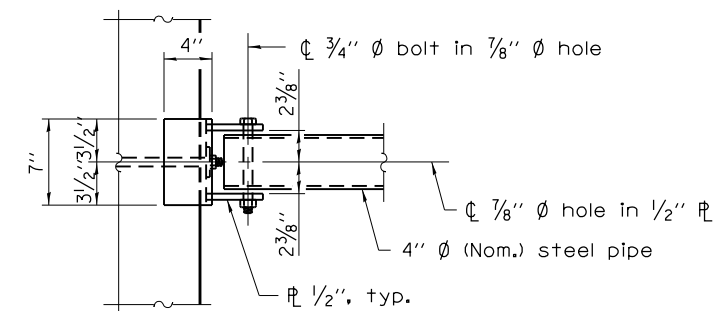
This standard shall only be used on concrete end sections for parallel drainage structures.

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
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		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. 64H61				
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:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 2\Projects\02083\DRAWING\02083\02083-12-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
*	(106.107)RS-5	OGLE	196
			SHEET NO. 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.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0203312\Drawings\0203312-shr-detail.dwg	DRAWN	CHECKED	REVISED			* (106.107)RS-5	OGLE	.196	.71	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 64H6L				
PLOT DATE = May-04-2017 10:35:44 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

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

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
p:\IL\084EBIDINTEG.illinois.gov\PIWDD\Documents\DOT Offices\District 2\Projects\0208\DRAWING\040sheets\0203312-shd-detail.dwg		CHECKED -	REVISED -
	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = May-04-2017 10:35:44 AM		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

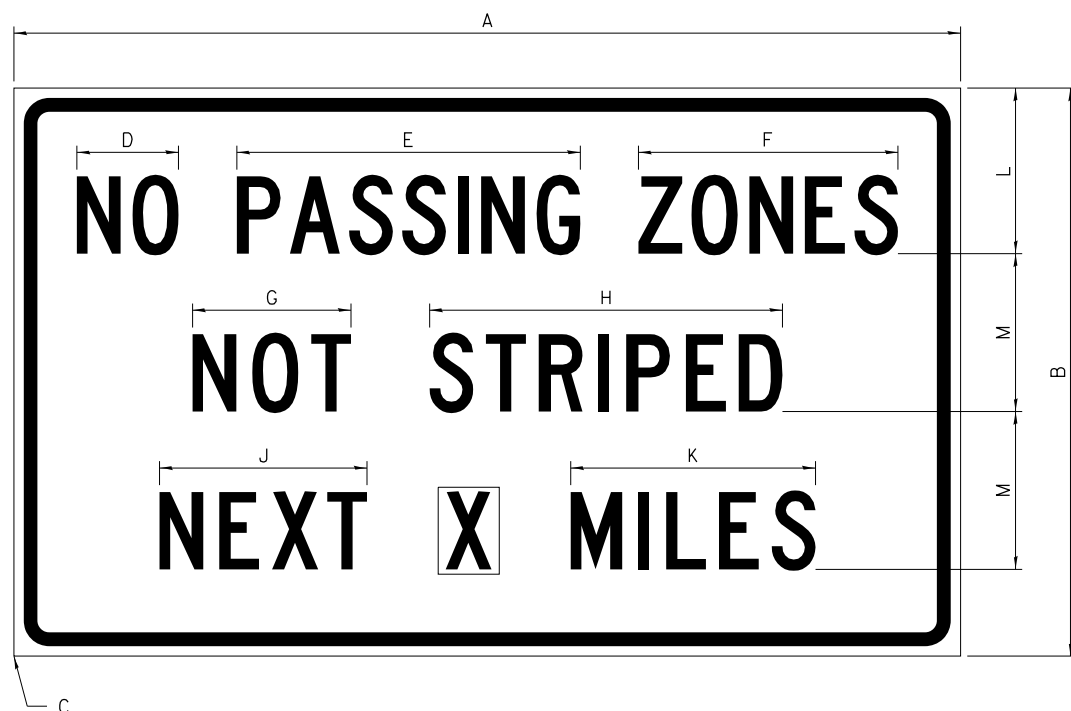
SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

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

F.A. * RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106,107)RS-5	OGLE	196	73
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 64H6L	

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

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.

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

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 3-02-16
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\02093\DRAWING\CA0sheets\0203312-shr-details.dwg		CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.		DATE -	REVISED -
PLOT DATE = May-04-2017 10:35:45 AM			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

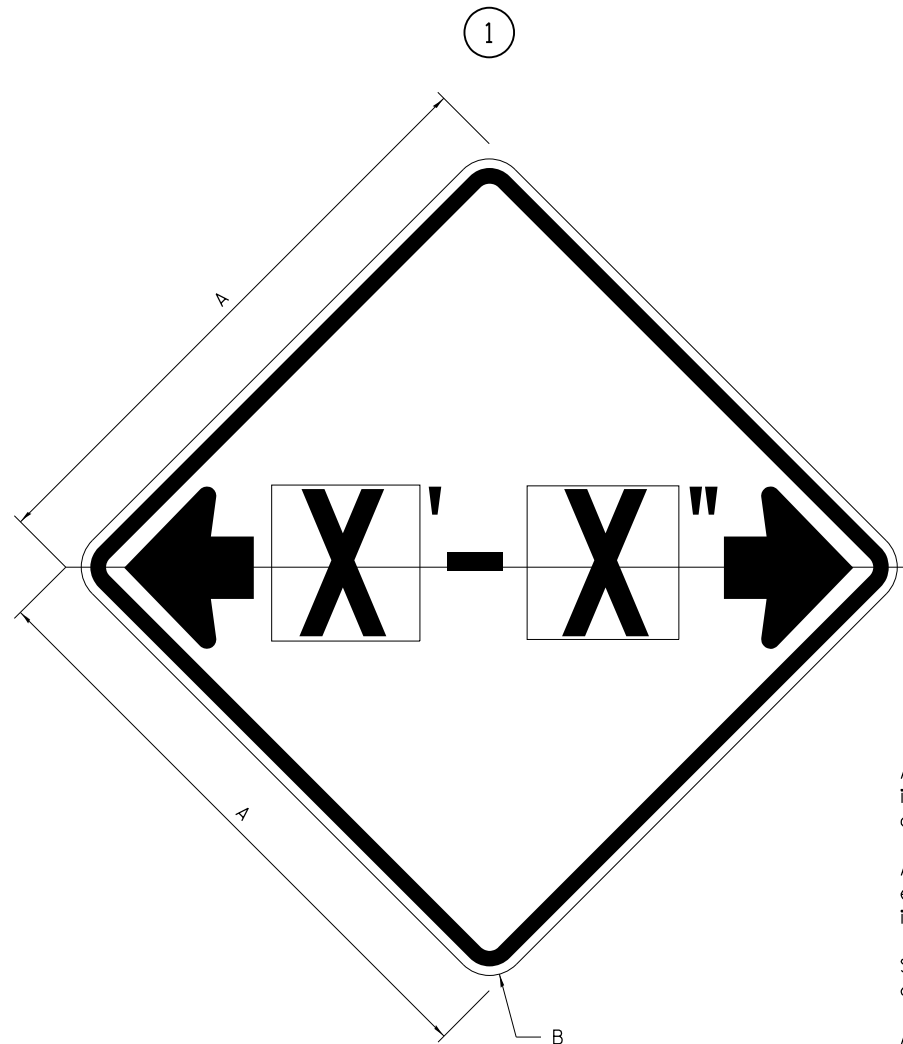
REGION 2 / DISTRICT 2 STANDARD

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

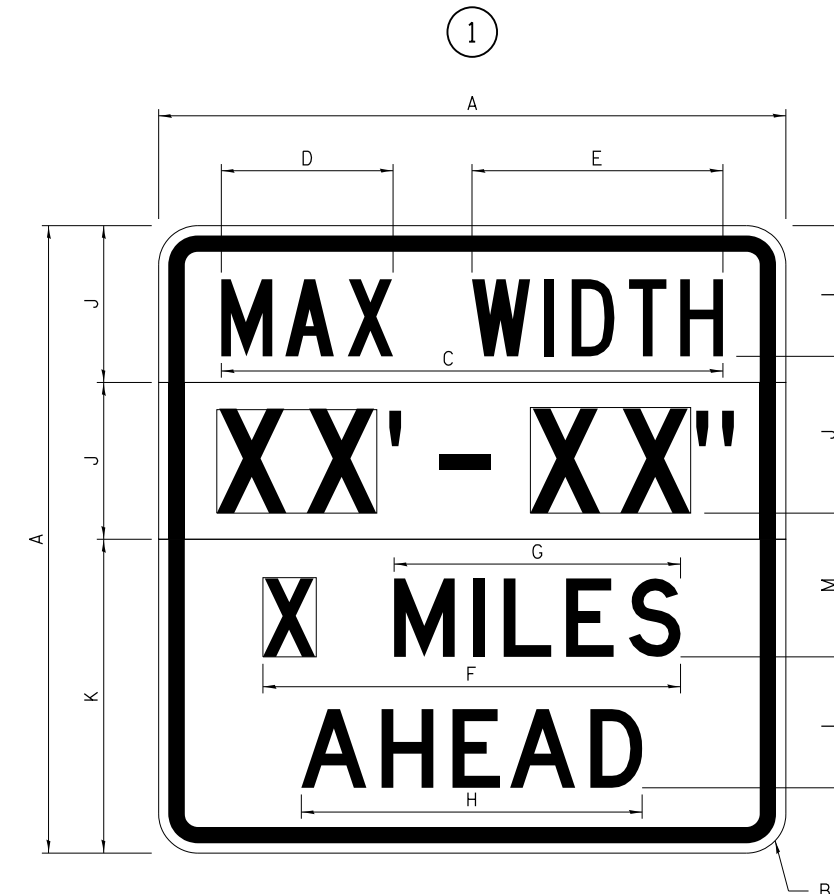
F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	74
FED. ROAD DIST. NO. _____ [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 64H6L

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\PIDOT\Documents\DOT Offices\District 2\Projects\02083312-2\Drawings\02083312-shd-details.dwg		CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.		DATE -	REVISED -
PLOT DATE = May-04-2017 10:35:45 AM			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

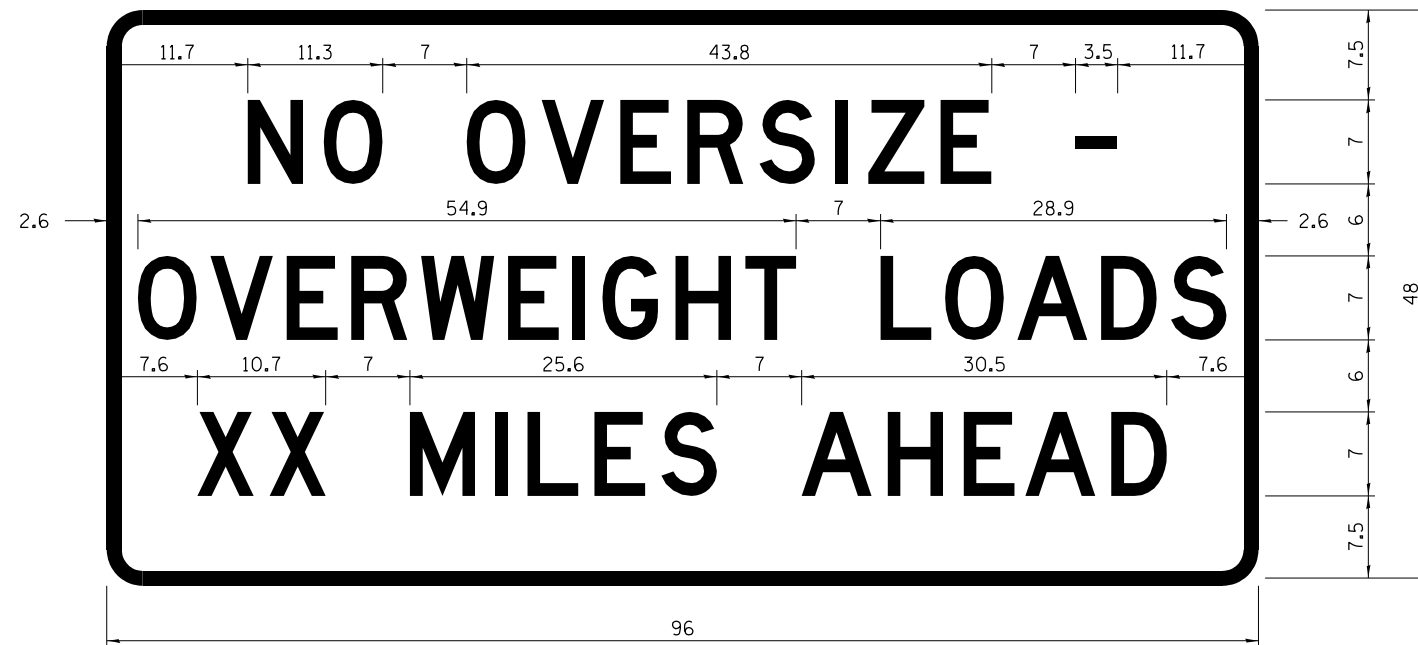
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

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

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS

STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

COLOR LEGEND AND BORDER BACKGROUND BLACK WHITE NON-REFLECTORIZED REFLECTORIZED

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

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.

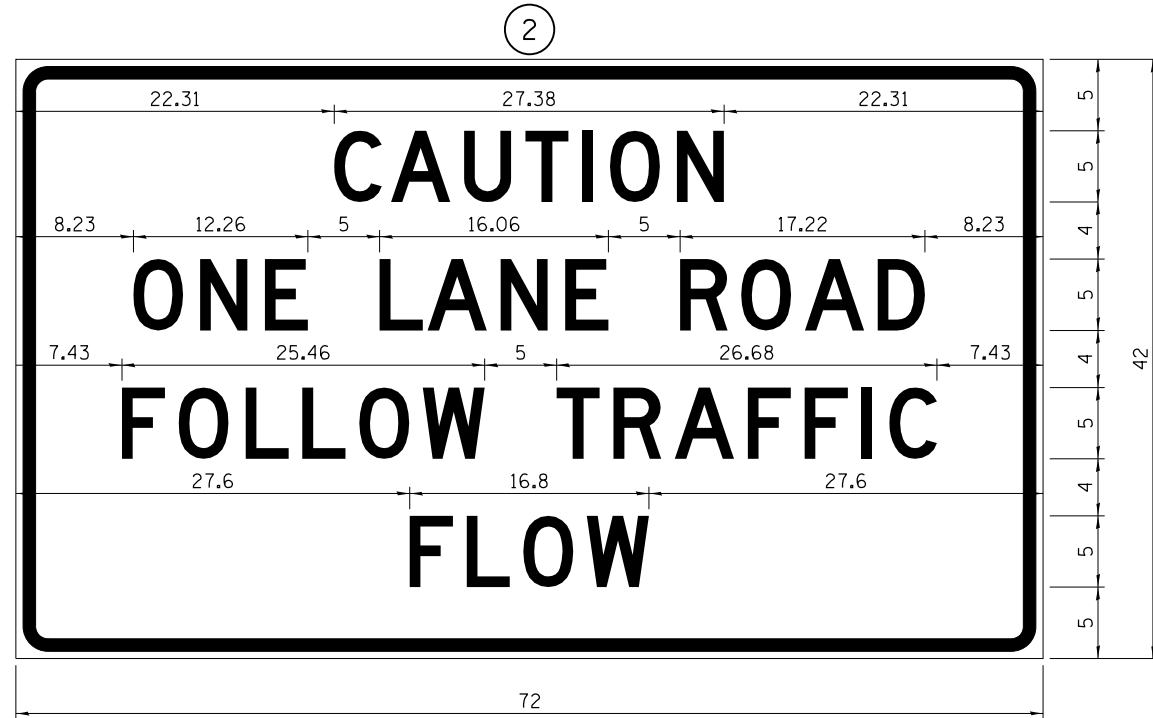
All dimensions are in inches unless otherwise noted.

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

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.*	SECTION	COUNTY	TOTAL	SHEET
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\0203312\Drawings\0203312-shd-details.dwg		CHECKED -	REVISED -			*	(106.107)RS-5	OGLE	.196	.76
PLOT SCALE = 48.0000' / in.		DATE -	REVISED -			CONTRACT NO. 64H6L				
PLOT DATE = May-04-2017 10:35:45 AM						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
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

GENERAL NOTES

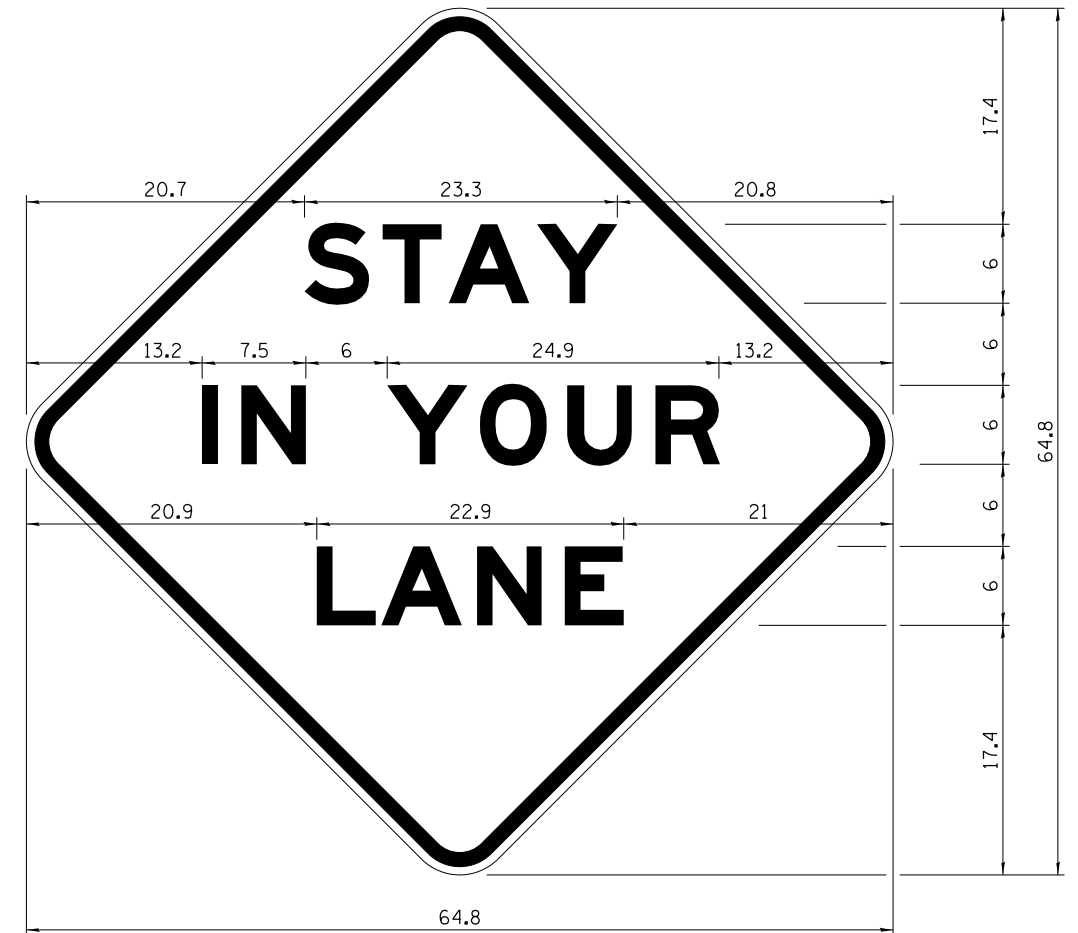
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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.

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

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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

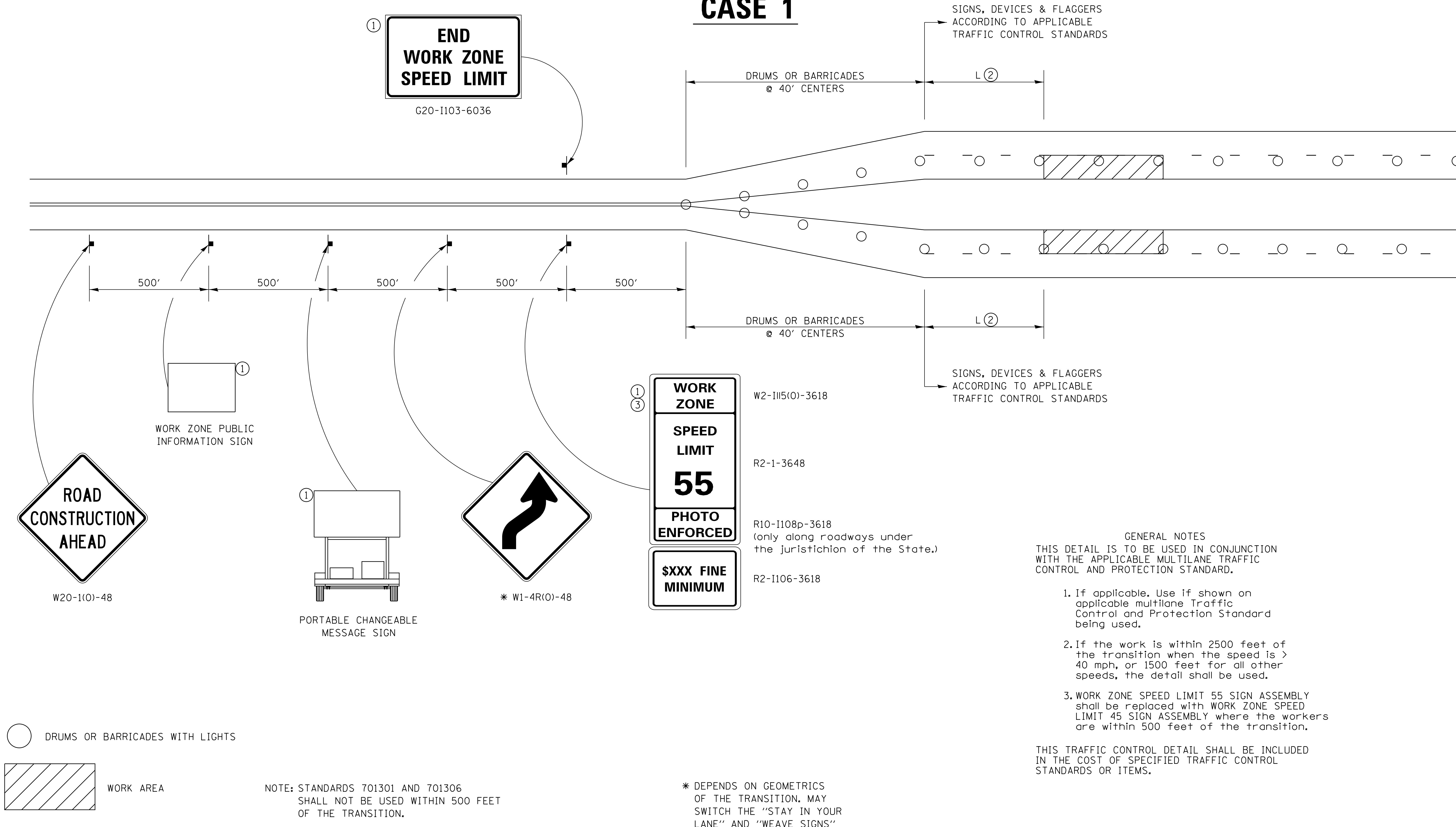
REGION 2 / DISTRICT 2 STANDARD

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

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

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 1



GENERAL NOTES

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

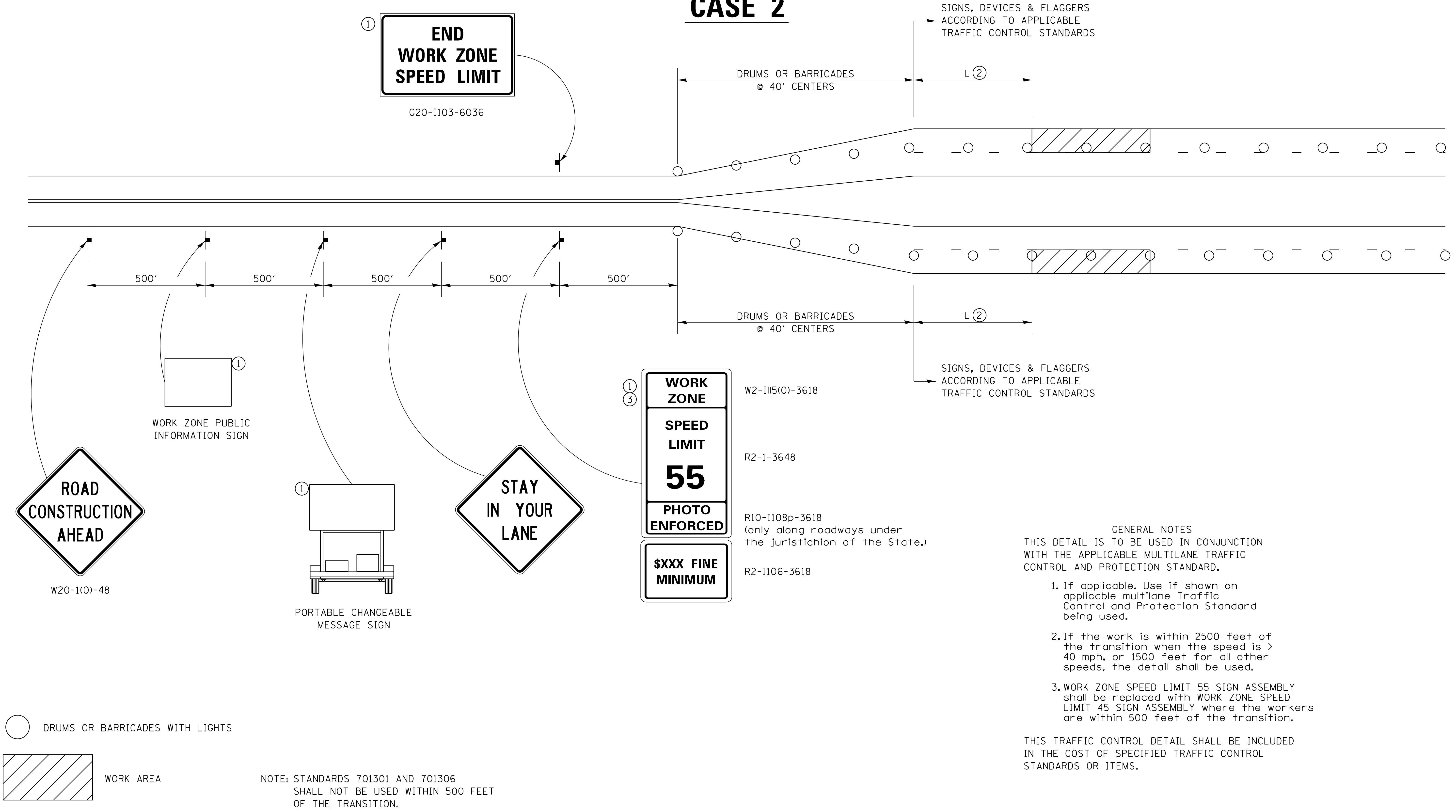
- If applicable. Use if shown on applicable multilane Traffic Control and Protection Standard being used.
- If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
- WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced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

FILE NAME =	USER NAME = onkneyde	DESIGNED -	REVISED - 4-20-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\2018\2018-11-16\2018-11-16\Drawings\CD\Drawings\CD\203312-shr-detail.dwg	DRAWN	REVISED - 1-05-16	REVISED - 1-05-16			*	(106,107)RS-5	OGLE	196	78
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - 8-27-13	REVISED - 8-27-13			CONTRACT NO. 64H6L				
PLOT DATE = Jan-18-2018 01:16:23 PM	DATE -	REVISED - 1-16-13	REVISED - 1-16-13			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 2



- 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.

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 4-20-17
pw:\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\2018\2018-01-16-13\2018-01-16-13\DRAWING\CADsheets\203312-shr-detail.dwg		CHECKED -	REVISED - 1-05-16
		PLOT SCALE = 20.0000' / in.	REVISED - 8-27-13
		DATE -	REVISED - 1-16-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

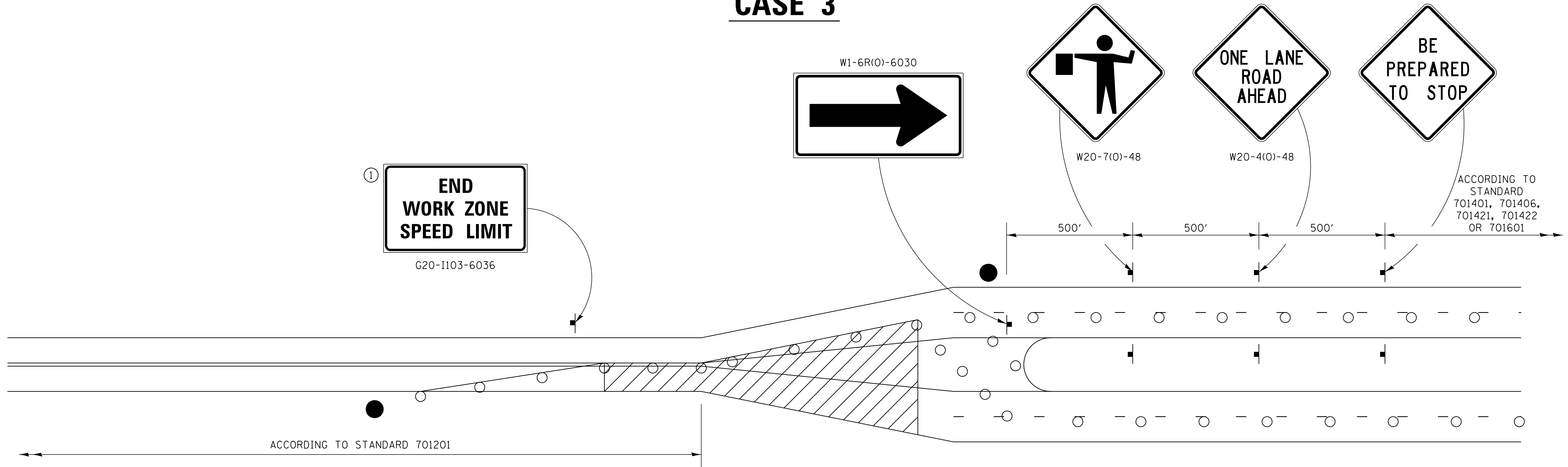
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106,107)RS-5	OGLE	196	79
CONTRACT NO. 64H6L			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

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

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 3



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.

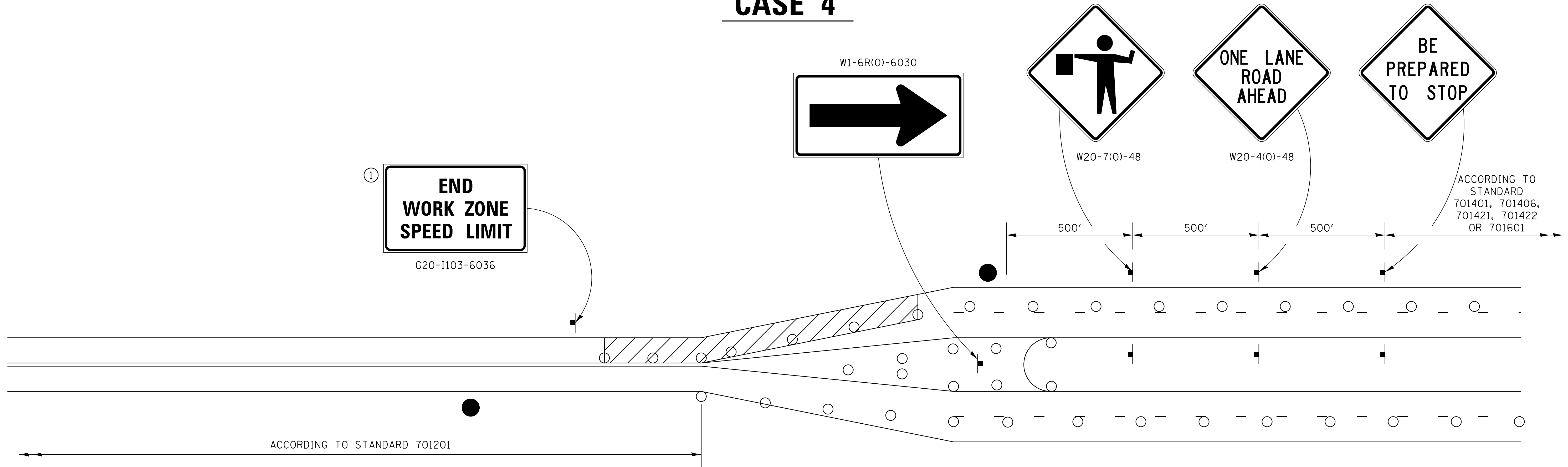
- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES WITH LIGHTS
- WORK AREA

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:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\2018\DRAWING\CADsheets\203312-shr-detail.dwg	DESIGNED -	REVISED - 1-05-16				* (106,107)RS-5	OGLE	196	80	
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED - 8-27-13				CONTRACT NO. 64H6L				
PLOT DATE = Jan-18-2018 01:16:23 PM	DATE -	REVISED - 3-05-12				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.

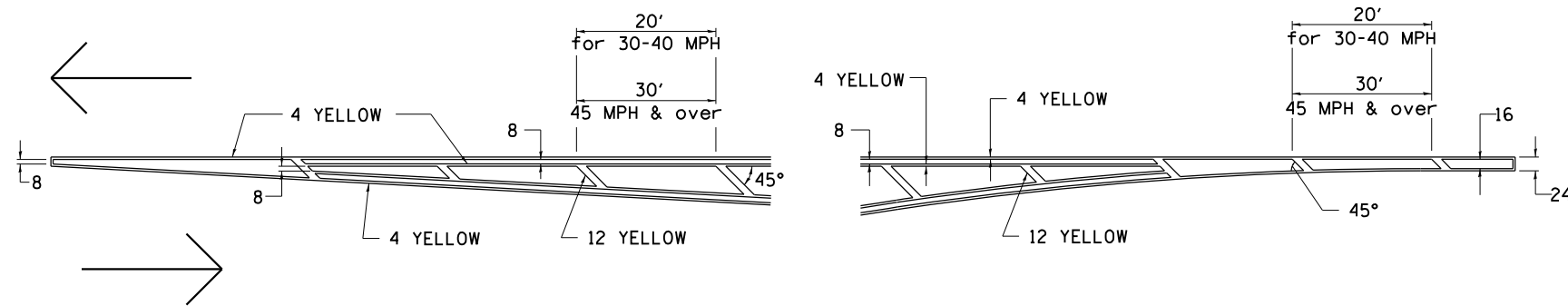
- FLAGGER WITH TRAFFIC CONTROL SIGN
- DRUMS OR BARRICADES WITH LIGHTS
- WORK AREA

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

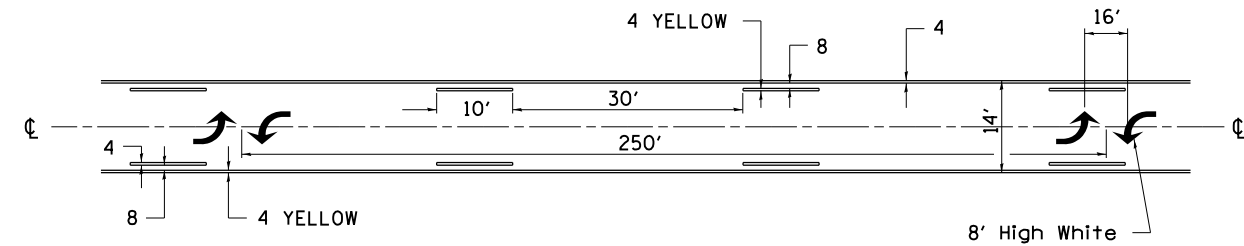
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 4-20-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\2018\DRAWING\CADsheets\203312-shr-detail.dwg						REVISED - 1-05-16	* (106,107)RS-5	OGLE	196	81	
PLOT SCALE = 20.0000' / in.						CHECKED -	CONTRACT NO. 64H6L		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		
PLOT DATE = Jan-18-2018 01:16:24 PM						DATE -	REVISED - 8-27-13				
				REVISED - 3-05-12	SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____						

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

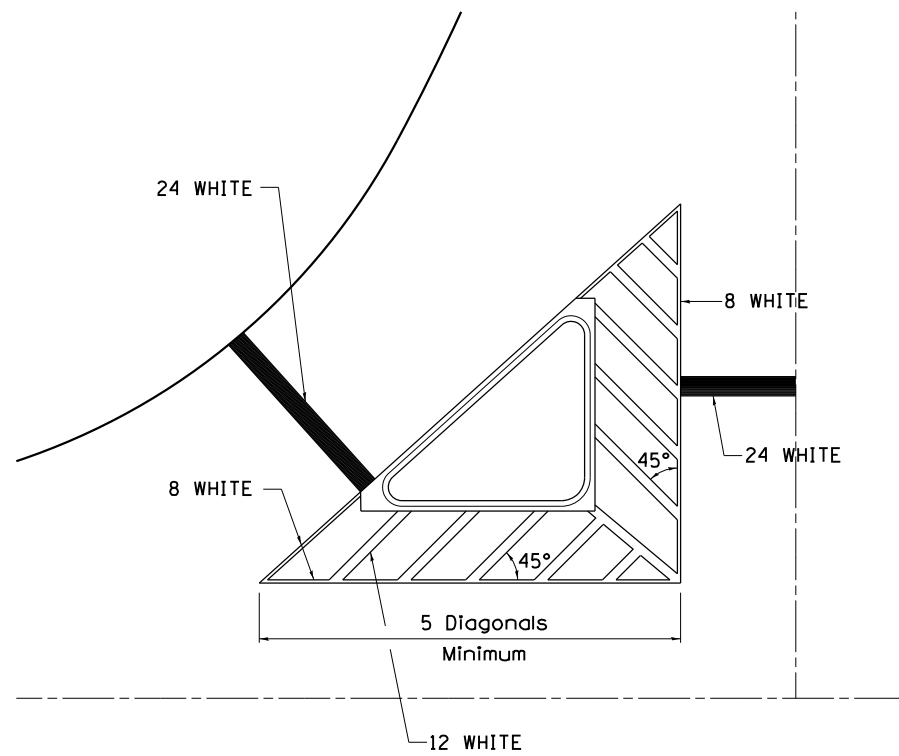


MEDIAN PAVEMENT MARKING



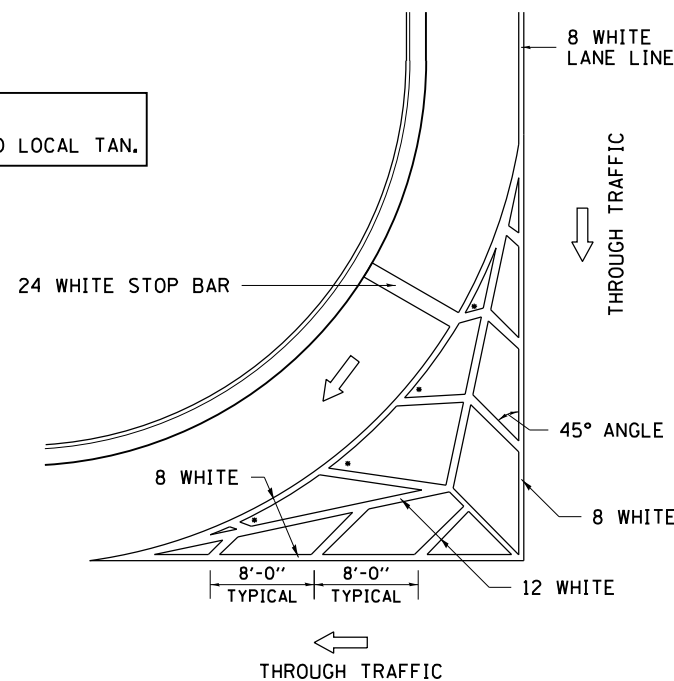
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



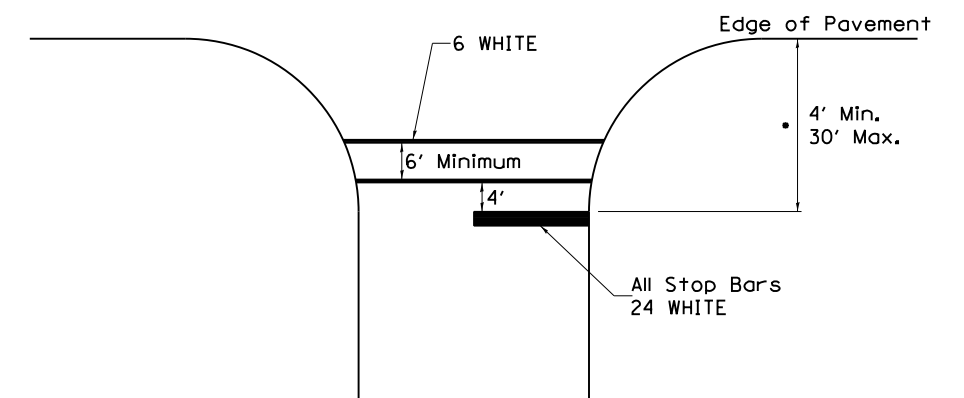
TYPICAL MARKING FOR PAINTED ISLANDS

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

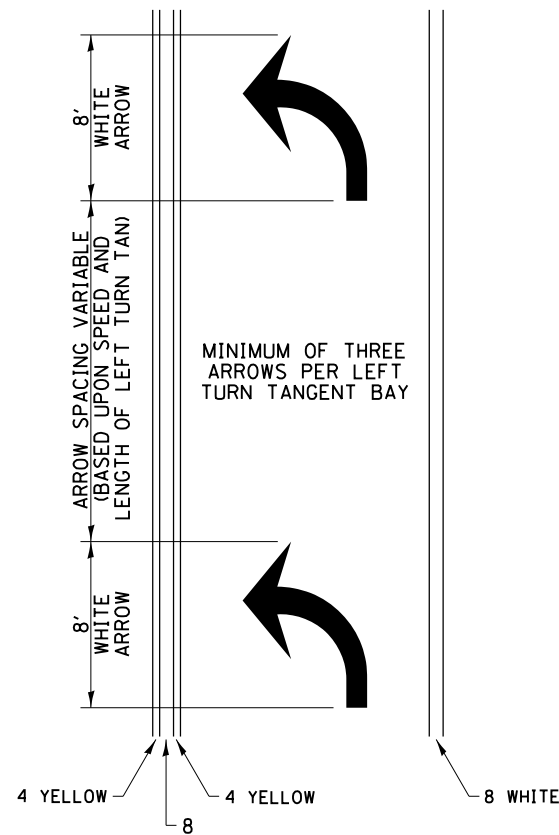
REGION 2 / DISTRICT 2 STANDARD

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	82
FED. ROAD DIST. NO. _____ (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 64H61	

TYPICAL PAVEMENT MARKINGS

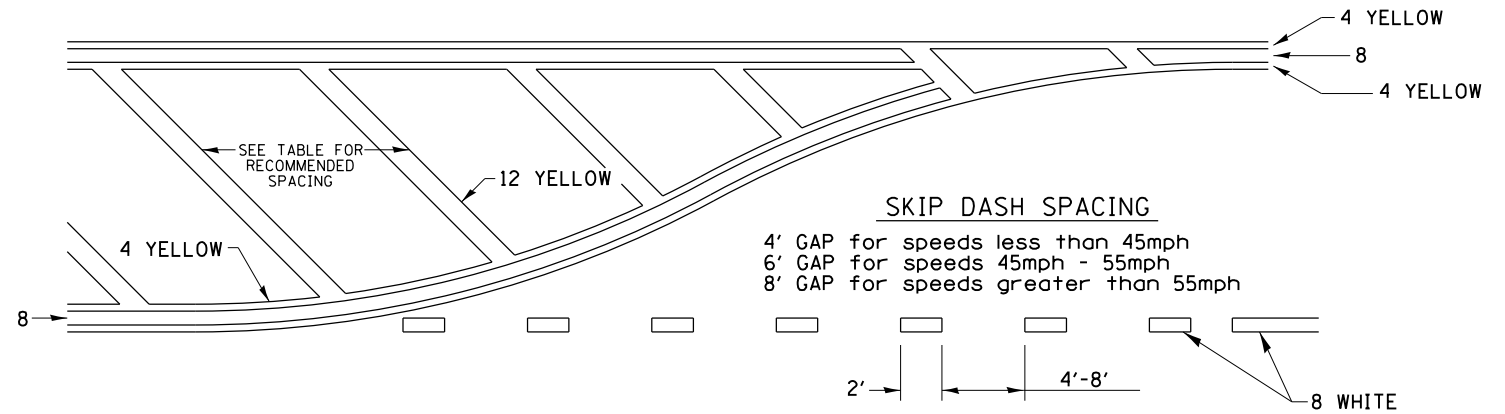
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

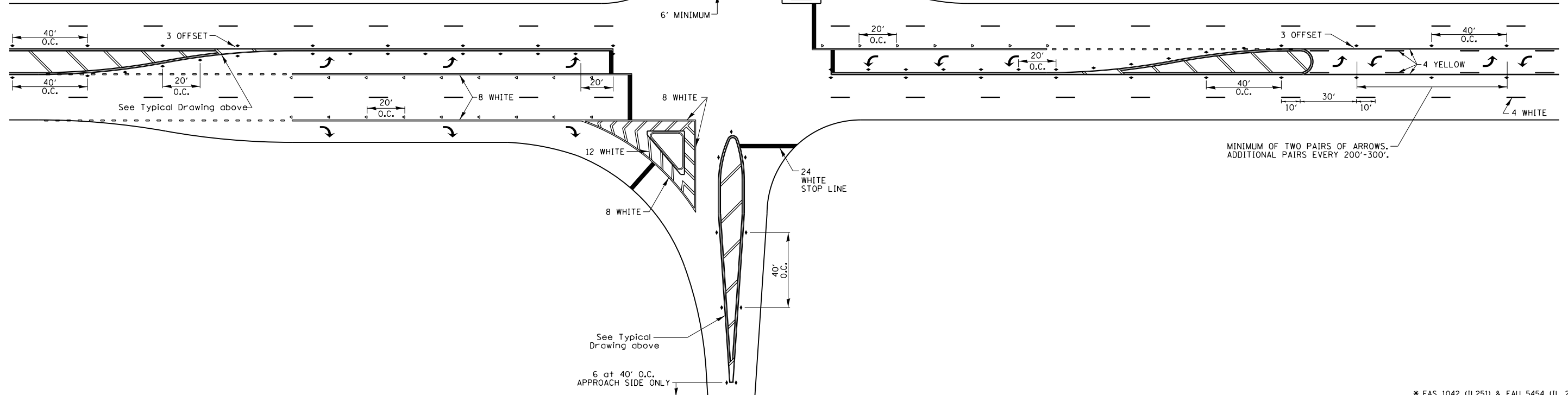
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 6-27-14
pw\11\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\0208\Drawings\02083312-shd-detailed		DRAWN -	REVISED - 3-05-12
PLOT SCALE = 40.0000' / in.	CHECKED -		REVISED -
PLOT DATE = May-04-2017 10:35:48 AM	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

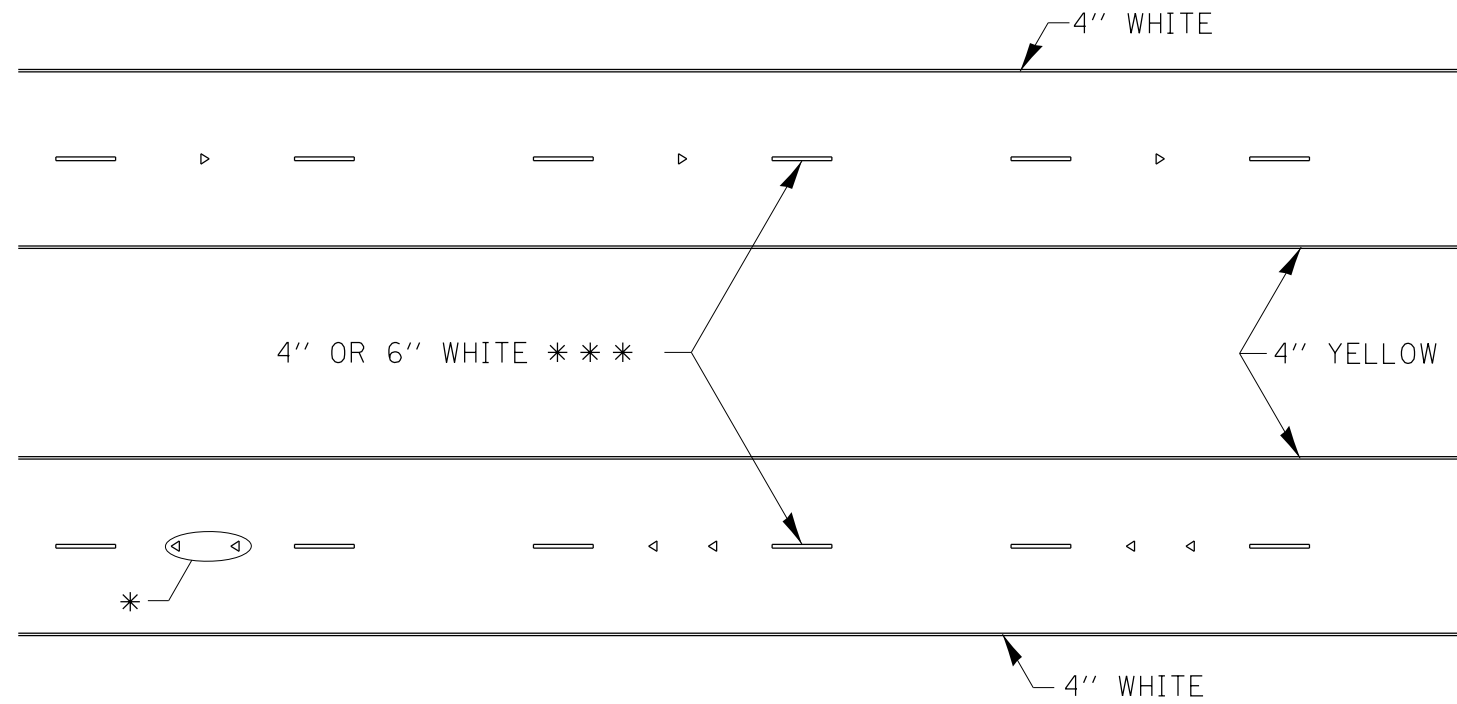
REGION 2 / DISTRICT 2 STANDARD

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

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

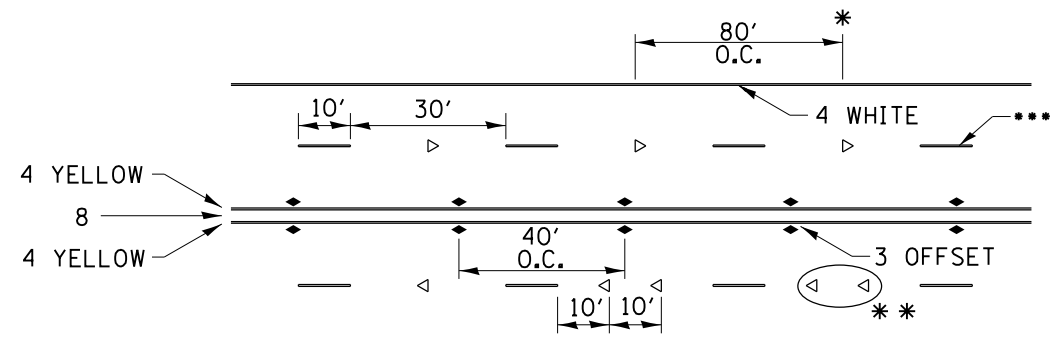
F.A.* RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	83
CONTRACT NO. 64H6L				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

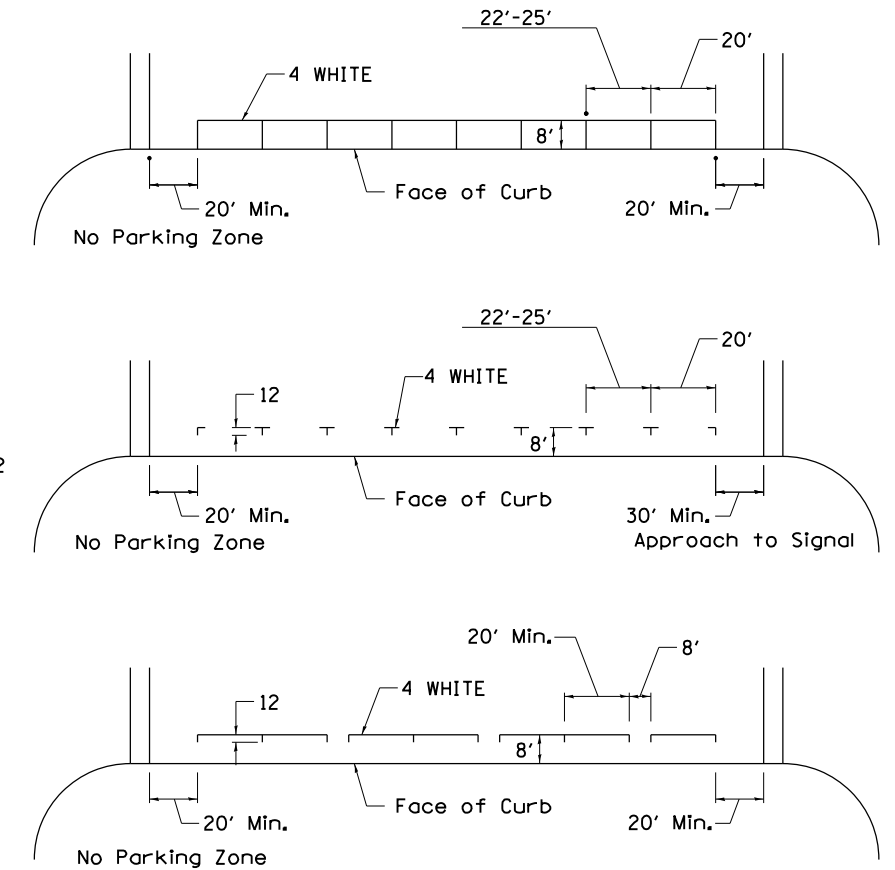
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

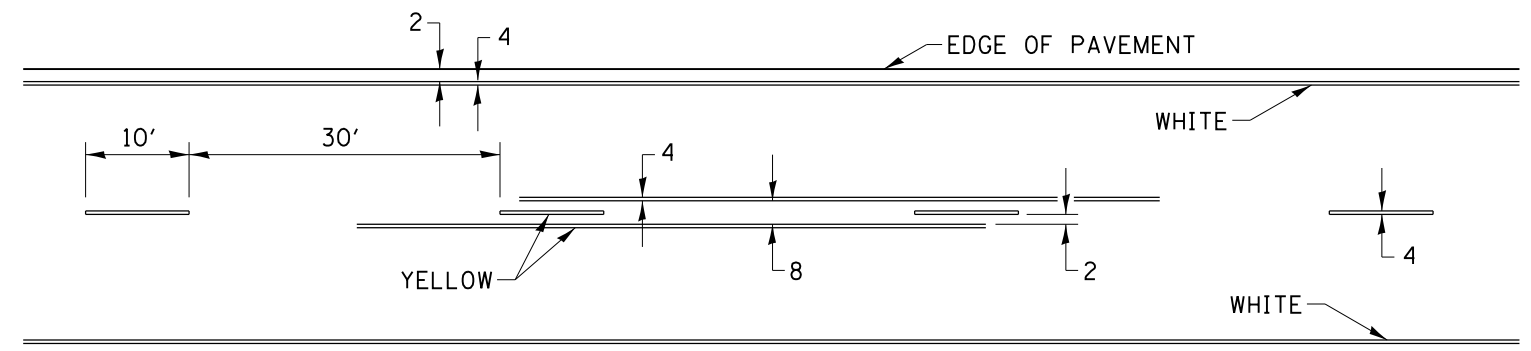
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 6-27-14
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 2\Projects\0203312-11-13-14\Drawings\0203312-shr-detail.dwg		CHECKED -	REVISED - 8-27-13
		PLOT SCALE = 48.0000' / in.	REVISED - 11-28-12
		PLOT DATE = May-04-2017 10:35:49 AM	REVISED -

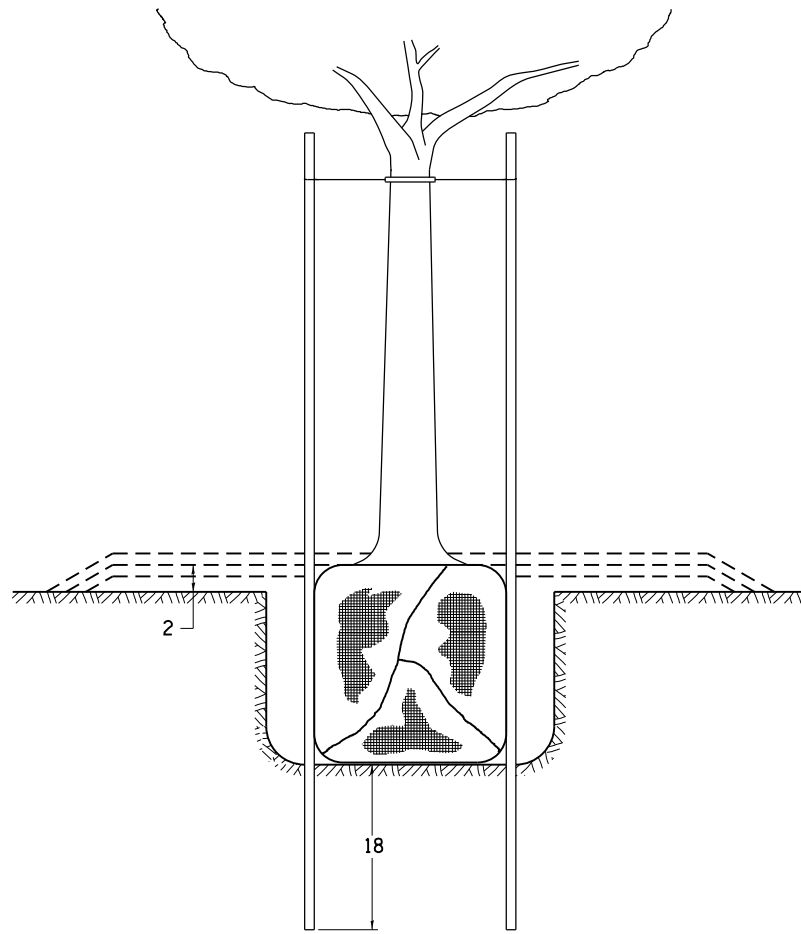
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

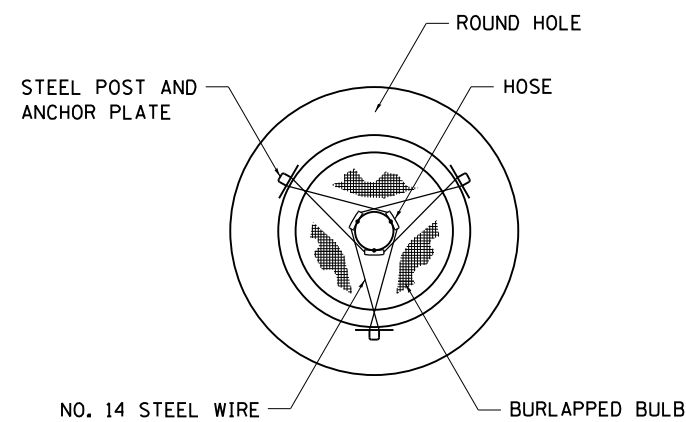
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

* FAS 1042 (IL251) & FAU 5454 (IL 251)			
F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS
*	(106.107)RS-5	OGLE	.196
			SHEET NO. 84
			CONTRACT NO. 64H6L
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			

DETAILS OF PLANTING AND BRACING TREES

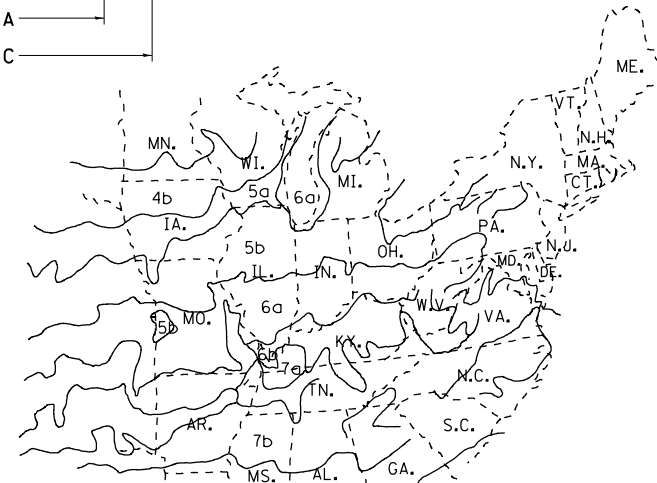
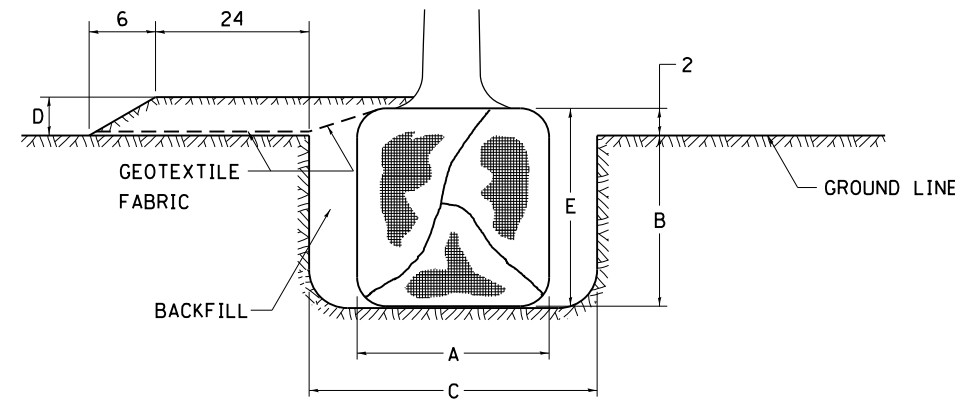


TREES SMALLER THAN 4 1/2 IN DIAMETER



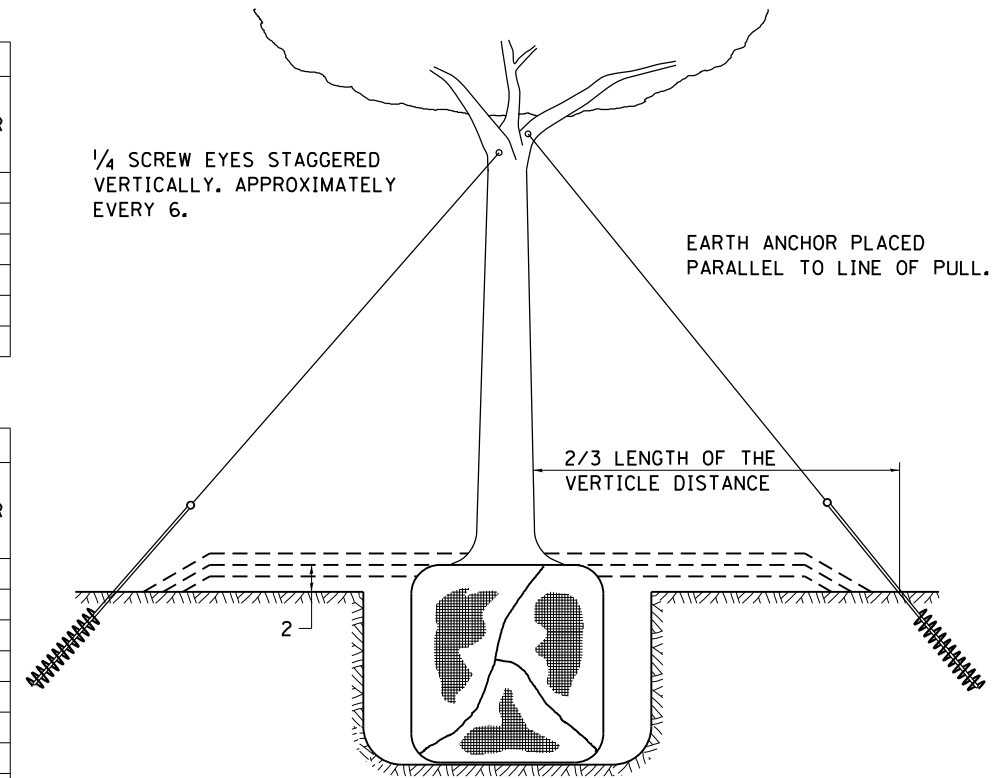
SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10'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

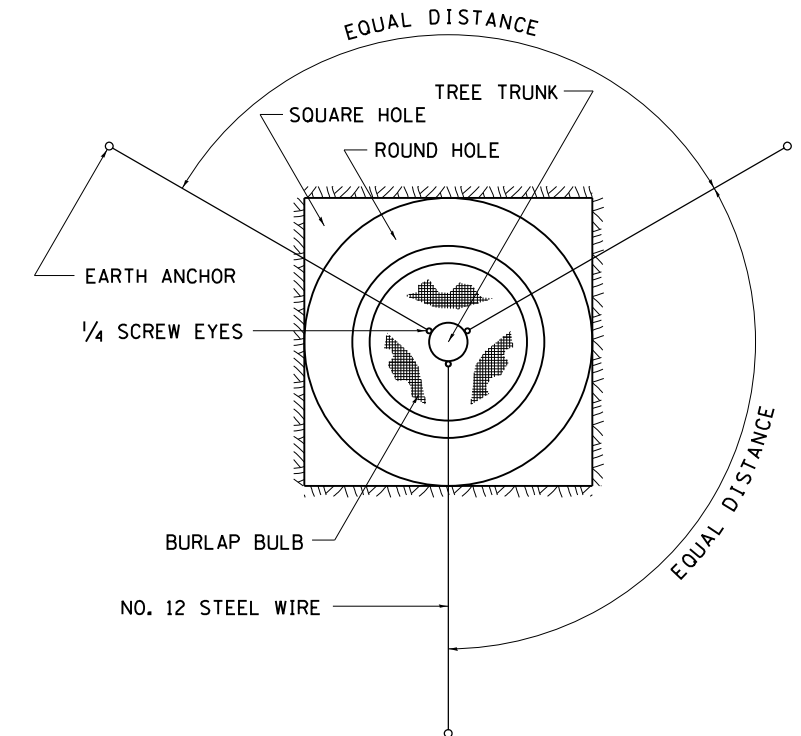


PLANT HARDINESS ZONE MAP

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



TREES OVER 4 1/2 IN DIAMETER



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\02083312-shr-detail.dwg		CHECKED -	REVISED -
		DATE -	REVISED -

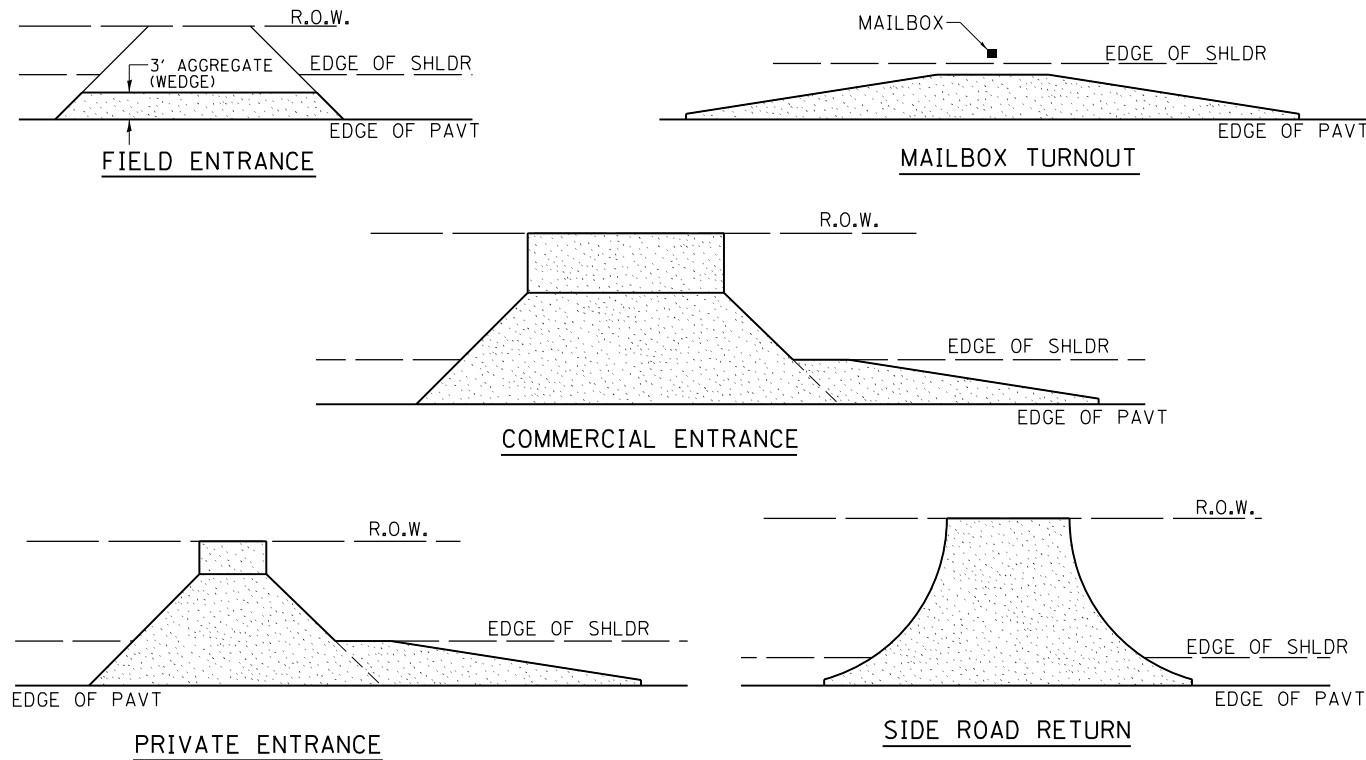
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

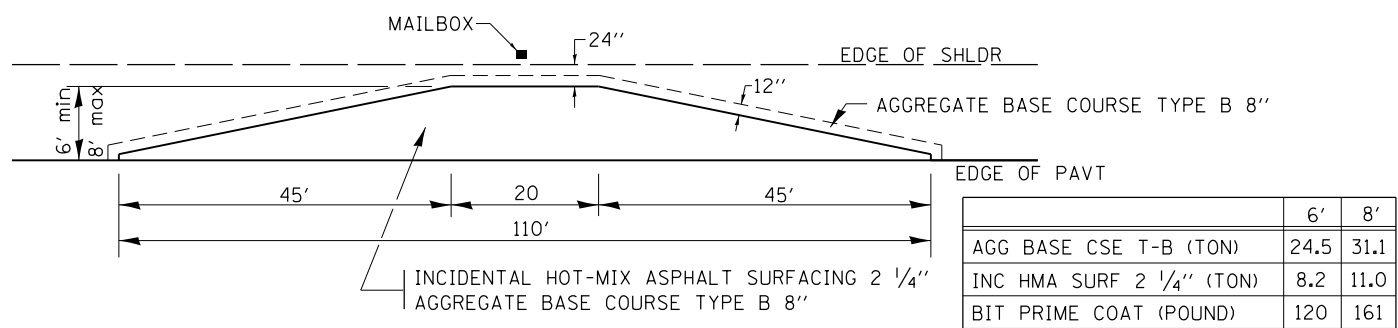
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F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106.107)RS-5	OGLE	196	85
CONTRACT NO. 64H61				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

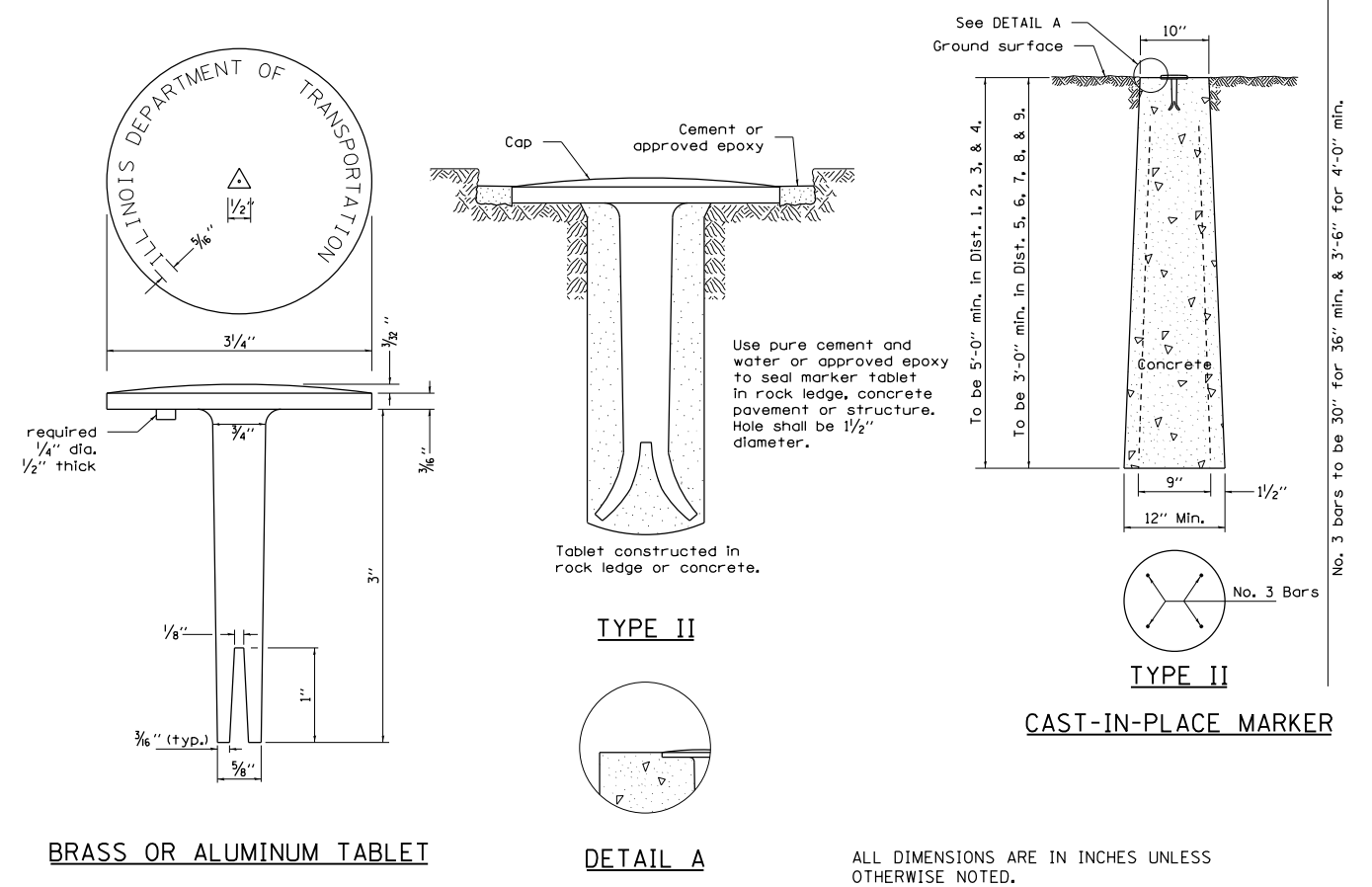


- NOTE:** EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.
- EXISTING AGG. PE's & CE's
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on existing entrance to conform to the present configuration.
- 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.

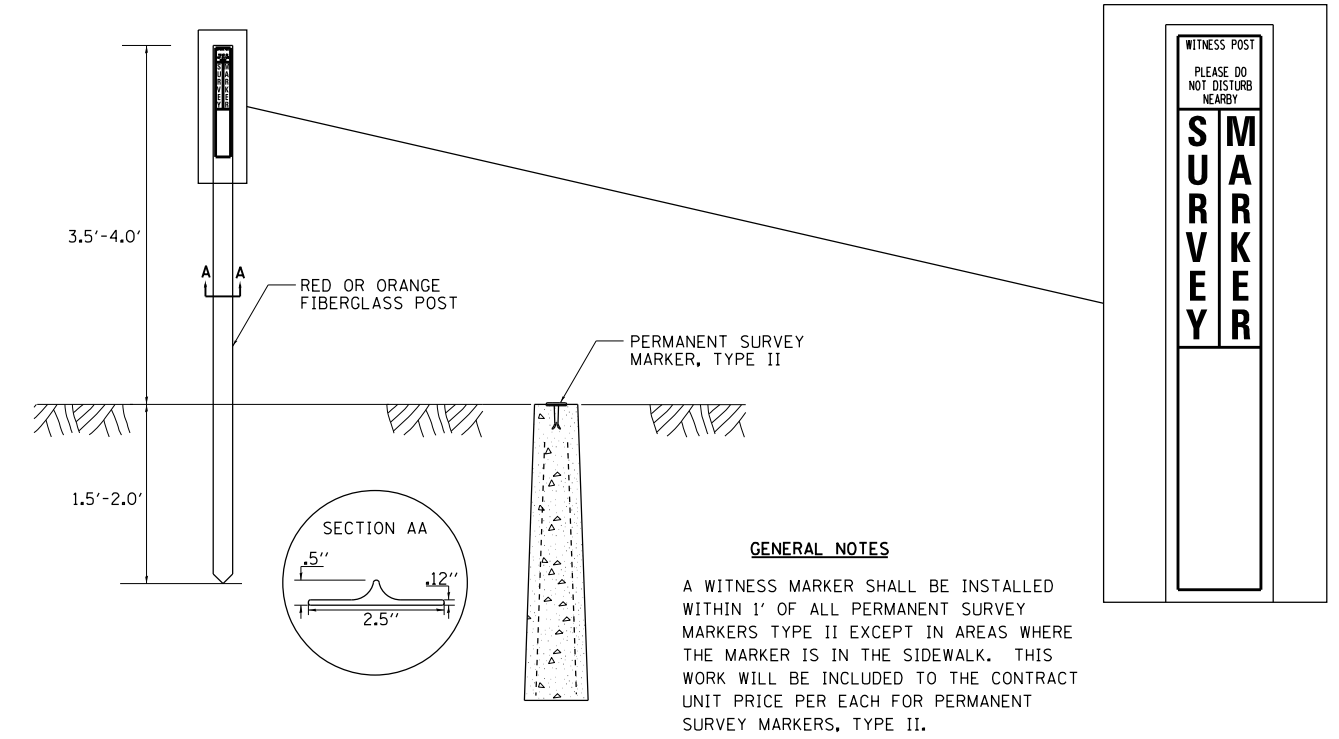


	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2 1/4" (TON)	8.2	11.0
BIT PRIME COAT (POUND)	120	161

PERMANENT SURVEY MARKERS, TYPE II



WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

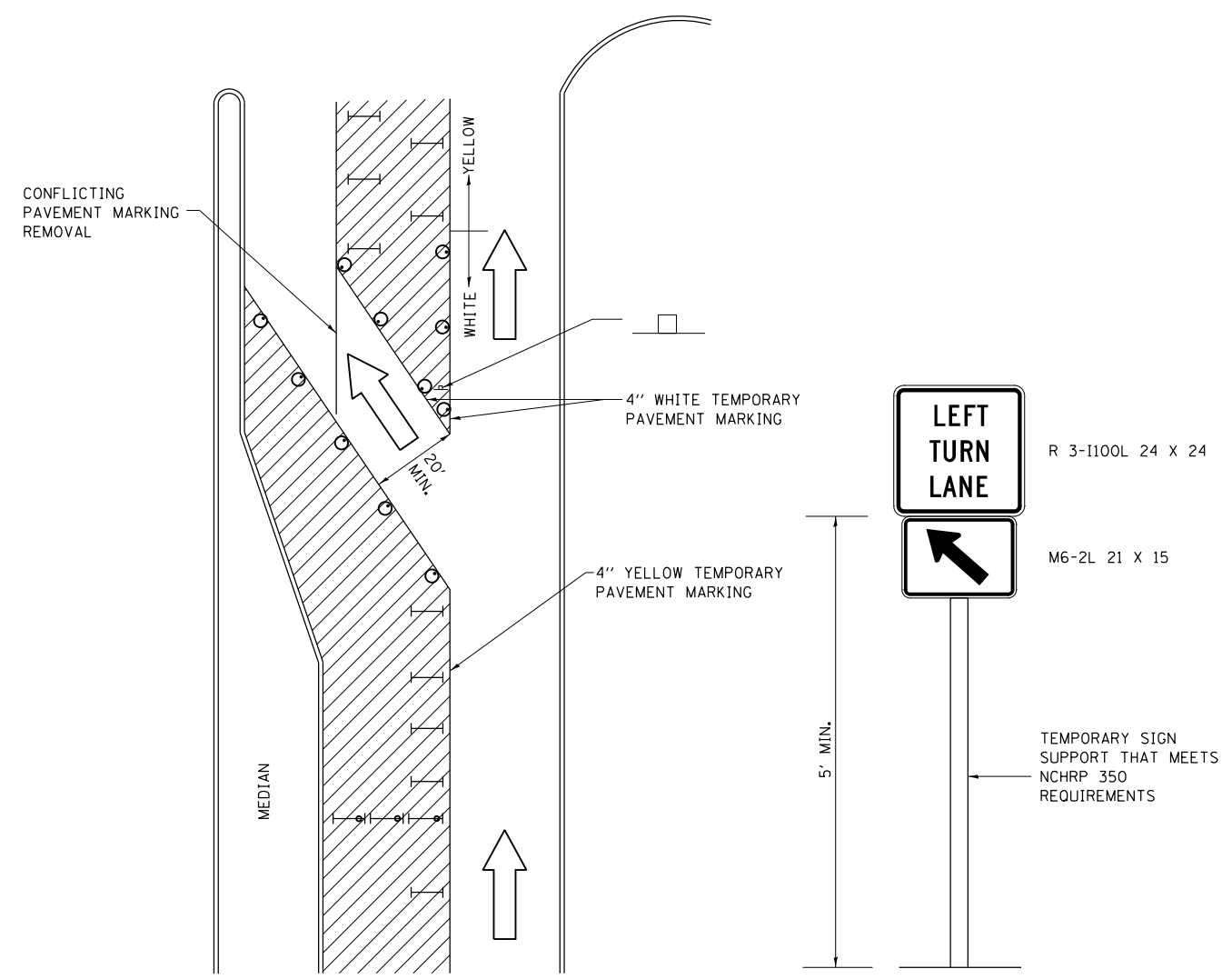


PLOT DATE = May-04-2017 10:35:50 AM

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

REVISION 1	REVISION 2	REVISION 3	REVISION 4	REVISION 5	REVISION 6	REVISION 7	REVISION 8	REVISION 9	REVISION 10
REVISION 1	REVISION 2	REVISION 3	REVISION 4	REVISION 5	REVISION 6	REVISION 7	REVISION 8	REVISION 9	REVISION 10
REGION 2 / DISTRICT 2 STANDARD									
SCALE: 1/8" = 1'-0"		SHEET NO. 47.2		OF 100 SHEETS		STA. _____		TO STA. _____	
F.A. #	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
*		(106.107)RS-5	OGLE	196	86	CONTRACT NO. 64H61			
* FAS 1042 (IL251) & FAU 5454 (IL 251)									
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT									

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



LEGEND

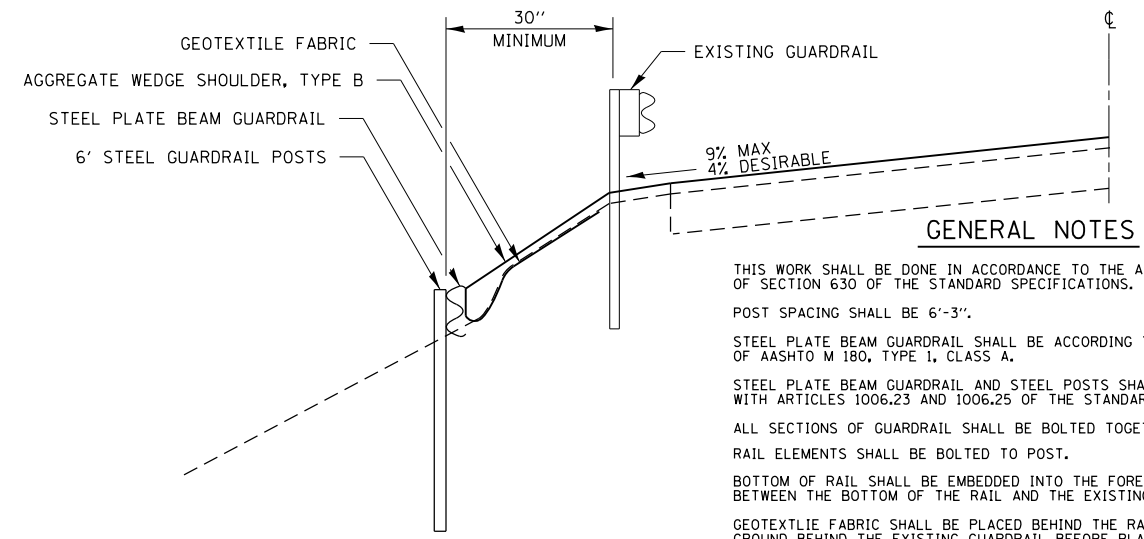
- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

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



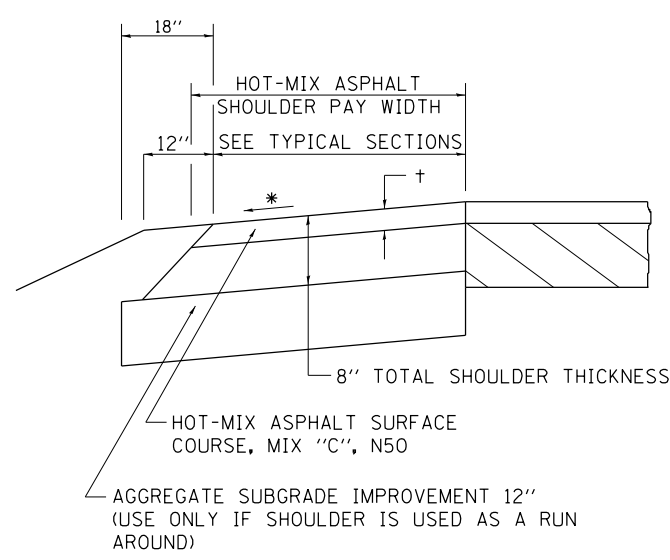
GENERAL NOTES

- 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

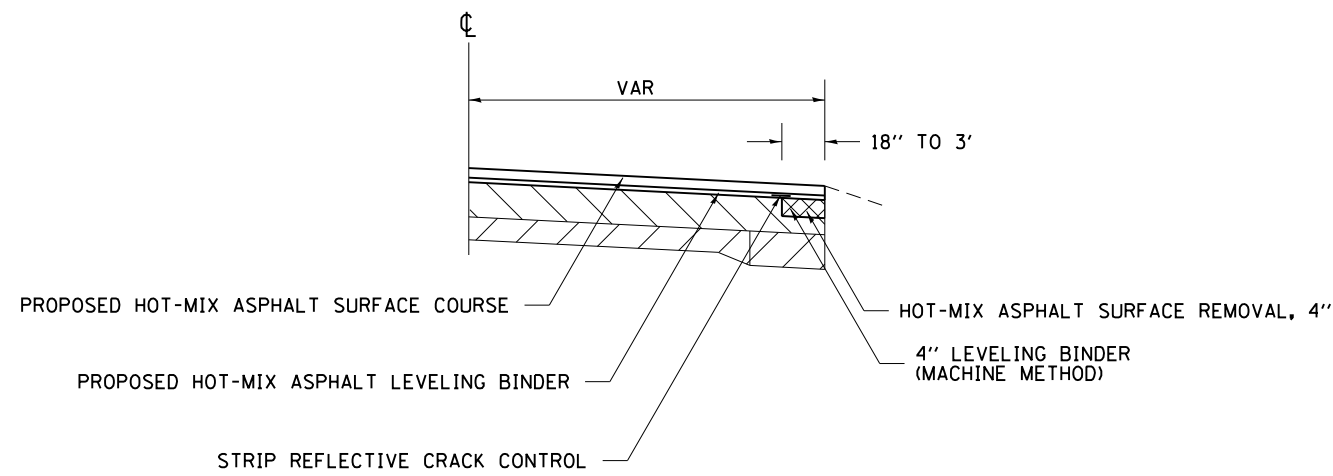
- THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.
- THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT 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		* FAS 1042 (IL251) & FAU 5454 (IL 251)	
REVISED - 3-13-13	SCALE: 1/2" = 1'-0"	SHEET NO. ___ OF ___ SHEETS	SECTION (106.107)RS-5	TOTAL SHEETS .87
REVISED -	STATIONING TO STA. _____		COUNTY OGLE	SHEET NO. 87
REVISED -	CONTRACT NO. 64H61		CONTRACT NO. 64H61	

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

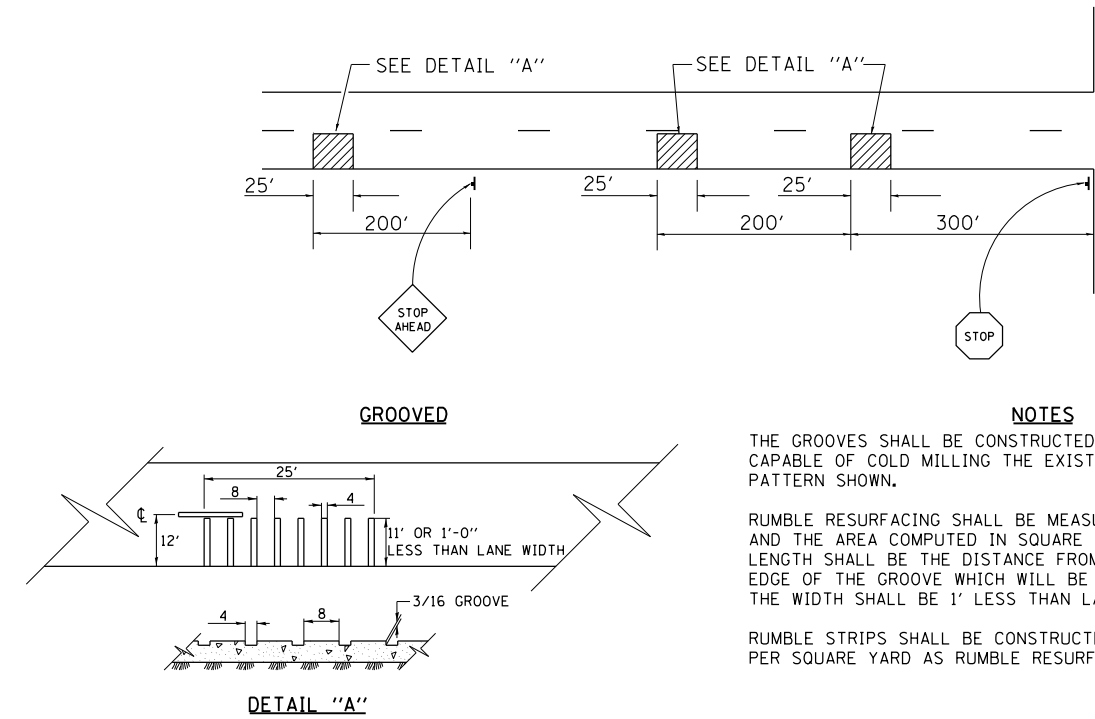
EDGE OF PAVEMENT REPAIR



REVISED - 4-04-11

EDGE OF PAVEMENT REPAIR 38.4

RUMBLE RESURFACING

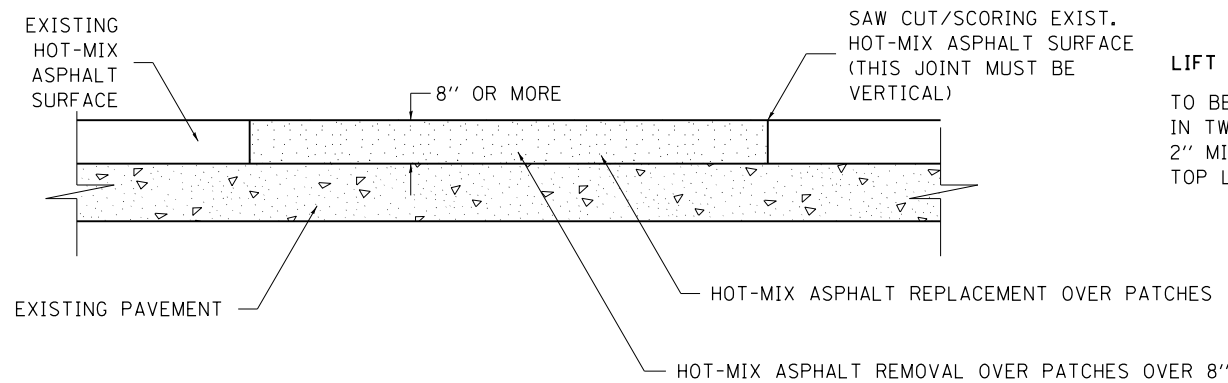


REVISED - 10-05-11

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

RUMBLE RESURFACING 91.4

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.

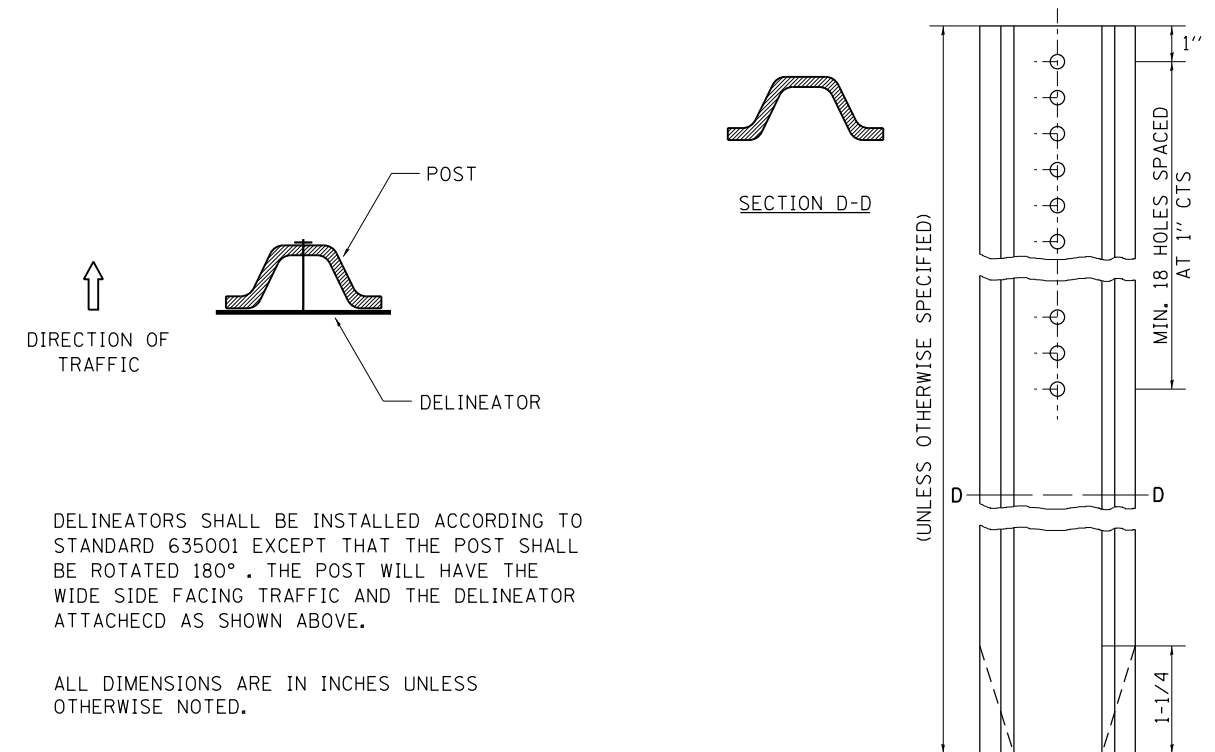
- GENERAL NOTES:**
1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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 ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

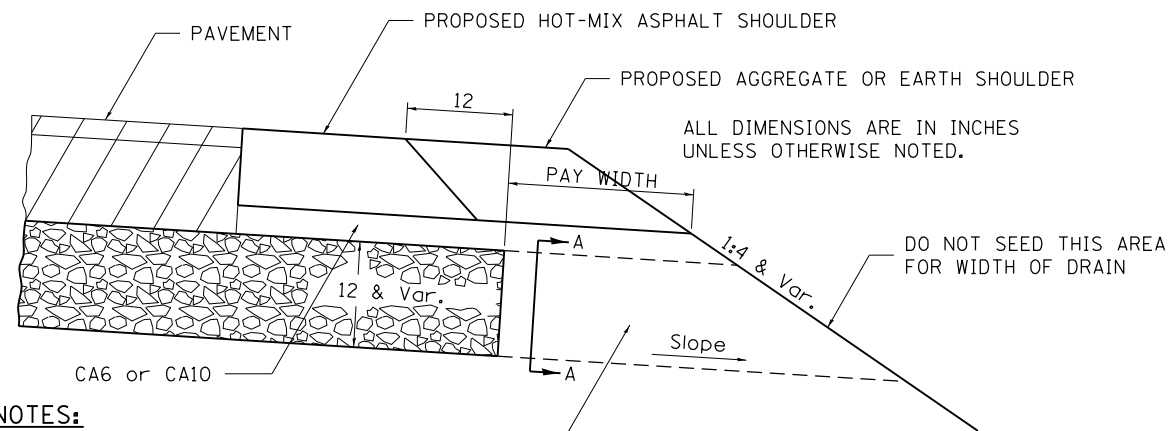
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REVISED -				* (106.107)RS-5	OGLE	.196	.88	
REVISED -				CONTRACT NO. 64H61				
REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: 1/4" = 1'-0" SHEET NO. OF SHEETS STA. TO STA.								

DELINEATOR AND POST ORIENTATION 37.4

PLOT DATE = May-04-2017 10:35:51 AM

DRAIN FOR AGGREGATE BASE COURSE



NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per CUBIC YARD for FRENCH DRAINS. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in CU YD, the width being 36 by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per SQ. YD. for AGGREGATE SUBGRADE IMPROVEMENT of the thickness specified. The fabric to be used shall conform to the Geotechnical Fabric For French Drains

REVISED - 8-27-13
REVISED - 10-09-12

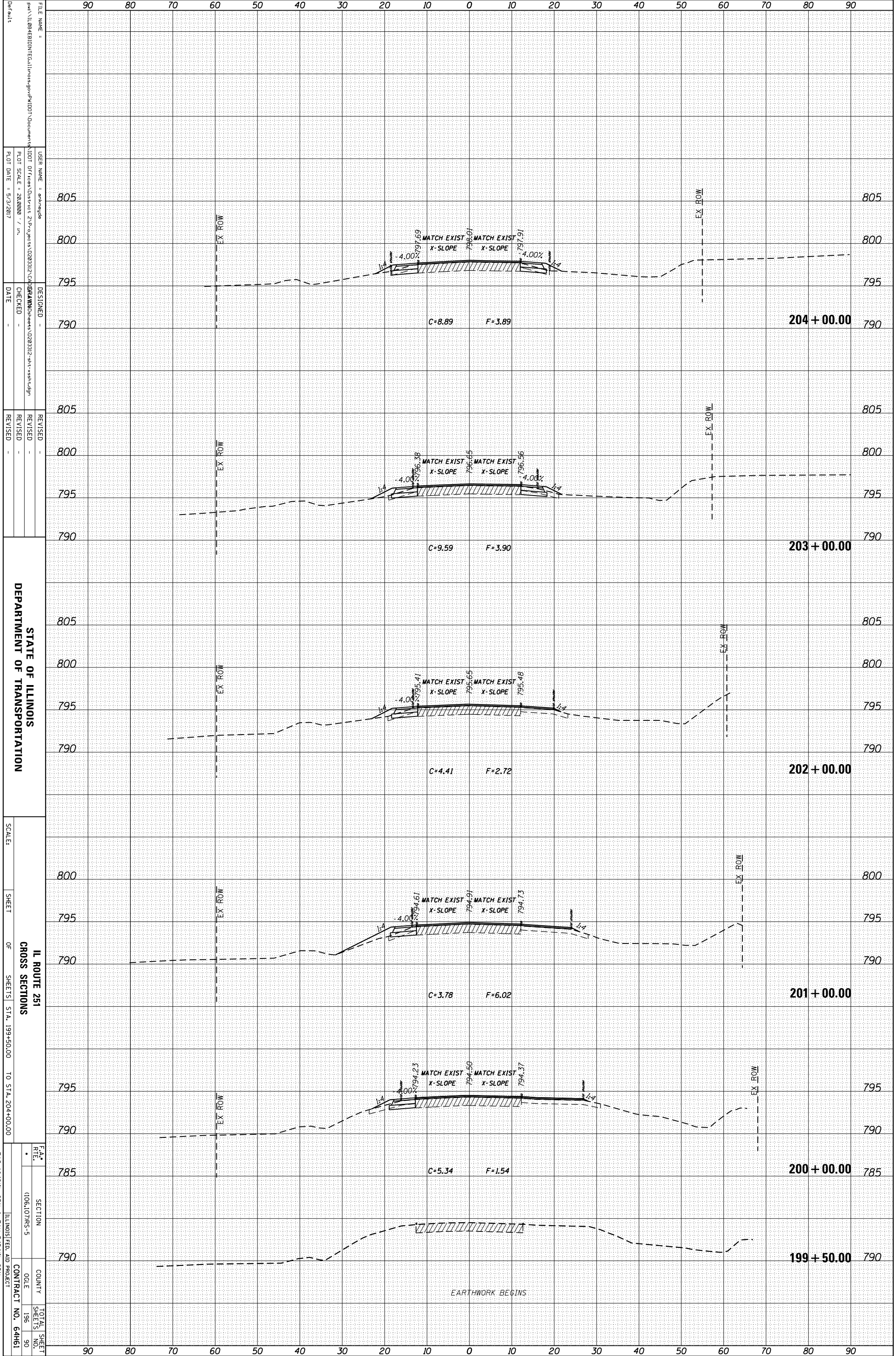
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REVISED - ____		FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT				

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

PLOT DATE = May-04-2017 10:35:51 AM

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NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
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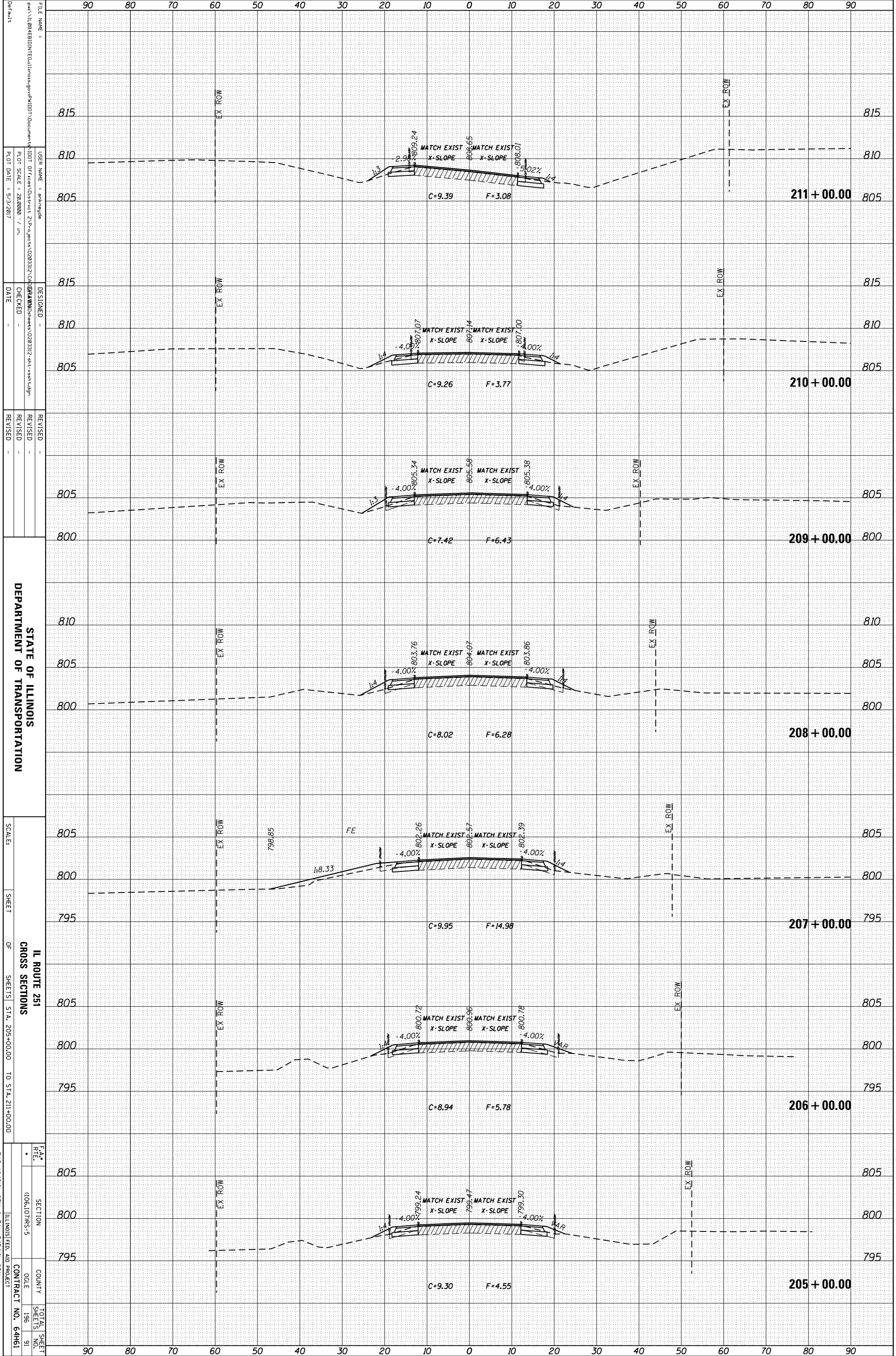


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 DEPARTMENT OF TRANSPORTATION
 SCALE:
 SHEET OF SHEETS STA. 199+50.00 TO STA. 204+00.00
 IL ROUTE 251
 CROSS SECTIONS
 F.A. RTE. SECTION COUNTY TOTAL SHEET SHEETS NO. DATE CONTRACT NO. 64461
 ILLINOIS FED. AID PROJECT

* FAS 1042(ILL 251) & FAU 545(ILL 251)

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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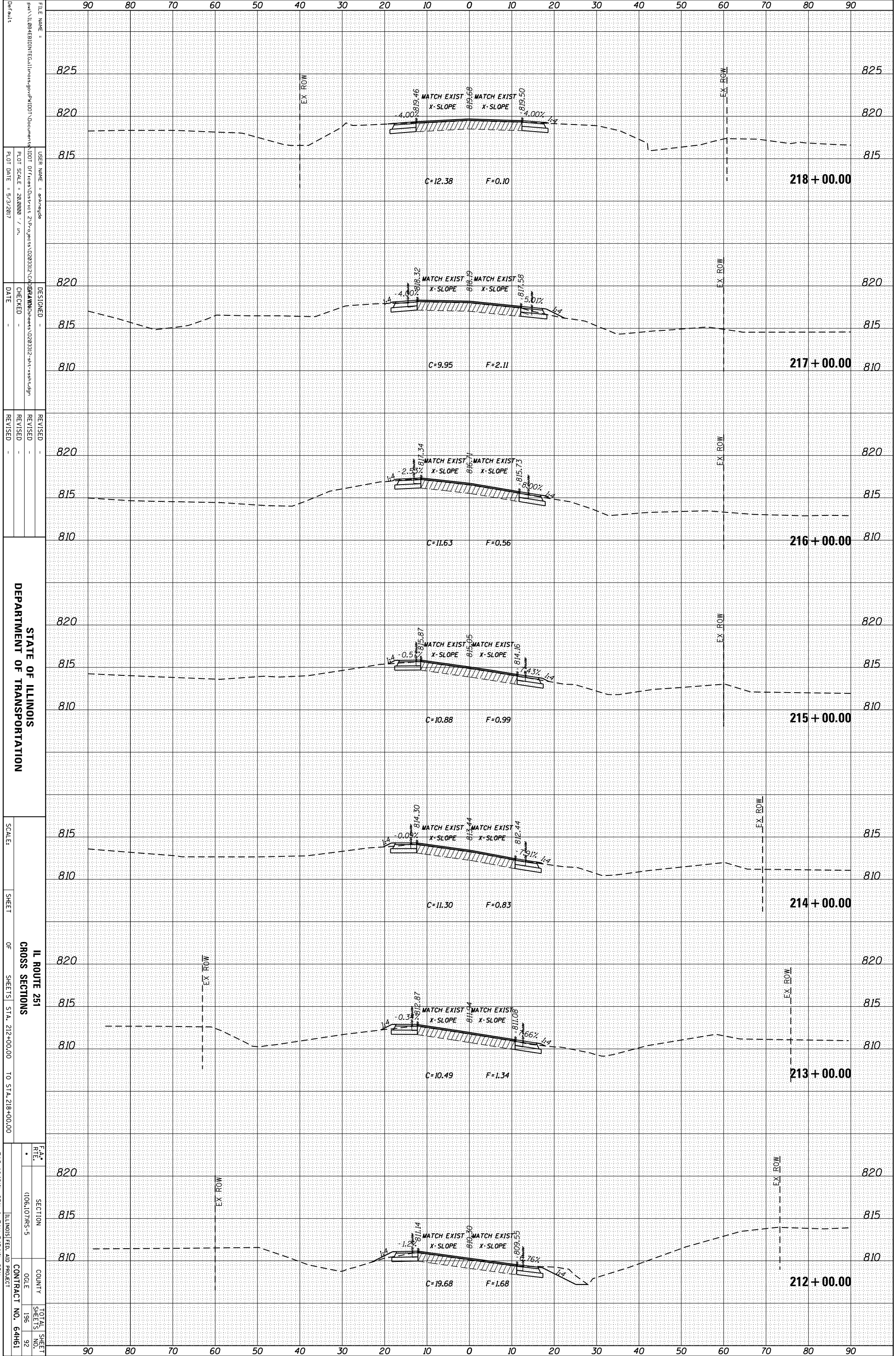


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 SHEET OF SHEETS:
 STA. 205+00.00 TO STA. 211+00.00
 IL ROUTE 251
 CROSS SECTIONS
 DEPARTMENT OF TRANSPORTATION
 STATE OF ILLINOIS
 CONTRACT NO. 64H61
 TOTAL SHEETS: 196
 SHEET NO.: 91
 COUNTY:
 DATE:
 ILLINOIS FED. AID PROJECT

* FAS 1042(ILL 251) & FAU 545(ILL 251)

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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SECTION 1006.10/7MS-5
CONTRACT NO. 64H61

FAA RITE 1006.10/7MS-5
CONTRACT NO. 64H61

IL ILLINOIS FED. AID PROJECT
FAA 1042/IL 251 & FAU 9454/IL 251

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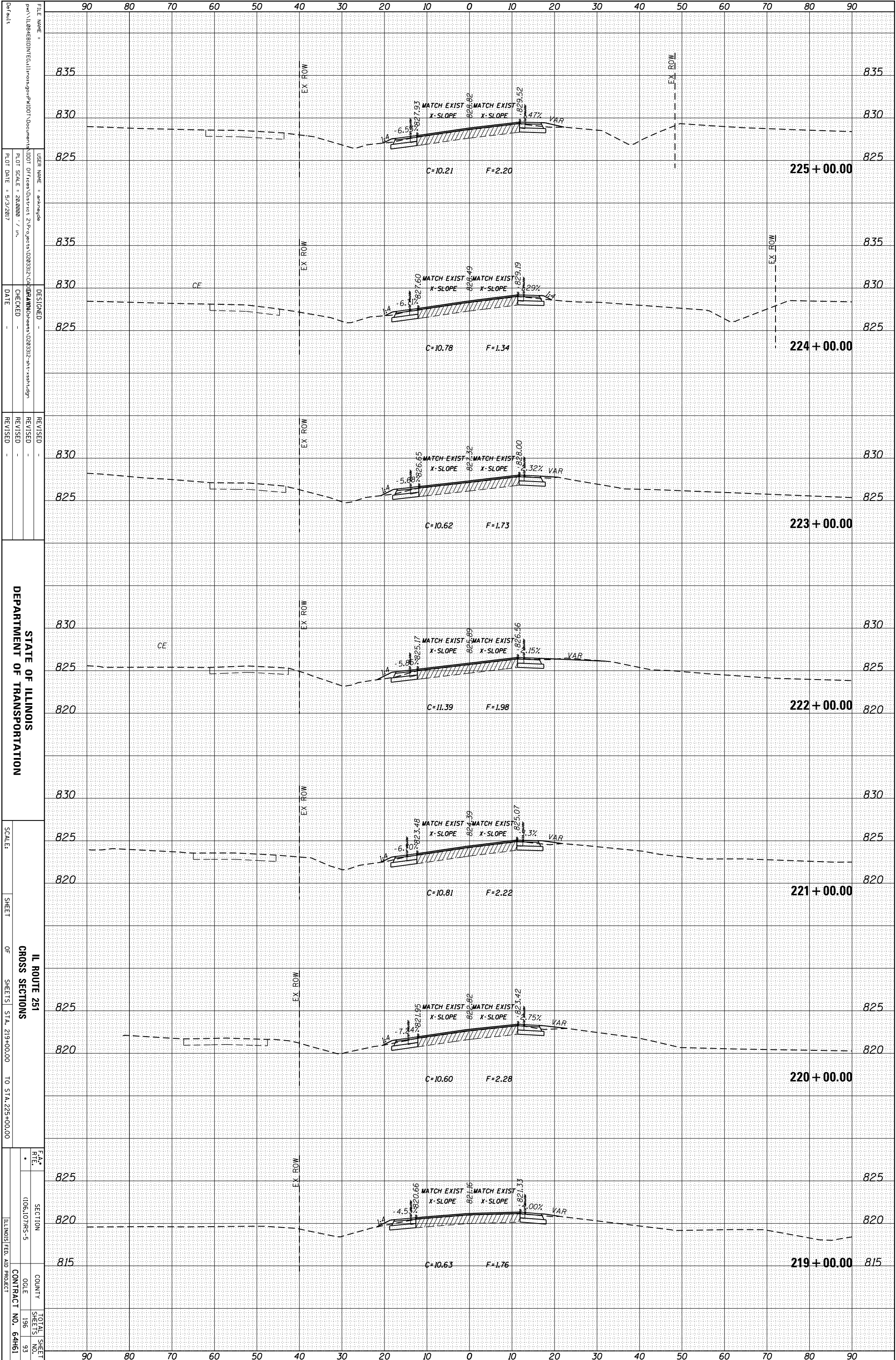
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	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

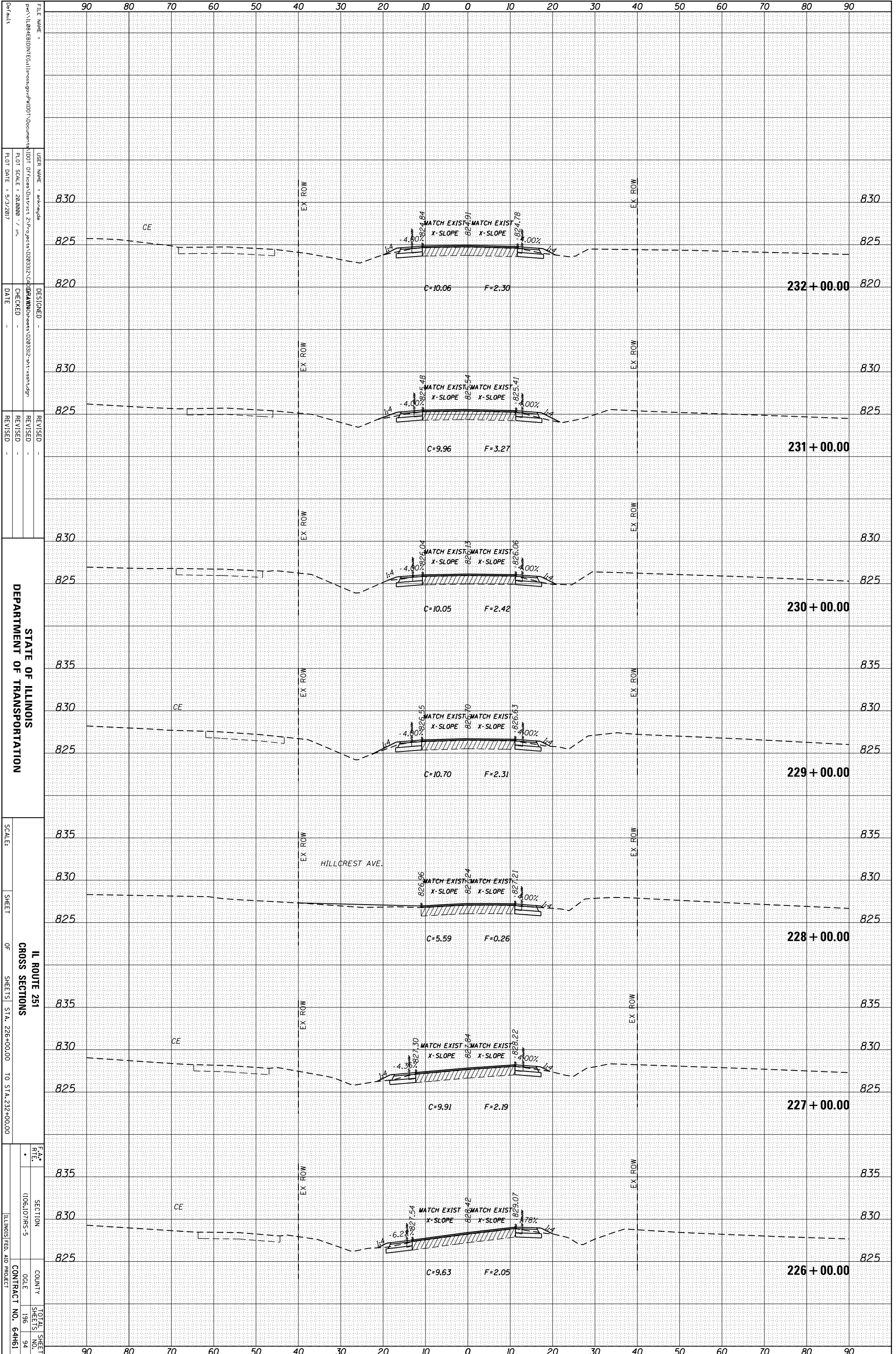
IL ROUTE 251
CROSS SECTIONS
SHEET 196 OF 196
STA. 219+00.00 TO STA. 225+00.00

CONTRACT NO. 64H61
TOTAL SHEETS 196
SHEET NO. 196

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
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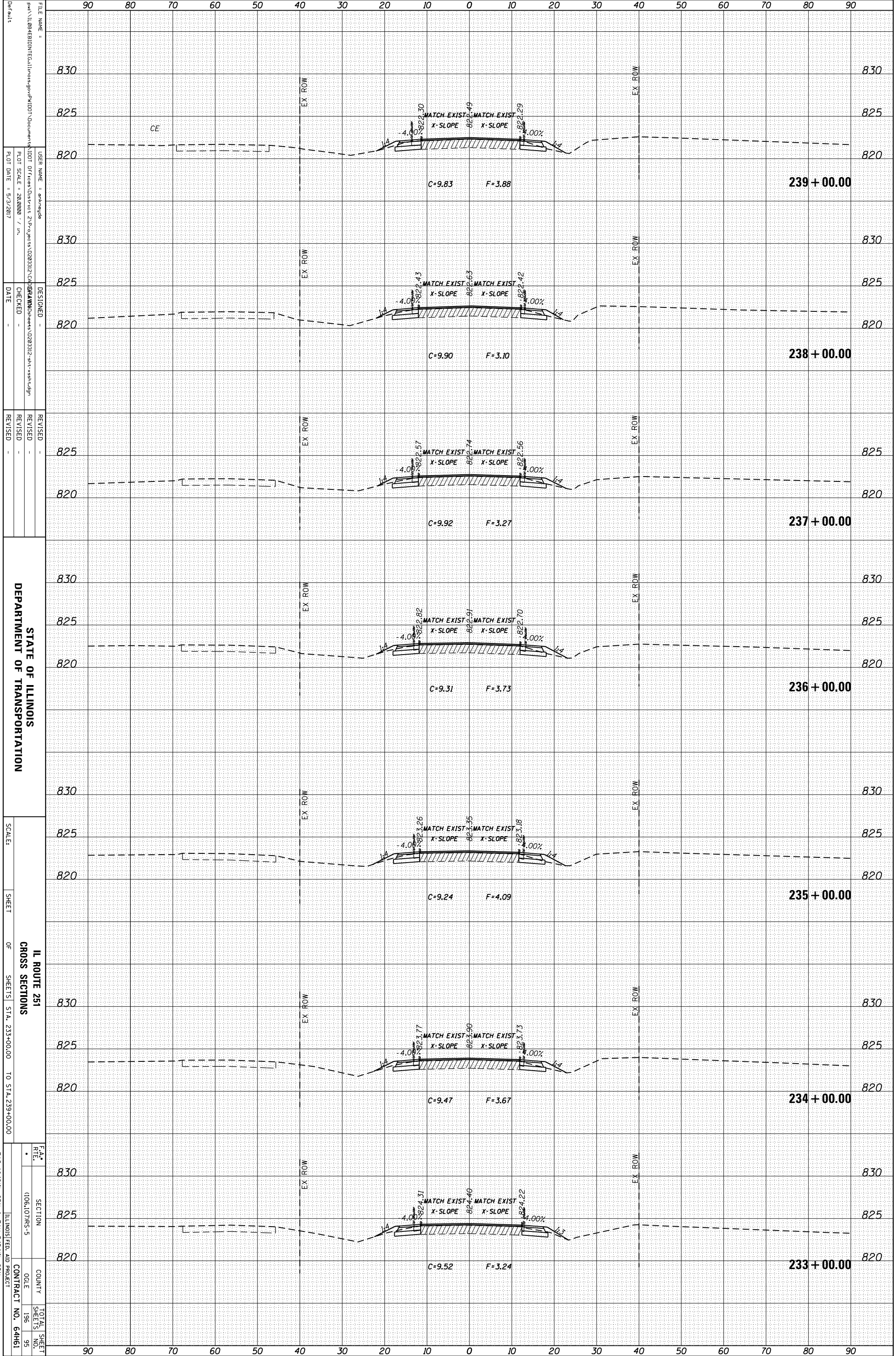
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA. 226+00.00	TO STA. 232+00.00
IL ROUTE 251 CROSS SECTIONS					
SECTION	COUNTY	TOTAL SHEETS	CONTRACT NO. 64H61		
1006.107/MS-5	ILLINOIS	196	94		

FA 1042/IL 251 & FA 545/IL 251

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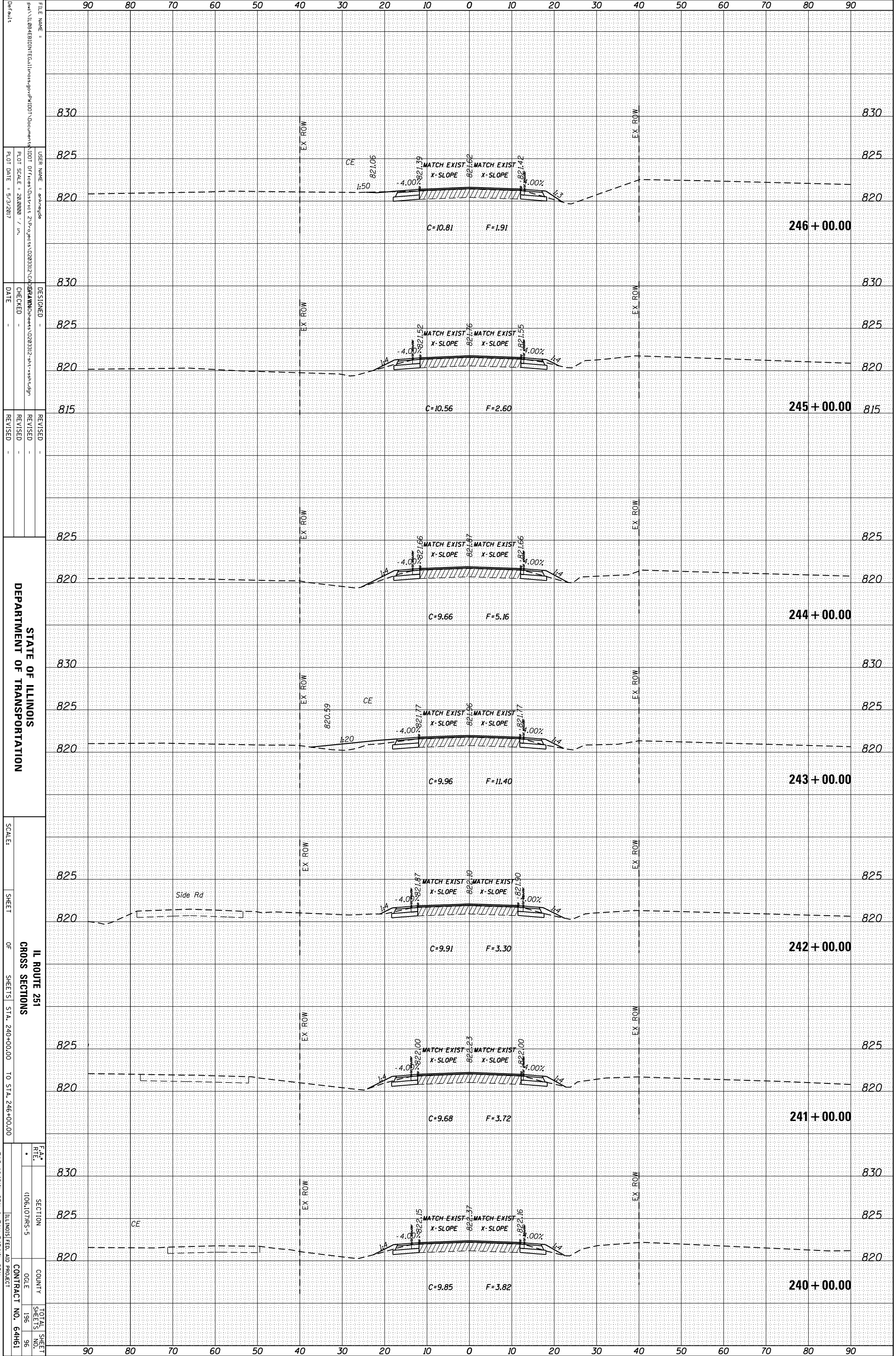
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 CHECKED -
 DATE -
 DESIGNED -
 REVISED -
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 REVISED -
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 DEPARTMENT OF TRANSPORTATION
 IL ROUTE 251
 CROSS SECTIONS
 SECTION 1006.107/MS-5
 COUNTY ILLINOIS
 CONTRACT NO. 64H61
 TOTAL SHEET NO. 196
 SHEET NO. 95
 ILLINOIS FED. AID PROJECT
 * FAS 1042/IL 251 & FAU 5454/IL 251

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NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
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 PLOT DATE = 5/3/2017

DESIGNED -
 CHECKED -
 DATE -

REVISOR -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: ...

SHEET ... OF ... SHEETS

IL ROUTE 251
 CROSS SECTIONS
 STA. 240+00.00 TO STA. 246+00.00

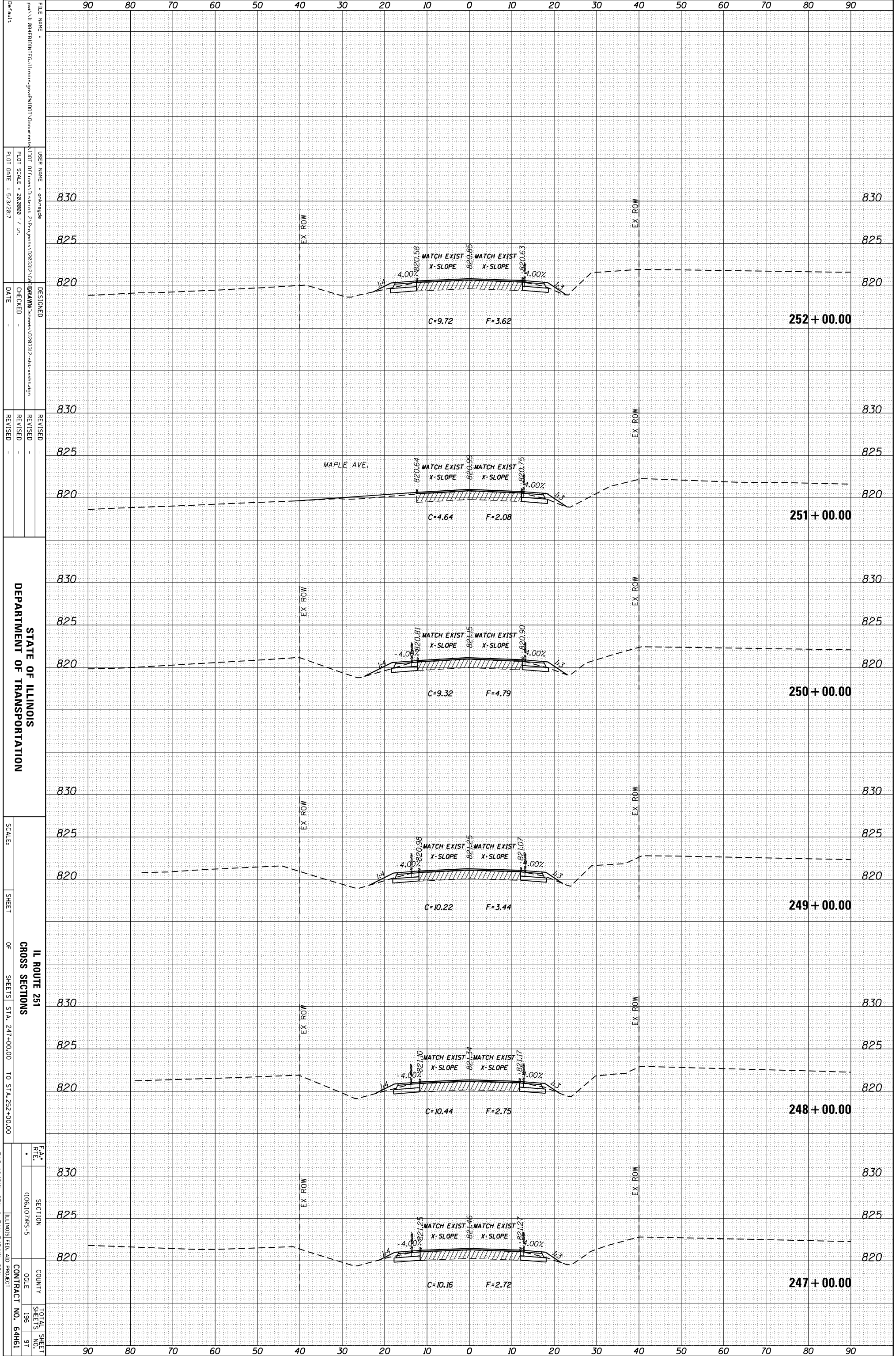
SECTION NO. 106.107MS-5
 COUNTY ...
 CONTRACT NO. 64H61

TOTAL SHEETS 196
 SHEETS NO. 96

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

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NOTE BOOK	PLOTTED _____		
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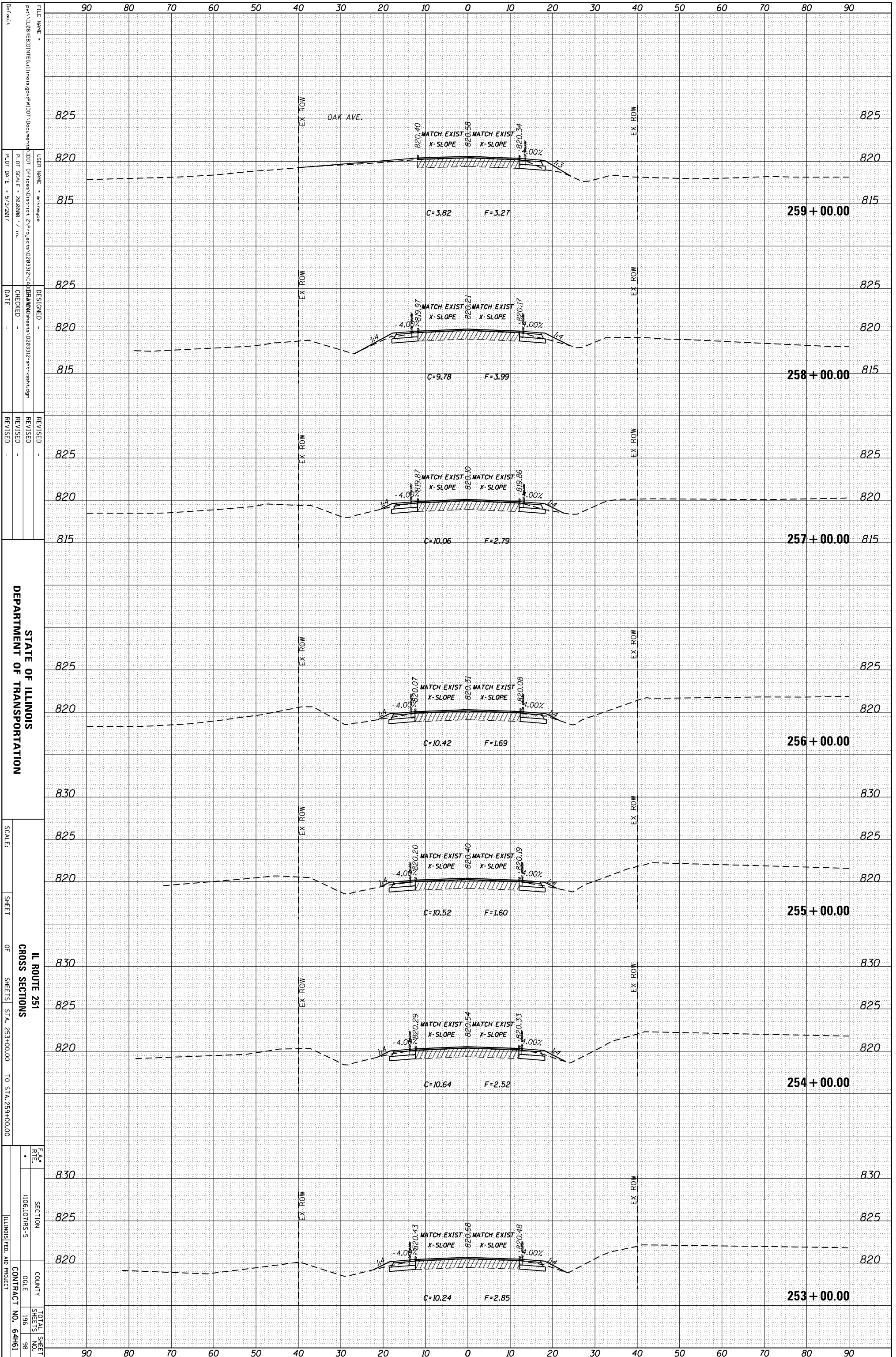
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 DESIGNED -
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 DEPARTMENT OF TRANSPORTATION
 SCALE:
 SHEET OF SHEETS STA. 247+00.00 TO STA. 252+00.00
 IL ROUTE 251
 CROSS SECTIONS
 SECTION 1006.107/MS-5
 COUNTY ILLINOIS
 CONTRACT NO. 64H61
 TOTAL SHEET NO. 196
 SHEET NO. 97
 ILLINOIS FED. AID PROJECT
 * FAS 1042/IL 251 & FAU 5454/IL 251

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

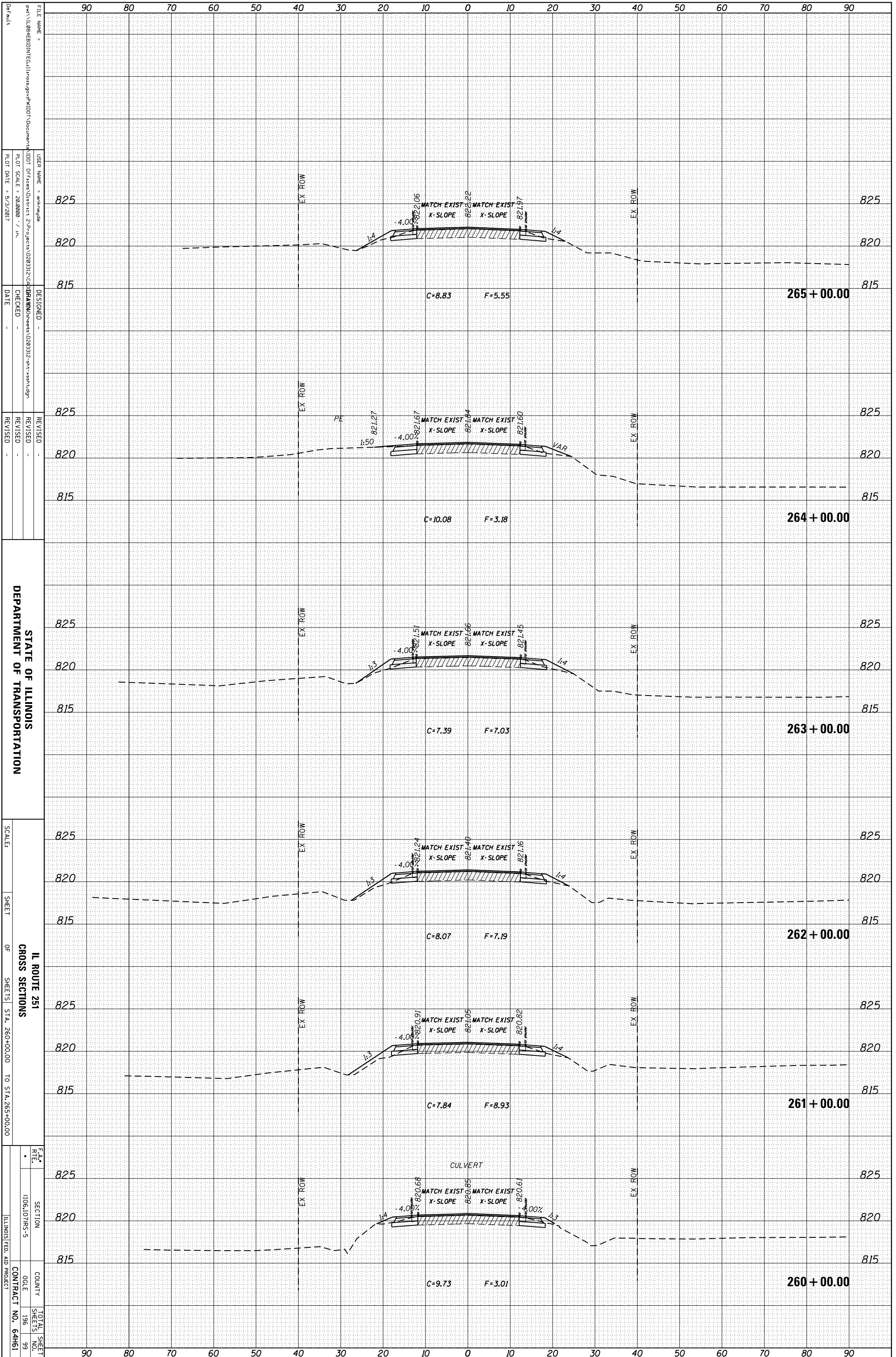
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CROSS SECTIONS
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FILE NAME	USER NAME	DESIGNED	REVISED
PROJECT	PROJECT	PROJECT	PROJECT
DATE	DATE	DATE	DATE

FA 1042(ILL 251) & FAU 545(ILL 251)
ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
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FINAL SURVEY	SURVEYED	BY	DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

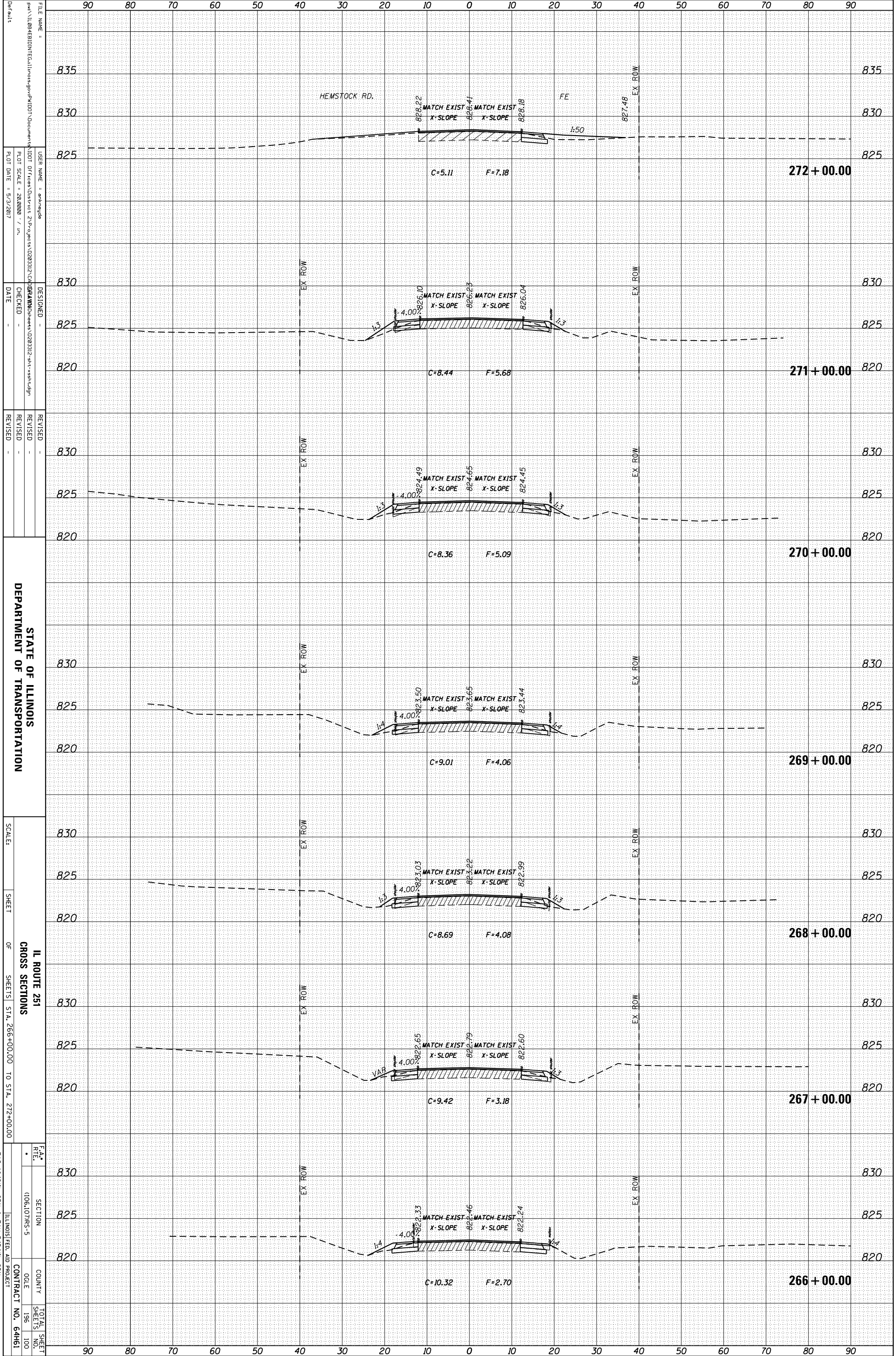
IL ROUTE 251
CROSS SECTIONS
SHEETS STA. 260+00.00 TO STA. 265+00.00

SECTION 1006.10/7MS-5
COUNTY COLE
CONTRACT NO. 64H61

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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FILE NAME: ...
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 SCALE: ...
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 IL ROUTE 251 CROSS SECTIONS
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 CONTRACT NO. 64H61
 TOTAL SHEET NO. 100
 SHEET NO. 196

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