

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

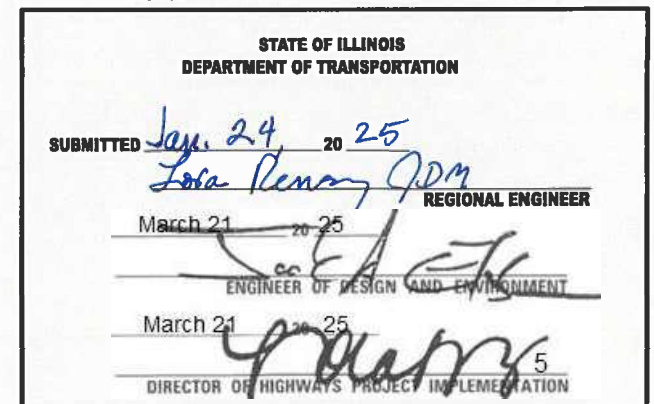
PROPOSED HIGHWAY PLANS

**FAP ROUTE 789 (IL 143)
SECTION 125RS-6
PROJECT NHPP-1PKY(698)
STANDARD OVERLAY
MADISON COUNTY**

C-98-055-25

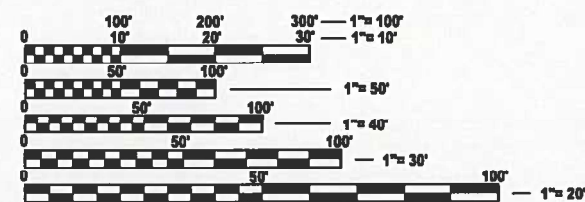


FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2023 ADT = 11700 (ACTUAL)
2025 ADT = 11900 (ESTIMATED)
2045 ADT = 13600 (ESTIMATED)
S.U. = 4.7% M.U. = 2.2%



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OF THE STATE OF ILLINOIS**

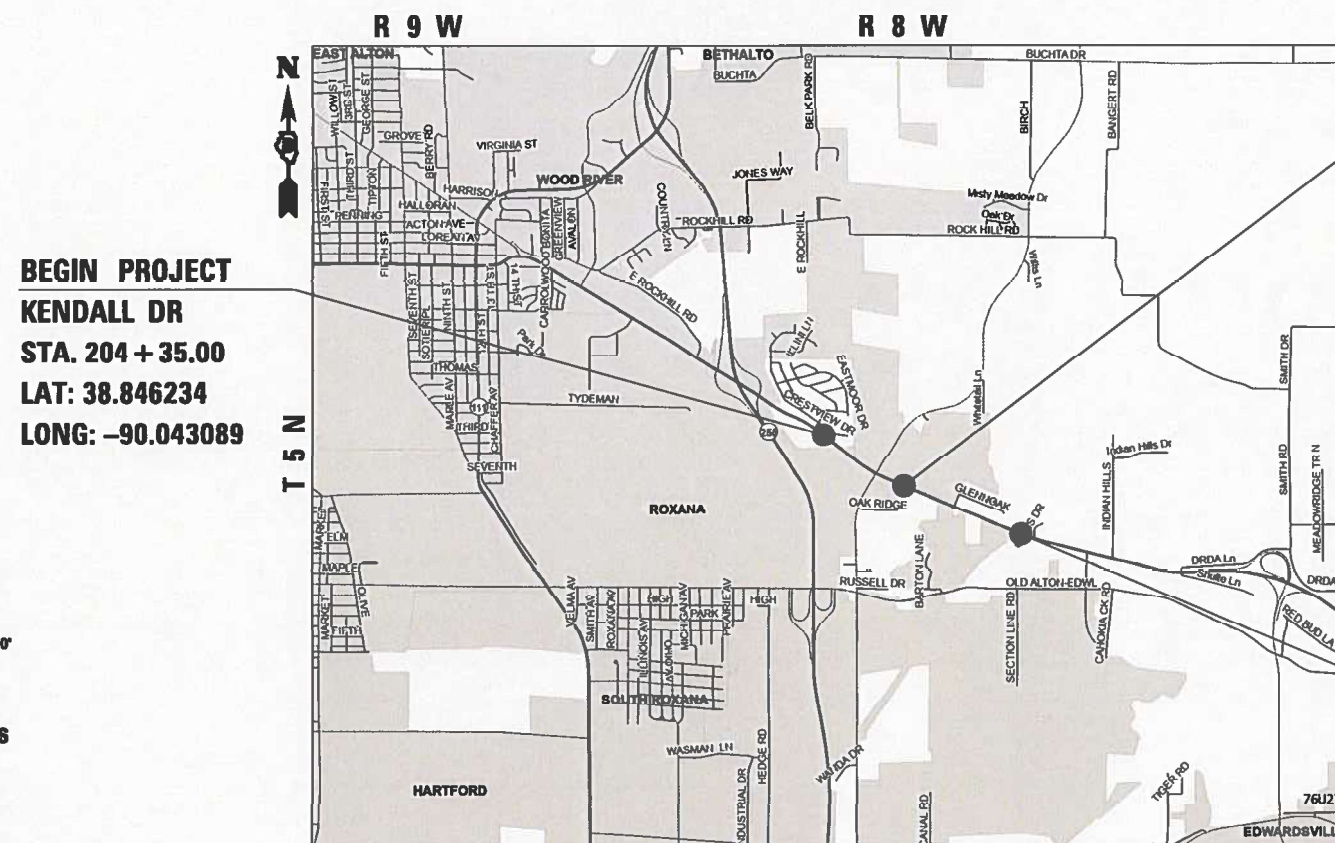
FOR INDEX OF SHEETS, SEE SHEET NO. 2



**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: CHERYL KEPLAR
PROJECT MANAGER: BRANDON HUMPHREYS

CONTRACT NO. 76U27

GROSS LENGTH = 7029 FT. = 1.33 MILE
NET LENGTH = 6727 FT. = 1.27 MILE

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, MIXTURE REQUIREMENT AND COMMITMENTS
3-5	SUMMARY OF QUANTITIES
6-11	TYPICAL SECTIONS
12-14	SCHEDULE OF QUANTITIES
15	PAVEMENT MARKING
16-18	GUARDRAIL PLANS
19-20	DETECTOR LOOP
21	DETAIL
22	LOCATION MAP

GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:

AMEREN ILLINOIS
AT&T ILLINOIS
BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE
CHARTER COMMUNICATIONS, INC.
EVERSTREAM GLC HOLDING COMPANY LLC
EXPLORER PIPELINE COMPANY
NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT
PLAINES MARKETING, LP
CITY OF WOOD RIVER
2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
3. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
4. FOUR CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ALONG IL 143, WANDA ROAD AND SOUTH MORELAND ROAD OR AT THE DIRECTION OF THE ENGINEER.
5. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
6. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
7. ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL."
8. THE TEMPORARY RAMPS USED ON ALL SIDE STREETS AND ENTRANCES SHALL BE 3 FEET IN LENGTH SO AS NOT TO INTERFERE WITH THE THRU TRAFFIC LANES.
9. BASED ON STRUCTURAL ANALYSIS CONDUCTED BY IDOT, THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTION:

• 060-0349 (40 TONS)

IF THE SAME MTD IS USED THROUGHOUT THE ENTIRE CONTRACT, THEN IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT ≤ 40 TONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATION AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442101-09	CLASS B PATCHES
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701011-04	OFF ROAD MOVING OPERATIONS, 2L,2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

COMMITMENTS

NONE

MIXTURE REQUIREMENTS			
MIXTURE USE	SURFACE	BINDER	SHOULDER (surface)
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5 FG	IL 9.5L
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	
QUALITY MGMT PROGRAM	QCP	QCP	QC/QP
MatTranDev Required?	yes	yes	NO

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		DRAWN -	REVISED -					789	125RS-6	MADISON	22	2
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0005 URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	19020	19020
40600370	LONGITUDINAL JOINT SEALANT	FOOT	8016	8016
40600405	MATERIAL TRANSFER DEVICE	TON	3740	3740
40600990	TEMPORARY RAMP	SQ YD	590	590
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	1700	1700
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2040	2040
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	30122	30122
44213204	TIE BARS 3/4"	EACH	106	106
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	221	221
48203100	HOT-MIX ASPHALT SHOULDERS	TON	898	898
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1512.5	1512.5
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	9	9

* SPECIALTY ITEM

	USER NAME = edison.zohfanyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/22/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 3	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0005 URBAN
63200310	GUARDRAIL REMOVAL	FOOT	1837.5	1837.5
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	224	224
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1780	1780
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	597	597
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	590	590
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	31647	31647
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	395	395
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	48	48

	USER NAME = edison.zohfonyl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONSTR. CODE
				80% FED 20% STATE
	CODE NO.	ITEM	UNIT	ROADWAY
				0005
				URBAN
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	590
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	31647
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	395
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	190
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	42
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	190
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	16905
	X4421385	CLASS C PATCHES, TYPE I, 13 INCH (SPECIAL)	SQ YD	5
	X4421389	CLASS C PATCHES, TYPE II, 13 INCH (SPECIAL)	SQ YD	173
	X4421394	CLASS C PATCHES, TYPE III, 13 INCH (SPECIAL)	SQ YD	198
	X4421396	CLASS C PATCHES, TYPE IV, 13 INCH (SPECIAL)	SQ YD	197
Ø	Z0076600	TRAINEES	HOURL	500
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1020
Ø	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500

* SPECIALTY ITEM

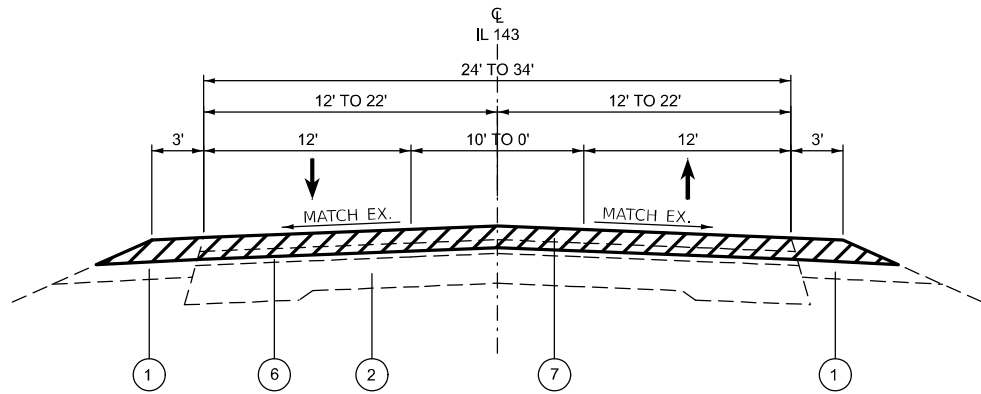
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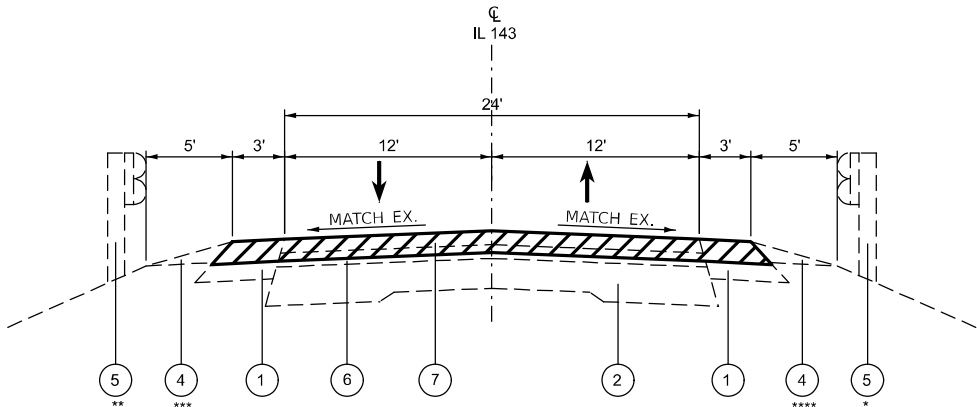
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	PLOT DATE = 1/22/2025	DATE -	REVISED -		SCALE:	SHEET 3	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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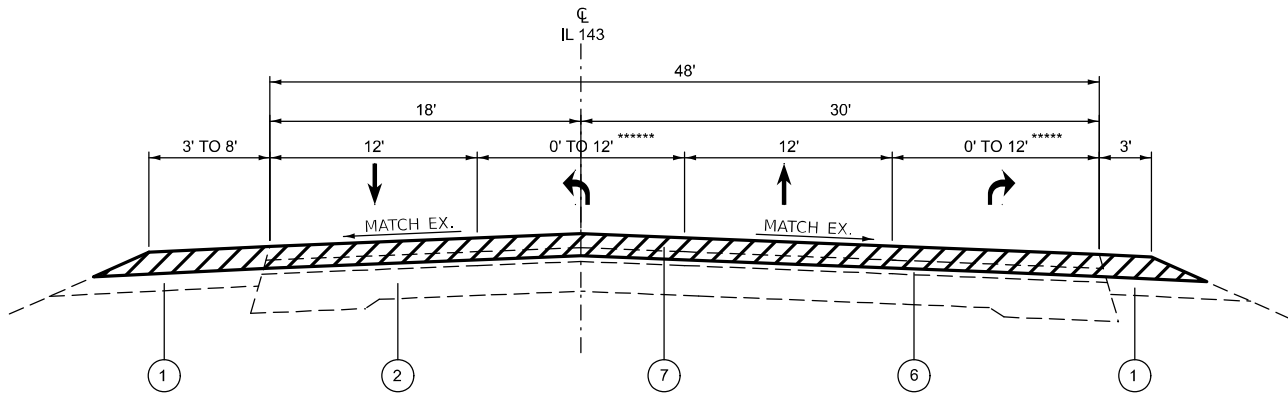
- LEGEND
- 1 EXISTING HMA SHOULDER, 6" TO 10"
 - 2 EXISTING PCC PAVEMENT, (9"-7"-9")
 - 3 EXISTING CONCRETE GUTTER, TYPE A
 - 4 EXISTING AGGREGATE WEDGE SHOULDER, TYPE B
 - 5 EXISTING STEEL PLATE BEAM GUARDRAIL
 - 6 EXISTING HMA OVERLAY, ±4"
 - 7 PROPOSED HMA SURFACE REMOVAL, 2¾" 
 - 8 PROPOSED HMA SHOULDER, 2¾"
 - 9 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - 10 PROPOSED HMA BINDER COURSE, 1¼"
 - 11 PROPOSED HMA SURFACE COURSE, 1½"
 - 12 PROPOSED STEEL PLATE BEAM GUARDRAIL
 - 13 PROPOSED LONGITUDINAL JOINT SEALANT
 - 14 PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- * STA. 212+89.00 TO STA. 216+14.00
- ** STA. 213+10.00 TO STA. 216+60.00
- *** STA. 212+83.00 TO STA. 216+83.00
- **** STA. 212+65.00 TO STA. 216+27.00
- ***** STA. 22198+00 TO STA. 225+73.00
- ***** STA. 220+90.00 TO STA. 226+99.00



EXISTING TYPICAL SECTION IL 143
STA. 204+35.00 TO 207+48.00



EXISTING TYPICAL SECTION IL 143
STA. 207+48.00 TO 221+46.00



EXISTING TYPICAL SECTION IL 143
STA. 221+46.00 TO 226+49.00

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		DRAWN -	REVISED -					789	125RS-6	MADISON	22	6
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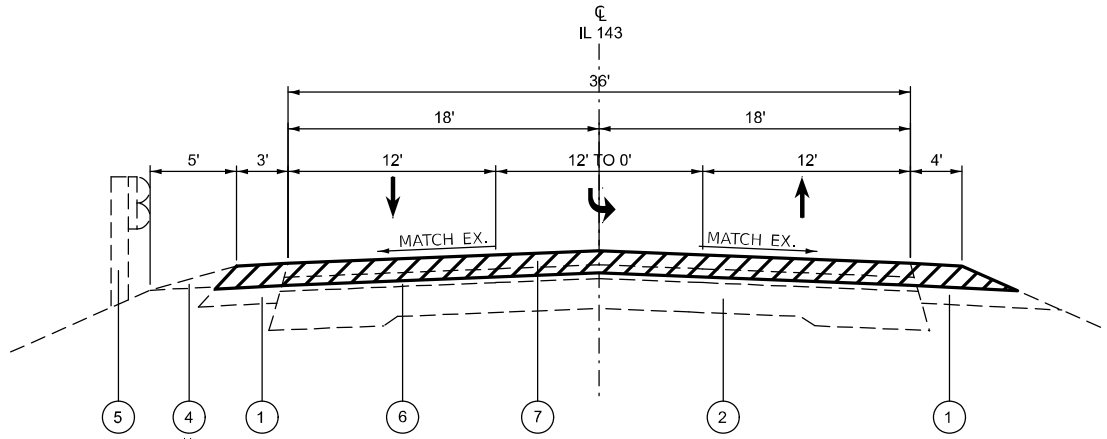
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- 14 PROPOSED BITUMINOUS MATERIAL (TACK COAT)

* STA. 226+73.00 TO STA. 228+06.00

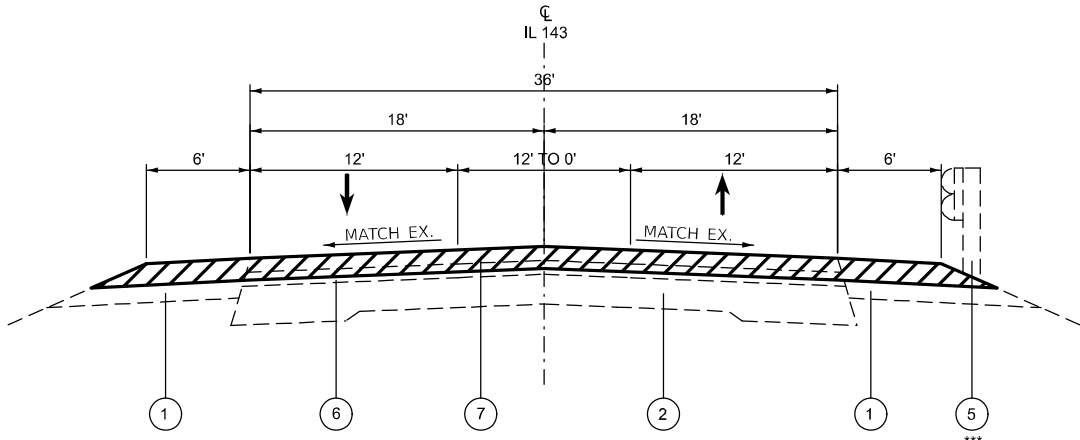
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*** STA. 233+00.00 TO STA. 236+00.00
STA. 238+83.00 TO STA. 240+58.00

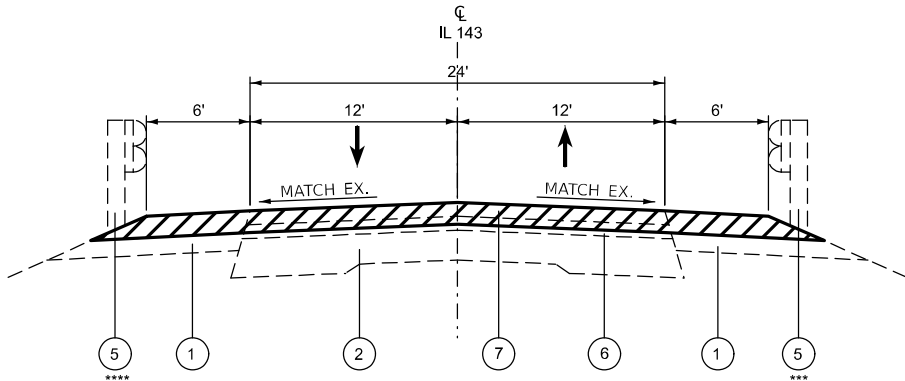
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STA. 238+83.00 TO STA. 241+15.00



EXISTING TYPICAL SECTION IL 143
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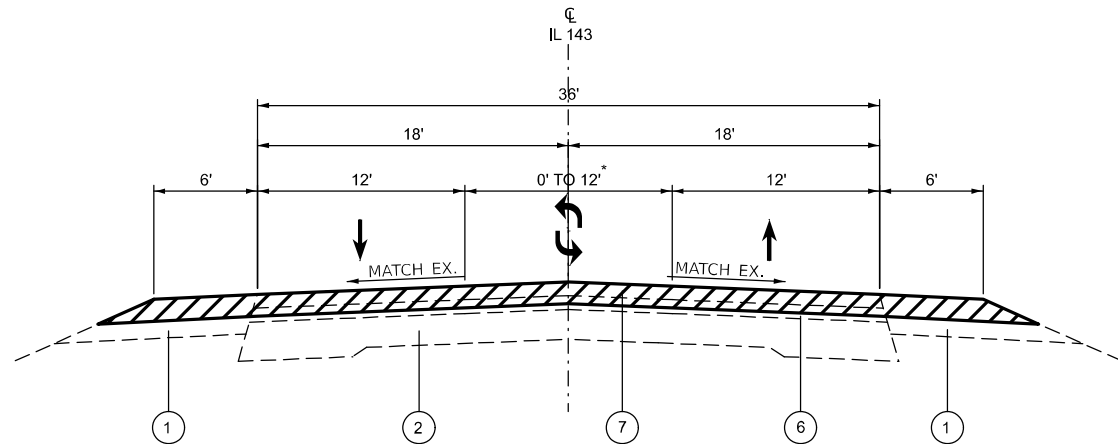


EXISTING TYPICAL SECTION IL 143
STA. 231+06.00 TO 234+73.00

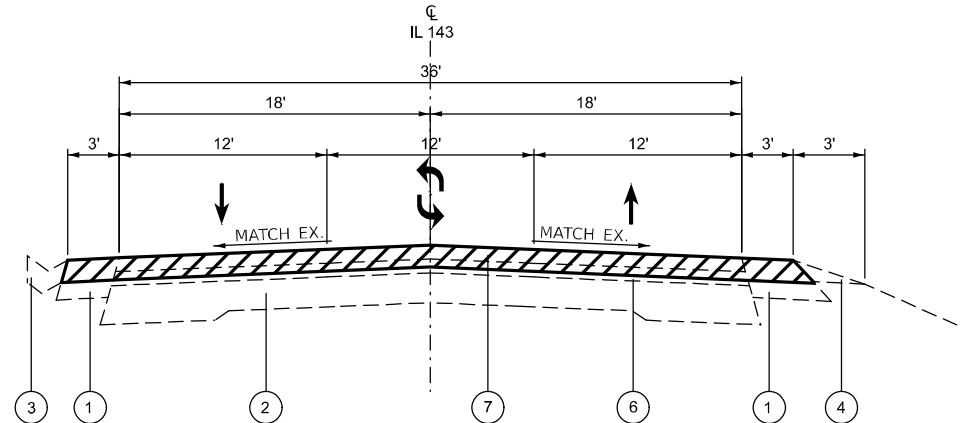


EXISTING TYPICAL SECTION IL 143
STA. 234+43.00 TO 235+97.00
STA. 235+97.00 TO 238+97.00 (BRIDGE OMISSION)
STA. 238+97.00 TO 241+08.00

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/17/2025	DATE -	REVISED -		SCALE: NTS	SHEET 2	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION IL 143
STA. 241+08.00 TO 244+60.00



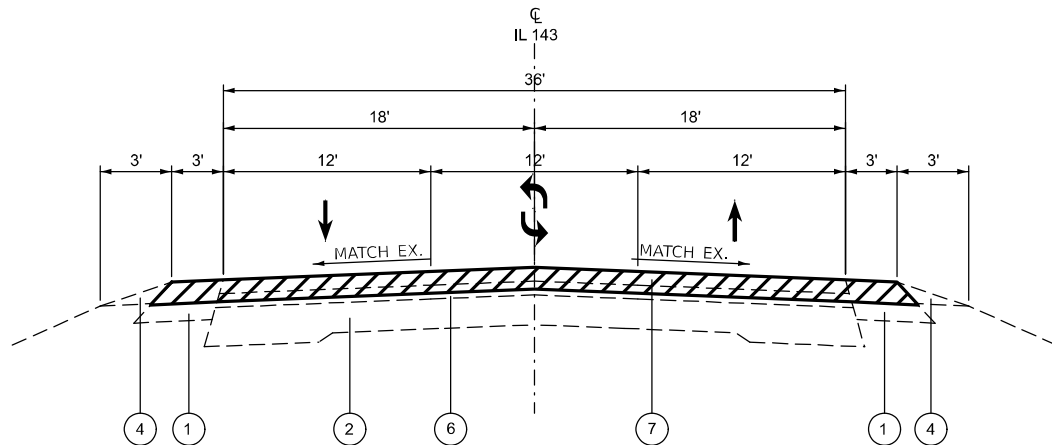
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STA. 244+60.00 TO 250+26.00

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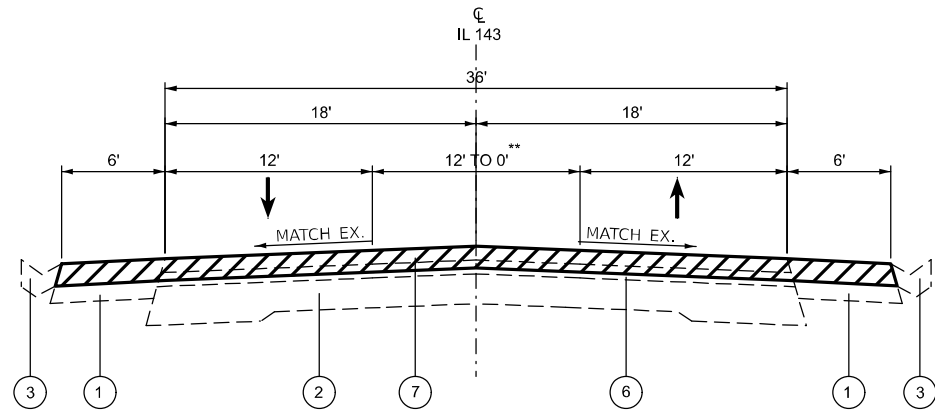
- ① EXISTING HMA SHOULDER, 6" TO 10"
- ② EXISTING PCC PAVEMENT, (9"-7"-9")
- ③ EXISTING CONCRETE GUTTER, TYPE A
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- ⑫ PROPOSED STEEL PLATE BEAM GUARDRAIL
- ⑬ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑭ PROPOSED BITUMINOUS MATERIAL (TACK COAT)

* STA. 241+08.00 TO STA. 242+96.00

** STA. 271+31.00 TO STA. 274+64.00



EXISTING TYPICAL SECTION IL 143
STA. 250+26.00 TO 267+05.00



EXISTING TYPICAL SECTION IL 143
STA. 267+05.00 TO 274+64.00

MODEL: Typical Section-3 [Sheet]
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		DRAWN -	REVISED -					789	125RS-6	MADISON	22	8
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MODEL: Typical Section-4 (Sheet)
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LEGEND

- 1 EXISTING HMA SHOULDER, 6" TO 10"
- 2 EXISTING PCC PAVEMENT, (9"-7"-9")
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* STA. 212+89.00 TO STA. 216+14.00

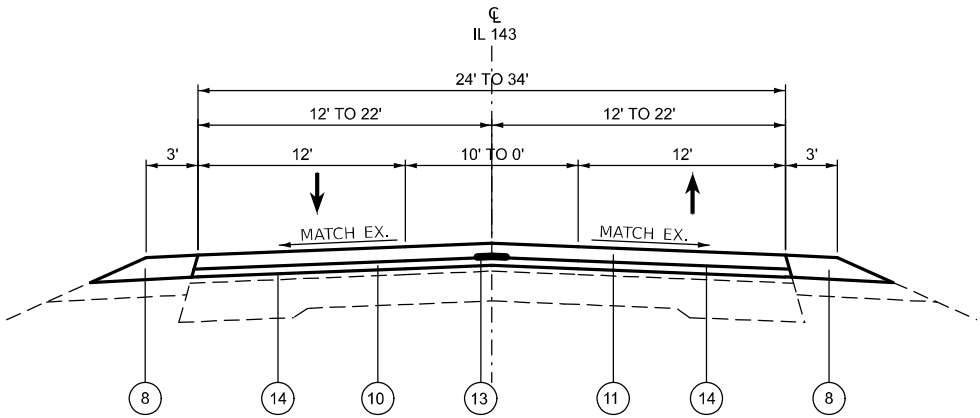
** STA. 213+10.00 TO STA. 216+60.00

*** STA. 212+83.00 TO STA. 216+83.00

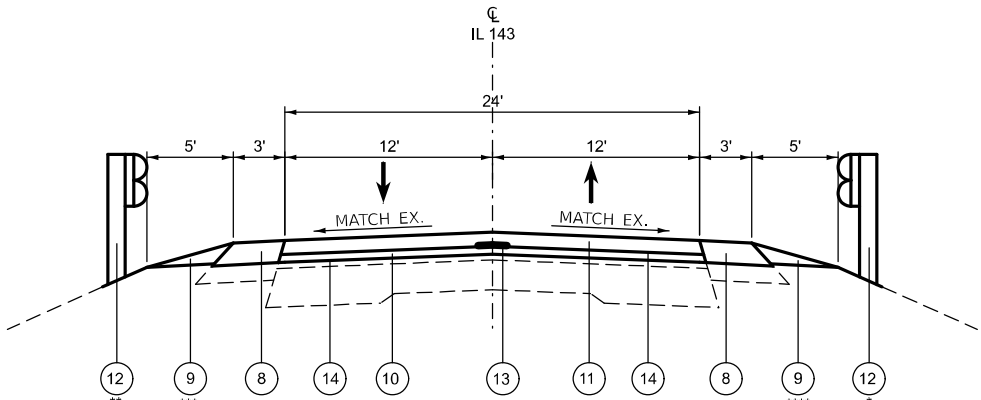
**** STA. 212+65.00 TO STA. 216+27.00

***** STA. 22198+00 TO STA. 225+73.00

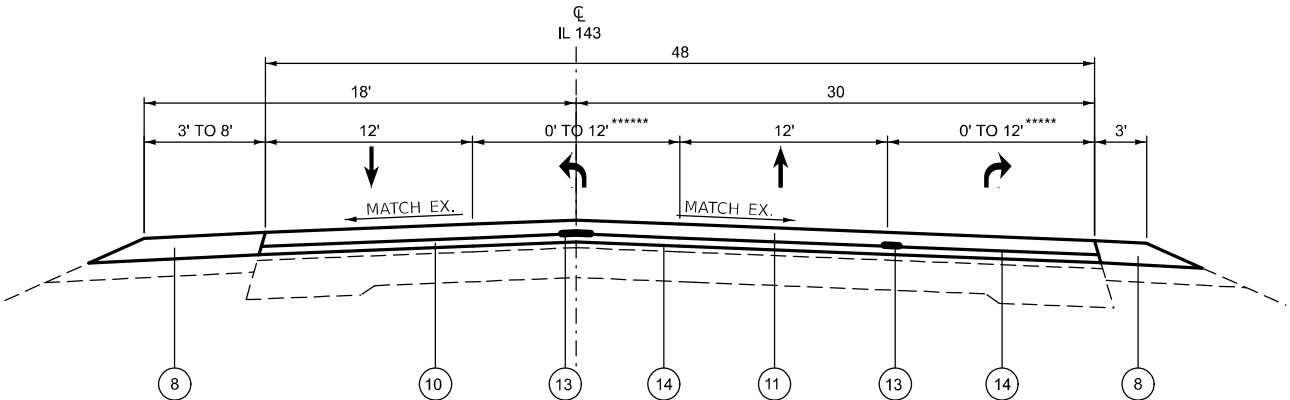
***** STA. 220+90.00 TO STA. 226+99.00



PROPOSED TYPICAL SECTION IL 143
STA. 204+35.00 TO 207+48.00



PROPOSED TYPICAL SECTION IL 143
STA. 207+48.00 TO 221+46.00



PROPOSED TYPICAL SECTION IL 143
STA. 221+46.00 TO 226+49.00

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	9
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: NTS	SHEET 4	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Typical Section-5 [Sheet]
FILE NAME: c:\p\work\illinois.gov\1040007\76U27-shTypical.dgn

LEGEND

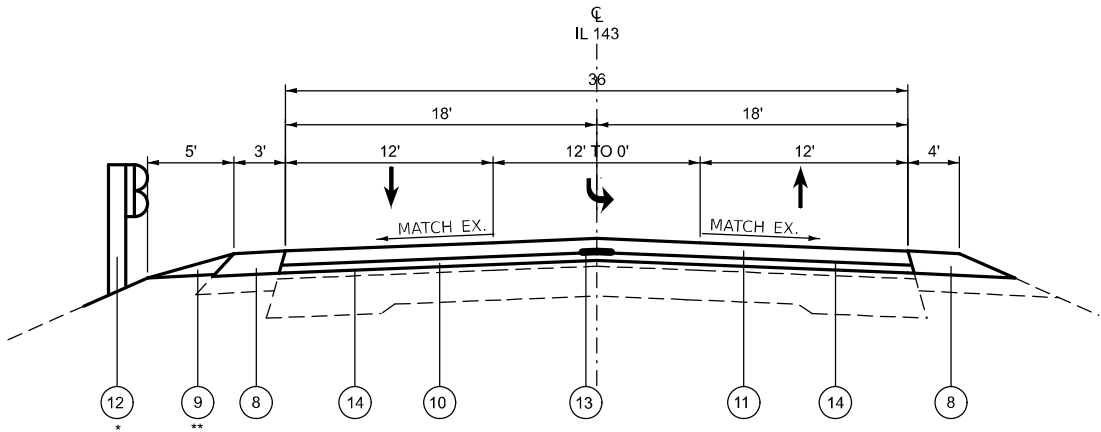
- 1 EXISTING HMA SHOULDER, 6" TO 10"
- 2 EXISTING PCC PAVEMENT, (9"-7"-9")
- 3 EXISTING CONCRETE GUTTER, TYPE A
- 4 EXISTING AGGREGATE WEDGE SHOULDER, TYPE B
- 5 EXISTING STEEL PLATE BEAM GUARDRAIL
- 6 EXISTING HMA OVERLAY, ±4"
- 7 PROPOSED HMA SURFACE REMOVAL, 2¾" 
- 8 PROPOSED HMA SHOULDER, 2¾"
- 9 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 10 PROPOSED HMA BINDER COURSE, 1¼"
- 11 PROPOSED HMA SURFACE COURSE, 1½"
- 12 PROPOSED STEEL PLATE BEAM GUARDRAIL
- 13 PROPOSED LONGITUDINAL JOINT SEALANT
- 14 PROPOSED BITUMINOUS MATERIAL (TACK COAT)

* STA. 226+73.00 TO STA. 228+06.00

** STA. 227+59.00 TO STA. 230+57.00

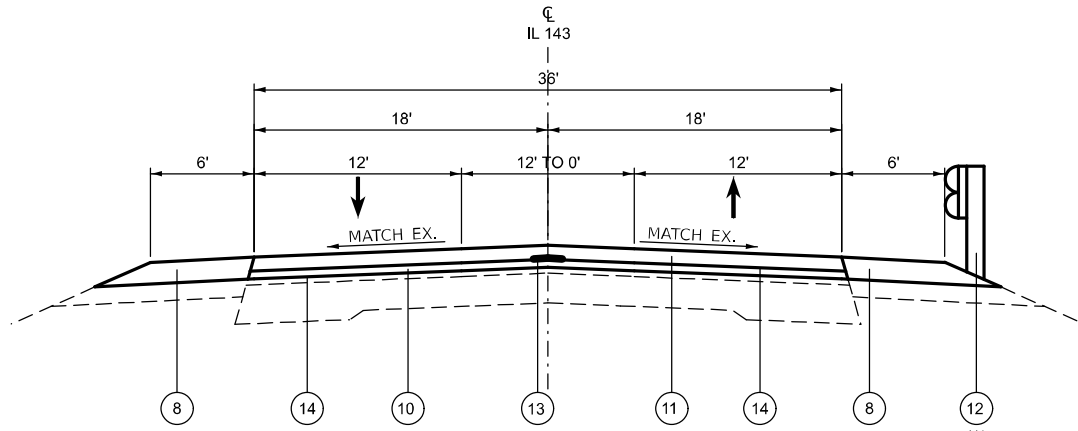
*** STA. 233+00.00 TO STA. 236+00.00
STA. 238+83.00 TO STA. 240+58.00

**** STA. 234+24.00 TO STA. 236+00.00
STA. 238+83.00 TO STA. 241+15.00



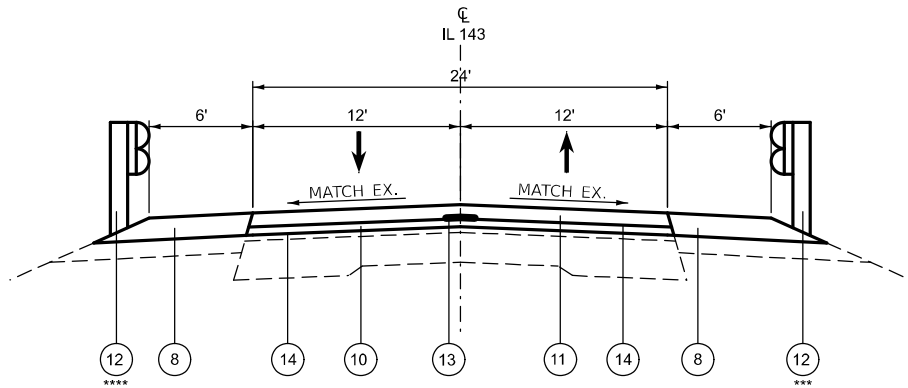
PROPOSED TYPICAL SECTION IL 143

STA. 226+49.00 TO 231+06.00



PROPOSED TYPICAL SECTION IL 143

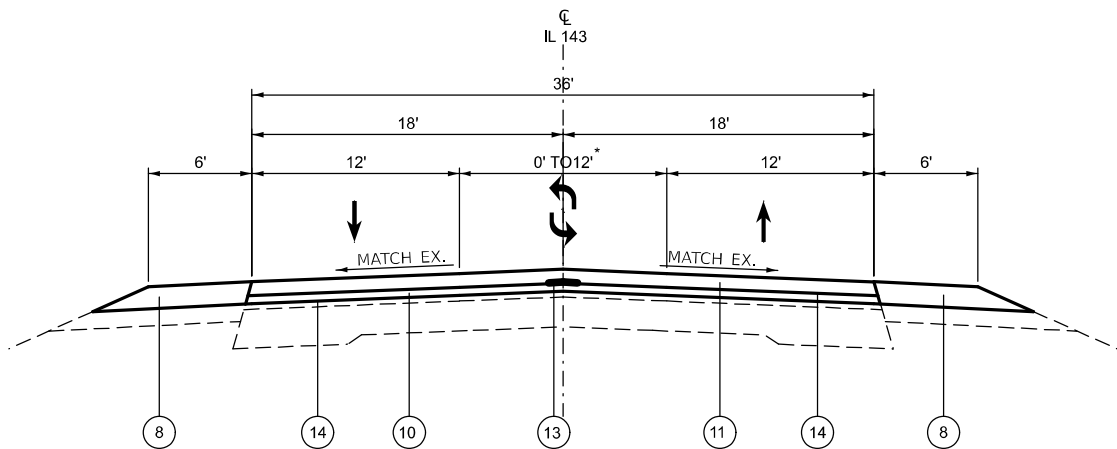
STA. 231+06.00 TO 234+73.00



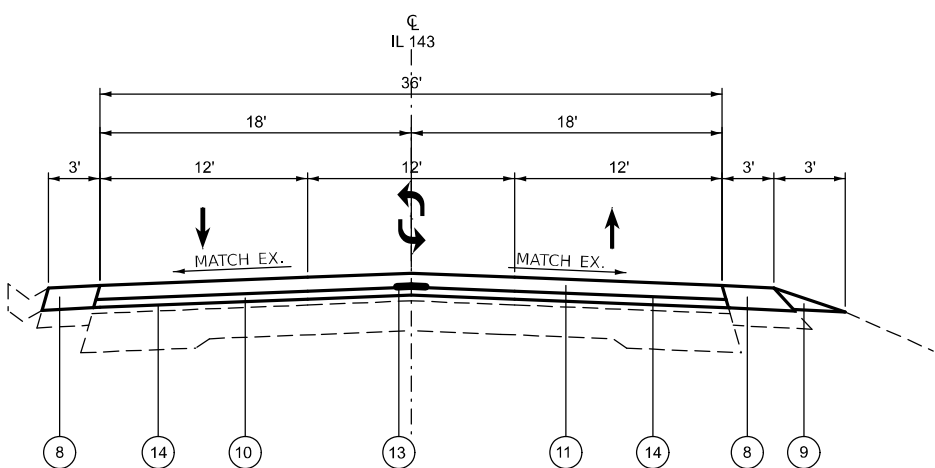
PROPOSED TYPICAL SECTION IL 143

STA. 234+43.00 TO 235+97.00
STA. 235+97.00 TO 238+97.00 (BRIDGE OMISSION)
STA. 238+97.00 TO 241+08.00

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	10
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: NTS	SHEET 5	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



PROPOSED TYPICAL SECTION IL 143
STA. 241+08.00 TO 244+60.00



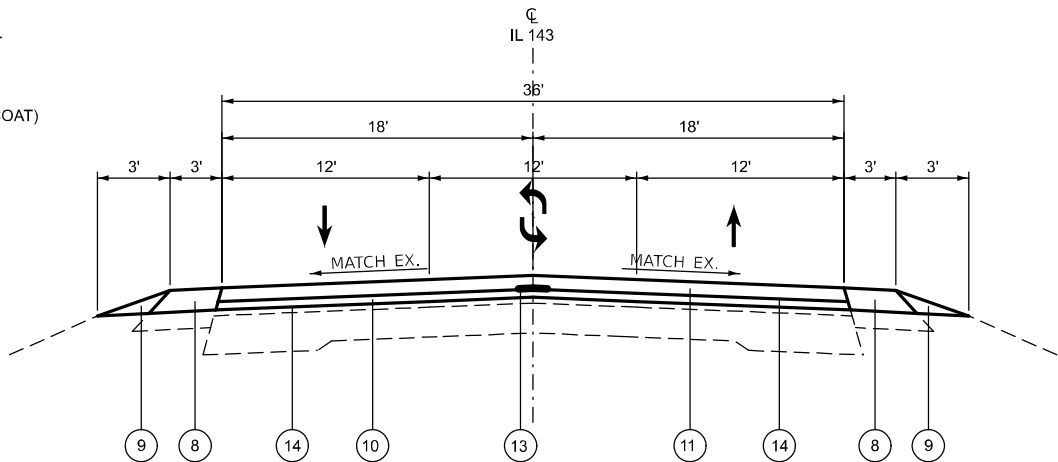
PROPOSED TYPICAL SECTION IL 143
STA. 244+60.00 TO 250+26.00

LEGEND

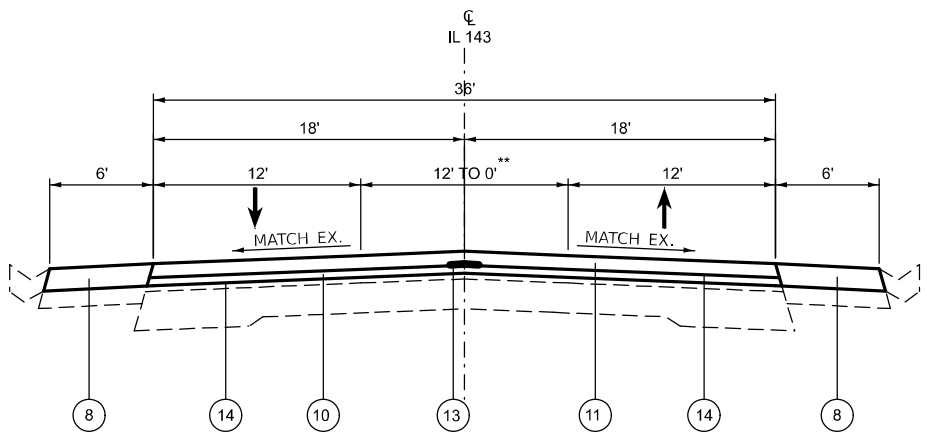
- 1 EXISTING HMA SHOULDER, 6" TO 10"
- 2 EXISTING PCC PAVEMENT, (9"-7"-9")
- 3 EXISTING CONCRETE GUTTER, TYPE A
- 4 EXISTING AGGREGATE WEDGE SHOULDER, TYPE B
- 5 EXISTING STEEL PLATE BEAM GUARDRAIL
- 6 EXISTING HMA OVERLAY, ±4"
- 7 PROPOSED HMA SURFACE REMOVAL, 2¾" 
- 8 PROPOSED HMA SHOULDER, 2¾"
- 9 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 10 PROPOSED HMA BINDER COURSE, 1½"
- 11 PROPOSED HMA SURFACE COURSE, 1½"
- 12 PROPOSED STEEL PLATE BEAM GUARDRAIL
- 13 PROPOSED LONGITUDINAL JOINT SEALANT
- 14 PROPOSED BITUMINOUS MATERIAL (TACK COAT)

* STA. 241+08.00 TO STA. 242+96.00

** STA. 271+31.00 TO STA. 274+64.00



PROPOSED TYPICAL SECTION IL 143
STA. 250+26.00 TO 267+05.00



PROPOSED TYPICAL SECTION IL 143
STA. 267+05.00 TO 274+64.00

MODEL: Typical Section-6 [Sheet]
FILE NAME: c:\paw\work\illinois.gov\1040007\076U27-shH-typical.dgn

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	11
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: NTS	SHEET 6	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

RESURFACING SCHEDULE

STATION		DIMENSION		HMA SURFACE REMOVAL 2 3/4"	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (TACK COAT) 1ST PASS	BITUMINOUS MATERIALS (TACK COAT) 2ND PASS	HMA BINDER COURSE IL-9.5FG N70	HMA SURFACE COURSE IL-9.5 MIX "D" N70	MATERIAL TRANSFER DEVICE
		LENGTH	WIDTH							
FROM	TO	FEET	FEET	SQ YD	FEET	POUND	POUND	TON	TON	TON
204+35.00	207+48.00	313.00	34	1182.4	313.0	532.1	266.05	82.77	99.3	182.1
207+48.00	221+46.00	1398.00	24	3728.0	1398.0	1677.6	838.8	261.0	313.2	574.1
221+46.00	223+70.00	224.00	38	945.8	448.0	425.6	212.8	66.2	79.4	145.6
223+70.00	225+75.00	205.00	48	1093.3	410.0	492.0	246	76.5	91.8	168.4
225+75.00	232+08.00	633.00	36	2532.0	1266.0	1139.4	569.7	177.2	212.7	389.9
232+08.00	234+43.00	235.00	30	783.3	470.0	352.5	176.25	54.8	65.8	120.6
234+43.00	235+87.00	144.00	24	384.0	144.0	172.8	86.4	26.9	32.3	59.1
235+87.00	238+97.00	BRIDGE OMISSION SN - 060-0349								
238+97.00	241+08.00	211.00	24	562.7	211.0	253.2	126.6	39.4	47.3	86.7
241+08.00	242+96.00	188.00	30	626.7	188.0	282.0	141	43.9	52.6	96.5
242+96.00	271+31.00	2835.00	36	11340.0	2835.0	5103.0	2551.5	793.8	952.6	1746.4
271+31.00	274+64.00	333.00	30	1110.0	333.0	499.5	249.75	77.7	93.2	170.9
TOTAL				24288	8016	10930	5465	1700	2040	3740

HMA SHOULDER SCHEDULE

HMA SHOULDER SCHEDULE								
STATION		DIMENSION			AREA	HMA SURFACE REMOVAL 2 3/4"	BITUMINOUS MATERIALS (TACK COAT)	HMA SHOULDER 2 3/4"
		LENGTH	HMA SHOULDER WIDTH					
			NORTH	SOUTH				
FROM	TO	FEET	FEET	FEET	SQ YD	SQ YD	POUND	TON
204+35.00	221+46.00	1711	3	3	1140.7	1140.7	513.3	175.7
221+46.00	226+49.00	503.00	7	3	558.9	558.9	251.5	86.1
228+06.00	231+06.00	300.00	3	4	233.3	233.3	105	35.9
231+06.00	235+87.00	481.00	6	6	641.3	641.3	288.6	98.8
235+87.00	238+97.00	BRIDGE OMISSION SN - 060-0349						
238+97.00	244+60.00	563	6	6	750.7	750.7	337.8	115.6
244+60.00	267+05.00	2245	3	3	1496.7	1496.7	673.5	230.5
267+05.00	274+64.00	759	6	6	1012.0	1012.0	455.4	155.8
TOTAL						5834	2625	898

MODEL: Schedule of quantities-1 [Sheet]
FILE NAME: c:\pw\work\illinois.gov\edison.zohfanyi\illinois.gov\edison.zohfanyi\060007D76U27-shr-schedule.dgn

	USER NAME = edison.zohfanyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	12
		CHECKED -	REVISED -		SCALE:			CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SHEET 1 OF 3 SHEETS			ILLINOIS FED. AID PROJECT				

MODEL: Schedule of quantities-2 [Sheet]
FILE NAME: c:\paw_work\paw\illinois.gov\1040007\D76U27-sht-schedule.dgn

PAVEMENT MARKING SCHEDULE														
LOCATION		THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING							PAVEMENT MARKING REMOVAL - WATER BLASTING	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION		LINE - 6"				LINE - 12" YELLOW DIAGONAL	24" WHITE STOP LINE	LETTERS AND SYMBOLS				ONE WAY CRYSTAL	TWO WAY AMBER	
FROM	TO	WHITE SOLID	WHITE SKIP-DASH	YELLOW SOLID	YELLOW SKIP-DASH									
204+35.00	207+11.00	552		1104		87			915	60	20		14	14
207+11.00	220+96.00	2770		2770					2770	130	44		17	17
220+96.00	221+89.00	186		372		21			300	20	7		2	2
221+89.00	223+55.00	332	50	664		57			580	40	14		4	4
223+55.00	224+99.00	288	80	576		22			494	30	10		4	4
224+99.00	226+38.00	556		278			24	70	535	140	47	8	3	11
226+97.00	230+56.00	1077		718			24	50	996	140	47	9	9	18
230+56.00	232+05.00	298	40	596		30			497	30	10		8	8
232+05.00	234+41.00	472		944		87			795	50	17		12	12
234+41.00	235+87.00	292		292					292	20	7		4	4
235+87.00	238+97.00	BRIDGE OMISSION SN-060-0349												
238+97.00	240+52.00	310		310					310	20	7		4	4
240+52.00	242+88.00	472		944		91			799	50	17		12	12
242+88.00	274+64.00	6352		6352	1600			470	7622	1050	350		80	80
TOTAL		13957	170	15920	1600	395	48	590	16905	1780	597	17	173	190

GUARDRAIL AND TRAFFIC BARRIERS									
STATION		LOCATION	STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS LON	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 6	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL
FROM	TO		FOOT	EACH	EACH		EACH	EACH	FOOT
212+89.00	213+01.50	RT		1			1		12.50
213+01.50	216+01.50	RT	300.00					8	300.00
216+01.50	216+14.00	RT		1			1		12.50
233+00.00	233+12.50	RT		1			1		12.50
233+12.50	235+62.50	RT	250.00					7	250.00
235+62.50	236+00.00	RT				1			37.50
238+83.00	239+20.50	RT				1			37.50
239+20.50	240+45.50	RT	125.00					3	125.00
240+45.50	240+58.00	RT		1			1		12.50
213+10.00	213+22.50	LT		1			1		12.50
213+22.50	216+47.50	LT	325.00					9	325.00
216+47.50	216+60.00	LT		1			1		12.50
226+73.00	228+06.00	LT	225.00	2			2	6	250.00
234+24.00	234+45.00	LT			1				37.50
234+45.00	235+62.50	LT	125.00					3	125.00
235+62.50	236+00.00	LT		1		1			37.50
238+83.00	239+20.50	LT				1			37.50
239+20.50	240+83.00	LT	162.50					5	162.50
240+83.00	241+15.00	LT			1				37.50
TOTAL			1512.50	9	2	4	8	42	1837.5

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						789	125RS-6	MADISON	22	13
		CHECKED -	REVISED -		SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.				CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

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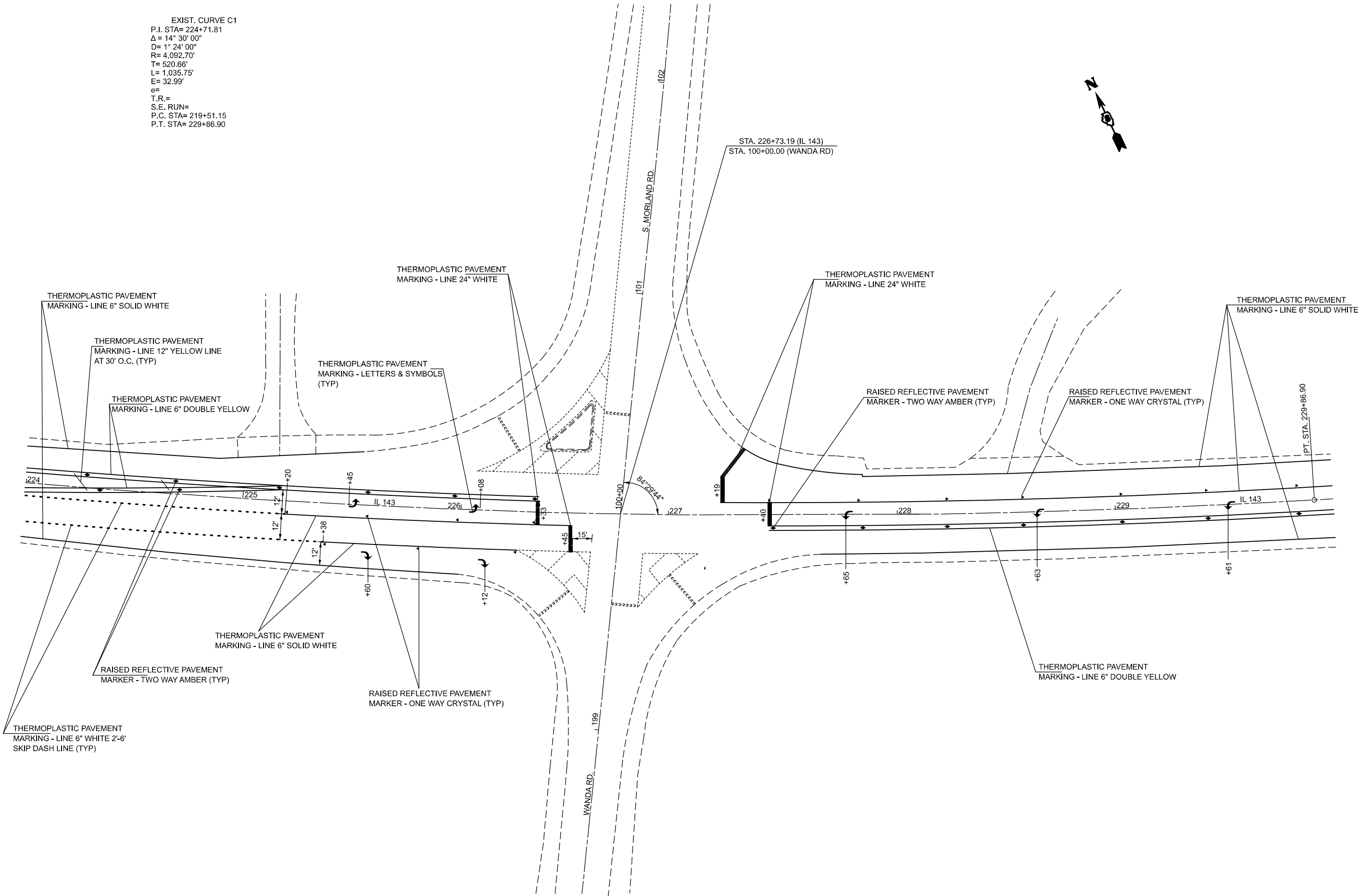
TEMPORARY RAMP / ACCESS SCHEDULE					
CL OF ENTRANCE OR SIDEROAD	LOCATION	LENGTH	WIDTH	TEMPORARY RAMP	COMMENTS
		FEET	FEET	SQ YD	
204+35.00		9.2	34	35	BEGIN PROJECT
226+46.00	L	3	250	84	SOUTH MORELAND RD WANDA RD
249+07.00	R	3	170	57	
228+30.00	L	3	32	11	
234+09.00	L	3	40	14	
235+87.00		9.2	24	25	BRIDGE OMMISSION
238+97.00		9.2	24	25	BRIDGE OMMISSION
241+33.00	L	3	55	19	
244+56.00	R	3	25	9	
245+11.00	R	3	28	10	
251+86.00	R	3	14	5	
251+97.00	L	3	107	36	
253+69.00	R	3	21	7	
254+10.00	R	3	35	12	
254+42.00	R	3	22	8	
254+50.00	L	3	41	14	
256+04.00	L	3	47	16	
256+46.00	R	3	27	9	
257+60.00	L	3	22	8	
258+72.00	R	3	24	8	
258+93.00	L	3	23	8	
259+22.00	R	3	21	7	
259+84.00	L	3	33	11	
261+04.00	L	3	27	9	
261+92.00	L	3	44	15	
262+75.00	L	3	25	9	
264+11.00	L	3	26	9	
264+85.00	L	3	24	8	
266+58.00	L	3	33	11	
267+23.00	L	3	20	7	
267+74.00	R	3	64	22	
269+28.00	L	3	20	7	
271+56.00	L	3	53	18	
272+76.00	L	3	34	12	
274+64.00		9.2	24	25	END PROJECT
TOTAL				590	

PATCHING SCHEDULE										
PATCH NO	STATION	WB / EB	LENGTH	WIDTH	AREA	CLASS C PATCHES SPECIAL				TIE BARS 3/4"
						13 INCHES				
			TYPE I	TYPE II	TYPE III	TYPE IIII				
			FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
1	206+99.00	EB	15	13	22			22		
2	206+99.00	WB	15	16	27				27	
3	209+63.00	WB	20	6.5	14		14			9
4	217+55.00	EB	50	6.5	36				36	24
5	220+19.00	WB	10	13	14		14			
6	246+59.00	WB	10	13	14		14			
7	246+59.00	CENTER	10	13	14		14			
8	246+59.00	WB	10	13	14		14			
9	204+35.00	EB	15	6.5	11		11			
10	251+87.00	EB	12	6.5	9		9			
11	257+15.00	EB	15	13	22			22		
12	257+15.00	WB	15	13	22			22		
13	259+79.00	WB	40	6.5	29				29	19
14	261+37.40	WB	10	6.5	7		7			
15	262+43.00	WB	50	13	72				72	24
16	264+01.40	EB	12	13	17			17		
17	264+01.40	EB	25	6.5	18			18		12
18	265+07.00	EB	4	13	6		6			
19	265+59.80	EB	15	13	22			22		
20	270+35.00	EB	4	13	6		6			
21	270+35.00	CENTER	4	13	6		6			
22	270+35.00	WB	4	13	6		6			
23	271+93.40	EB	4	13	6		6			
24	271+93.40	CENTER	4	9	4	4				
25	271+93.40	WB	4	13	6		6			
26	272+46.20	EB	15	6.5	11		11			
27	272+49.00	EB	15	13	22			22		
28	272+49.00	WB	15	13	22			22		
SUB TOTAL						4	144	165	164	88
ANTICIPATED FAILURES 20%						1	29	33	33	18
TOTAL						5	173	198	197	106

AGGREGATE WEDGE SHOULDER, TYPE B							
STATION		DEPTH	DIMENSIONS			AREA	AGGREGATE WEDGE SHOULDER, TYPE B
			LENGTH	WIDTH			
				NORTH	SOUTH		
FROM	TO	INCH	FEET	FEET	FEET	SQ YD	TON
212+83.00	216+33.00	2	400	5	0	222.22	25.93
212+65.00	216+27.00	2	362	0	5	201.11	23.46
227+59.00	230+57.00	2	298	5	0	165.56	19.31
244+60.00	250+26.00	2	566	0	3	188.67	22.01
250+26.00	267+05.00	2	1679	3	3	1119.33	130.59
TOTAL							221

	USER NAME = edison.zohfanyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	14
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/22/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 3	OF 3	SHEETS	STA.	TO STA.						

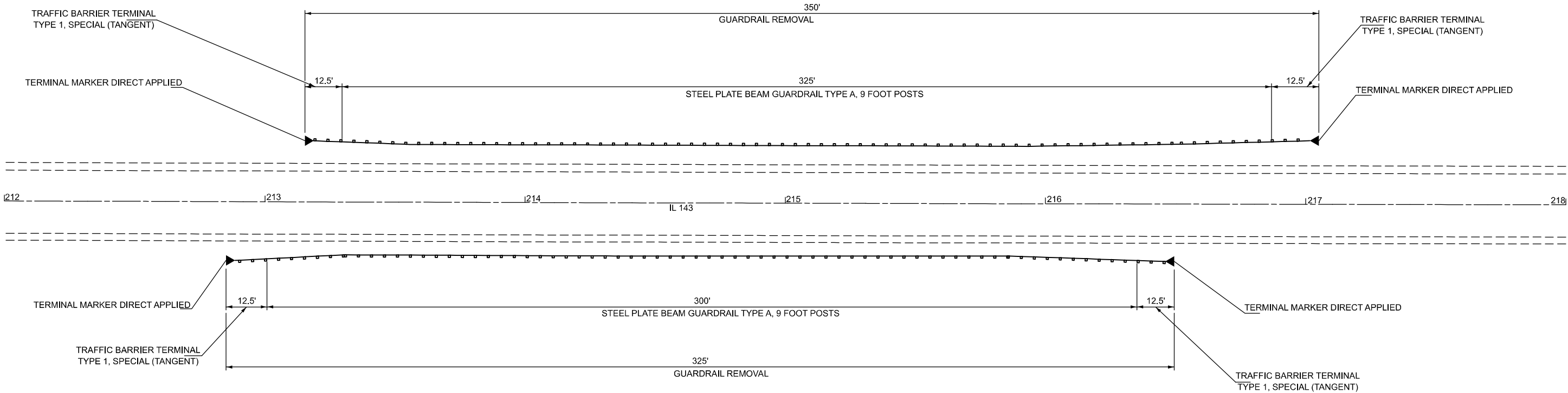
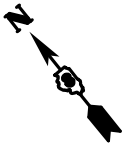
EXIST. CURVE C1
P.I. STA= 224+71.81
Δ= 14° 30' 00"
D= 1° 24' 00"
R= 4,092.70'
T= 520.66'
L= 1,035.75'
E= 32.99'
e=
T.R.=
S.E. RUN=
P.C. STA= 219+51.15
P.T. STA= 229+86.90



MODEL: Pavement Markings-1 [Sheet]
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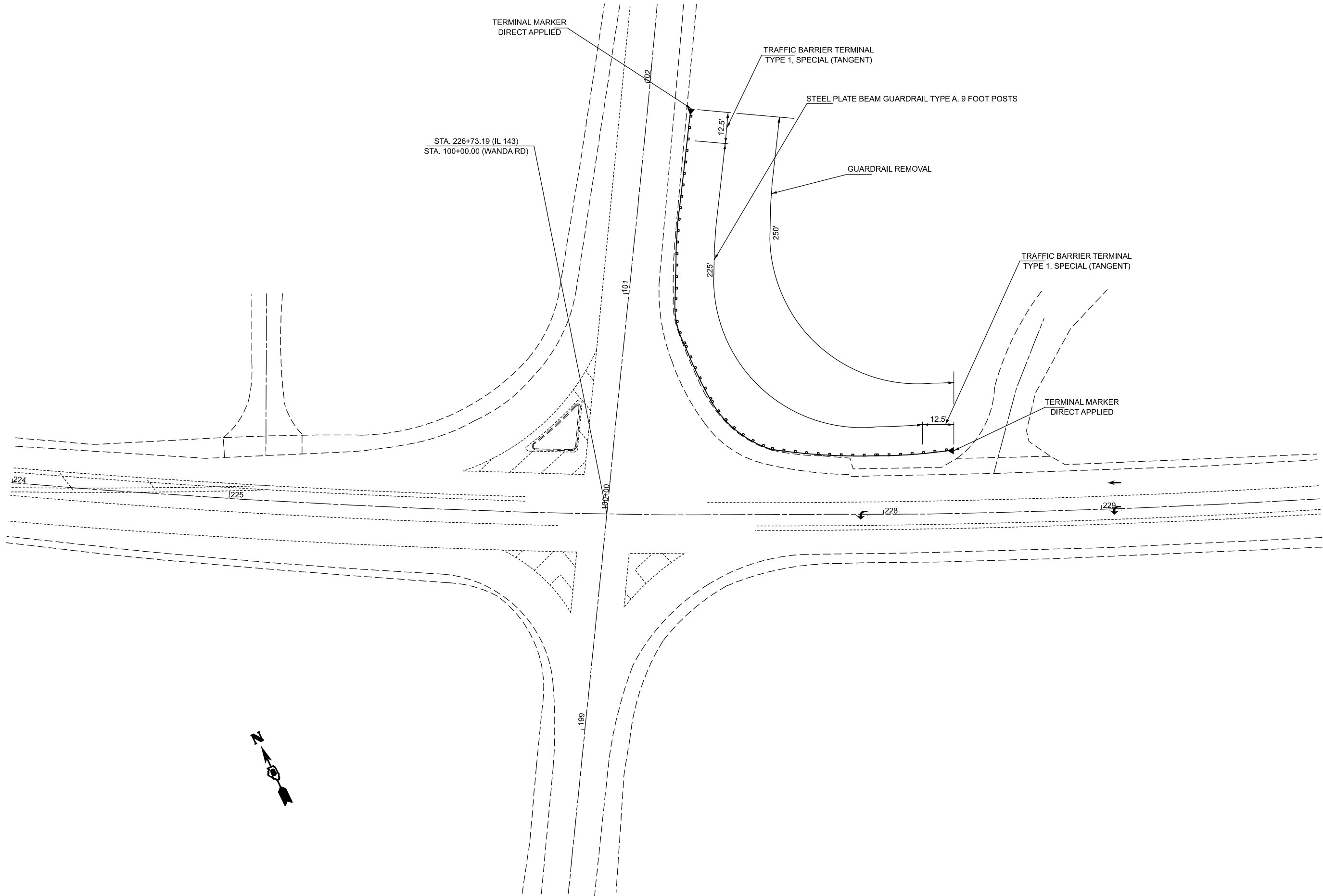
	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS IL 143 AT WANDA RD				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						789	125RS-6	MADISON	22	15	
		CHECKED -	REVISED -						CONTRACT NO. 76U27					
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: 1:50				SHEET 1	OF 1 SHEETS	STA.	TO STA.		
							ILLINOIS FED. AID PROJECT							

MODEL: Guardrail Plan-1 [Sheet]
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	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL PLAN IL 143			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	16
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/17/2025	DATE -	REVISED -		SCALE: 1:20	SHEET 1	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Quadrail Plan-1.5 [Sheet]
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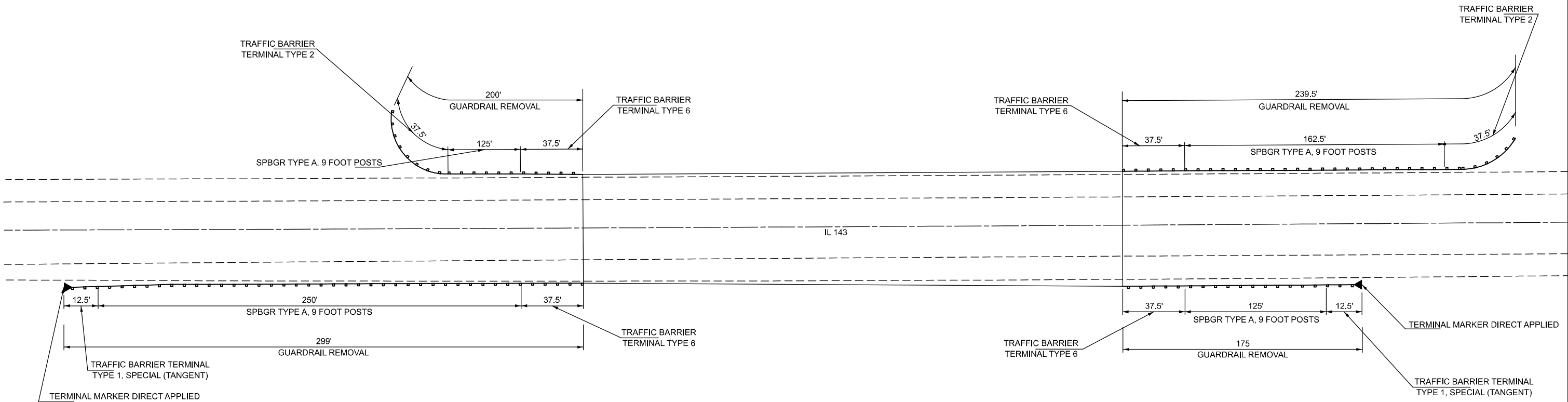


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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL PLAN IL 143 AT WANDA RD			
SCALE: 1:50	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	125RS-6	MADISON	22	17
CONTRACT NO. 76U27				
ILLINOIS FED. AID PROJECT				



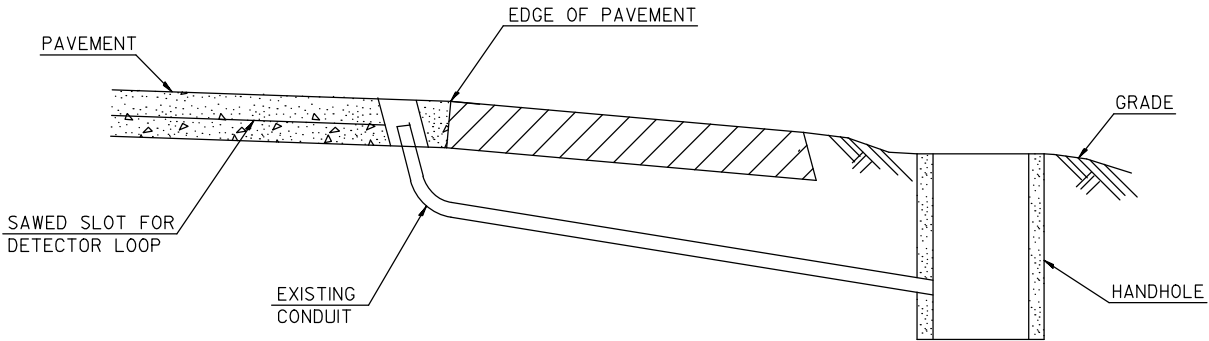
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	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL PLAN IL 143			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	18
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/17/2025	DATE -	REVISED -		SCALE: 1:20	SHEET 3	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 143 AT WANDA RD.
CODE NO	ITEM	UNIT		
X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1020	1020

HIGHWAY STANDARDS

886001-01 DETECTOR LOOP INSTALLATIONS
886006-01 TYPICAL LAYOUT FOR DETECTOR LOOPS



DETAIL
(NO SCALE)

RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

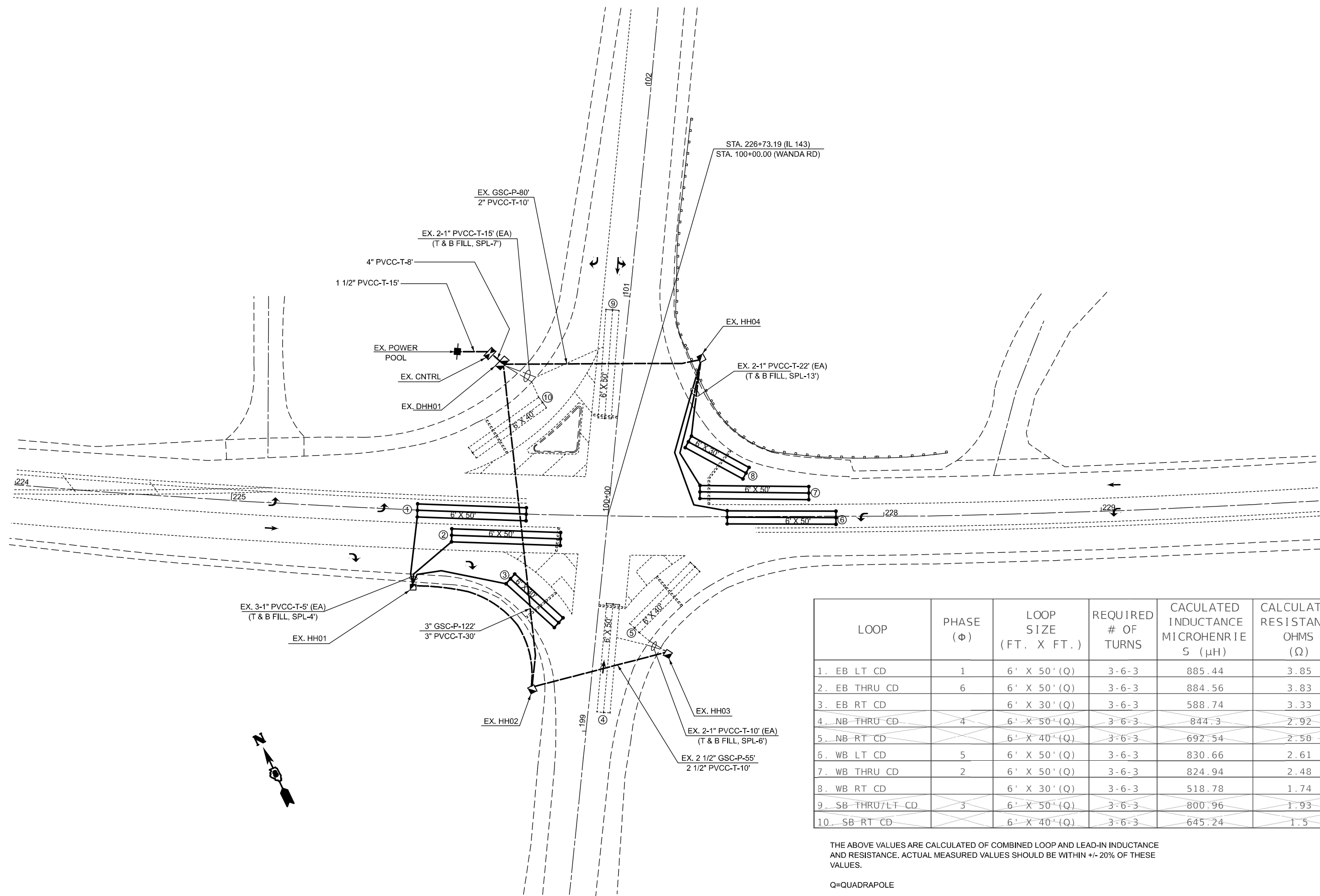
- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP, TYPE I"

MODEL: Gen Notes-2 [Sheet]
FILE NAME: c:\paw\work\illinois.gov\edison.zohfonyi\040007\D76U27-shHs.dgn

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT, HIGHWAY STANDARDS, GENERAL NOTES, SCHEDULE OF QUANTITIES AND DETAIL			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	19
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Plan Sheet-1 [Sheet]
FILE NAME: c:\pwworking\illinois.gov\1040007\D76U27-sh4s.dgn



LOOP	PHASE (Φ)	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CACULATED INDUCTANCE MICROHENRI S (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB LT CD	1	6' X 50' (Q)	3-6-3	885.44	3.85
2. EB THRU CD	6	6' X 50' (Q)	3-6-3	884.56	3.83
3. EB RT CD		6' X 30' (Q)	3-6-3	588.74	3.33
4. NB THRU CD	4	6' X 50' (Q)	3-6-3	844.3	2.92
5. NB RT CD		6' X 40' (Q)	3-6-3	692.54	2.58
6. WB LT CD	5	6' X 50' (Q)	3-6-3	830.66	2.61
7. WB THRU CD	2	6' X 50' (Q)	3-6-3	824.94	2.48
8. WB RT CD		6' X 30' (Q)	3-6-3	518.78	1.74
9. SB THRU/LT CD	3	6' X 50' (Q)	3-6-3	800.96	1.93
10. SB RT CD		6' X 40' (Q)	3-6-3	645.24	1.5

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

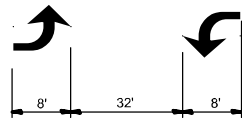
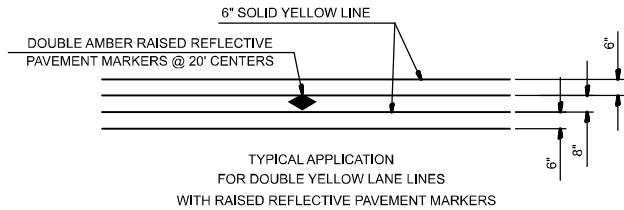
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 143 AT WANDA RD.

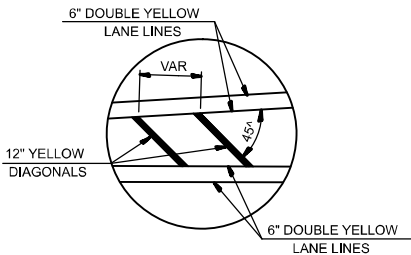
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	125RS-6	MADISON	22	20
CONTRACT NO. 76U27				
ILLINOIS FED. AID PROJECT				

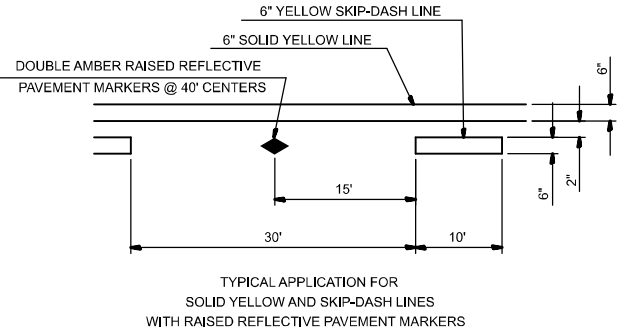
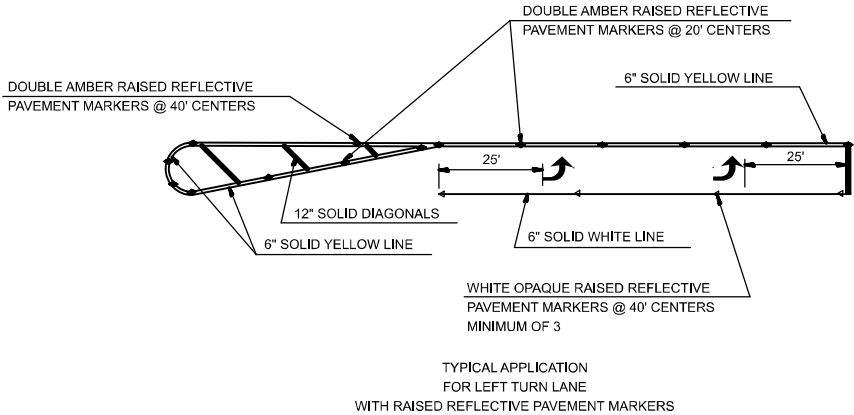


DETAIL 'E'

BI DIRECTIONAL TURN ARROW
@ 200' O. C.



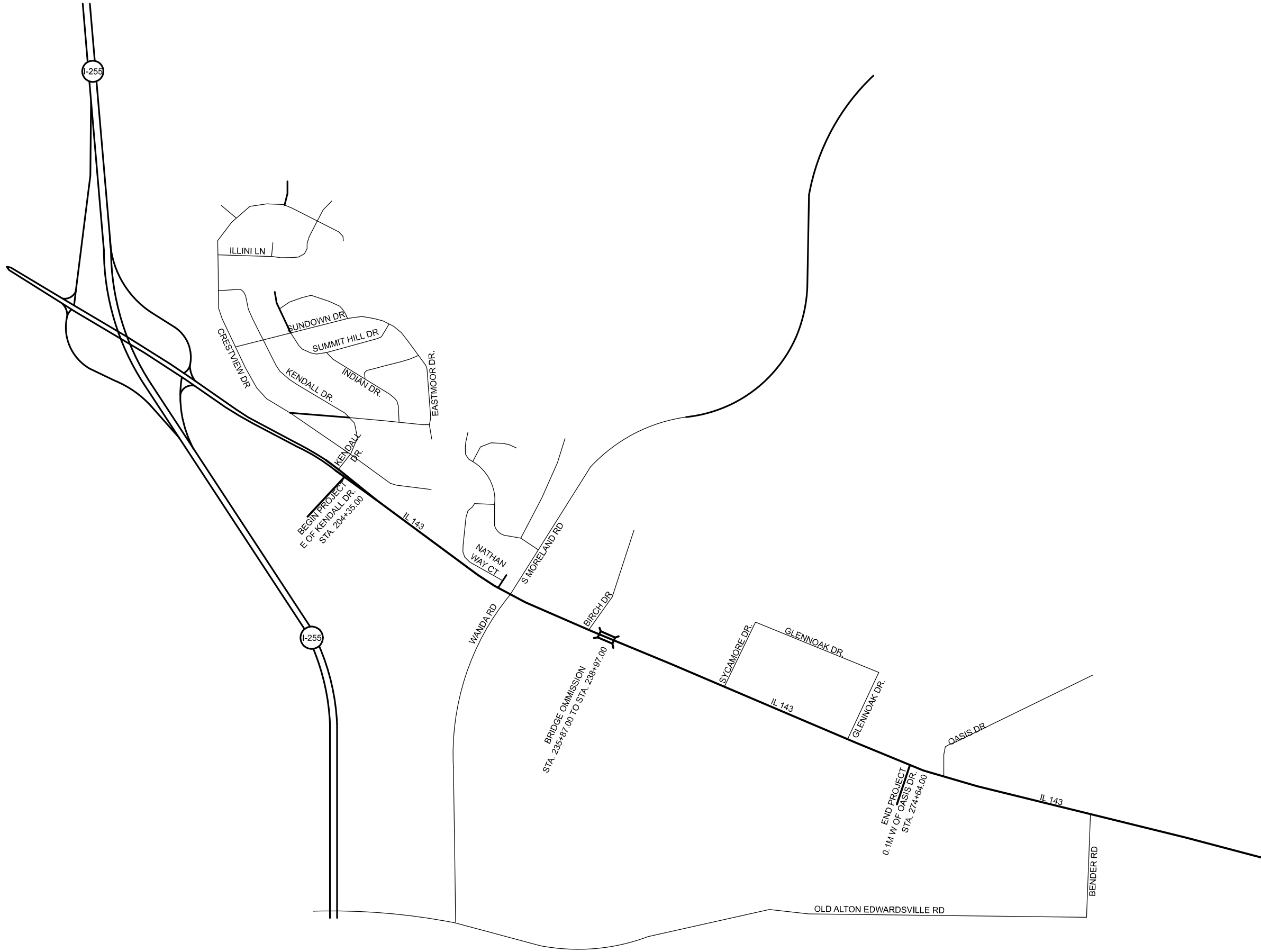
TYPICAL APPLICATION
FOR MEDIAN STRIPING



MODEL: Detail Sheet [Sheet]
FILE NAME: c:\p\work\illinois.gov\1040007\76U27-shh-plan.dgn

	USER NAME = edison.zohfonyi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					789	125RS-6	MADISON	22	21
		CHECKED -	REVISED -					CONTRACT NO. 76U27				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: location map-1 [Sheet]
FILE NAME: c:\pwworking\edison.zohfanyi\illinois.gov\1040007\76U27-sht-dan.dgn



NOT TO SCALE

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	125RS-6	MADISON	22	22
CONTRACT NO. 76U27				
ILLINOIS FED. AID PROJECT				