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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

(36-2)RS-4 BOND * FAS 779/FAU 9832 | ILLINOIS | CONTRACT NO. 76P41

D-98-018-22



STATE OF ILLINOIS SUBMITTED Oct 15 20 2/

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

OVERPASS RD TO 4TH STREET:

2019 ADT = 3000 (ACTUAL)2022 ADT = 3100 (ESTIMATED) 2042 ADT = 3800 (ESTIMATED)SU = 6.3% MU = 3.0%

4TH STREET TO ELM STREET:

2019 ADT = 2650 (ACTUAL)2022 ADT = 2700 (ESTIMATED)2042 ADT = 3300 (ESTIMATED)SU = 3.8% MU = 3.8%

ELM STREET TO RIDGE STREET:

2019 ADT = 3150 (ACTUAL)2022 ADT = 3250 (ESTIMATED)2012 $\Lambda DT = 4000 (ESTIMATED)$ SU = 4.4% MU = 3.5%

MINOR ARTERIAL

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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123 OR 811

PROJECT ENGINEER: BILLIE OWEN (618) 346-3209 PROJECT MANAGER: MIKE BERG (618) 346-3411

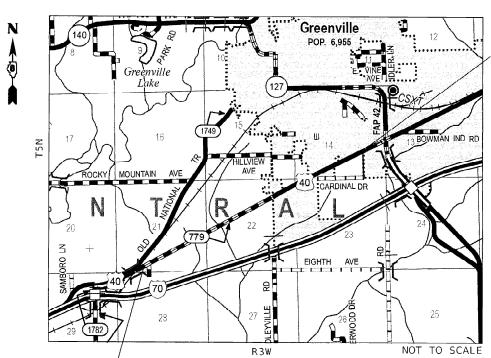
PROPOSED HIGHWAY PLANS

FAS ROUTE 779 / FAU ROUTE 9832 (US 40) **SECTION** (36–2)RS–4 PROJECT STP-BIP8(789) **RESURFACING - SMART OVERLAY BOND COUNTY**

> END PROJECT STA: 1933+62

LAT: +38.87704 LONG: -89.39525

C-98-047-22



BEGIN PROJECT STA: 1783+22 LAT: +38.85811 LONG: -89.44207

> GROSS LENGTH = 15040 FT. = 2.85 MILE NET LENGTH = 15040 FT. = 2.85 MILE

CONTRACT NO. 76P41

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3-4 SUMMARY OF QUANTITIES
- 5-6 TYPICALS
- 7-9 SCHEDULES
- 10 LOCATION MAP
- 11-12 DETAILS

STANDARDS

000001-08 420001-10

442101-09

482011-03

635001-02

701011-04

701201-05

701306-04

701311-03

701336-07

701501-06

701901-08

780001-05 781001-04

782006-01

GENERAL NOTES

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

AT&T ILLINOIS

BOND MADISON WATER COMPANY

CLEARWAVE COMMUNICATIONS

CITY OF GREENVILLE

GREENVILLE COLLEGE

NEWWAVE COMMUNICATIONS

- 2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- 3. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED WITHIN THE CITY LIMITS OF GREENVILLE. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS.
- 4. THE PROPOSED PAVEMENT MARKINGS SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKINGS, AS DIRECTED BY THE ENGINEER
- 5. TWO CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ROAD CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT THE DIRECTION OF THE ENGINEER.

- 5. SHORT TERM PAVEMENT MARKING SHALL BE PLACED ON MILLED AND FINAL SURFACES. ONLY REMOVAL FROM FINAL SURFACE SHALL BE PAID AS SHORT TERM PAVEMENT MARKING REMOVAL.
- 7. THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:

003-0056 (40 TONS)

003-2431 (40 TONS)

003-2432 (40 TONS)

003-2433 (40 TONS)

SCALE: NTS

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

PERTINENT INFORMATION

THE CONTRACTOR SHALL BE AWARE THAT THE FOLLOWING PROJECT(S) WITHIN OR ADJACENT TO THE LIMITS OF THIS CONTRACT SECTION MAY BE UNDER CONSTRUCTION DURING CONSTRUCTION OPERATIONS FOR THIS CONTRACT:

CONTRACT NO. 76K46, US 40, SECTION (Q-1, X-1, F-1)RS-2, Q-1VBDR-1, BOND CO.

MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	SHOULDERS (SURFACE)
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes = 70	4.0% @ Ndes = 30
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5L
FRICTION AGG	MIXTURE "C"	
QUALITY MGMT PROGRAM	QCP	QC/QA
MTD REQUIRED	YES	NO

- * PLAN QUANTITIES FOR HOT MIX ASPHALT ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).
- * ANY QCP PAY ITEM THAT HAS A QUANTITY OF 1600 TONS OR LESS WILL HAVE TWO SUBLOTS EACH OF WHICH WILL BE HALF OF THE PLAN QUANTITY OR HALF OF THE ADJUSTED QUANTITY BY THE RESIDENT ENGINEER/TECHNICIAN.

COMMITMENTS

NONE

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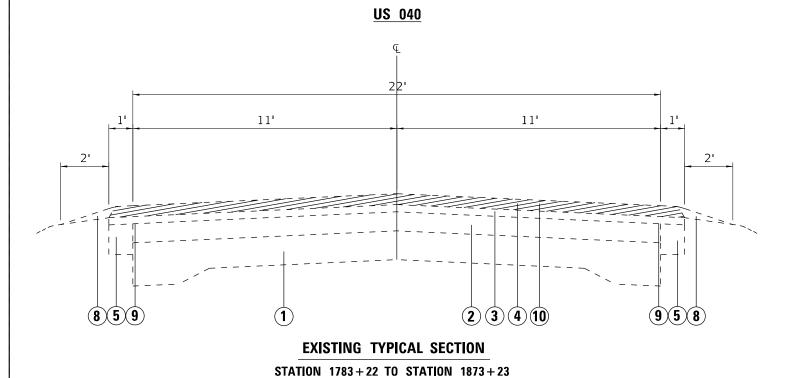
	F.A.*. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES	×	(36-2)	RS-4		BOND	12	3
	* F.	AS 779 / FAL	J 9832		CONTRACT	NO. 76	5P41
SHEET 1 OF 2 SHEETS STA TO STA			ILLINOIS	FED. AI	ID PROJECT		

		CONSTRUCTION CODE			
	SUMMARY OF QUANTITIES			80% FED / 20% STATE	80% FED / 20% STATE
	•			ROADWAY	ROADWAY
CODE NO.	LTGAA	10017	TOTAL CHANTITY	0005	0005
CODE NO.	ITEM	UNIT	TOTAL QUANTITY -	RURAL	URBAN
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1.0	0.6	0.4
0102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	0.6	0.4
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	88	44	44
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2738	1643	1095
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	456	274	182
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	34940	27952	6988
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	22	22	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	34940	27952	6988
			3.3.0	2,002	3303
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	22	22	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	185	112	73
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	55	44	11
8300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	185	112	73
8300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	11689	7013	4676
		, ,			
20034105	MATERIAL TRANSFER DEVICE	TONS	3313	1988	1325

* SPECIALTY ITEM

REV. - MS

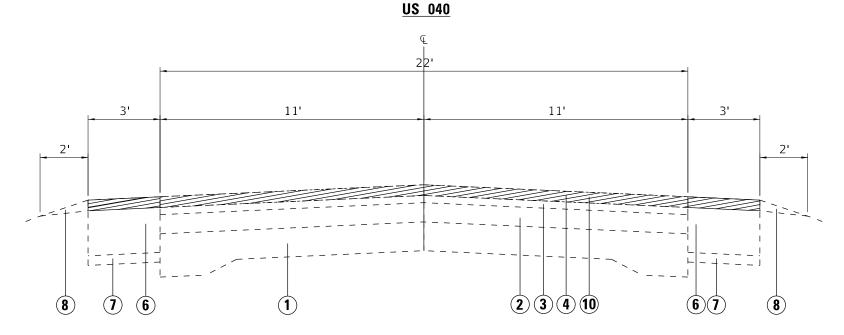
USER NAME = hughesrd	DESIGNED	REVISED =							F.A.*.	SECTION	COUNTY	TOTAL SHEET
	DRAWN	REVISED	STATE OF ILLINOIS		SI	UMMARY	OF QUANTITIES		*	(36-2)RS-4	BOND	12 4
PLOT SCALE = 44.0000 ' / in.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION					7	* FAS	779 / FAU 9832		NO. 76P41
PLOT DATE = 10/19/2021	DATE	REVISED 4		SCALE: NTS	SHEET 2	OF 2	SHEETS STA.	TO STA	ILLINOIS FED. AID PROJECT			



STATION 1903+05 TO STATION 1933+62

LEGEND

- 1 EXISTING CONCRETE PAVEMENT 9"-6"-9"
- 2 EXISTING HMA RESURFACING, 3 1/4"
- (3) EXISTING LEVELING BINDER, 3/4"
- (4) EXISTING HMA SURFACE COURSE, 1 1/2"
- (5) EXISTING HMA SHOULDER, 6"
- **6** EXISTING HMA SHOULDER, 8"
- (7) EXISTING SUBBASE GRANULAR MATERIAL, TYPE C, 4"
- (8) EXISTING AGGREGATE WEDGE SHOULDERS
- (9) EXISTING STRIP REFLECTIVE CRACK CONTROL
- (10) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- (11) PROPOSED HMA SURFACE COURSE, 1 1/2"
- 12 PROPOSED LONGITUDINAL JOINT SEAL
- (13) PROPOSED BITUMINOUS TACK COAT
- 14) PROPOSED AGGREGATE WEDGE SHOULDERS
- 15) PROPOSED HMA SHOULDERS 1 1/2"



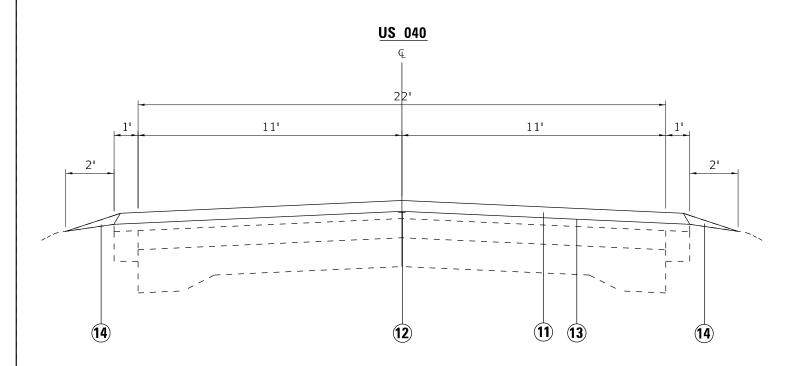
EXISTING TYPICAL SECTION
STATION 1873+23 TO STATION 1903+05



PROPOSED SURFACE REMOVAL

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PLOT DATE = 10/4/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

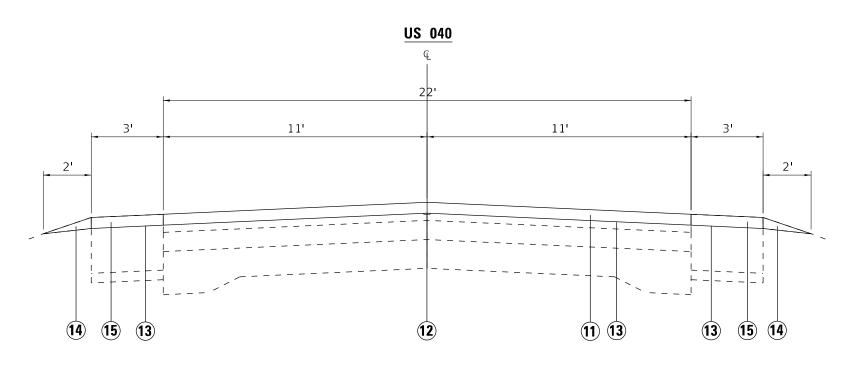


PROPOSED TYPICAL SECTION

STATION 1783+22 TO STATION 1873+23 STATION 1903+05 TO STATION 1933+62

LEGEND

- 1 EXISTING CONCRETE PAVEMENT 9"-6"-9"
- 2 EXISTING HMA RESURFACING, 3 1/4"
- (3) EXISTING LEVELING BINDER, 3/4"
- (4) EXISTING HMA SURFACE COURSE, 1 1/2"
- (5) EXISTING HMA SHOULDER, 6"
- (6) EXISTING HMA SHOULDER, 8"
- (7) EXISTING SUBBASE GRANULAR MATERIAL, TYPE C, 4"
- 8 EXISTING AGGREGATE WEDGE SHOULDERS
- (9) EXISTING STRIP REFLECTIVE CRACK CONTROL
- (10) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- (11) PROPOSED HMA SURFACE COURSE, 1 1/2"
- 12 PROPOSED LONGITUDINAL JOINT SEAL
- (13) PROPOSED BITUMINOUS TACK COAT
- (14) PROPOSED AGGREGATE WEDGE SHOULDERS
- (15) PROPOSED HMA SHOULDERS 1 1/2"



PROPOSED TYPICAL SECTION

STATION 1873 + 23 TO STATION 1903 + 05

USER NAME = hughesrd	DESIGNED	REVISED
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PLOT SCALE = 40.0000 / in.	CHECKED	REVISED
PLOT DATE = 10/4/2021	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPO	RARY RAM	IP SCHEDULE
STATION	TEMPORARY RAMP	LOCATION NOTE
STATION	SQ YDS	EGGATION NOTE
1783+22	13.3	BEGIN PROJECT
1843+09	13.3	STORAGE FACILITY ENTRANCE
	SOQ RURAL/URBAN SPLI	T AT 1873+23
1873+23	26.7	FOURTH STREET
1903+13	26.7	S ELM STREET
1906+33	13.3	KINGSBURY PARK DISTRICT
1911+05	13.3	SIDE ROAD
1932+83	26.7	RIDGE AVENUE
1933+62	13.3	END PROJECT
TOTAL :	147	

PAVEMENT MARKING SCHEDULE

		THER	SHORT TERM SH	SHORT TERM	PAVEMENT	RAISED REFLECTIVE	RAISED REFLECTIVE	-12				
				4 "		24"	PAVEMENT MARKING	PAVEMENT MARK I NG	MARKING REMOVAL -	PAVEMENT	PAVEMENT	NOTES
	STATIC)N	SOLID WHITE EDGE LINE	SKIP-DASH YELLOW CENTERLINE	SOLID YELLOW LINE	STOP BARS	YELLOW	REMOVAL	WATER BLASTING	MARKER REMOVAL	MARKERS (AMBER)	NOTES
	nVi fai		FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	EACH	EACH	
1783+22	то	1785+92	541		541		50	8	360	3	3	END DOUBLE YELLOW
1785+92	то	1789+76	765	90	385		70	12	413	5	5	CENTER OVERPASS RD
1789+76	то	1797+27	1480	190	755		137	23	808	10	10	START SKIP-DASH YELLOW
1797+27	то	1873+23	15050	1890		11	1382	230	5669	94	94	CENTER DUDLEYVILLE RD
					SOQ	RURAL/URBAN SF	PLIT AT 1873+23					
1873+23	то	1903+05	5875	750		11	543	91	2230	37	37	CENTER S ELM ST
1903+05	то	1933+62	5875	750			556	93	2208	36	36	END PROJECT
SI	UB - TOTA	AL:	29586	3670	1681	22	2738	456	11689	185	185	
	TOTAL :			34940		22	2738	456	11689	185	185	

REV. - MS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

								F.A.*. RTE.	SECTION	COUNTY	TOTAL SHEETS	
SCHEDULES							3	*	(36-2)RS-4	BOND	12	7
								*FAS	779 / FAU 9832	CONTRACT	NO. 76	5P41
SHEET 1	OF	3	SHEETS	STA.		TO STA.			ILLINOIS FED. AI	D PROJECT		

		РА	ТСНІ	NG SCHEDULE					
STATION	EB/WB	LENGTH	WIDTH	CLASS B PATCHES, TYPE II, 14"	SAW CUTS	DOWEL BARS			
STATION	20, 40	FOOT	FOOT	SQ YD	FOOT	EACH			
1791+14	EB	6	12.0	8	30	20			
1791+14 WB 6 12.0				8	30	20			
1818+33	WB	6	12	8	30	20			
			SOQ RURA	L/URBAN SPLIT AT 1873+22	*				
	25		19	03+05 (ELM STREET)					
1910+34	EB	8	12.0	11.0	32	20			
1910+34	WB	8	12.0	11.0	32	20			
	TOTAL: 46.0 154.0 100.0								

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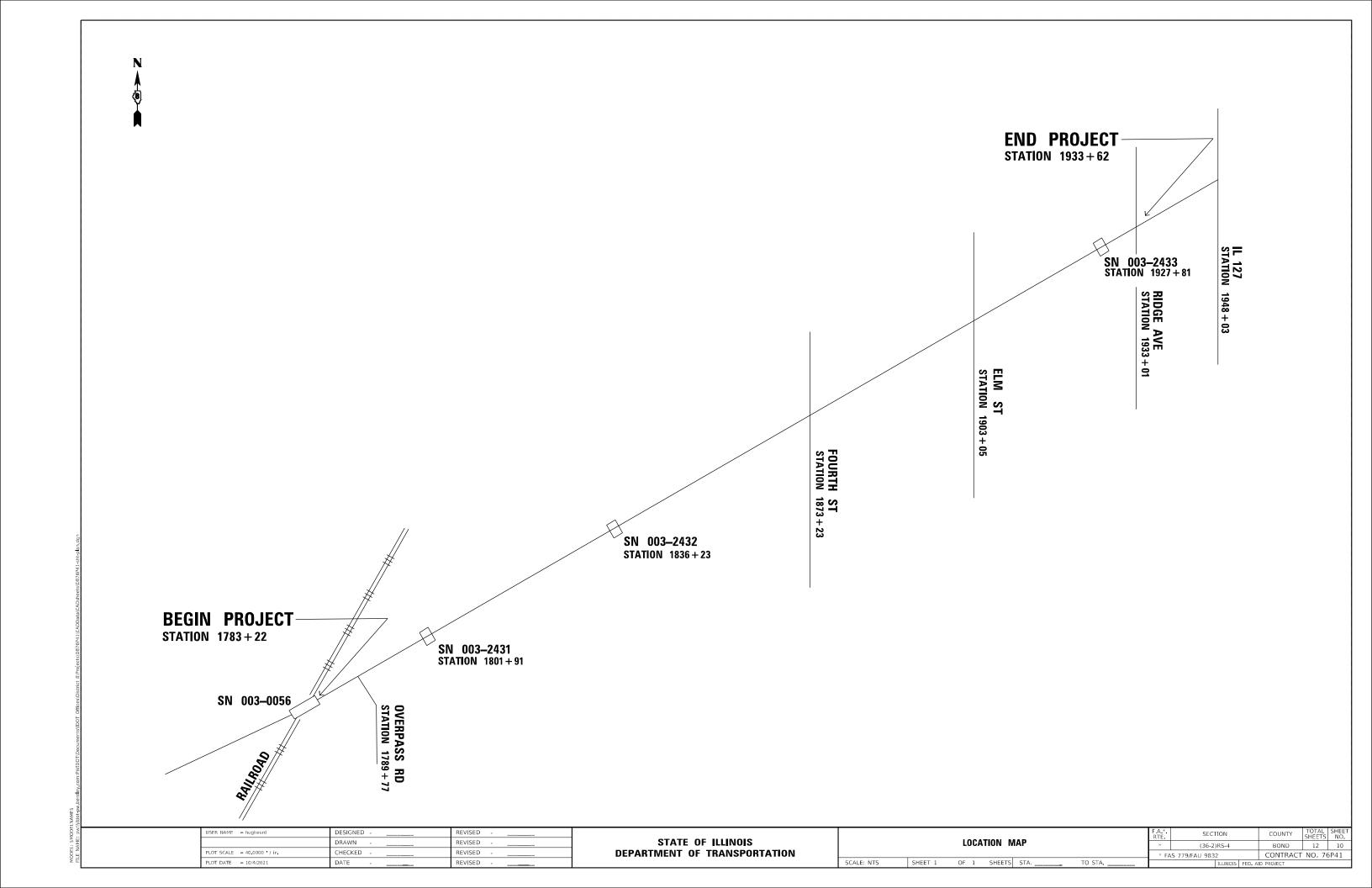
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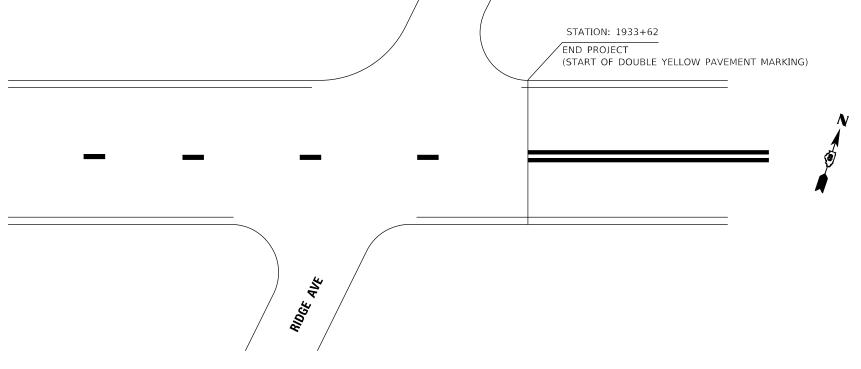
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PLOT DATE = 10/14/2021	DATE -	REVISED -

					F.A.*. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULES						× (36-2)RS-4		BOND	12	9
					*FAS	779 / FAU 9832		CONTRACT	Γ NO. 76	5P41
 SHEET 3 OF 3 SHEETS STA TO STA						ILLII	IOIS FED. A	ID PROJECT		



STATION: 1783+22 BEGIN PROJECT (START OF ASPHALT) END GUARDRAIL **BEGIN RESURFACING DETAILS** S.N. 003-0056 STATION: 1933+62

END RESURFACING DETAILS

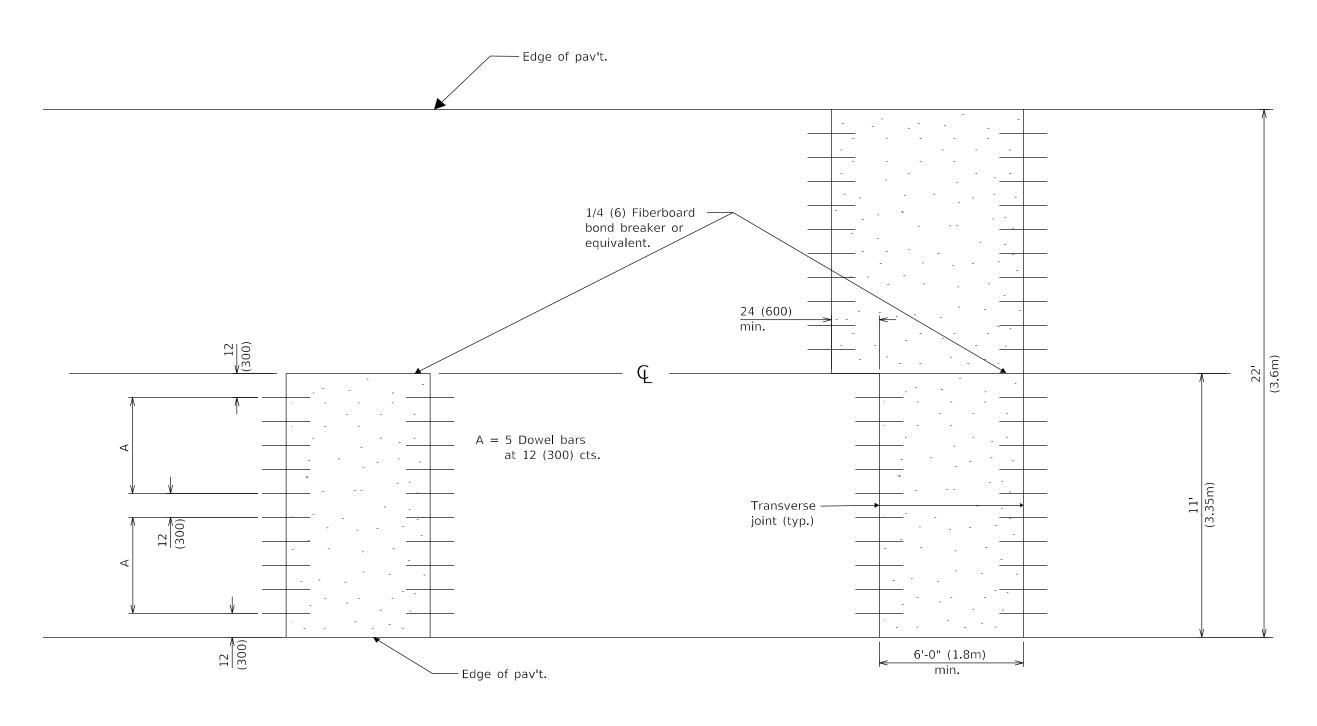


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PLOT DATE = 10/4/2021	DATE -	REVISED -

STATI	OF.	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

						F.A.* RTE	SECT	ΓΙΟΝ		COUNTY	SHEETS	SHEET NO.
			DETAILS			×	(36-2)RS-4		BOND	12	11
						×FA9	779 / FAU 983	32		CONTRACT	NO. 76	5P41
: NTS	SHEET 1	OF	2 SHEETS	STA	TO STA			ILLINOIS	FED. AI	D PROJECT		

DOWEL BAR PLACEMENT DETAIL



USER NAME = hughesrd	DESIGNED	REVISED
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PLOT SCALE = 40.0000 / in.	CHECKED	REVISED
PLOT DATE = 10/4/2021	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

							F.A.*. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				DETAILS			×	(36-2)RS-4	BOND	12	12
							*FAS	779 / FAU 9832	CONTRACT	NO. 76	6P41
SCAL	E: NTS	SHEET 2	OF :	2 SHEETS	STA	TO STA		ILLINOIS FED. AI	ID PROJECT		