

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 1A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	V-15D-RS-2	MADISON	6	1
		ILLINOIS	CONTRACT NO. 76N86	
*OLD ALTON EDWARDSVILLE RD.				

D-98-115-20



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

FOR INDEX OF SHEETS, SEE SHEET NO.

TRAFFIC DATA	
LOCATION	OLD ALTON EDWARDSVILLE RD.
2020 ADT	1400 (ACTUAL)
2040 ADT	1650 (ESTIMATED)
MU%	3.48
SU%	7.83

PROPOSED HIGHWAY PLANS

CH 1A (OLD ALTON EDWARDSVILLE RD.)
SECTION V-15D-RS-2

CM-SMART RESURFACING
MADISON COUNTY

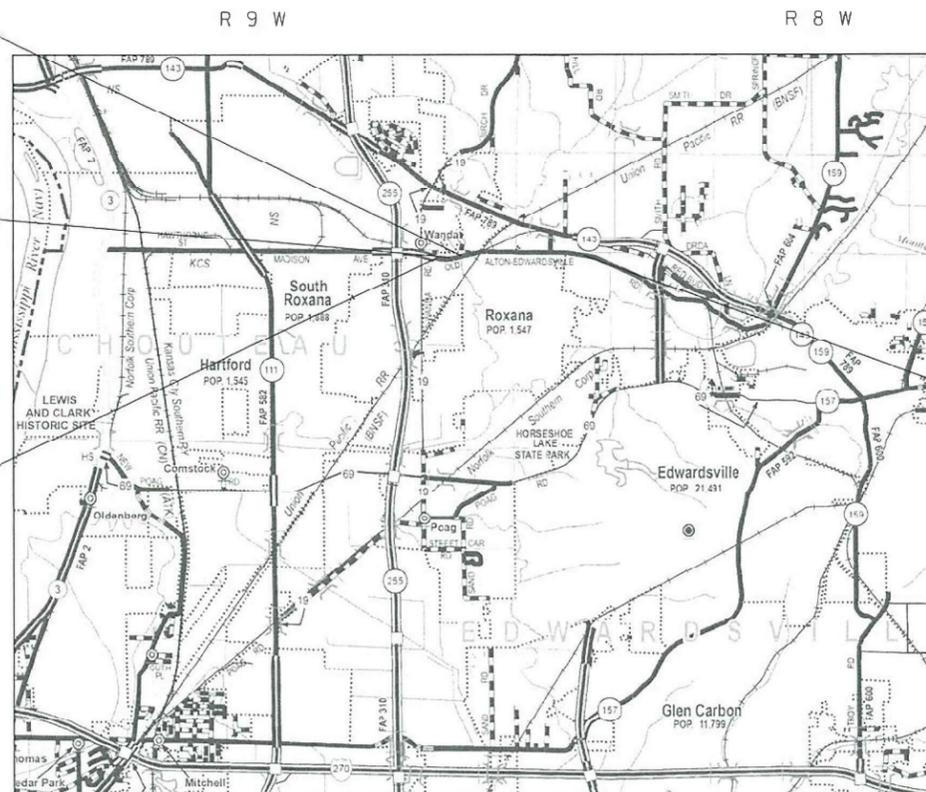
C-98-125-20

BRIDGE OMISSION - SN 060-0261
STA. 19+18.0 TO STA. 21+00.0
(182 FT)

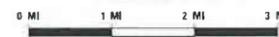
FLOOD GATE OMISSION
STA. 16+23.0 TO STA. 16+43.0
(20 FT)

BEGIN PROJECT
(EXISTING JOINT)
STA. 12+29
LAT: 38.832085
LONG: -90.034308

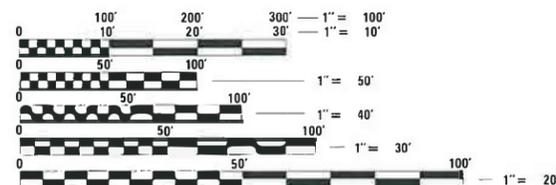
END PROJECT
(EXISTING JOINT)
STA. 73+54
LAT: 38.833027
LONG: -90.012070



LOCATION MAP



1" = 1 MILE
GROSS LENGTH = 6125 FT. = 1.16 MILE
NET LENGTH = 5923 FT. = 1.12 MILE



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: TIFFANY BRASE (618) 346-3175
PROJECT MANAGER: RAHSHUN MILLER (618) 346-3196

CONTRACT NO. 76N86

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 8, 2020
K. Roberts REGIONAL ENGINEER

December 4, 2020
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2020
James J. Gu
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, MIXTURE REQUIREMENTS & COMMITMENTS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULE OF QUANTITIES
6	LOCATION MAP, TIES & SURVEY MONUMENTS DETAILS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W DAY ONLY
701201-05	LANE CLOSURES, 2L, 2W, DAY ONLY FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURES, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURES, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS \geq 45 MPH
701311-03	SLOW MOVING OPERATIONS DAY ONLY
701336-07	LANE CLOSURES, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS \geq 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

MIXTURE REQUIREMENTS

ROUTE	CH 1 A (OLD ALTON EDWARDSVILLE RD.)
SECTION	V-15D-RS-2
COUNTIES	MADISON
CONTRACT	76N86

DESCRIPTION	SMART - RESURFACING OF OLD ALTON EDWARDSVILLE RD. FROM 0.3 MI EAST OF WANDA RD. TO CAHOKIA CREEK RD.
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ADT (CONSTRUCTION YR):	1400
MU%	3.48
SU%	7.83
20 YR. ESAL'S:	0.41

MIXTURE USE	SURFACE	PATCHING
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=70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGG	MIXTURE "C"	MIXTURE "B"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

GENERAL NOTES

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

	AERIAL	BURIED
*AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
*AT&T ILLINOIS (COMMUNICATIONS)	X	X
*BUCKEYE PARTNERS L.P., WOOD RIVER PIPELINE (PIPELINE)		X
*CHARTER COMMUNICATIONS, INC. (CABLE TV)	X	X
*EVERSTREAM GLC HOLDING COMPANY LLC (COMMUNICATION)	X	X
*EXPLORER PIPELINE COMPANY (PIPELINE)		X
*METRO EAST SANITARY DISTRICT (SANITARY SEWER)		X
*NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT (WATER)		X
*VILLAGE OF ROXANA (WATER & SANITARY SEWER)		X
*CITY OF WOOD RIVER (WATER & SANITARY SEWER)		X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDACATED BY AN*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ② NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- ③ ONLY SHORT-TERM PAVEMENT MARKING REMOVAL FROM FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL".
- ④ NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
- ⑤ THE PROPOSED PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AND CONTINUE THROUGHOUT THE JOB AND TIE INTO THE EXISTING PAVEMENT MARKINGS AT THE END OF THE RESURFACING PART OF THE PROJECT.
- ⑥ THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS TO ENSURE THEY ARE VISIBLE UPON COMPLETION OF THE RESURFACING. THE PROCESS ESTABLISHED BY THE CONTRACTOR SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO CONSTRUCTION AND THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE RESURFACING.
- ⑦ THE THICKNESS OF HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCURS DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- ⑧ MATERIAL TRANSFER DEVICE CAN OPERATE IN AN UNLOADED CONDITION ON STRUCTURE SN 060-0261 AND 060-2578.
- ⑨ TWO CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED ALONG OLD ALTON EDWARDSVILLE RD. TO ALERT DRIVERS OF THE ROAD CONSTRUCTION. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 14 DAYS PRIOR TO BEGINNING ANY WORK. EXACT LOCATIONS OF THE CHANGEABLE MESSAGE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- ⑩ 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.

COMMITMENTS

NONE

REV. - MS

*OLD ALTON EDWARDSVILLE RD.

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS
INDEX OF SHEETS, HIGHWAY STANDARDS

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

CH 1A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	V-15D-RS-2	MADISON	6	2
			CONTRACT NO. 76N86	
ILLINOIS FED. AID PROJECT				

100%
STATE

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE	
				ROADWAY 0005	RURAL
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5402	5402	
40600990	TEMPORARY RAMP	SQ YD	154	154	
40604052	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N70	TON	1012	1012	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	12005	12005	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	16	16	
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	53	53	
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	141	141	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
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	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1077	1077	

100%
STATE

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE	
				ROADWAY 0005	RURAL
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	179	179	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23230	23230	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23230	23230	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	74	74	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	74	74	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	7743	7743	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	5923	5923	
Z0034105	MATERIAL TRANSFER DEVICE	TON	997	997	

* SPECIALTY ITEM

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*OLD ALTON EDWARDSVILLE RD.

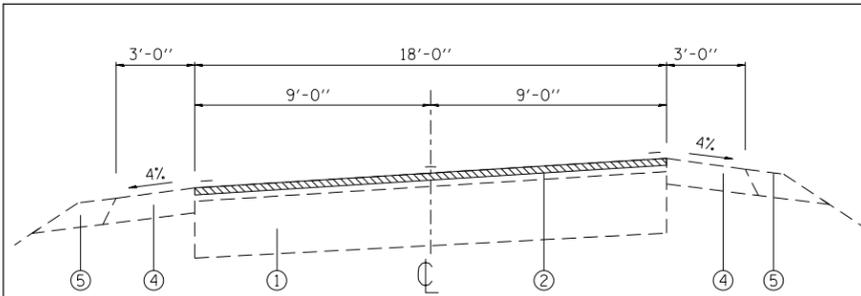
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

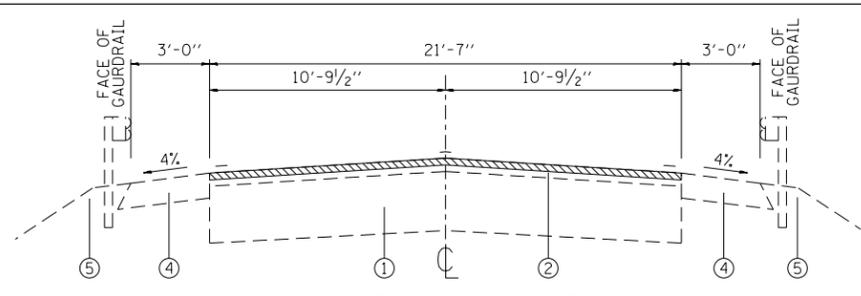
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CH1A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
+	V-15D-RS-2	MADISON	6	3
CONTRACT NO. 76N86			ILLINOIS FED. AID PROJECT	



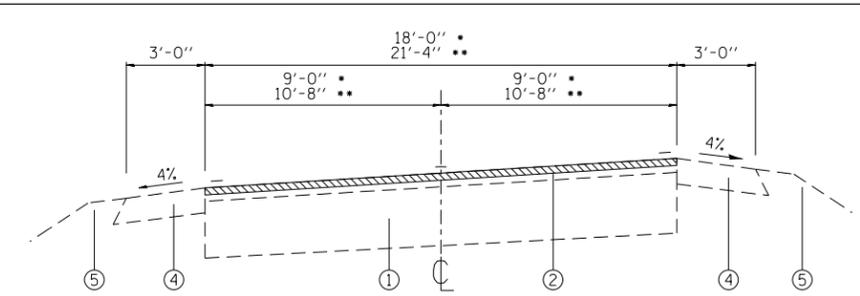
EXISTING TYPICAL SECTION

STA. 12+26 TO STA. 16+23
 FLOODGATE OMISSION: STA. 16+23 TO STA. 16+43
 STA. 16+43 TO STA. 18+65



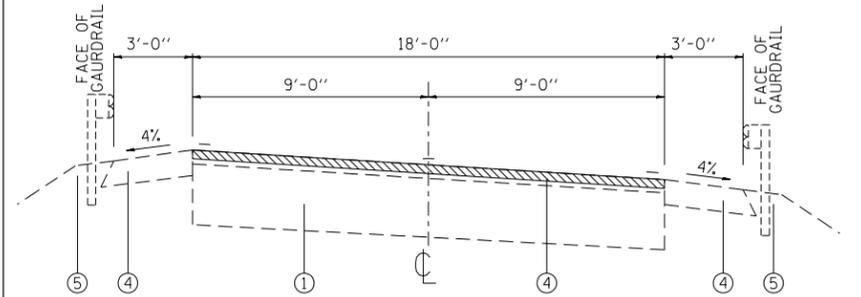
EXISTING TYPICAL SECTION

STA. 18+65 TO STA. 19+18
 BRIDGE OMISSION: STA. 19+18 TO STA. 21+00
 STA. 21+00 TO STA. 22+40



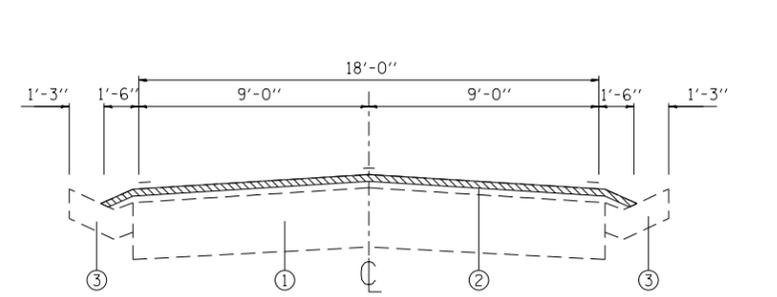
EXISTING TYPICAL SECTION

*STA. 22+40 TO STA. 26+55
 **STA. 33+99 TO STA. 35+02



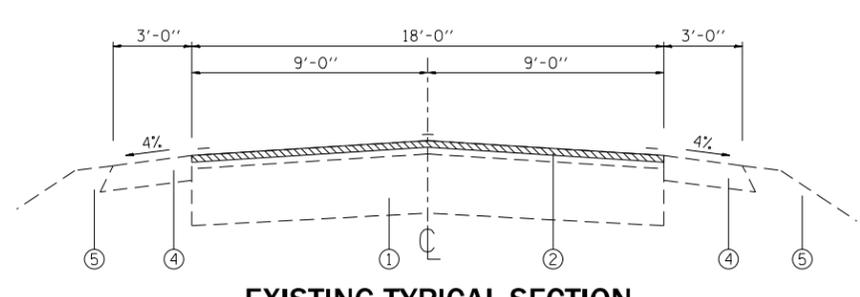
EXISTING TYPICAL SECTION

STA. 28+90 TO STA. 33+99



EXISTING TYPICAL SECTION

STA. 35+02 TO STA. 40+69



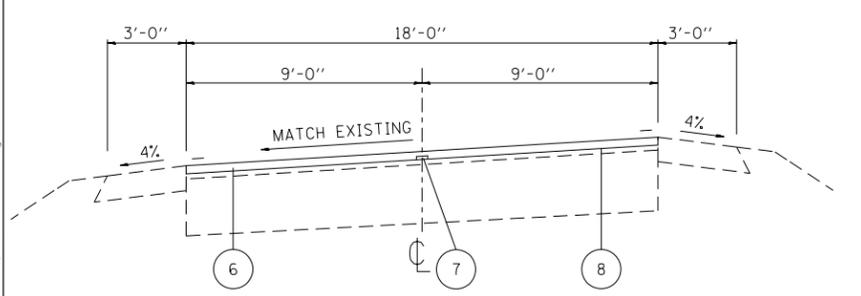
EXISTING TYPICAL SECTION

STA. 26+55 TO STA. 28+90
 STA. 40+69 TO STA. 73+54

HMA SURFACE REMOVAL 1 1/2"

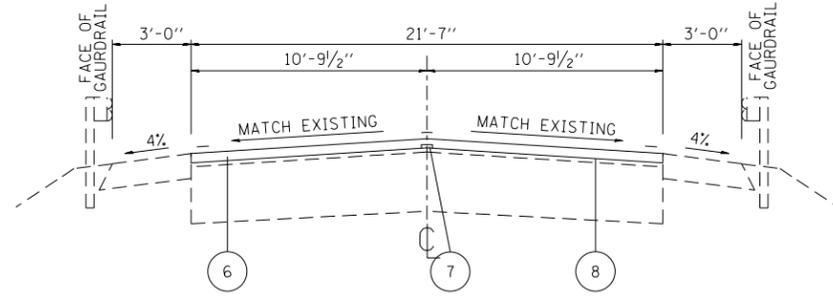
LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING RESURFACING OVERLAY, 2 1/4"
- ③ EXISTING GUTTER
- ④ EXISTING BITUMINOUS SHOULDERS 8"
- ⑤ EXISTING EARTH SHOULDERS
- ⑥ PROPOSED HMA SURFACE COURSE, IL -9.5, MIX "C", N70, 1 1/2"
- ⑦ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑧ PROPOSED BITUMINOUS MATERIAL (TACK COAT)



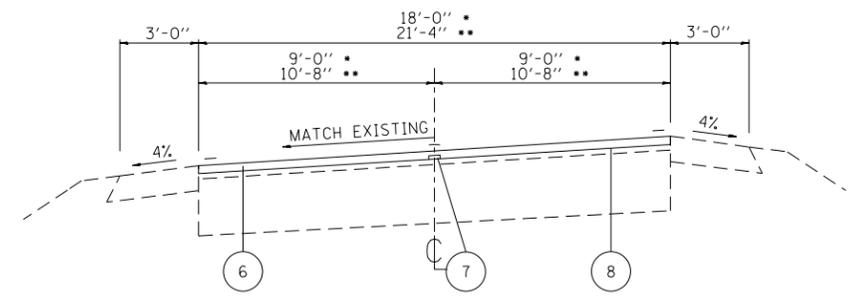
PROPOSED TYPICAL SECTION

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 FLOODGATE OMISSION: STA. 16+23 TO STA. 16+43
 STA. 16+43 TO STA. 18+65



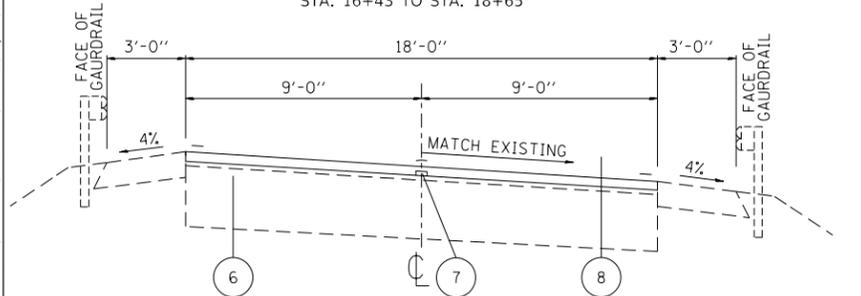
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 STA. 21+00 TO STA. 22+40



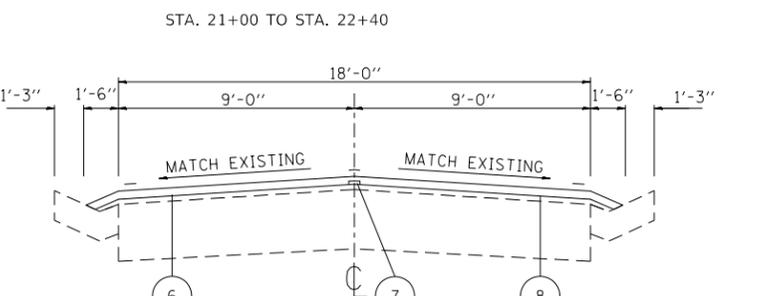
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 **STA. 33+99 TO STA. 35+02



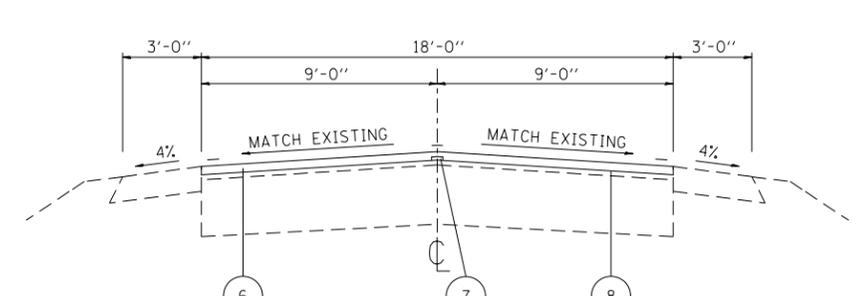
PROPOSED TYPICAL SECTION

STA. 28+90 TO STA. 33+99



PROPOSED TYPICAL SECTION

STA. 35+02 TO STA. 40+69



PROPOSED TYPICAL SECTION

STA. 26+55 TO STA. 28+90
 STA. 40+69 TO STA. 73+54

*OLD ALTON EDWARDSVILLE RD.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

CH1A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
+	V-15D-RS-2	MADISON	6	4
CONTRACT NO. 76N86				
ILLINOIS FED. AID PROJECT				

PAVEMENT PATCHING 12"

STATION	SIDE	LENGTH	WIDTH	QUANTITY	TYPE II	TYPE III	TYPE IV
		(FT)	(FT)	(SQ YDS)	(SQ YDS)	(SQ YDS)	(SQ YDS)
OLD ALTON EDWARDSVILLE RD.							
STA. 28+13	WB	40	12	53.3			53.3
STA. 28+13	EB	40	12	53.3			53.3
STA. 43+97	EB	6	12	8.0	8.0		
STA. 43+97	EB	6	12	8.0	8.0		
STA. 43+97	EB	15	12	20.0		20.0	
STA. 54+53	EB	12	12	16.0		16.0	
STA. 59+81	WB	24	12	32.0			32.0
STA. 70+37	EB	24	6	16.0		16.0	
SUB TOTALS:					16.0	52.0	138.7
PROJECTED FAILURES 20%					0.3	1.0	2.8
TOTALS:					16	53	141

TEMPORARY RAMPS

LOCATION		WIDTH	LENGTH	TEMPORARY RAMPS
DESCRIPTION	STATION	(FT)	(FT)	(SY)
BEGINNING	12+29	18	5	10.0
FLOODGATE OMISSION	16+23	18	5	10.0
FLOODGATE OMISSION	16+23	18	5	10.0
BRIDGE OMISSION	19+18	21.7	5	12.1
BRIDGE OMISSION	21+00	21.7	5	12.1
BARTON RD.	25+20	52	2	11.6
SECTION LINE RD.	48+05	84	2	18.7
BENDER RD.	68+96	181	2	40.2
BENDER RD.	68+96	118	2	26.2
ENDING	73+54	18	5	10.0
TOTAL:				233

RESURFACING SCHEDULE

STATION	DIMENSION		HMA SURFACE REMOVAL	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE COURSE 1L
	LENGTH	WIDTH	1 1/2"			9.5 "MIX C" N70
	FOOT	FOOT	SQ YD	FOOT	POUND	TON
OLD ALTON EDWARDSVILLE RD.						
12+29 TO 16+23	394	18.0	788.0	394	354.6	67
16+23 TO 16+43	20			FLOODGATE OMISSION		
16+43 TO 18+65	222	18.0	444.0	222	199.8	38
18+65 TO 19+18	53	21.7	128.0	53	57.5	11
19+18 TO 21+00	182			BRIDGE OMISSION		
21+00 TO 22+40	140	21.7	338.0	140	151.9	29
22+40 TO 26+55	415	19.7	909.0	415	408.8	77
26+55 TO 73+54	4699	18.0	9398.0	4699	4229.1	790
TOTAL:			12005	5923	5402	1012

PAVEMENT MARKING SCHEDULE

STATION	LENGTH	THERMOPLASTIC LINE 4"			SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING 4"	TEMPORARY PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
		WHITE	YELLOW							
		SOLID LINE	SKIP-DASH	NO PASSING						
		FOOT	FOOT	FOOT	FOOT	SQFT	FOOT	SQFT	EACH	EACH
OLD US 50										
12+29 TO 16+23	394.0	788		788	72	12	1576	525	5	5
16+23 TO 16+43	20.0					FLOODGATE OMISSION				
16+43 TO 19+18	275.0	550		550	50	8	1100	367	3	3
19+18 TO 21+00	182.0					BRIDGE OMISSION				
21+00 TO 73+54	5254.0	10508	154	9892	955	159	20554	6851	66	66
SUB TOTAL:		11846	154	11230						
TOTAL:		23230			1077	179	23230	7743	74	74

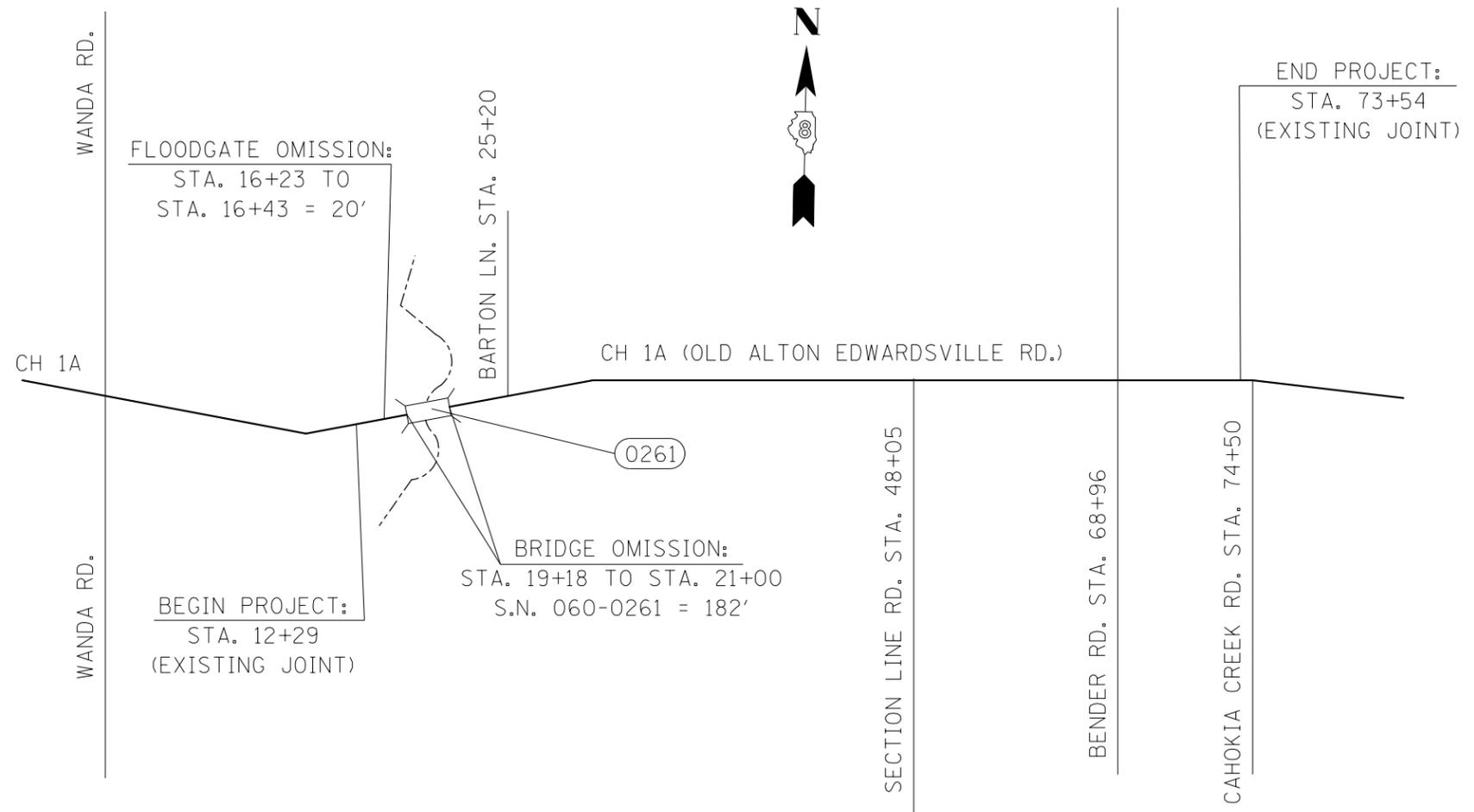
*OLD ALTON EDWARDSVILLE RD.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

CH1A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	V-15D-RS-2	MADISON	6	5
CONTRACT NO. 76N86				
SCALE: NTS		SHEET 1 OF 1 SHEETS		STA. TO STA.
		ILLINOIS		FED. AID PROJECT

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*OLD ALTON EDWARDSVILLE RD.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

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

CH1A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
+	V-15D-RS-2	MADISON	6	6
CONTRACT NO. 76N86				
		ILLINOIS	FED. AID PROJECT	