03-08-2024 LETTING ITEM 080

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

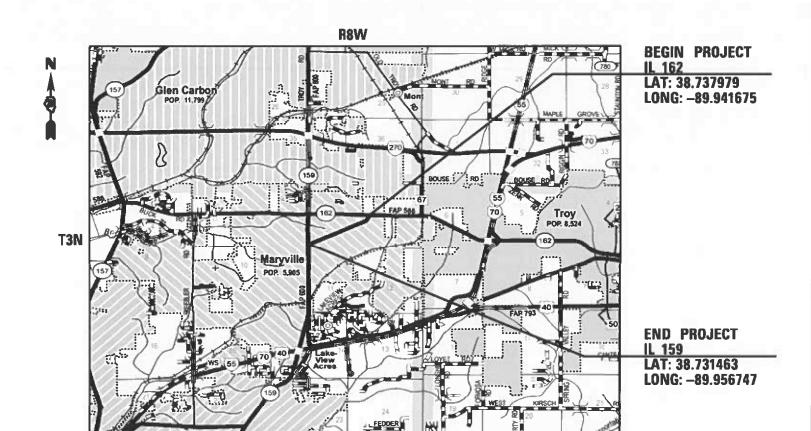
D-98-052-23

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAU ROUTE 9110 (VADALABENE DRIVE) SECTION (31-15)Q SMART RESURFACING MADISON COUNTY

C-98-096-23



GROSS LENGTH = 4752 FT. = 0.9 MILE NET LENGTH = 4752 FT. = 0.9 MILE MAP NOT TO SCALE

HANCOCK MC DONOUGH PULTON
SCHANER
ADMRIS BROWN CARS
BROWN CARS
BROWN CARS
ADMRIS BROWN AM
ADMR

STATE OF ILLINOIS

BMITTED December 21 2023

- Kync H. Burut
REGION

SHOUNTED OF DECICAL AND ENLUDONMENT

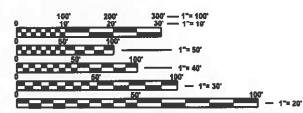
February 2, 2024

February 2, 20

LOCATION OF SECTION INDICATED THUS: -

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



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: JOHN GREEN

CONTRACT NO. 76T33

)

INDEX OF SHEETS

- INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, ADT, COMMITMENTS, AND MIX CHART SUMMARY OF QUANTITIES TYPICAL SECTION SCHEDULE OF QUANTITIES

- GUARDRAIL DETAILS

HIGHWAY STANDARDS

STANDARD SYMBOLS ABBREVIATIONS & PATTERNS
DECIMAL OF INCH & FOOT
STEEL PLATE BEAM GUARDRAIL
STRONG POST GUARDRAIL ATTACHED TO CULVERT
LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
LANE CLOSURE 2 LANE 2 WAY SLOW MOVING OPERATION, DAY ONLY 45 MPH OR MORE
LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
TRAFFIC CONTROL DEVICES
OBJECT AND TERMINAL MARKERS
TYPICAL PAVEMENT MARKINGS
TYPICAL PAVEMENT MARKINGS
TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

ADT

FROM IL 159 TO DECKER RD 2021 ADT = 4350 (ACTUAL) 2024 ADT = 4500 (ESTIMATED) 2044 ADT = 5100 (ESTIMATED) SU = 2.8% MU = 0.9%

FROM DECKER RD TO IL 162 2021 ADT = 3000 (ACTUAL) 2024 ADT = 3100 (ESTIMATED) 2044 ADT = 3500 (ESTIMATED) SU = 2.0% MU = 1.0%

COMMITMENTS

NO COMMITMENTS

JSER NAME = John.P.Green DESIGNED -REVISED -DRAWN REVISED -CHECKED . REVISED PLOT DATE = 12/27/2023 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

AMEREN ILLINOIS

AT&T ILLINOIS

CHARTER COMMUNICATIONS, INC.

CLEARWAVE FIBER LLC

ILLINOIS AMERICAN WATER COMPANY

KINDER MORGAN

VILLAGE OF MARYVILLE

VERIZON BUSINESS

SOUTHWESTERN ELECTRIC COOPERATIVE, INC.

CITY OF TROY

ZAYO GROUP LLC

- 2. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.D.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. OF THE STANDARD SPECIFICATIONS.
- 3. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- 4. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL AS DIRECTED BY THE ENGINEER. AT THE CONTRACTOR'S EXPENSE.
- 5. 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 DISADVNTAGED 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.

MIXTURE COMPOSITION

DESCRIPTION	SMART OVERLAY
MIXTURE USE	SURFACE
AC/PG	PG 64 - 22
DESIGN AIR VOIDS	4.0% @ Ndes=70
MIX COMPOSITION (Gradation)	IL 9.5
FRICTION AGG	MIXTURE "D"
QUALITY MGMT PROGRAM	QC/QA
MatTranDev Required?	NO

PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN

SECTION COUNTY INDEX OF SHEETS, HIGHWAY STANDARDS 9110 (31-15)Q MADISON 6 GENERAL NOTES, ADT, COMMITMENTS, AND MIX CHART CONTRACT NO. 76T33 OF SHEETS STA. ILLINOIS FED

100% STATE

				CONSTR. COD
				ROADWAY
CODE	1754		TOTAL	0005
NO.	ITEM	UNIT	QUANTITY	URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6178	6178
40600370	LONGITUDINAL JOINT SEALANT	FOOT	4752	4752
40600990	TEMPORARY RAMP	SQ YD	84	84
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1150	1152
40004002	HOT-WIX ASPHALT SURFACE COURSE, IL-9.5, WIX D , 1970	TON	1153	1153
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	13728	13728
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	185	185
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	235	235
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	75	75
20100107	TOURS OF DEDUCE TRANSPORT AND A CORPORATION OF THE CORPORT OF THE	FAOU		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	262	262
67100100	MOBILIZATION	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
70300100	SHORT TERM PAVEMENT MARKING	FOOT	432	432

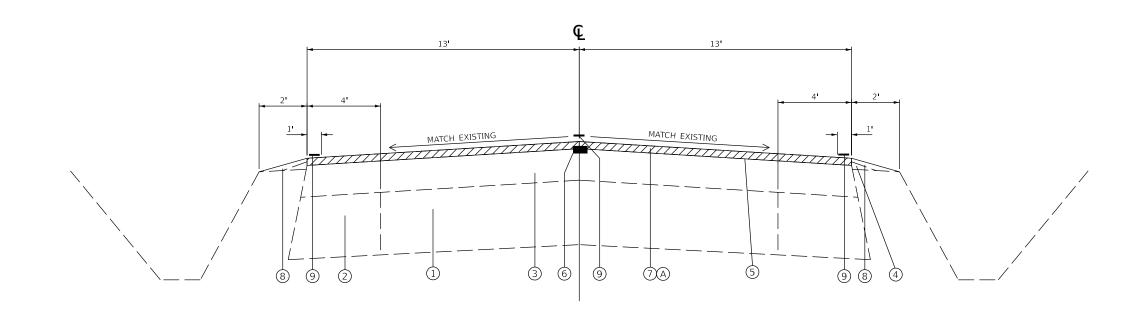
★ SPECIALTY ITEM

100% STATE

					CONSTR. COD
			16		ROADWAY
ı	CODE			TOTAL	0005
	NO.	ITEM	UNIT	QUANTITY	URBAN
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	144	144
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	12540	12540
	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	13702	13702
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	60	60
	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	60	60
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4180	4180

REV. - MS

_															_
	USER NAME = John.P.Green	DESIGNED -	REVISED -					F.A.U.	SECTION	COUNTY	TOTAL S	HEET			
		DRAWN -	REVISED _	STATE OF ILLINOIS	SUMMARY OF QUANTITIES		SUMMARY OF QUANTITIES		9110	(31-15)Q	MADISON	6	3		
1	PLOT SCALE = 0.16666633 '/in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								(51.15)4	CONTRACT	T NO. 76T33	ات
	PLOT DATE = 12/22/2023	DATE _	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			PROJECT		二



TYPICAL SECTION

MS 0.00 to MS 0.90

LEGEND

- ① EXISTING PCC PAVEMENT, 9" ② EXISTING HOT-MIX ASPHALT B EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- EXISTING HOT-MIX ASPHALT RESURFACING, 4 1/4" EXISTING AGGREGATE WEDGE SHOULDER, TYPE B
- PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- PROPOSED LONGITUDINAL JOINT SEALANT
- PROPOSED SURFACE HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, $1\frac{1}{2}$ "
- PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 5"
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, $1\frac{1}{2}$ "

USER NAME = John.P.Green	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/21/2023	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY TOTAL SHEET NO.

MADISON 6 4 SECTION TYPICAL SECTION (31-15)Q CONTRACT NO. 76T33 OF SHEETS STA.

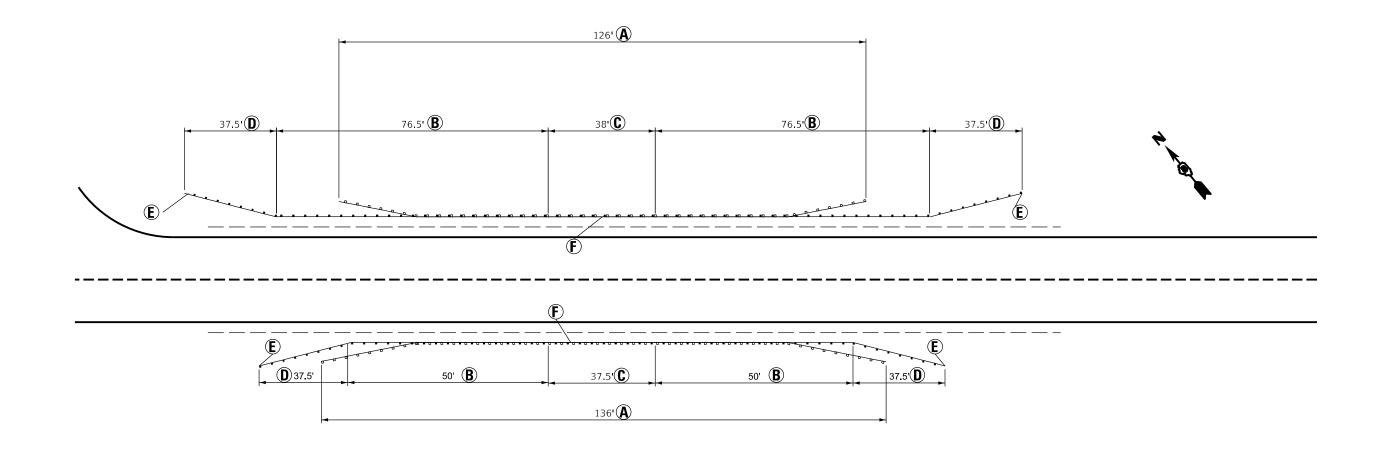
PAVEMENT MARKING SCHEDULE THERMOPLASTIC PAVEMENT MARKING - LINE 5" SHORT TERM SHORT TERM RAISED REFLECTIVE | TEMPORARY PAVEMENT PAVEMENT MARKING RAISED REFLECTIVE **PAVEMENT MARKER PAVEMENT** PAVEMENT MARKING MARKING - LINE 4" -**REMOVAL - WATER** SKIP-DASH SOLID **DOUBLE** PAVEMENT MARKERS SOLID YELLOW (FT) LOCATION MARKING **REMOVAL** REMOVAL **PAINT BLASTING** YELLOW WHITE **YELLOW LINE** (FT) NO PASSING ZONE (FT) (FT) (FT) (SQFT) (EACH) (EACH) (FT) (SQFT) CENTERLINE EB **EDGELINES** MEDIAN MP 0.00 TO 0.06 79 317 634 29 10 4 4 713 238 MP 0.06 TO 0.19 686 686 1373 62 21 9 9 2745 915 MP 0.19 TO 0.24 66 264 528 24 8 594 198 3 3 MP 0.24 TO 0.35 145 581 1162 53 18 1307 436 MP 0.35 TO 0.83 5069 230 77 32 32 5702 1901 634 1479 493 0.83 TO 0.90 739 34 11 740 5 5 924 686 1,848 SUB-TOTAL 9,504 740 TOTAL 13,702 432 144 60 60 12540 4180

	RESURFACING SCHEDULE										
LOCATION		WIDTH (FT)	BITUMINOUS MATERIALS, TACK COAT (LBS)	HMA SURFACE COURSE, IL- 9.5, MIX "D", N70 (TON)	HMA SURFACE REMOVAL, 1.5" (SQ YD)	LONGITUDINAL JOINT SEALANT (FT)	SHOULDER, TYPE B				
MP	0.00 TO 0.16	26	1098	205	2441	845	33				
MP	0.16 TO 0.90	26	5079	948	11287	3907	152				
TOTAL 6178 1,153 13,728 4,752 185											

GUARDRAIL SCHEDULE								
	LOCATION	OFFSET	GUARDRAIL REMOVAL (FT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FT)	STRONG POST GUARDRAIL ATTACHED TO CULVERT (FT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)		
MP	0.78 TO 0.81	WB	126	153	38	2		
MP	0.78 TO 0.81	EB	136	83	38	2		
	TOTAL		262	235	75	4		

MODEL: Final Final Schedule [Sheet]

USER NAME = John.P.Green	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2023	DATE -	REVISED -



GUARDRAIL REMOVAL

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS STRONG POST GUARDRAIL ATTACHED TO CULVERT TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

TERMINAL MARKER – DIRECT APPLIED

GUARDRAIL REFLECTORS, TYPE A (4 EACH SIDE)

THE GUARDRAIL ATTACHED TO STRUCTURE SHALL BE CENTERED AROUND THE BOX CULVERT AS DESIGNATED BY THE ENGINEER.

JSER NAME = John.P.Green DESIGNED -REVISED -SECTION COUNTY STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **GUARDRAIL DETAILS** DRAWN -REVISED -(31-15)Q MADISON 6 6 CHECKED -REVISED -CONTRACT NO. 76T33 PLOT DATE = 12/27/2023 OF SHEETS STA. TO STA.