

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D9 CM PATCH 2024-2		UNION	7	1
		ILLINOIS	CONTRACT NO. 78A41	

* US 51/CHOATE MENTAL HEALTH RD (FAP 322/FAU 9900A)

D-99-020-24



LOCATION OF SECTION INDICATED THUS: [Symbol]

**PROPOSED
HIGHWAY PLANS**

FAP 322/FAU 9900A (US 51/CHOATE MENTAL HEALTH RD.)
D9 CM PATCH 2024-2
PAVEMENT PATCHING
UNION COUNTY

C-99-049-24

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

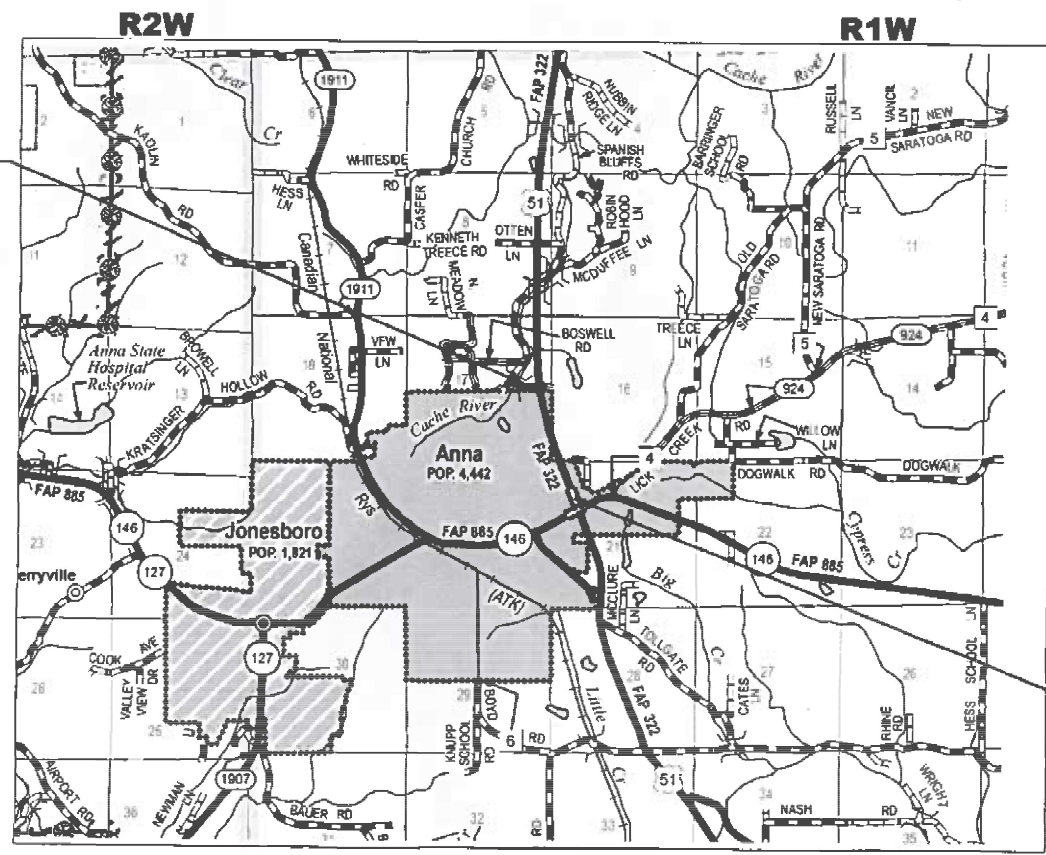
TRAFFIC DATA (2024)

PROJECT LOCATION 1
ADT: 1,770 %TRUCKS: 2.82%

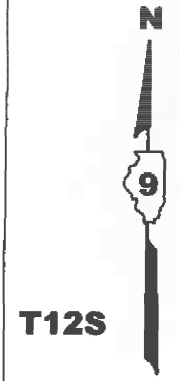
PROJECT LOCATION 2
ADT: 1,114 %TRUCKS: 15.98%

TOWNSHIPS

ANNA



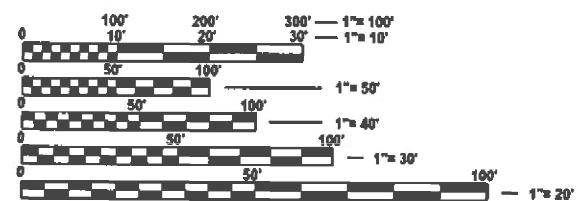
PROJECT LOCATION 1
(ANNA QUARRY RD/CHOATE MENTAL HEALTH RD)



T12S

DESIGN DESIGNATION : N/A

POSTED SPEED : 45 MPH



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: SUSAN POE
PROJECT MANAGER: ZACHARY HUGHEY

CONTRACT NO. 78A41

GROSS LENGTH = 1,403 FT. = 0.265 MILE
NET LENGTH = 1,403 FT. = 0.265 MILE

PROJECT LOCATION 2
US 51 SOUTHBOUND LEFT TURN LANE ONTO 146

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 15 20 24
Kirk H. Brennan
REGIONAL ENGINEER

May 10, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

MODEL: Schedule01 [Sheet]
 FILE NAME: C:\p\work\wip\illinois\p\z\zachary_hughes\p\0929510978441_SNA-Cover_Sig.dgn

Prepared By: Susan Poe
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy New
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: Con Nelson
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Z. C. [Signature]
 DISTRICT OPERATIONS ENGINEER

Examined By: Dayle J. [Signature]
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Dayle J. [Signature]
 DISTRICT CONSTRUCTION ENGINEER

Examined By: Ann Hays
 DISTRICT MATERIALS ENGINEER

USER NAME	= Zachary.Hughes	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	DATE	-	REVISED	-
PLOT DATE	= 1/10/2024				

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE:	SHEET	OF 7 SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						D9 CM PATCH 2024-2	UNION	7	2
								CONTRACT NO. 78A41	
ILLINOIS FED. AID PROJECT									

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, COMMITMENTS
4-5	SUMMARY OF QUANTITIES
6-7	SCHEDULE

GENERAL NOTES

THE QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THE LOCATIONS OF THE PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

IF ANY STAMPED STATION FALL WITHIN THE PATCH AREA, THE NEW PATCH SHALL BE RESTAMPED. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2" TALL OF A DESIGN APPROVED BY THE ENGINEER, AND THEY SHALL REMAIN IN THE PROPERTY OF THE CONTRACTOR.

QUANTITIES SHOWN IN THE PLANS FOR PAVEMENT MARKINGS ARE ESTIMATES. THE ACTUAL AMOUNT OF PAVEMENT MARKINGS REQUIRED WILL BE DETERMINED BY THE ENGINEER.

COMMITMENTS: NONE

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-10 PAVEMENT JOINTS**
- 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT
- 442101-09 CLASS B PATCHES
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
- 701336-07 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS 45MPH OR MORE
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-09 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

REV. - MS

MODEL: index-01 (Sheet)
FILE NAME: c:\p\work\pwr\illinois.gov\zachary\hughes\10978441-SHB-Index_GenNotes.dgn

USER NAME = Zachary.Hughes PLOT SCALE = 0.16666633 / in. PLOT DATE = 1/11/2024	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, COMMITMENTS	F.A. * RTE. *	SECTION D9 CM PATCH 2024-2	COUNTY UNION	TOTAL SHEETS 7	SHEET NO. 3	CONTRACT NO. 78A41 ILLINOIS FED. AID PROJECT
SCALE:				SHEET	OF 7	SHEETS	STA.	TO STA.		

SUMMARY OF QUANTITIES

COUNTY:	UNION CO
ROUTE:	FAP 322/FAU 9900A
FUNDING:	100% STATE
LOCATION:	RURAL
	ROADWAY
	0006

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
44200050	WELDED WIRE REINFORCEMENT	SQ YD	519
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	337
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	40
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	279
44200988	CLASS B PATCHES, TYPE IV, 11 INCH	SQ YD	200
44201298	DOWEL BARS 1 1/4"	EACH	844
44201299	DOWEL BARS 1 1/2"	EACH	28
44213200	SAW CUTS	FOOT	3,266
44213204	TIE BARS 3/4"	EACH	234
67100100	MOBILIZATION	L SUM	1

MODEL: S-Q-01 [Sheet]
 FILE NAME: c:\prj_work\paw\illinois.gov_zachary.hughey@illinois.gov\0929951\0978441-SHC-S-Q.dgn

REV. - MS

USER NAME = Zachary.Hughey DRAWN - CHECKED - DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	SCALE: SHEET OF 7 SHEETS STA. TO STA.	F.A. * RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
					* D9 CM PATCH 2024-2 UNION 7 4	
					ILLINOIS FED. AID PROJECT CONTRACT NO. 78A41	

SUMMARY OF QUANTITIES - CONT

COUNTY:	UNION CO
ROUTE:	FAP 322/FAU 9900A
FUNDING:	100% STATE
LOCATION:	RURAL
	ROADWAY
	0006

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42
70300100	SHORT TERM PAVEMENT MARKING	FOOT	100
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	34
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	42
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,053
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	51

* SPECIALTY ITEM

MODEL: SQC02 (Sheet)
FILE NAME: c:\prj_work\pwr\illinois.gov_zachary.hughey@illinois.gov\0929951\097841-SHC-SQC.dgn

REV. - MS

USER NAME = Zachary.Hughey DRAWN - PLOT SCALE = 0.16666633 / in. PLOT DATE = 3/12/2024	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	SCALE: SHEET OF 7 SHEETS STA. TO STA.	F.A. * RTE.	SECTION D9 CM PATCH 2024-2	COUNTY UNION	TOTAL SHEETS 7	SHEET NO. 5	CONTRACT NO. 78A41 ILLINOIS FED. AID PROJECT
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PATCHING ANNA QUARRY RD EASTBOUND

Width	Length	Area	Class B Patches, TY II, 8"	Class B Patches, TY III, 8"	Class B Patches, TY IV, 8"	Tie Bars 3/4"	Dowel Bars 1 1/4"	Saw Cuts	Welded Wire
(FEET)	(FEET)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(EACH)	(FOOT)	(SQ YD)
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
12	8	11	11	.	.	.	20	52	.
6	16	11	11	.	.	.	8	50	.
12	6	8	8	.	.	.	20	48	.
6	30	20	.	20	.	10	8	78	20
12	6	8	8	.	.	.	20	48	.
6	60	40	.	.	40	20	0	138	40
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
6	30	20	.	20	.	10	8	78	20
12	25	34	.	.	34	8	20	86	34
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
12	8	11	11	.	.	.	20	52	.
12	6	8	8	.	.	.	20	48	.
12	10	14	14	.	.	.	20	56	.
12	50	67	.	.	67	17	20	136	67
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
12	6	8	8	.	.	.	20	48	.
SUBTOTAL			167	40	141	65	432	1446	181

PATCHING ANNA QUARRY RD WESTBOUND

Width	Length	Area	Class B Patches, TY II, 8"	Class B Patches, TY III, 8"	Class B Patches, TY IV, 8"	*Tie Bars 3/4"	Dowel Bars 1 1/4"	Saw Cuts	Welded Wire
(FEET)	(FEET)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(EACH)	(FOOT)	(SQ YD)
12	6	8	8	.	.	2	20	48	.
12	6	8	8	.	.	2	20	48	.
6	125	84	.	.	84	42	8	268	84
12	6	8	8	.	.	2	20	48	.
12	6	8	8	.	.	2	20	48	.
12	20	27	.	.	27	7	20	76	27
12	6	8	8	.	.	2	20	48	.
6	10	7	7	.	.	3	8	38	.
12	6	8	8	.	.	2	20	48	.
6	10	7	7	.	.	3	8	38	.
12	6	8	8	.	.	2	20	48	.
6	40	27	.	.	27	13	8	98	27
12	6	8	8	.	.	2	20	48	.
12	8	11	11	.	.	3	20	52	.
12	6	8	8	.	.	2	20	48	.
12	10	14	14	.	.	3	20	56	.
12	8	11	11	.	.	3	20	52	.
12	6	8	8	.	.	2	20	48	.
12	6	8	8	.	.	2	20	48	.
12	6	8	8	.	.	2	20	48	.
12	6	8	8	.	.	2	20	48	.
12	6	8	8	.	.	2	20	48	.
SUBTOTAL			170	40	138	107	412	1398	138
ANNA QUARRY ROAD TOTAL			337	40	279	172	844	2844	319

*Note: Tie bars were included for patches under 20' in length to tie into existing curb.

MODEL: Schedule-01 [Sheet]
FILE NAME: c:\p\work\illinois.gov\zachary.hughey\1097841-SHE-Schedules.dgn

	USER NAME = Zachary.Hughey	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE	F.A. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			*	D9 CM PATCH 2024-2	UNION	7	6
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -						CONTRACT NO. 78A41	
	PLOT DATE = 2/7/2024	DATE -	REVISED -		SCALE:	SHEET	OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

PATCHING US 51-146 SB LEFT TURN LANE

Width	Length	Area	Class B Patches, TY IV, 11"	Tie Bars 3/4"	Dowel Bars 1 1/2"	Saw Cuts	Welded Wire
(FEET)	(FEET)	(SQ YD)	(SQ YD)	(EACH)	(EACH)	(FOOT)	(SQ YD)
12	115	154	154	39	20	266	154
6	69	46	46	23	8	156	46
US 51 TOTAL			200	62	28	422	200

*Note: Tie bars were included for patches under 20' in length to tie into existing curb.

PAVEMENT MARKING SCHEDULE

LOCATION	PAINT PAVEMENT MARKING					SHORT TERM PAVEMENT MARKING
	LINE - 4"			LINE - 24"	LETTERS AND SYMBOLS	LINE - 4"
	WHITE SOLID	SKIP DASH	SOLID YELLOW	WHITE SOLID		
	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT
CHOATE MENTAL HEALTH ROAD	2200	265		39		100
US 51 SOUTHBOUND LEFT TURN LANE	294		294	12	42	
Total	2494	265	294	51	42	100

MODEL: Schedule-2 (Sheet)
FILE NAME: c:\p\work\view\illinois.gov\0929951\0978441-SHE-Schedules.dgn

USER NAME = Zachary.Hughey	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					*	D9 CM PATCH 2024-2	UNION	7	7
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -			SCALE:	SHEET	OF 7	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
PLOT DATE = 4/26/2024	DATE -	REVISED -									