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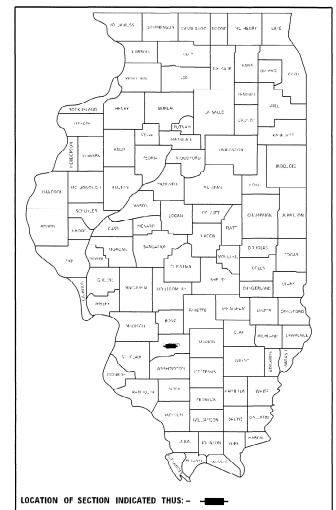
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

D-98-014-22



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

OLD US 50 (FROM BEGINNING OF PROJECT TO CARTER ST.)

2022 ADT = 5950 (ESTIMATED)

SU = 3.1% MU = 3.8%

OLD US 50 (FROM CARTER ST. TO END OF PROJECT)

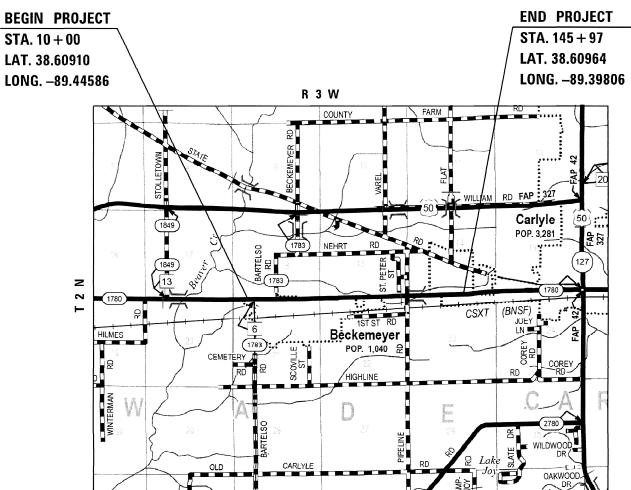
2022 ADT = 4750 (ESTIMATED)

SU = 4.7% MU = 3.6%

PROPOSED HIGHWAY PLANS

FAS ROUTE 1780 (OLD US 50)
SECTION 24RS-5
PROJECT STP-ALCI(077)
SMART OVERLAY
CLINTON COUNTY

C-98-043-22



GROSS LENGTH = 13597.00 FT. = 2.575 MILE NET LENGTH = 13597.00 FT. = 2.575 MILE **NOT TO SCALE**

0 100 200 300 — 1 = 100 0 10' 20' 30' — 1"= 10' 0 50' 100' — 1"= 50' 0 50' 100' — 1"= 40' 0 50' — 100' — 1"= 30'

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: BILLIE OWEN (618) 346-3325
PROJECT MANAGER: PHILLIP FREIMUTH (618) 346-3194

CONTRACT NO. 76P38

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 6 SCHEDULE OF QUANTITIES
- 7 8 SURVEY MONUMENTS
- 9 LOCATION MAP
- 10 MISCELLANEOUS DETAILS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
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 \geq 45 MPH
701311 - 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

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

AMEREN ILLINOIS
AT&T ILLINOIS
VILLAGE OF BECKEMEYER
CHARTER COMMUNICATIONS, INC.
CLEARWAVE COMMUNICATIONS
CLINTON COUNTY ELECTRIC COOPERATIVE, INC.
METRO
NATURAL GAS PIPELINE COMPANY OF AMERICA

- 2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM.
- 3. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED WITHIN THE CITY LIMITS OF BECKEMEYER. 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 MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- 5. TWO CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED 1 WEEK PRIOR TO ANY LANE CLOSURES. THE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ALONG OLD US 50 AT THE DIRECTION OF THE ENGINEER.
- 6. 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.
- 7. ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL."
- 8. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

MIXTURE REQUIREMENTS											
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT											
LOCATION:		OLD US 50									
MIXTURE USE(S):	SURFACE										
AC/PG	PG 64-22										
RAP % (MAX)	SEE SPECIAL PROVISION										
DESIGN AIR VOIDS:	4.0% @ NDES = 70										
MIX COMPOSITION (GRADATION)	IL 9.5										
FRICTION AGGREGATE	MIXTURE "D"										
QUALITY MGMT PROGRAM	QCP										

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN

COMMITMENTS

SCALE:

NONE

USER NAME = smithma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

INDEX OF SHEETS, HIGHWAY STANDARDS,	F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GENERAL NOTES AND COMMITMENTS	1780	24RS-5	CLINTON	10	2
GENERAL NOTES AND COMMITMENTS			CONTRACT	NO. 76	5P38
SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		$\overline{}$

20% STATE ROADWAY 0005 CODE TOTAL ITEM UNIT QUANTITY RURAL 40600290 BITUMINOUS MATERIALS (TACK COAT) **POUND** 16996 16996 40600990 TEMPORARY RAMP SQ YD 28 28 40604062 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 TON 3173 3173 44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" 37770 37770 SQ YD 44200050 WELDED WIRE REINFORCEMENT SQ YD 173 173 44201019 CLASS B PATCHES, TYPE II, 14 INCH 14 14 SQ YD 44201023 CLASS B PATCHES, TYPE III, 14 INCH 110 110 SQ YD 44201025 CLASS B PATCHES, TYPE IV, 14 INCH SQ YD 63 63 44201297 DOWEL BARS 1" **EACH** 176 176 44213200 SAW CUTS FOOT 464 464 44213204 TIE BARS 3/4" EACH 8 8 387 387 48102100 AGGREGATE WEDGE SHOULDER, TYPE B TON 67100100 MOBILIZATION L SUM 1 70100450 TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 L SUM 1

					80% FED
Г				ı	20% STATE ROADWAY
	CODE			TOTAL	0005
	NO.	ITEM	UNIT	QUANTITY	RURAL
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
	70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
	70102020	THAT TO CONTINUE AND THOTECTION, STANDARD 701301	2 3014	1	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
3	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2919	2919
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	487	487
	70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	32390	32390
-	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	32390	32390
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	170	170
55-	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	170	170
,	V702000E	TEMPODADY DAVEMENT MARKING REMOVAL	SO ET	12406	12406
,	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	13496	13496
-2	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	13597	13597
- 4	Z0034105	MATERIAL TRANSFER DEVICE	TON	3173	3173
	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4	4

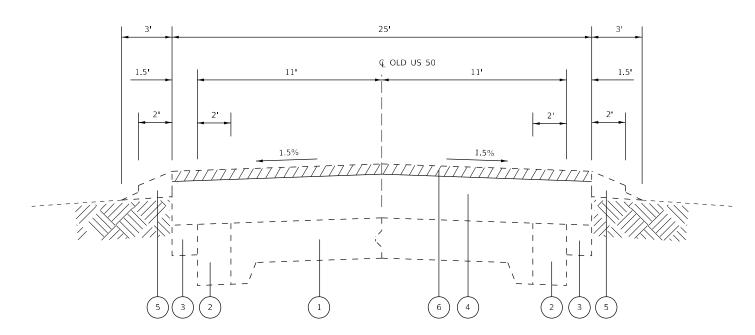
CONSTR. CODE

* SPECIALTY ITEM

USER NAME = smithma	DESIGNED -	REVISED -				SHMMI	ARV NE	QUANTITIES	1	F.A.S.	SECTION		COUNTY	TOTAL	. SHEE	:T
	DRAWN -	REVISED -	STATE OF ILLINOIS			GOIVIIVIA	1111 01	COANTITIE	•	1780	24RS-5		CLINTON	10	3	_
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION										CONTRACT	NO. 7	76P38	_
PLOT DATE = 6/15/2021	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLING	DIS FED. A	D PROJECT			_

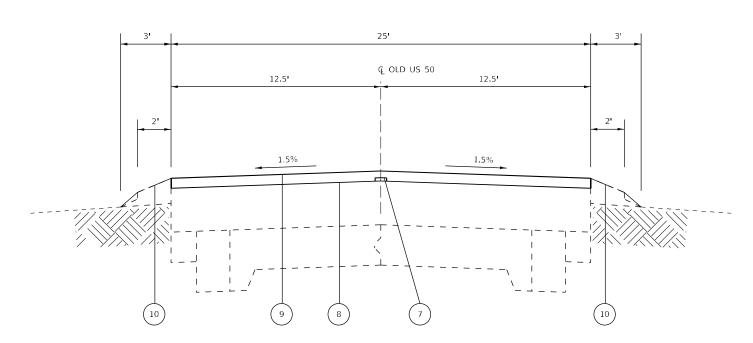
CONSTR. CODE

80% FED



EXISTING TYPICAL SECTION

STA. 10+00 TO STA. 145+97



PROPOSED TYPICAL SECTION

STA. 10+00 TO STA. 145+97

LEGEND

- (1) EXISTING PCC PAVEMENT (9"-6"-9")
- (2) EXISTING PCC WIDENING
- (3) EXISTING BIT WIDENING
- 4 EXISTING BIT RESURFACING (8"±)
- 5 EXISTING AGG WEDGE SHLD, TYPE B
- (6) PROPOSED HMA SURFACE REMOVAL, 1 ½"
- (7) PROPOSED HMA LONGITUDINAL JOINT SEALANT
- (8) PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- (9) PROPOSED HMA SURFACE COURSE, MIX D, N70, 1 $\frac{1}{2}$ "
- PROPOSED AGG WEDGE SHLD, TYPE B

USER NAME = smithma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
BLOT DATE - 6/11/2021	DATE	DEVICED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

oom dat.illinois gov:PWIDOT\Documents\IDOT Offices\District 8\Projects\D8

FILE NAME: pw:\\planroom.dot.illino

	PAVEMENT MARKING SCHEDULE												
					ASTIC & TE MENT MARK		TEMPORARY	MPORARY SHORT TERM		RAISED	RAISED REFLECTIVE		
LOCATION		NO PASSING ZONE	5" YELLOW	5" YELLOW	5" WHITE	PAVEMENT MARK I NG	TERM PAVEMENT MARKING	PAVEMENT MARK I NG	REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKERS			
		23112	SK I P DASH	1 5() 11)		REMOVAL	(2 LIFTS)	REMOVAL	REMOVAL	(TWO-WAY AMBER)			
STATION	TO	STATION	RT/LT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT	EACH	EACH		
OLI) US	50											
10+00	TO	69+29		1482		11321	5335	1078	180				
69+29		75+05	NPZ RT	144	576	1152	780	209	35				
75+05		79+70		116		930	436	85	14				
79+70		85+87	NPZ LT	154	617	1234	836	224	37				
85+87		93+79		198		1584	743	144	24	170	170		
93+79		100+34	NPZ RT	164	655	1310	887	238	40				
100+34		103+88		89		708	332	64	11				
103+88		110+00	NPZ LT	153	612	1224	829	223	37				
110+00		145+97		899		7068	3320	654	109				
	S	UBTOTAL		3399	2460	26531	13496	2919	487	170	170		
		TOTAL			32390		13496	2919	487	170	170		

TEMPORARY RAMP SCHEDULE							
LC	TEMPORARY RAMP						
STATION	SQ YD						
OL	D US 50						
10+00	BEGIN PROJECT	14					
145+97	END PROJECT	14					
	TOTAL	28					

USER NAME = smithma	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 6/15/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		•	SCHE	DUL	E OF C	UANTITIE	S	F.A.S. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
				1780	24R	S-5		CLINTON	10	5				
									CONTRACT	NO. 76	5P38			
	SHEET	1	OF	2	SHEET	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		

				CL	ASS B I	PATCHIN	G SCHEDULE				
				CLASS E	B PATCHES,	14 INCH		DOWEL BARS	TIE BARS	WELDED WIRE	
S	STATION	LENGTH WIDTH		TY-II TY-III T		TY - IV	SAW CUTS	1 "	3 / 4 "	REINFORCEMENT	
		FOOT	FOOT FOOT SQ YD S		SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD	
		JOINT W OF CARTER ST									
EB	22+41	12.00	12.50		16.7		50	20		16.7	
EB	22+53	15.00	12.50		20.8		53	20		20.8	
EB	34+78	15.00	12.50		20.8		53	20		20.8	
EB	42+29	15.00	12.50		20.8		53	20		20.8	
EB	56+62	21.00	12.50			29.2	59	20	7	29.2	
		JOINT E OF F	PIPELINE RD								
WB	125+46	9.00	12.50	12.5			47	20			
WB	117+89	20.00	12.50			27.8	58	20		27.8	
WB	114+67	15.00	12.50		20.8		53	20		20.8	
		CUD. TOTAL		12.5	100.0	56.9	422	160	7	156.9	
		SUB-TOTAL	1.00/	1.3	10.0	5.7	42.2	16	1	15.7	
	ANTICIPATED FAILURES 10% ROUNDED TOTAL				110	63	464	176	8	173	

 USER NAME
 = smithma
 DESIGNED
 REVISED

 DRAWN
 REVISED

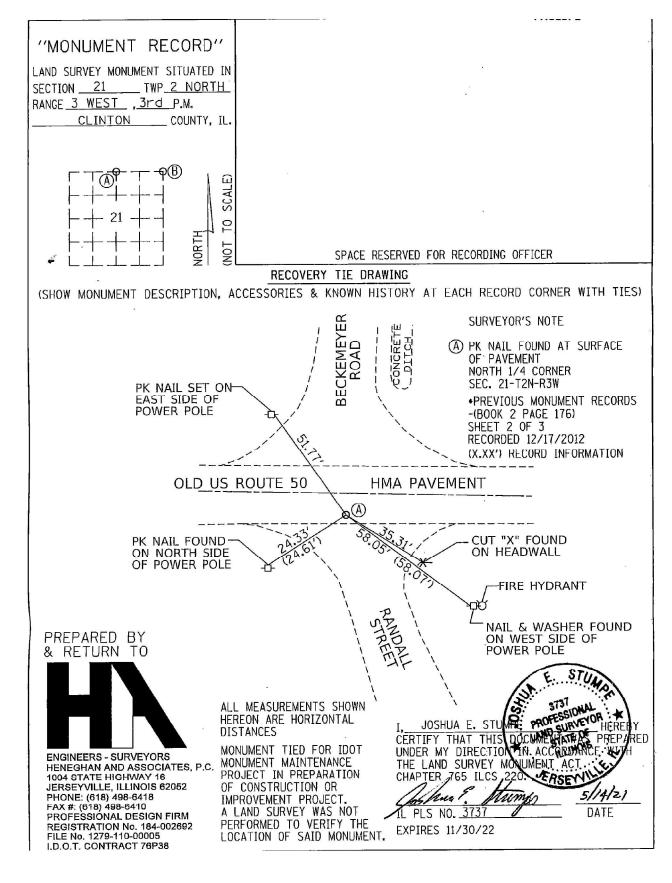
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 CHECKED
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 PLOT DATE
 = 6/11/2021
 DATE
 REVISED

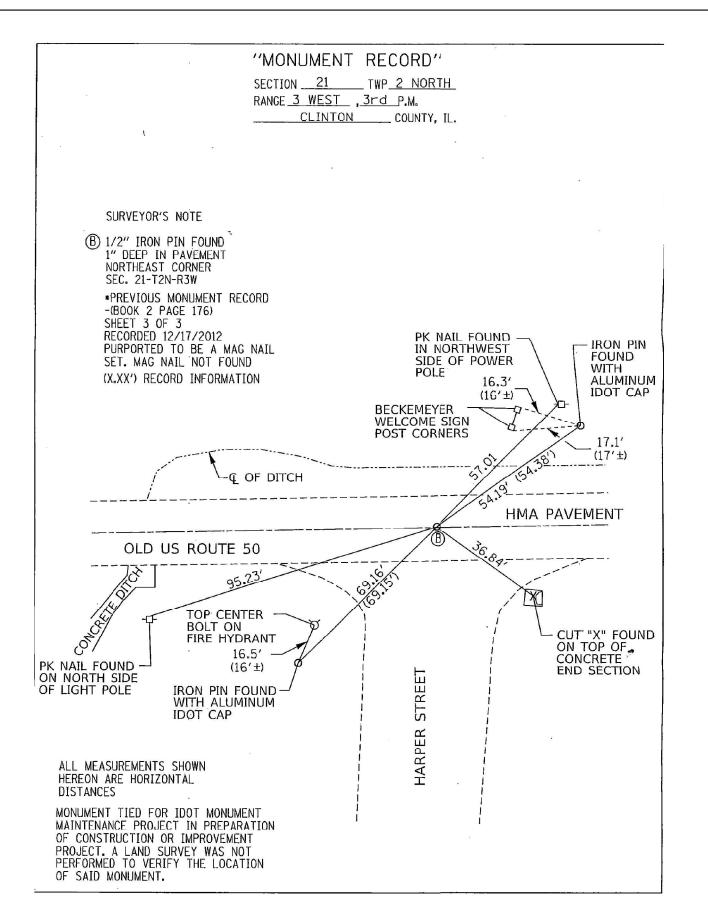
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

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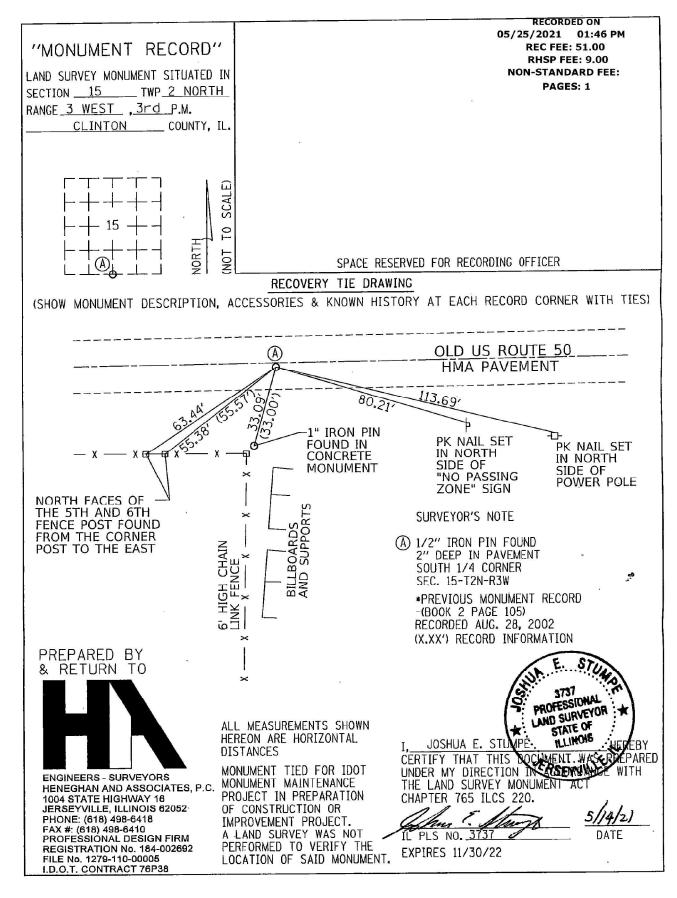


SURVEY MARKER 1

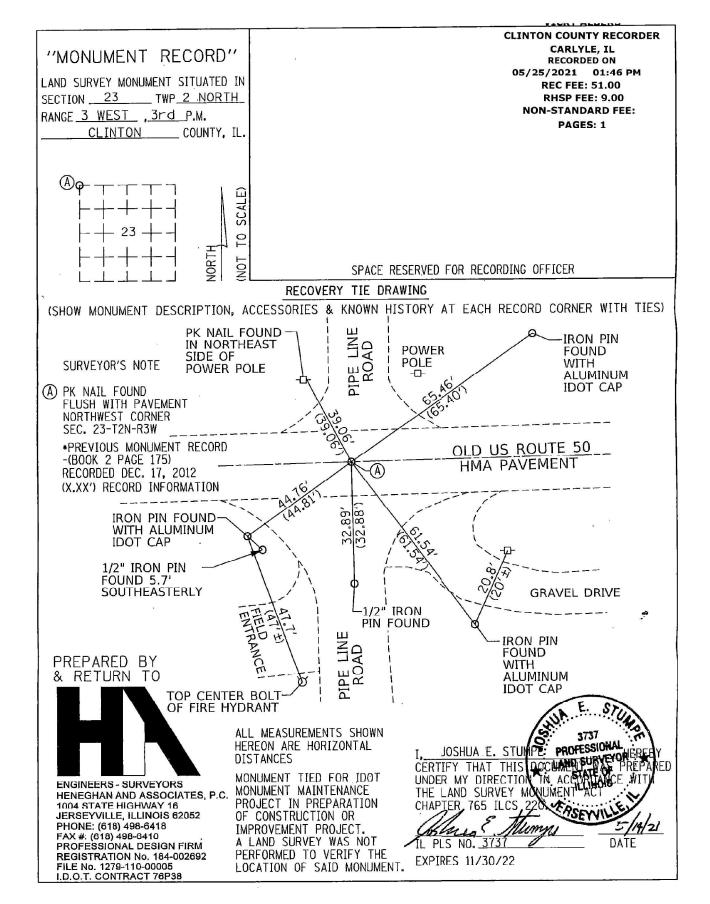


SURVEY MARKER 2

USER NAME = smithma	DESIGNED -	REVISED -		SURVEY MONUMENTS						F.A.S.	SECTION	COUNTY	TOTAL	SHEET	
	DRAWN -	REVISED -	STATE OF ILLINOIS							1780	24RS-5	CLINTON	10	7	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPOR	RTATION									CONTRACT	NO. 70	P38
PLOT DATE = 6/11/2021	DATE -	REVISED -		SCALE: NTS	SHEET 1	OF 2	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT			

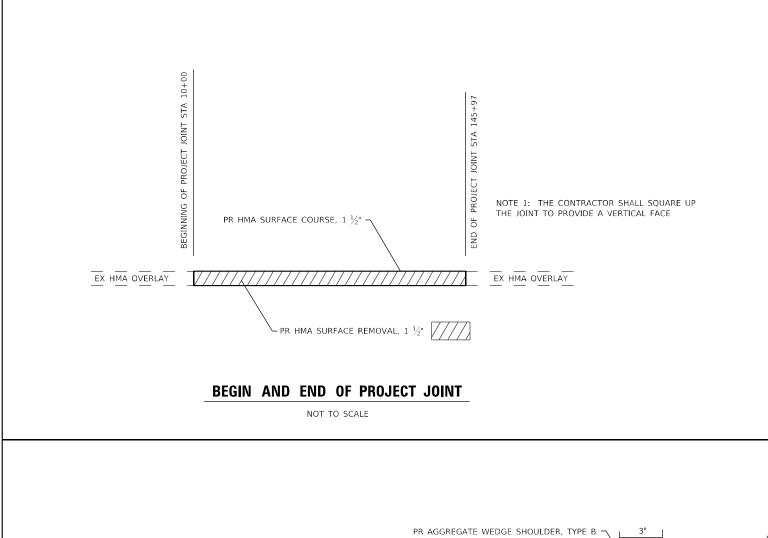


SURVEY MARKER 3



SURVEY MARKER 4

USER NAME = smithma	DESIGNED -	REVISED -	·		SURVEY MONUMENTS						F.A.S.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	SOUTH MONOWENTS						1780	24RS-5	CLINTON	10	8	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	L									CONTRACT	NO. 70	P38
PLOT DATE = 6/11/2021	DATE -	REVISED -			SCALE: NTS	SHEET 2	OF 2	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



DESIGNED -

CHECKED

DRAWN

DATE

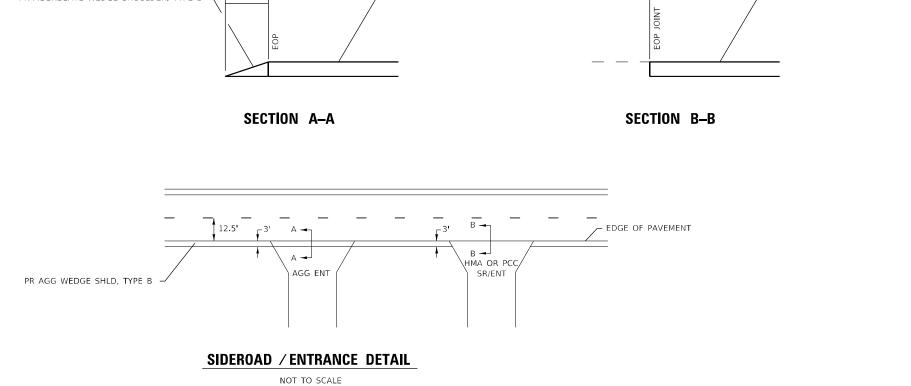
LOT SCALE = 100.0000 / in.

PLOT DATE = 6/11/2021

REVISED

REVISED

REVISED



SCALE: NTS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

- PR HMA SURFACE COURSE, 1 $\frac{1}{2}$ "

- PR HMA SURFACE COURSE, 1 $\frac{1}{2}$ "

MISCELLANEOUS DETAILS

SHEET 1 OF 1 SHEETS STA.

SECTION

24RS-5

CLINTON 10 10

CONTRACT NO. 76P38