03-10-2023 LETTING ITEM 108

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PLANS FOR PROPOSED SURFACE TRANSPORTATION/RURAL PROGRAM

LOGAN COUNTY CH 1 (FAS 562)/1600 AVENUE SECTION 18-00108-01-RS PROJECT NO. CU9J(103) JOB NO. C-96-094-21

INDEX OF SHEETS

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- COVER SHEET
- GENERAL NOTES, LEGEND, PAVEMENT DESIGN INFORMATION, SUMMARY OF QUANTITIES
- TYPICAL SECTIONS
- SCHEDULE OF QUANTITIES
- COUNTY HIGHWAY 1 ROADWAY PLANS
- DETAILS

REQUIRED STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) 701008-05

FROM PAVEMENT EDGE

LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 2 45 MPH 701201-05

LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS 701301-04

LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS DAY ONLY, 701306-04

FOR SPEEDS > 45MPH

LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY 701311-03

701901-08

TRAFFIC CONTROL DEVICES

TYPICAL PAVEMENT MARKINGS 780001-05

GAS & ELECTRIC AMEREN ILLINDIS SPRINGFIELD, IL 62701

MENARD ELECTRIC COOP 14300 STATE HIGHWAY 97 PETERSBURG, IL 62675

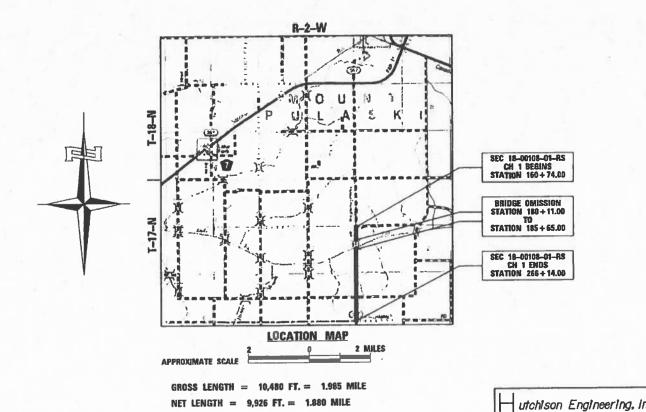
FRONTIER COMMUNICATIONS 300 W. BEECHER AVE. JACKSONVILLE, IL 62651

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

FILE

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

CONTRACT NO. 93797



LOCATION OF SECTION INDICATED THUS: - -DESCRIPTION OF WORK THIS PROJECT CONSISTS OF BITUMINOUS

562

18-00108-01-RS

LOGAN 9 1

CONTRACT NO. 93797

RESURFACING TO IMPROVE COUNTY HIGHWAY 1 INCLUDING PAVEMENT MARKING.

CH 1 ENDS ATION 266+14.00		APPROVED COUNTY ENGINEER	they are
	014/22 0. 2016	PASSED LOVE MEET	30 22
	OE2-04-200 MECISTERED PROPESSIONAL PROPESSIO	Releasing for Sid Based on Limited Borlow Money Co.	50 10 22
utchison Engineering, Inc.	E) 30-2023	DEPUTY DIRECTOR OF MICHWAYS, REGION	
Jacksonville - Moline - Peoria - Shorewood Since 1945 2022 JOB *4824	ENGINEER'S SEAL	STATE OF ILLINOIS DEPARTMENT OF TRANSPO	

GENERAL NOTES

- I. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE
 OF THE COUNTY AND THE INDICATED ADJUSTMENTS OR RECONSTRUCTION ARE CONSIDERED TO BE
 REASONABLY ACCURATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF
 UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL
 INDEMNIFY THE COUNTY, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO
 CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN
 ARTICLE 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,
- THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123
 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC
 UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.
- 4. WHENEVER IT IS NECESSARY TO REMOVE BITUMINOUS AGGREGATE MIXTURE, OIL AND CHIP SURFACE, EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.
- 5. WHEN DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT PAVING.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS IMPROVEMENT.
- 7. TRAFFIC CONTROL SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY. THESE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS', LATEST EDITION.
- 8. THE NOMINAL THICKNESS FOR THE SURFACE COURSE IS SHOWN ON THE SPECIAL DETAIL. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PER CENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- 9. WHERE SECTION OR SUBSECTION STONES OR MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 10. ALL PROPOSED PAVEMENT WIDTHS ARE MEASURED EDGE TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS. INTERSECTION RETURN RADII ARE MEASURED TO THE EDGE OF PAVEMENT.
- KNOWN UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE: AMEREN ILLINOIS FRONTIER COMMUNICATIONS MENARD ELECTRIC COOP

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	HMA SURFACE	HMA BINDER
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ N50	4% @ N50
MIXTURE COMPOSITION:	IL-9.5	IL-9.5 FG
FRICTION AGGREGATE:	MIXTURE C	N/A
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA

FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BINDER COURSE HOT-MIX ASPHALT SURFACE COURSE AGGREGATE (SURFACE, BASE, & BACKFILL) BITUMINOUS MATERIALS:

MINOUS MATERIALS:
PRIME COAT FOR AGREGATE BASES 0.25 L
TACK COAT FOR HMA LIFTS 0.025

RIP RAP TEMPORARY EROSION CONTROL SEEDING MULCH 0.25 LB/SF 0.025 LB/SF 1.5 TON/CU YD 100 LB/ACRE 2 TON/ACRE

112 LB/SQ YD/IN

112 LB/SQ YD/IN

2.05 TON/CU YD

i .	l		: :	
CODE			TOTAL	0005
NO.	ITEM	UNIT	QUANTITY	RURAL
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	39	39
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18184	18184
40600370	LONGITUDINAL JOINT SEALANT	FOOT	9986	9986
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	640	640
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	2576	2576
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	2277	2277
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	15	15
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	456	456
67100100	MOBILIZATION	L SUM	1	1

CONSTR. CODE

ROADWAY

5280

2640

500

23742

500

FOOT

SQ FT

Hour

FOOT

HOUR

L SUM

5280

2640

23742

A SPECIALTY ITEMS

TRAINEES

SHORT TERM PAVEMENT MARKING

PAINT PAVEMENT MARKING - LINE 4"

SHORT TERM PAVEMENT MARKING REMOVAL

TRAINEES TRAINING PROGRAM GRADUATE

TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

* SPECIAL PROVISION

井 0042

70300100

70300150

井 Z0076600

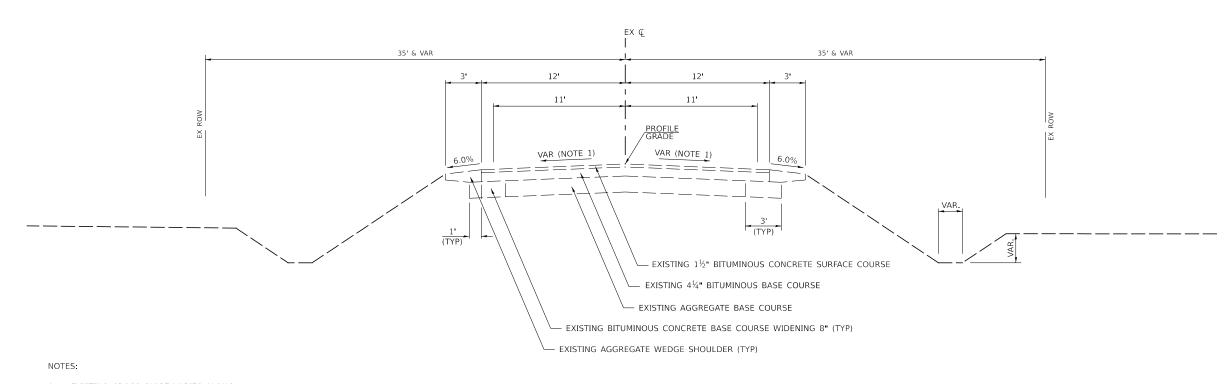
78001110

Z0076604

LEGEND



USER NAME = LZeller	DESIGNED -	REVISED -		GENERAL NOTES, PAVEMENT DESIGN INFORMATION.	F.A.S.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	LOGAN COUNTY	GENERAL NOTES, PAVEMENT DESIGN INFORMATION,	RIE.			15MEETS NO.
PLOT SCALE = 0.1667 '/in.	CHECKED -	REVISED -	HIGHWAY DEPARTMENT	SUMMARY OF QUANTITIES	562	18-00108-01-RS	LOGAN	9 1 2 3
			MIGHAMI DELANIMENT	the contraction of the contracti	L		CONTRACT	T NO. 93797
PLOT DATE = 10/14/2022	DATE -	REVISED -		SCALE: N/A SHEET 1 OF 1 SHEETS' STA, N/A TO STA, N/A		1LUNOIS FED.	. AID PROJECT	

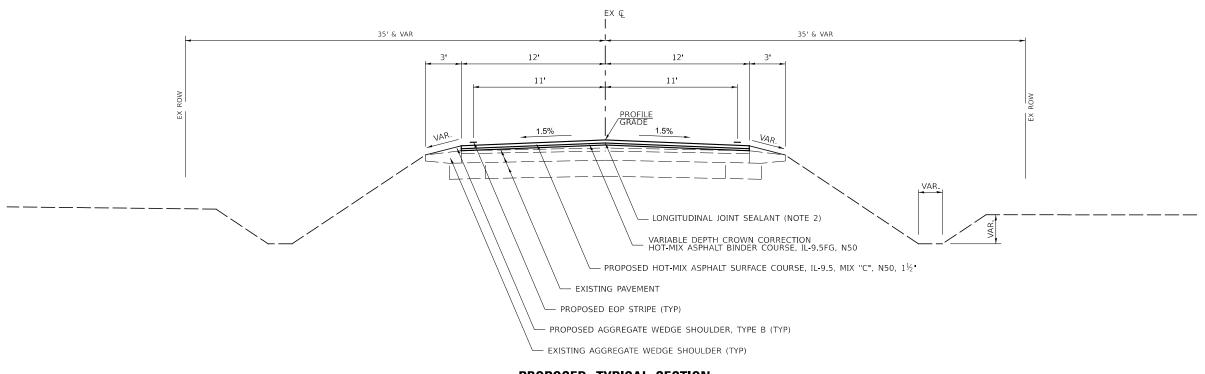


- 1. EXISTING CROSS SLOPE VARIES ALONG PROJECT LIMITS FROM 0.2% TO 1.9%.
- 2. LONGITUDINAL JOINT SEALANT TO BE PLACED BETWEEN HOT-MIX ASPHALT SURFACE AND BINDER COURSES.

EXISTING TYPICAL SECTION

COUNTY HIGHWAY 1 (1600 AVENUE)

STA 160+74 TO STA 180+11 STA 185+65 TO STA 266+14



PROPOSED TYPICAL SECTION COUNTY HIGHWAY 1 (1600 AVENUE)

STA 160+74 TO STA 180+11 STA 185+65 TO STA 266+14

USER NAME = BDeCraene	DESIGNED -	REVISED -			COUNTY HIGHWAY 1 (1600 AVENUE)	F.A.S.	SECTION	COUNTY TOTAL SHE	.ET
	DRAWN -	REVISED -	LOGAN COUNTY		TYPICAL SECTIONS	562	18-00108-01-RS	LOGAN 9 3	,
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -	HIGHWAY DEPARTMENT		TYPICAL SECTIONS			CONTRACT NO. 93797	
PLOT DATE = 10/13/2022	DATE -	REVISED -		SCALE: N/A	SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. A	ID PROJECT	\neg

			P	AVEMENT			
L	OCATIO	on .	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5FG, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE WEDGE SHOULDER, TYPE B	LONGITUDINAL JOINT SEALANT
STATION	TO	STATION	POUND	TON	TON	TON	FOOT
COUNTY HIGH	WAY 1						
160+74.00	TO	180+11.00	3488	422	434	88	1937
185+65.00	TO	266+14.00	14489	2154	1803	368	8049
		TOTA	L 17977	2576	2237	456	9986

)	P	AVEMENT I	MARKING	
				PAVEMENT RKING
0717011			4"	4"
STATION	ТО	STATION	SOLID	SKIP DASH
			WHITE	YELLOW
			EOP	CENTERLINE
			F	ООТ
COUNTY HIGH	WAY '			
160+74.00	TO	266+14.00	21102	2640
		SUB-TOTAL	21102	2640
		USE	2	3742

SHOP		ERM PAV	EMENT
			SKIP DASH
STATION	то	STATION	YELLOW
SIATION	10	SIATION	CENTERLINE
			FOOT
COUNTY HIG	HWAY	11	
160+74	TO	266+14	2640
	2 AP	PLICATIONS	5280
		TOTAL	5280

НМА	SUR	FACE REM	DVAL
LC	CATIC	ON	BUTT JOINT
STATION +/-	ТО	STATION +/-	SQ YD
COUNTY HIGH	VAY 1		
160+74	TO	161+34	160
179+51	TO	180+11	160
185+65	TO	186+25	160
265+54	ТО	266+14	160
		TOTAL	640

	RM PAVE	
		YELLOW
		SQ FT
160+74	 ′ 1 266+14	2640
	TOTAL	2640

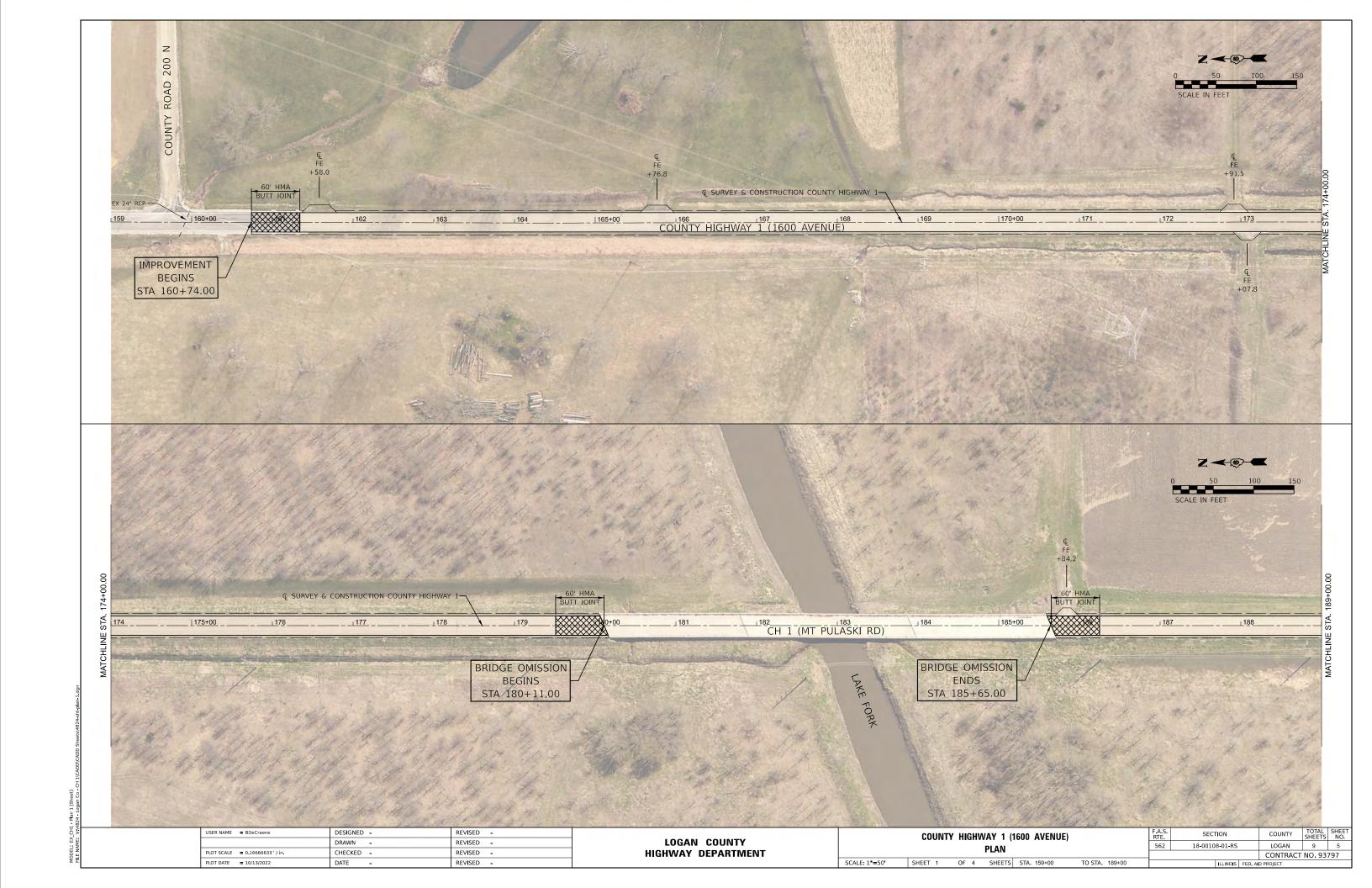
			ENTR	ANCES		
LOCATION			AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	INCIDENTAL HOT-MIX ASPHALT SURFACING
STATION	SIDE	TYPE	TON	POUND	TON	TON
COUNTY HIGH	WAY 1					
161+58	LT	FE	3			
165+77	LT.	FE	3			
172+92	LT	FE	3			
173+08	RT	FE	2			
185+84	LT	FE	2			
198+59	RT	FE	2			
200+94	LT	PE		20		5
202+94	RT	PE	N 120 C	17		5
212+36	LT	FE	3			
212+36	RT	FE	3			
225+55	RT	FE	3	_		
225+90	LT	FE	3			
238+84	RT	ROAD		58	15	
238+85	LT	ROAD	1	37	10	
250+94	RT	PE	3			
251+58	LT	FE	3			
252+15	RT	PE		17		5
253+80	LT	FE	3			
254+35	RT	FE	3		1 11	
265+39	LT	ROAD		58	15	
265+52	RT	FE	3	_ = =		
		TOTAL	39	207	40	15

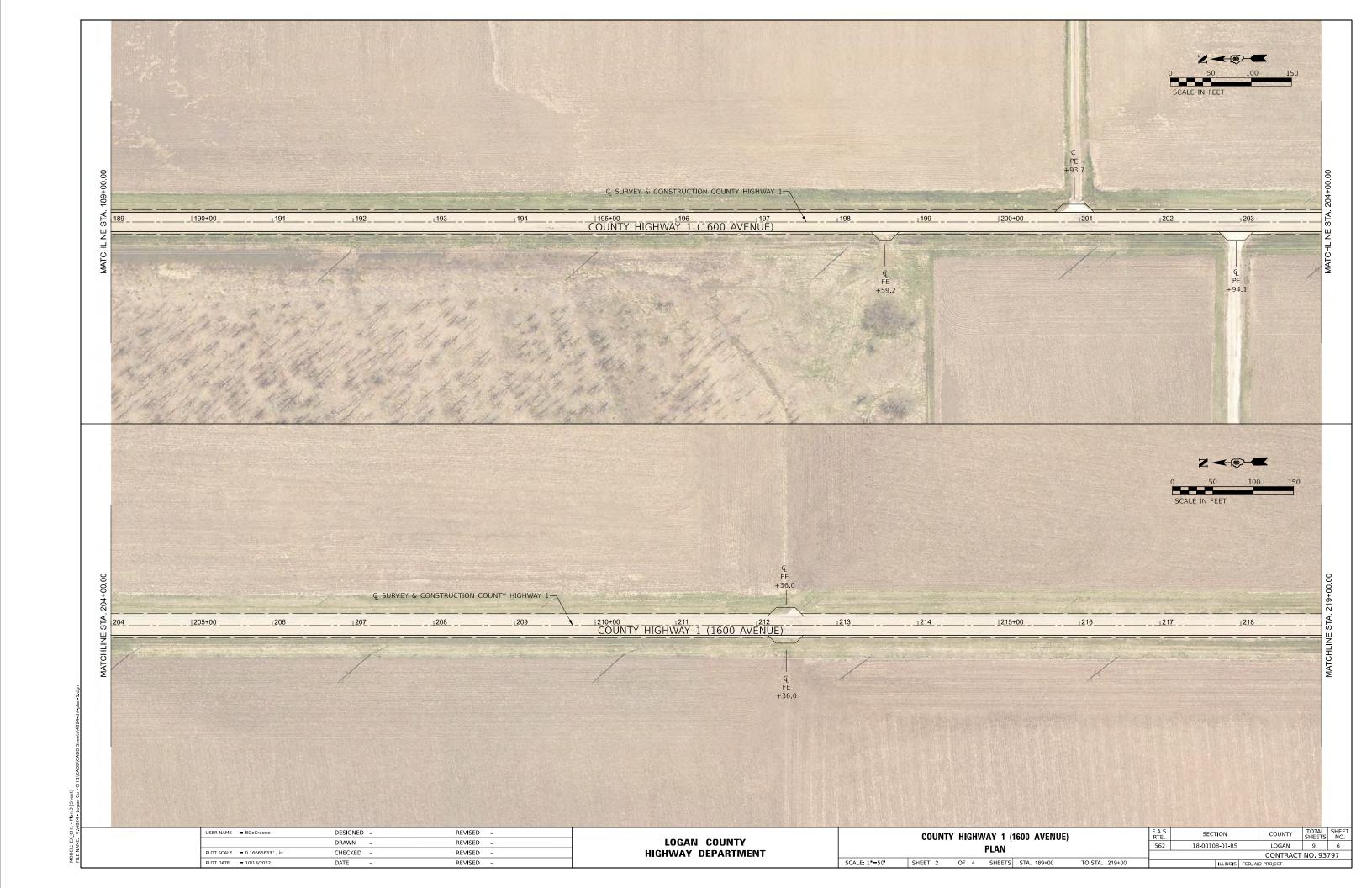
USER NAME = BDeCraene	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2022	DATE -	REVISED -

LOGAN	COUNTY
HIGHWAY	DEPARTMENT

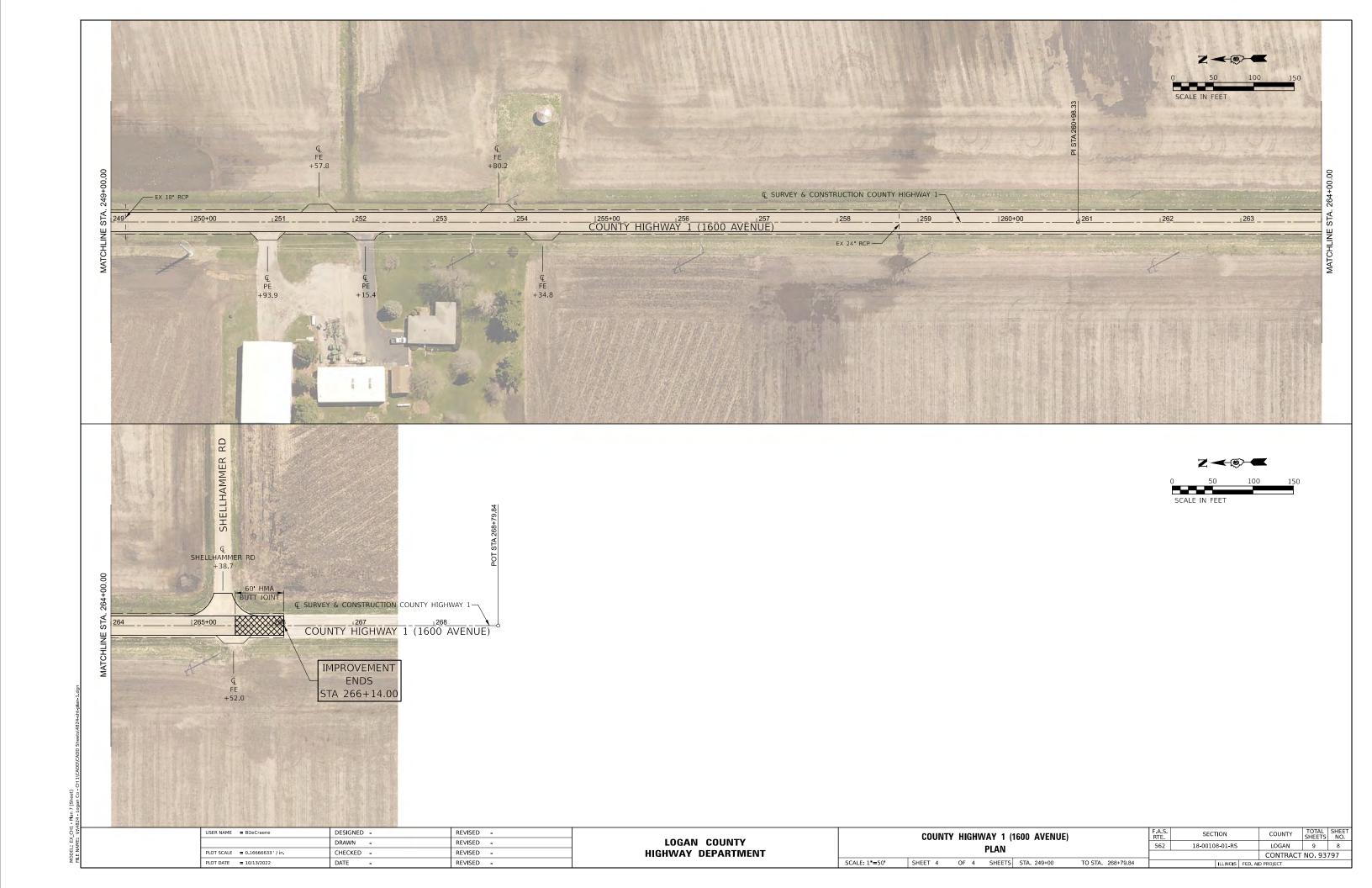
SCALE: N/A

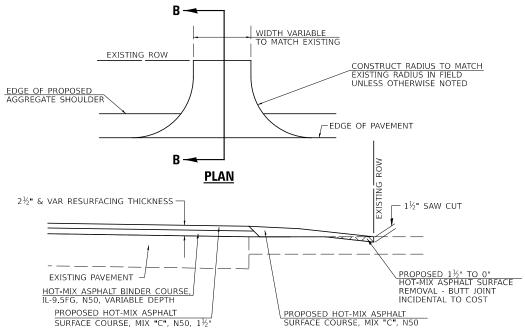
COUNTY HIGHWAY 1 (1600 AVENUE) SCHEDULE OF QUANTITIES						F.A.S. RTE. 562	SECTION 18-00108-01-RS	COUNTY LOGAN CONTRACT	TOTAL SHEETS 9	SHEET NO. 4
	SHEET 1	OF 1	SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT				, , ,







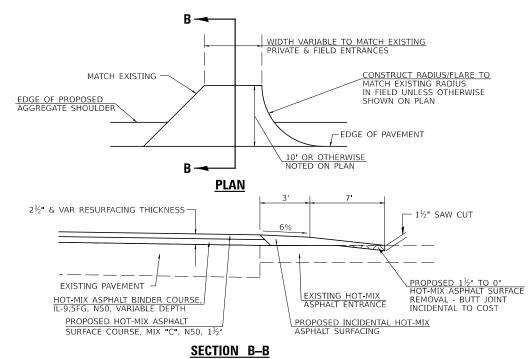




SECTION B-B

HOT MIX-ASPHALT SIDE ROAD TAPERS

STATION SIDE		ROAD		
CH 1				
238+84	RT	050 ST		
238+85	LT	050 ST		
265+39	LT	SHELLHAMMER RD		

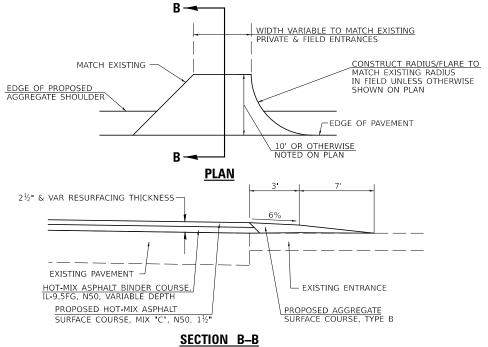


HOT MIX-ASPHALT ENTRANCE TAPERS

STATION	SIDE	TYPE		
CH 1				
200+94	LT	PE		
202+94	RT	PE		
252+15	RT	PE		

MATCH EX MATCH EX PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1½" HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50, VARIABLE DEPTH SAW CUTS (INCLUDED IN COST OF HMA SURF REM - BUTT JOINT)

BEGINNING / ENDING TRANSITION DETAIL



AGGREGATE ENTRANCE TAPERS

SIDE	TYPE
LT	FE
LT	FE
LT	FE
RT	FE
LT	FE
RT	FE
LT	FE
RT	FE
RT	FE
LT	FE
RT	PE
LT	FE
LT	FE
RT	FE
RT	FE
	LT LT RT

USER NAME = BDeCraene	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2022	DATE -	REVISED -

LOGAN	COUNTY
HIGHWAY	DEPARTMENT

SCALE: N/A

COUNTY HIGHWAY 1 (1600 AVENUE)					F.A.S. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
ENTRANCE AND SIDE ROAD DETAILS				562	18-00108-01-RS		LOGAN	9	9	
							CONTRACT	NO. 93	797	
SHEET 1	OF	1	SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT				