

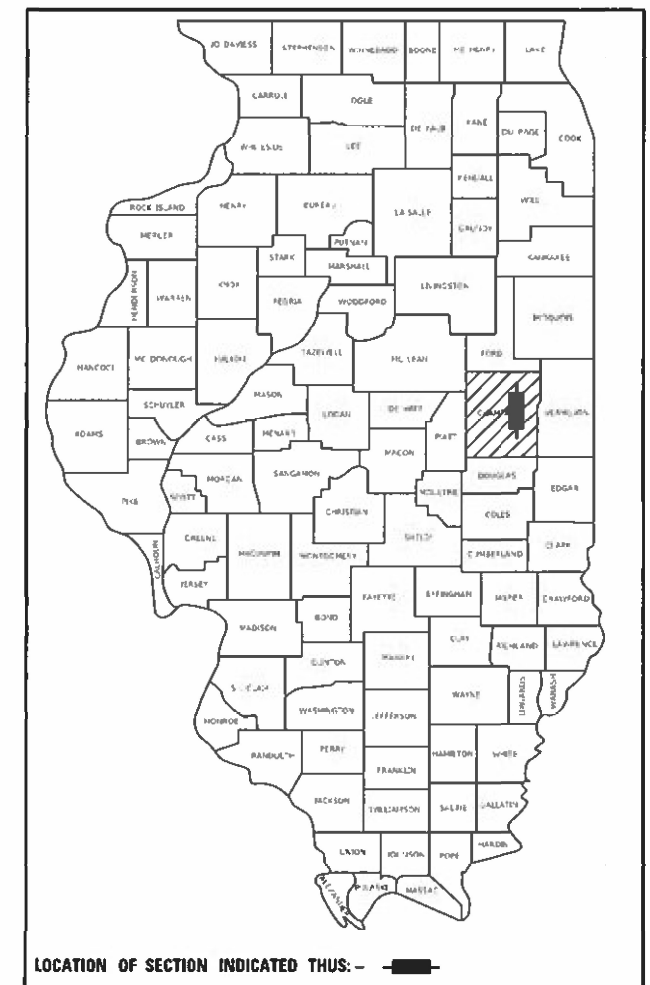
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 4 TO 9

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	1
		ILLINOIS	CONTRACT NO. 70B04	

P-95-030-20



LOCATION OF SECTION INDICATED THUS: —

TRAFFIC DATA

FAS RTE. 516 / (ST JOSEPH RD)

	LEG "A"	LEG "B"	LEG "C"	LEG "D"	LEG "E"
2021 ADT =	900	1,300	2,900	4,200	5,700
PV % =	93.40%	94.60%	92.80%	94.90%	95.70%
SU % =	4.40%	2.30%	5.10%	3.00%	3.10%
MU % =	2.20%	3.10%	2.10%	2.10%	1.20%

TRAFFIC DATA LOCATIONS

LEG "A" = FAS 502 TO TR 159 (1850N)
LEG "B" = TR 159 (1850) TO TR 181A (1700N)
LEG "C" = TR 181A (1700N) TO I-74 WB RAMPS
LEG "D" = I-74 WB RAMPS TO I-74 EB RAMPS
LEG "E" = I-74 EB RAMPS TO GRAND AVE IN ST. JOSEPH

FUNCTIONAL CLASSIFICATION

MAJOR COLLECTOR

STRUCTURE INFORMATION

OMISSIONS FROM PAVING

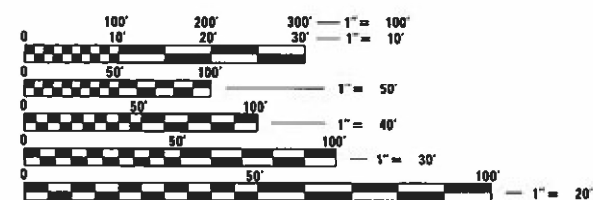
S.N. 010-0221 (E-E DECK)
S.N. 010-0220 (E-E APPROACH SLAB)
S.N. 010-0089 (E-E APPROACH SLAB)

RAISE APPROACH SLAB

S.N. 010-0220

HMA OVERLAY 2.25" (STRINGLINE)

S.N. 010-2028



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 TOWNSHIPS
OR 811 ST JOSEPH AND STANTON

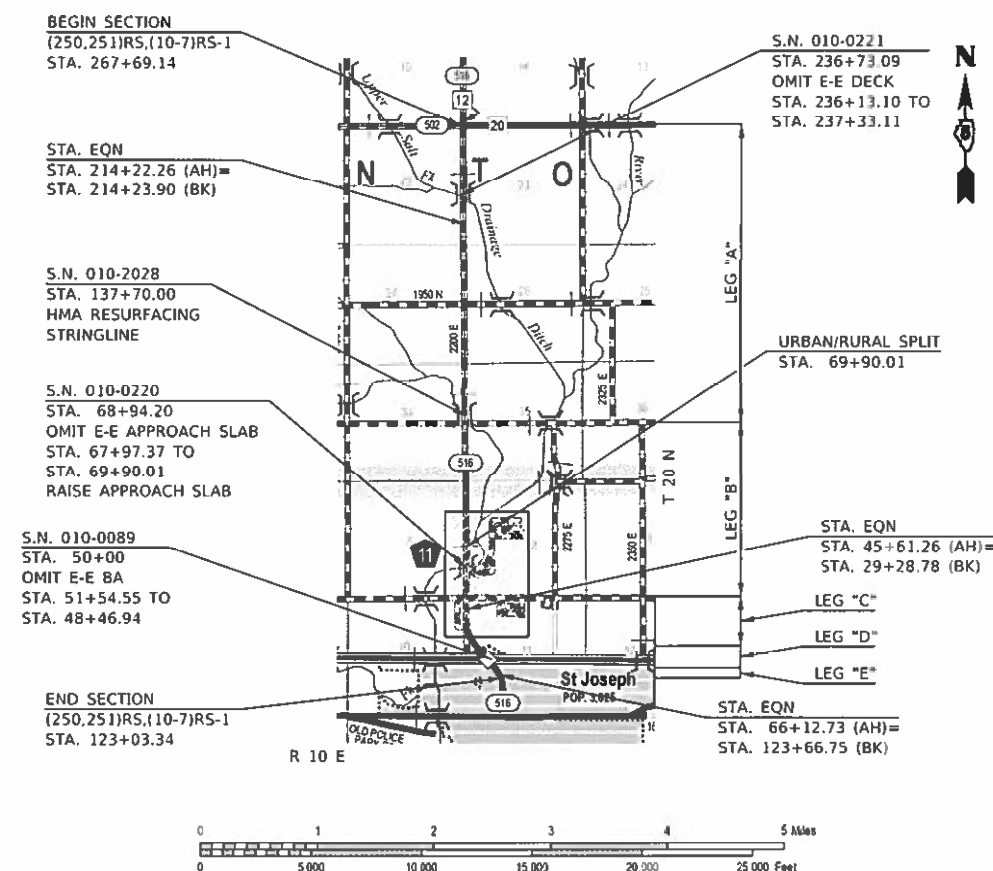
PROJECT ENGINEER: RYAN T. CARROLL
DESIGNER: TYLER J. PIERSON
PHONE: (217)-465-4181
CONTRACT NO. 70B04

PROPOSED HIGHWAY PLANS

FAS ROUTE 516 (ST JOSEPH RD)
SECTION (250,251)RS,(10-7)RS-1
PROJECT STP-LZES(263)
3P RESURFACING – DESIGNED OVERLAY
CHAMPAIGN COUNTY

C-95-046-20

ROYAL RD TO E GRAND AVE IN ST JOSEPH



GROSS LENGTH = 25,956.88 FT. = 4.916 MILE
NET LENGTH = 25,336.62 FT. = 4.799 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 11/27/22
Kamil A. Barnett
REGIONAL ENGINEER
March 25, 2022
Stephen M. Lewis
ENGINEER OF DESIGN AND ENVIRONMENT
March 25, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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SHEET NO.

LIST OF STANDARDS

STANDARD NO.

DESCRIPTION

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
606101-05	TYPE A GUTTER (INLET, OUTLET, AND ENTRANCE)
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT
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 > 45
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT

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	USER NAME = PiersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, LIST OF STANDARDS, AND COMMITMENTS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVIS	ED -					516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	2
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED +					CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED +		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

GENERAL NOTES

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-403

BITUMINOUS SURFACE TREATMENTS: GRADATION CA-14 (MID SPEC.) IS ASSUMED FOR COVER COATS AND GRADATION CA-16 (MID-SPEC.) IS ASSUMED FOR SEAL COATS. THE AGGREGATE SHALL BE EITHER CRUSHED GRAVEL OR CARBONATE CRUSHED STONE AND SHALL BE CLASS C QUALITY OR BETTER. THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
TACK COAT (HARD SURFACE) *	Art. 406.02	0.1 GAL/SQ YD	FA-1 OR FA-2	3 LB/SQ YD
PRIME COAT (AGGREGATE SURFACE) *	MC-30 or PEP	0.25 GAL/SQ YD	FA-1 OR FA-2	4 LB/SQ YD
A-1	HFP/CRSP	0.35 GAL/SQ YD	CA-16	19 LB/SQ YD
A-2 (COVER COAT)	HFP/CRSP	0.32 GAL/SQ YD	CA-14	25 LB/SQ YD
A-2 (SEAL COAT)	HFP/CRSP	0.4 GAL/SQ YD	CA-16	19 LB/SQ YD
A-3 (1ST COVER COAT)	HFP/CRSP	0.32 GAL/SQ YD	CA-14	25 LB/SQ YD
A-3 (2ND COVER COAT)	HFP/CRSP	0.45 GAL/SQ YD	CA-14	25 LB/SQ YD
A-3 (SEAL COAT)	HFP/CRSP	0.35 GAL/SQ YD	CA-16	19 LB/SQ YD

* TO BE USED WITH A1, A2 AND A3 SEAL COATS

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

G.N. -406H

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	St. Joe. Rd	St. Joe. Rd	St. Joe. Rd	St. Joe. Rd
Mixture Use	Binder mainline & Shoulder	Surface	HMA Shoulders surface (top 1 1/2")	Class D and P.D. Patch
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 19.0	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	N.A.	Mix D	Mix C	N.A.
Mixture Weight	112	112	112	112
Quality Management Program	QC/QA	QC/QA	QC/QA	QC/QA
Sublot Size	N.A.	N.A.	N.A.	N.A.
Material Transfer Device (Required ?)	NO	NO	NO	NO

Open Graded Cold Mixture shall be produced according to Special Provision requirements.

G.N.- 703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.- 781
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

IF THE CONTRACTOR ELECTS TO USE AN MTD, THE FOLLOWING REQUIREMENTS WILL APPLY.

BASED ON OUR STRUCTURAL ANALYSIS, THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:

010-0089 (40 TONS)
010-0220 (40 TONS)
010-0221 (40 TONS)
010-2028 (40 TONS)

IF THE SAME MTD IS USED THRCUGHOUT THE ENTIRE CONTRACT, THEN IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT ≤ 40 TONS.

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	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	3
	PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -					CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAS 516 (ST JOSEPH RD)
MAJOR COLLECTOR
URBAN
123+03.34
69+90.01
CHAMPAIGN
80% FED / 20% STATE
0005

FAS 516 (ST JOSEPH RD)
MAJOR COLLECTOR
RURAL
69+90.01
267+69.14
CHAMPAIGN
80% FED / 20% STATE
0005

FUNDING BREAKOUT:
CONSTRUCTION TYPE CODE:

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY	ROADWAY QUANTITY
	20400800	FURNISHED EXCAVATION	CU YD	60.00		60.00
	25100125	MULCH, METHOD 3	ACRE	3.50	0.50	3.00
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,400.00	200.00	1,200.00
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	46,281.00	11,374.00	34,907.00
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	4,471.00	4,471.00	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,722.00	105.00	1,617.00
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	210.00	99.00	111.00
	40600990	TEMPORARY RAMP	SQ YD	1,081.00	509.00	572.00
	40603080	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50	TON	1,606.00	1,606.00	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50	TON	1,072.00	1,072.00	
	40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,028.00	948.00	1,080.00
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	470.00	216.00	254.00
	44000100	PAVEMENT REMOVAL	SQ YD	66.00		66.00
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	53,774.00	2,889.00	50,885.00
* DENOTES SPECIALTY ITEM						

SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAS 516 (ST JOSEPH RD) MAJOR COLLECTOR URBAN 123+03.34 69+90.01 CHAMPAIGN	FAS 516 (ST JOSEPH RD) MAJOR COLLECTOR RURAL 69+90.01 267+69.14 CHAMPAIGN
FUNDING BREAKOUT:	80% FED / 20% STATE	80% FED / 20% STATE
CONSTRUCTION TYPE CODE:	0005	0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY	ROADWAY QUANTITY
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL , 3"	SQ YD	2,394.00	2,394.00	
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL , 3 3/4"	SQ YD	10,360.00	10,360.00	
	44000400	GUTTER REMOVAL	FOOT	605.00		605.00
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	48.00	24.00	24.00
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	40.00	40.00	
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	8.00		8.00
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	20.00	20.00	
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	40.00		40.00
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	51.00	51.00	
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	16.00	16.00	
	44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	22.00	22.00	
	44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	16.00	16.00	
	44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	282.00	282.00	
	44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	48.00	24.00	24.00
		* DENOTES SPECIALTY ITEM				

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	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	5
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	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 2	OF 6	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAS 516 (ST JOSEPH RD)
MAJOR COLLECTOR
URBAN
123+03.34
69+90.01
CHAMPAIGN
80% FED / 20% STATE
0005

FAS 516 (ST JOSEPH RD)
MAJOR COLLECTOR
RURAL
69+90.01
267+69.14
CHAMPAIGN
80% FED / 20% STATE
0005

FUNDING BREAKOUT:
CONSTRUCTION TYPE CODE:

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY	ROADWAY QUANTITY
	44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	16.00	16.00	
	44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	8.00		8.00
	44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	20.00	20.00	
	44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	40.00		40.00
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	69.00	29.00	40.00
	48203012	HOT-MIX ASPHALT SHOULDERS, 3 3/4"	SQ YD	221.00		221.00
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	115.00	115.00	
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	26.60		26.60
	60602500	CONCRETE GUTTER, TYPE A	FOOT	426.00		426.00
*	63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	413.00		413.00
*	63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	75.00		75.00
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2.00		2.00
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.00		4.00
	63200310	GUARDRAIL REMOVAL	FOOT	650.00		650.00
* DENOTES SPECIALTY ITEM						

USER NAME = PlersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET 3	OF 6	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	6
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

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SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAS 516 (ST JOSEPH RD)
MAJOR COLLECTOR
URBAN
123+03.34
69+90.01
CHAMPAIGN
80% FED / 20% STATE
0005

FAS 516 (ST JOSEPH RD)
MAJOR COLLECTOR
RURAL
69+90.01
267+69.14
CHAMPAIGN
80% FED / 20% STATE
0005

FUNDING BREAKOUT:
CONSTRUCTION TYPE CODE:

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY	ROADWAY QUANTITY
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6.00	1.50	4.50
	67100100	MOBILIZATION	L SUM	1.00	0.25	0.75
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.00	0.25	0.75
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.00	0.25	0.75
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,032.00	2,128.00	5,904.00
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,678.00	710.00	1,968.00
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	94.00	94.00	
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	60,070.00	16,111.00	43,959.00
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	318.00	318.00	
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	352.00	352.00	
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	81.00	65.00	16.00
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.00		4.00
*	72501100	TERMINAL MARKER - POST MOUNTED	EACH	2.00		2.00
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94.00	94.00	
* DENOTES SPECIALTY ITEM						

USER NAME = PlersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET 4	OF 6	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	7
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

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SUMMARY OF QUANTITIES

LOCATION OF WORK:

```

FAS 516 (ST JOSEPH RD)
      MAJOR COLLECTOR
      URBAN
      123+03.34
      69+90.01
      CHAMPAIGN
80% FED / 20% STATE
      0005

```

```

FAS 516 (ST JOSEPH RD)
      MAJOR COLLECTOR
            RURAL
            69+90.01
            267+69.14
            CHAMPAIGN
80% FED / 20% STATE
            0005

```

FUNDING BREAKOUT:
CONSTRUCTION TYPE CODE:

	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY	ROADWAY QUANTITY
*	78000200		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,086.00	4,086.00	
*	78000400		THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	318.00	318.00	
*	78000600		THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	352.00	352.00	
*	78000650		THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	81.00	65.00	16.00
*	78001110		PAINT PAVEMENT MARKING - LINE 4"	FOOT	55,985.00	12,026.00	43,959.00
*	78011000		GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	94.00	94.00	
*	78011025		GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	4,086.00	4,086.00	
*	78011035		GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	318.00	318.00	
*	78011065		GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	352.00	352.00	
*	78011125		GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	81.00	65.00	16.00
*	78100100		RAISED REFLECTIVE PAVEMENT MARKER	EACH	478.00	230.00	248.00
*	78200005		GUARDRAIL REFLECTORS, TYPE A	EACH	12.00		12.00
	78300202		PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	20,791.00	6,106.00	14,685.00
	X0300010		BITUMINOUS MATERIALS (FOG SEAL)	POUND	24,611.00	1,407.00	23,204.00
* DENOTES SPECIALTY ITEM							

* DENOTES SPECIALTY ITEM

FILE NAME: D:\	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	8
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 5	OF 6 SHEETS	STA.	TO STA.				
								ILLINOIS	FED. AID	PROJECT			

SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAS 516 (ST JOSEPH RD) MAJOR COLLECTOR URBAN 123+03.34 69+90.01 CHAMPAIGN	FAS 516 (ST JOSEPH RD) MAJOR COLLECTOR RURAL 69+90.01 267+69.14 CHAMPAIGN
FUNDING BREAKOUT:	80% FED / 20% STATE	80% FED / 20% STATE
CONSTRUCTION TYPE CODE:	0005	0005

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY QUANTITY	ROADWAY QUANTITY
	X0326223	FOAM, EXPANDING POLYURETHANE, HIGH-DENSITY	POUND	2,200.00	2,200.00	
	X1500002	BLOTTER AGGREGATE	TON	411.00	24.00	387.00
	X1500005	BITUMINOUS SURFACE TREATMENT, A2	SQ YD	54,692.00	3,127.00	51,565.00
	X2501020	SEEDING, CLASS 2A (SPECIAL)	ACRE	3.50	0.50	3.00
	X4060205	COLD MIX ASPHALT MIXTURE	TON	7,992.00	458.00	7,542.00
	X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1,665.00	1,665.00	
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	919.00	238.00	681.00
	X4811900	AGGREGATE SHOULDERS (SPECIAL)	TON	1,551.00	206.00	1,345.00
*	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25.00		25.00
*	XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	14.00	6.00	8.00
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1.00	0.25	0.75
	Z0055300	RUMBLE STRIP	EACH	3.00		3.00
* DENOTES SPECIALTY ITEM						

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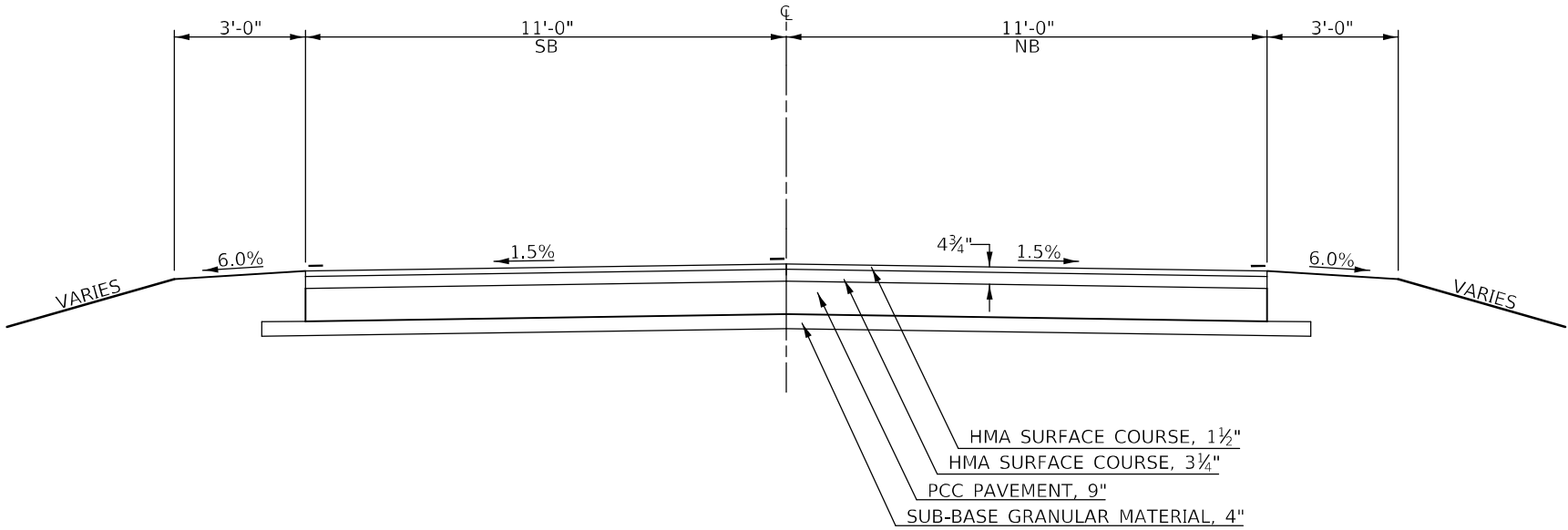
	USER NAME = PiersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -					516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	9
	PLOT DATE = 1/26/2022	CHECKED -	REVISED +		SCALE:	SHEET 6	OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 70B04		
		DATE -	REVISED +							ILLINOIS	FED. AID PROJECT	

MODEL: \\MODEL NAMES
FILE: \\state: \\projects: \\champaign: \\fap516: \\typical: \\cross-sections.dgn

EXISTING TYPICAL CROSS-SECTION ②

STA. 29+28.78 (BK) = STA. 45+61.26 (AH)

STATION (BK) STA. EQN. ⑥ 29+28.78 IO STATION 43+80.00 ③

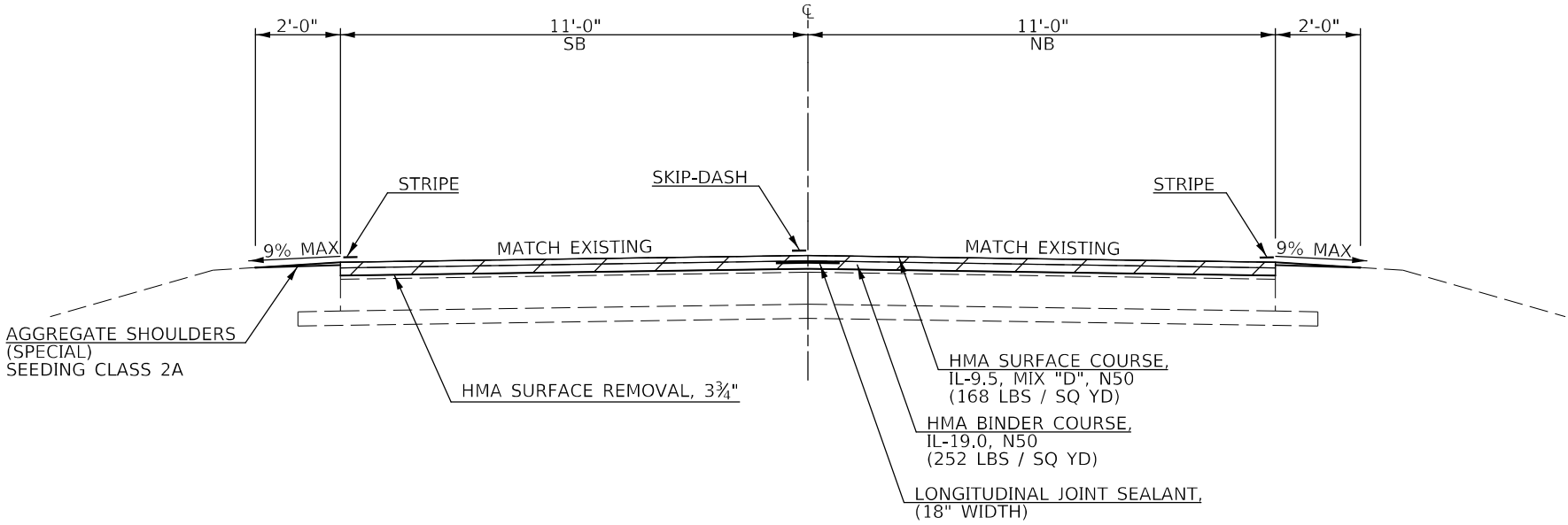


HMA SURFACE REMOVAL, 3 3/4"

PROPOSED TYPICAL CROSS-SECTION ②

STA. 29+28.78 (BK) = STA. 45+61.26 (AH)

STATION (BK) STA. EQN. ⑥ 29+28.78 IO STATION 43+80.00 ③



USER NAME = PiersontJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S. SHEET 2 OF 19 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	11
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

* S.N. 010-0089 OMISSION

Plan view of a bridge deck showing dimensions, elevations, and material layers.

Dimensions:

- Left side: 12'-0" (5'-0" + 7'-0")
- Right side: 12'-0" (7'-0" + 5'-0")
- Center: 11' & VAR. SB, 11' & VAR. NB

Elevations:

- Left side: 4.0%
- Center: 1.5%
- Right side: 1.5%, 3"
- Right side: 4.0%

Material Layers (from top to bottom):

- HMA SURFACE COURSE, 1 1/2"
- HMA LEVELING BINDER, 3/4"
- HMA SURFACE COURSE, 0" to 3/4"
- PCC PAVEMENT, 9"
- SUB-BASE GRANULAR MATERIAL, 4"

Shoulders:

- HMA SHOULDERS, 7"
- HMA SHOULDERS, 9 1/2"

Stationing:

- STA. 44+24.51 TO STA. 45+64.88
- STA. 54+34.11 TO STA. 55+88.16
- STA. 44+08.92 TO STA. 45+73.90
- STA. 54+47.69 TO STA. 56+55.48

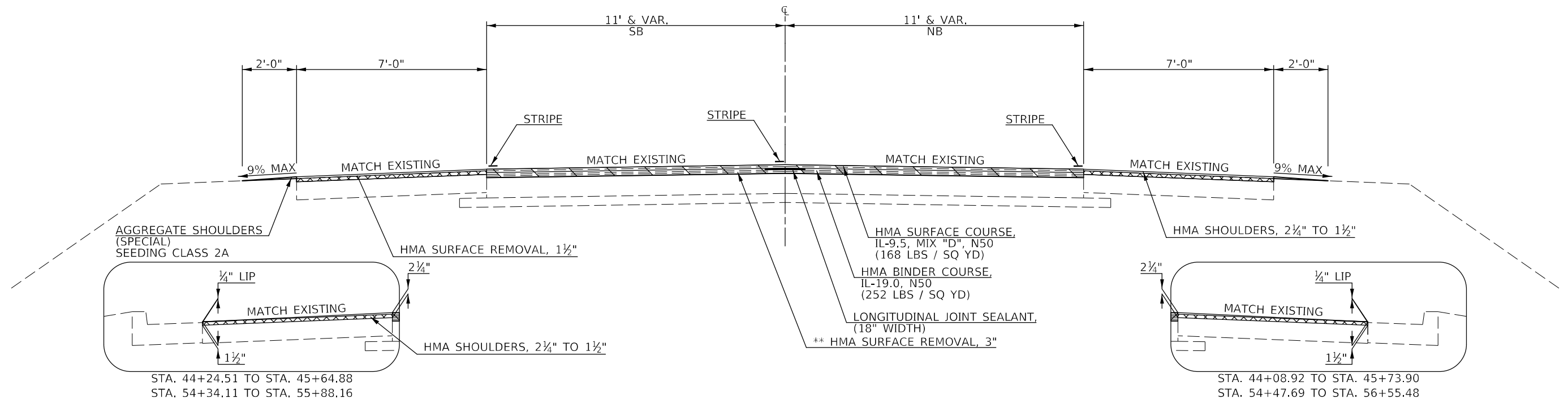
Other Labels:

- VAR.
- COMB. CONC. C&G

* S.N. 010-0089 OMISSION
** HMA SURFACE REMOVAL, 3" IS INTENDED TO
REMOVE TO EXISTING PCC PAVEMENT SURFACE

 ** HMA SURFACE REMOVAL, 3"

 HMA SURFACE REMOVAL, 1½"



SCALE: N.T.S.	SHEET 3	OF 19	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	12
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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* VARIES 12' TO 5' - STA. 58+96.40 TO STA. 62+55.62

The diagram illustrates the cross-section of a bridge deck with the following details:

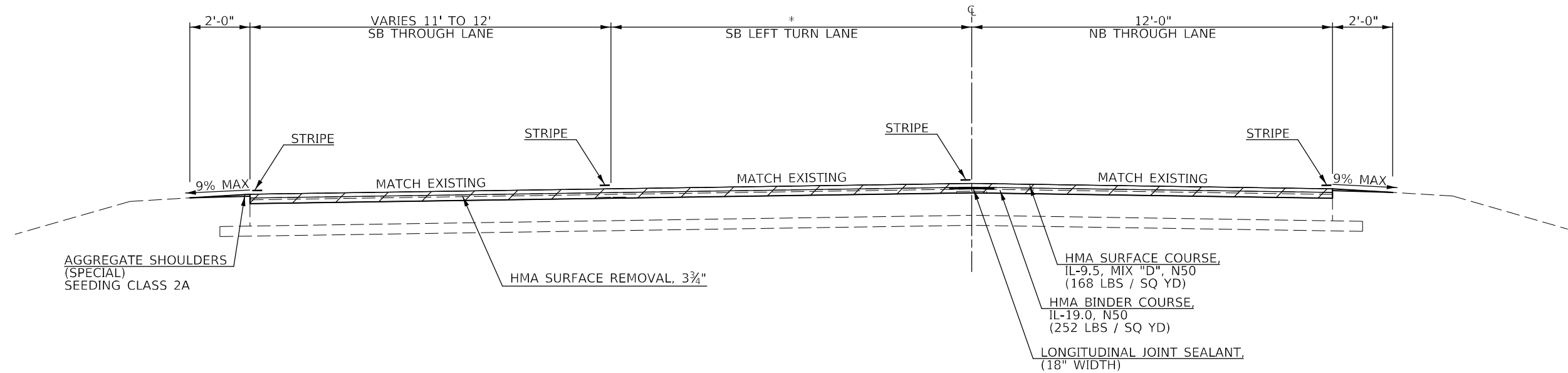
- Lane Widths and Layout:**
 - Left side: 4'-0" shoulder, followed by a lane labeled "VARIES 11' TO 12' SB THROUGH LANE".
 - Center: "SB LEFT TURN LANE" with a centerline marked "C".
 - Right side: "NB THROUGH LANE" (12'-0" wide), followed by a 4'-0" shoulder.
- Elevations and Slopes:**
 - Left shoulder: 6.0% slope.
 - Through lanes: 1.5% slope.
 - Right shoulder: 6.0% slope.
 - Centerline: 3 3/4" elevation.
- Material Layers (from top to bottom):**
 - POLYMERIZED HMA SURFACE COURSE, 1 1/2"
 - POLYMERIZED LEVELING BINDER, 3/4"
 - HMA SURFACE COURSE, 1 1/2"
 - PCC PAVEMENT, 9"
 - SUB-BASE GRANULAR MATERIAL, 4"
- Other Features:**
 - "STRIP REFLECTIVE CRACK CONTROL" is indicated on the left side of the deck.
 - "AGGREGATE WEDGE SHOULDER, TYPE B" is indicated on the right shoulder.
 - "VARIES" is noted at the far left and right edges of the diagram.

* VARIES 12' TO 5' - STA. 58+96.40 TO STA. 62+55.62

*** HMA SURFACE REMOVAL, 3¾" IS INTENDED TO REMOVE 3¾". IF EXSITING HMA THICKNESS IS FOUND TO BE LESS, REMOVE TO EXISTING PCC PAVEMENT SURFACE.



HMA SURFACE REMOVAL, 3 3/4"



USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S.	SHEET 4 OF 19 SHEETS	STA. TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	13
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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④ STATION TO STATION
62+55.62 66+12.73 ① (AH) STA. EQN.

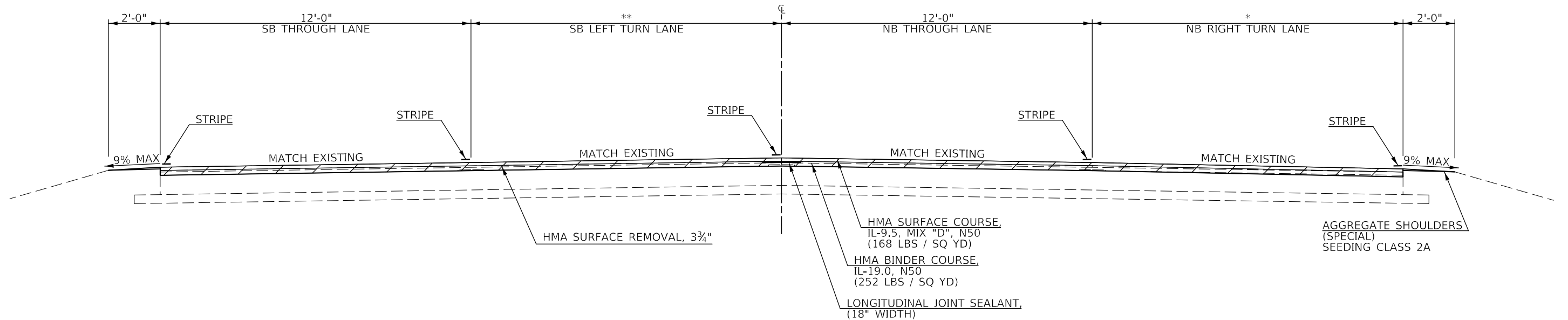
The diagram illustrates the cross-section of a bridge deck with the following details:

- Lane Widths:**
 - SB THROUGH LANE: 12'-0"
 - NB LEFT TURN LANE: 12'-0"
 - NB THROUGH LANE: 12'-0"
 - NB RIGHT TURN LANE: 12'-0"
 - Shoulders: 2'-0" on both sides.
- Elevations and Slopes:**
 - Left shoulder slope: VARIES
 - SB Through Lane: 6.0% slope
 - NB Left Turn Lane: 1.5% slope
 - NB Through Lane: 1.5% slope
 - NB Right Turn Lane: 2.0% slope
 - Right shoulder slope: VARIES
- Material Layers (from top to bottom):**
 - POLYMERIZED HMA SURFACE COURSE, 1 1/2"
 - POLYMERIZED LEVELING BINDER, 3/4"
 - HMA SURFACE COURSE, 1 1/2"
 - PCC PAVEMENT, 9"
 - SUB-BASE GRANULAR MATERIAL, 4"
- Other Features:**
 - STRIP REFLECTIVE CRACK CONTROL
 - POLYMERIZED HMA SURFACE COURSE VARIES 2 1/4" TO 1 1/2"
 - AGGREGATE WEDGE SHOULDER, TYPE B

<u>STATION</u>	<u>TO</u>	<u>STATION</u>	
④ 62+55.62		66+12.73 ①	(AH) STA. EQN.



HMA SURFACE REMOVAL, 3 3/4"



USER NAME = PjersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S.	SHEET 5	OF 19 SHEETS	STA.	TO STA.
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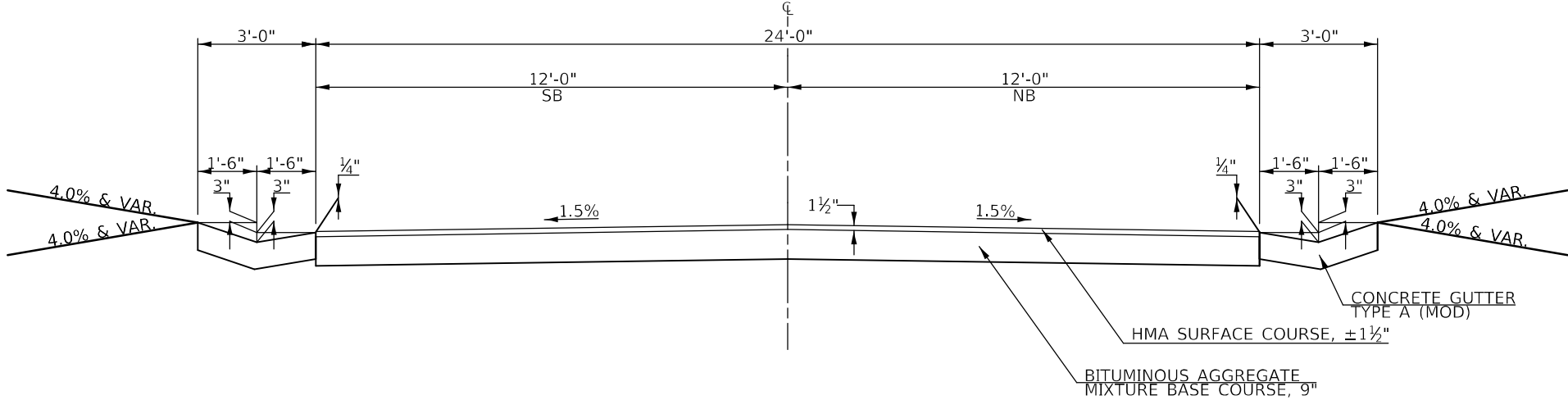
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EXISTING TYPICAL CROSS-SECTION ⑥

STA. 29+28.78 (BK) = STA. 45+61.26 (AH)

(AH) STA. EQN. ② STATION 45+61.26 IO STATION 49+00.00 ⑦

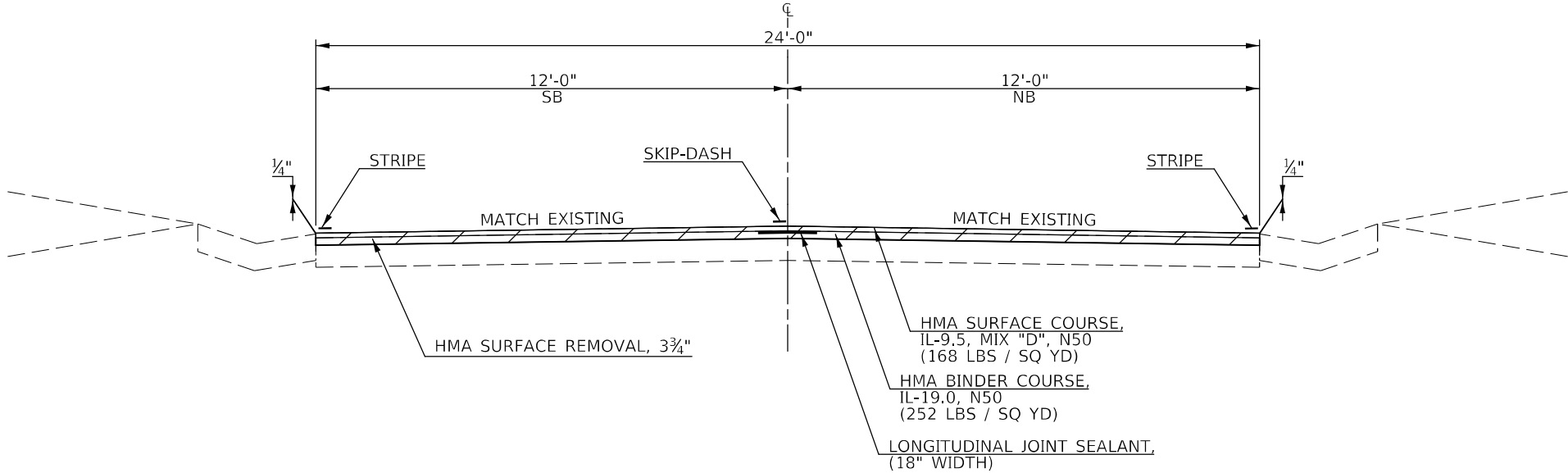


PROPOSED TYPICAL CROSS-SECTION ⑥

STA. 29+28.78 (BK) = STA. 45+61.26 (AH)

(AH) STA. EQN. ② STATION 45+61.26 IO STATION 49+00.00 ⑦

HMA SURFACE REMOVAL, 3 3/4"



USER NAME = Piersontj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

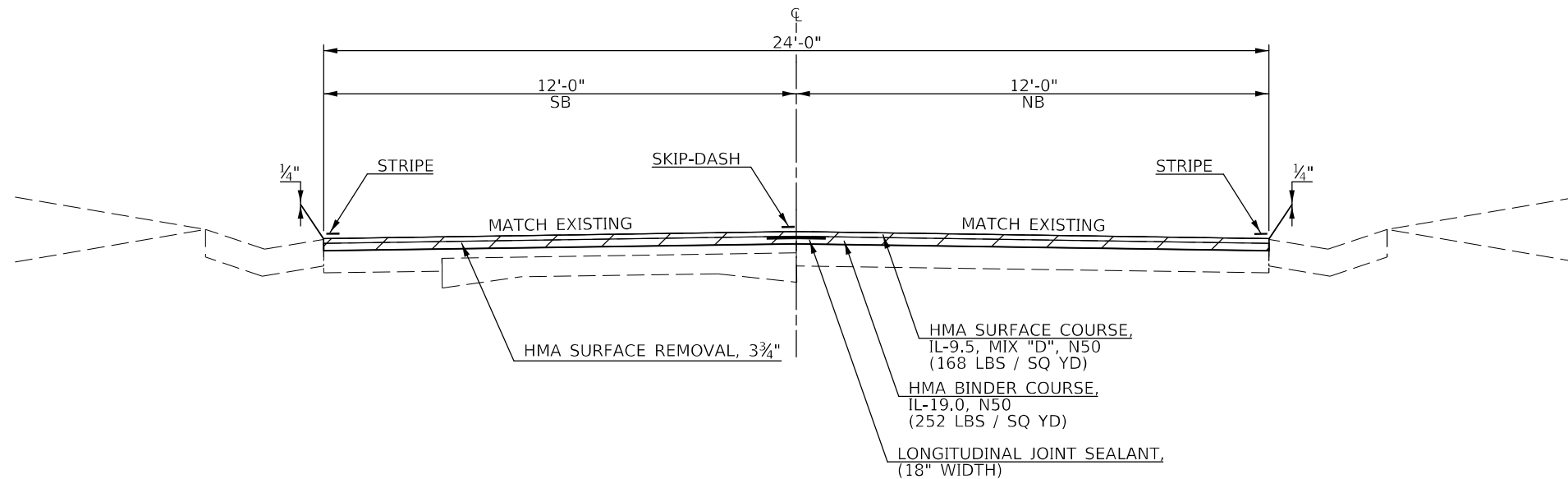
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	15
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

STATION	TO	STATION
⑥ 49+00.00		55+92.00 ⑧



STATION	TO	STATION
⑥ 49+00.00		55+92.00 ⑧



USER NAME = PjersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S.	SHEET 7	OF 19 SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	16
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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<u>STATION</u>	<u>TO</u>	<u>STATION</u>
⑦ 55+92.00		64+00.00 ⑨



<u>STATION</u>	<u>TO</u>	<u>STATION</u>
⑦ 55+92.00		64+00.00 ⑨



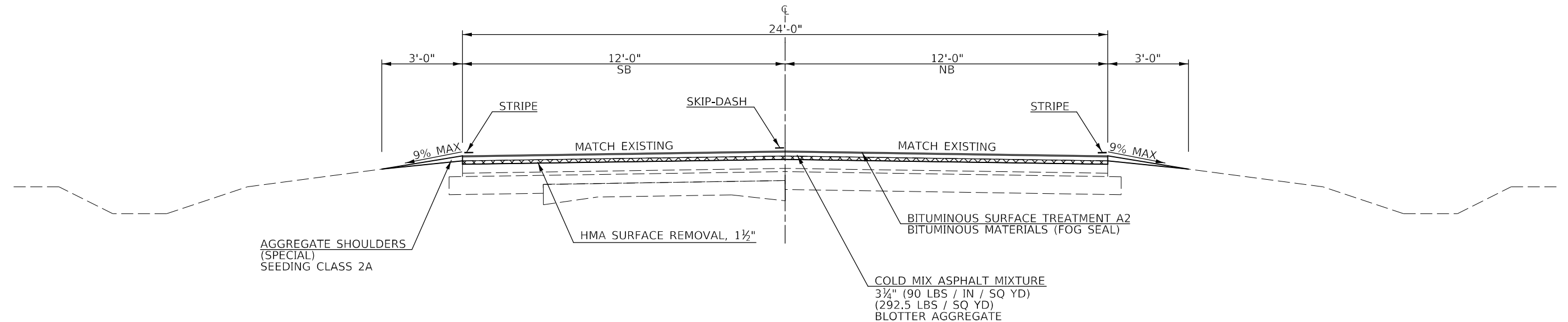
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	17
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

* = S.N. 010-0220 OMISSION
** = STA. 65+50 TO STA. 67+95 AND STA. 69+95 TO STA. 72+50

Diagram illustrating the cross-section of a 24'-0" wide highway with a centerline (CL). The diagram shows the following dimensions and components:

- Overall Width:** 24'-0" (12'-0" SB + 12'-0" NB).
- Lane Widths:** 12'-0" SB (Southbound) and 12'-0" NB (Northbound).
- Shoulder Widths:** 5'-0" on each side of the lanes.
- Pavement Layers (from top to bottom):**
 - HMA SURFACE COURSE, VAR. DEPTH
 - HMA BINDER COURSE, ($\frac{3}{4}$ " TO $7\frac{1}{4}$ ")**
 - HMA SURFACE COURSE, $1\frac{1}{2}$ "
 - BITUMINOUS AGGREGATE MIXTURE BASE COURSE, 4" & VAR.
 - BITUMINOUS AGGREGATE MIXTURE BASE COURSE, 8"
 - PCC PAVEMENT 9-6-9
- Aggregate Shoulders:** Type B, 3'-0" wide on each side.
- Slopes:** 1:2 & VAR. and 1:3 & VAR. on the outer edges.
- Grades:** 6.0% and 1.5% slopes are indicated.
- Centerline:** CL (Centerline) is marked at the 24'-0" width.

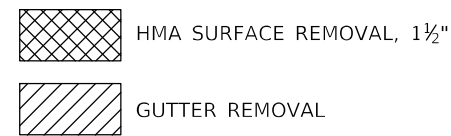
* = S.N. 010-0220 OMISSION

 HMA SURFACE REMOVAL, 1 1/2"

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	18
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

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STATION	TO	STATION
⑨ 74+00.00		103+43.80 ⑪



	STATION	TO	STATION	
⑨	74+00.00		103+43.80	⑪



USER NAME = PiersontJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -							516	(250.251)RS.(10-7)RS-1	CHAMPAIGN	76	19
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -		SCALE: N.T.S. SHEET 10 OF 19 SHEETS STA. TO STA.					CONTRACT NO. 70B04				
PLOT DATE = 1/27/2022	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				

STATION	TO	STATION
⑩ 103+43.80		107+62.20 ⑫



	<u>STATION</u>	<u>TO</u>	<u>STATION</u>	
⑩	103+43.80		107+62.20	⑫



USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S.	SHEET 11	OF 19	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	20
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

STATION	TO	STATION
⑪ 107+62.20		116+02.00 ⑬
⑬ 133+00.00		135+50.00 ⑭
⑬ 228+40.00		234+32.05 ⑱



STATION	TO	STATION
⑪ 107+62.20		116+02.00 ⑬
⑬ 133+00.00		135+50.00 ⑭
⑬ 228+40.00		234+32.05 ⑱



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	21
		CONTRACT NO. 70B04		
		ILLINOIS FED. AID PROJECT		

STA. 214+23.90 (BK) = STA. 214+22.26 (AH)

The diagram illustrates the cross-section of a highway bridge deck. Key dimensions and features include:

- Overall Width:** 24'-0" at the top, with 6'-0" on each side of the central 11'-0" sections.
- Travel Lanes:** 11'-0" SB (Southbound) and 11'-0" NB (Northbound), separated by a 1'-0" median.
- Shoulders:** 6'-0" on each side of the travel lanes, with a 1'-0" inner shoulder and a 5'-0" outer shoulder.
- Grades:** 4.0% on the outer shoulders and 1.5% on the travel lanes.
- Material Layers (from top to bottom):**
 - HMA SURFACE COURSE, $\pm 2\frac{1}{4}"$
 - BITUMINOUS AGGREGATE MIXTURE BASE COURSE, 4" & VAR.
 - BITUMINOUS AGGREGATE MIXTURE BASE COURSE, 8"
 - PCC PAVEMENT 9-6-9
- Other Dimensions:**
 - 2'-0" & VAR. for the outermost shoulder width.
 - 3'-0" for the width of the PCC pavement base.
 - 2'-0" for the width of the HMA surface course.

$$\text{STA. } 214+23.90 \text{ (BK)} = \text{STA. } 214+22.26 \text{ (AH)}$$

Plan view of a 24'-0" wide road section. The section is divided into a 11'-0" Southbound (SB) lane and an 11'-0" Northbound (NB) lane, with 3'-0" shoulders on each side. A centerline is marked at the 12-foot width. The diagram shows existing pavement conditions and proposed treatments:

- Shoulders:** 3'-0" wide on each side, labeled "AGGREGATE SHOULDERS (SPECIAL) SEEDING CLASS 2A".
- Lane Markings:** "STRIPE" and "SKIP-DASH" markings are shown on the existing pavement.
- Pavement Treatments:**
 - SB Lane:** "MATCH EXISTING" and "HMA SURFACE REMOVAL, 1 1/2"
 - NB Lane:** "MATCH EXISTING" and "COLD MIX ASPHALT MIXTURE 3 1/4" (90 LBS / IN / SQ YD) (292.5 LBS / SQ YD) BLOTTER AGGREGATE"
 - Centerline:** "BITUMINOUS SURFACE TREATMENT A2 BITUMINOUS MATERIALS (FOG SEAL)"
- Grades:** 9% MAX grades are indicated on the shoulders.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	22
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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STATION	TO	STATION
⑫ 135+50.00		137+35.38 ⑮



STATION	TO	STATION
⑫ 135+50.00		137+35.38 ⑮



USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S.	SHEET 14	OF 19	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	23
		CONTRACT NO. 70B04		
ILLINOIS EEO-409 PROJECT				

<u>STATION</u>	<u>TO</u>	<u>STATION</u>
⑭ 137+35.38		137+54.19 ⑯
⑯ 137+80.08		137+98.63 ⑰



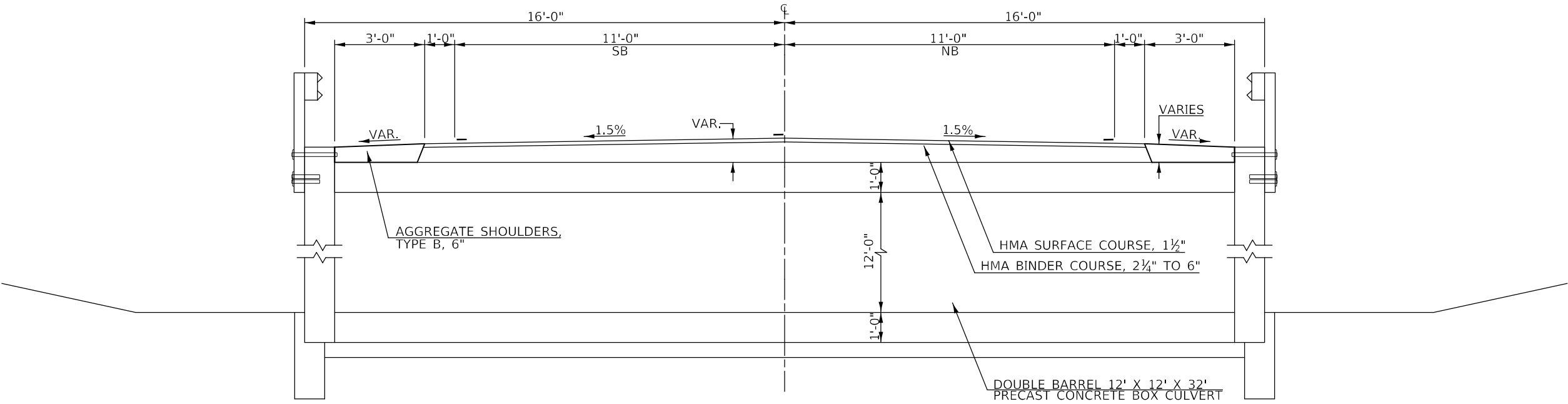
<u>STATION</u>	<u>TO</u>	<u>STATION</u>
⑭ 137+35.38		137+54.19 ⑯
⑯ 137+80.08		137+98.63 ⑰



USER NAME = Piersontj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	24	
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 70B04					
PLOT DATE = 1/27/2022	DATE -	REVISED -								
					SCALE: N.T.S.	SHEET 15 OF 19 SHEETS	STA.	TO STA.		

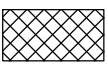
EXISTING TYPICAL CROSS-SECTION 16

S.N. 010-2028
STATION 15 137+54.19 TO STATION 137+80.08 15

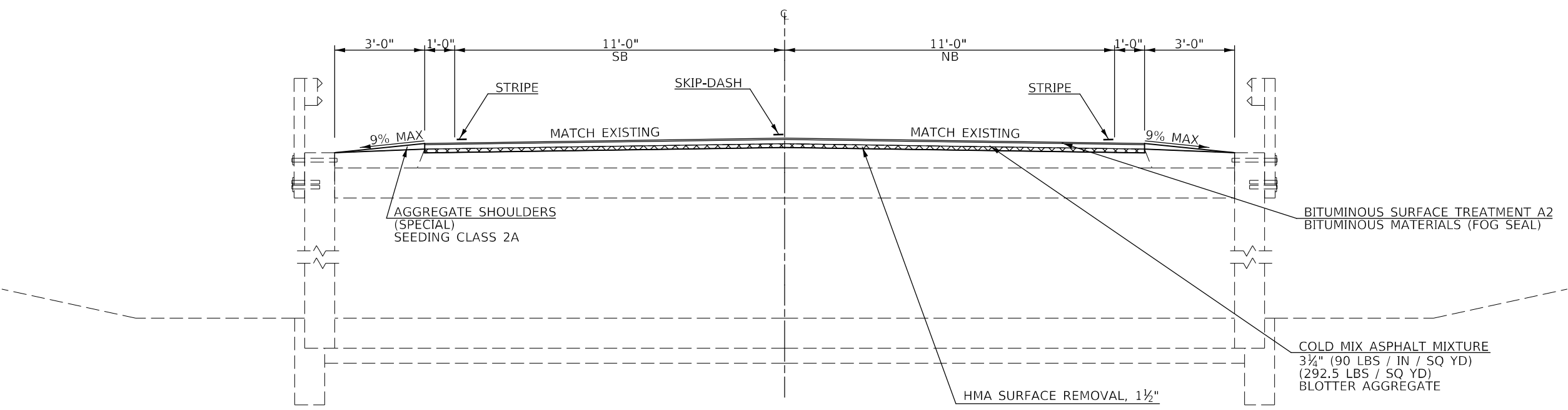


PROPOSED TYPICAL CROSS-SECTION 16

S.N. 010-2028
STATION 15 137+54.19 TO STATION 137+80.08 15



HMA SURFACE REMOVAL, 1 1/2"



MODEL: s:\MODEL NAMES
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USER NAME = PlersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 4,000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/27/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S. SHEET 16 OF 19 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	25
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

	<u>STATION</u>	<u>TO</u>	<u>STATION</u>	
(15)	137+98.63		140+00.00	(13)



STATION	TO	STATION
⑮ 137+98.63		140+00.00 ⑬



USER NAME = Piersontj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS	F.A.S. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			516	(250,251)RS-(10-7)RS-1	CHAMPAIGN	76	26	
PLOT SCALE = 4,000' / in.	CHECKED -	REVISED -								
PLOT DATE = 1/27/2022	DATE -	REVISED -								
			SCALE: N.T.S.	SHEET 17 OF 19 SHEETS	STA.	TO STA.				
			ILLINOIS FED. AID PROJECT CONTRACT NO. 70B04							

* S.N. 010-0221 OMISSION

The diagram illustrates the cross-section of a bridge deck with the following dimensions and details:

- Overall Width:** 24'-0" (center-to-center of the main deck sections).
- Deck Sections:**
 - Left section: 11'-0" wide, labeled "SB" (Southbound).
 - Right section: 11'-0" wide, labeled "NB" (Northbound).
- Shoulders:** 3'-6" wide on each side of the main deck sections.
- Edge Details:** 6" wide edge details on the outer shoulders.
- Grades:** 1.5% slope on the outer shoulders, labeled "1:4 & VAR."
- Deck Layers (from top to bottom):**
 - HMA SURFACE COURSE, 1½"
 - HMA BINDER COURSE, VAR. DEPTH
 - HMA SURFACE COURSE, ±2¼"
 - BITUMINOUS AGGREGATE MIXTURE BASE COURSE, 8"
- Other Features:**
 - BASE COURSE WIDENING, 9" (indicated by a callout line pointing to the base layer on the left side).
 - VAR. (Variable) indicates a variable depth or slope.

* S.N. 010-0221 OMISSION

Plan view of a proposed 24'-0" wide road section. The section is divided into two 11'-0" lanes (SB and NB) with 1'-0" shoulders on each side. The total width is 24'-0". The section is flanked by 3'-0" shoulders on each side. The proposed road surface is shown with a 9% MAX slope on the shoulders. The existing road surface is shown with a 9% MAX slope on the shoulders. The proposed road surface is shown with a 9% MAX slope on the shoulders. The existing road surface is shown with a 9% MAX slope on the shoulders.

Dimensions and Callouts:

- 3'-0" (Shoulder)
- 3'-6" (Shoulder)
- 1'-0" (Shoulder)
- 11'-0" SB (Lane)
- 11'-0" NB (Lane)
- 1'-0" (Shoulder)
- 3'-6" (Shoulder)
- 3'-0" (Shoulder)
- 24'-0" (Total Width)
- 9% MAX (Slope)
- STRIPE
- MATCH EXISTING
- HMA SHOULDERS, 3 3/4"
- AGGREGATE SHOULDERS (SPECIAL) SEEDING CLASS 2A
- BITUMINOUS SURFACE TREATMENT A2 BITUMINOUS MATERIALS (FOG SEAL)
- COLD MIX ASPHALT MIXTURE 3 3/4" (90 LBS / IN / SQ YD) (292.5 LBS / SQ YD) BLOTTER AGGREGATE
- HMA SURFACE REMOVAL, 1 1/2"

USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -							516	(250.251)RS.(10-7)RS-1	CHAMPAIGN	76	27
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -		SCALE: N.T.S.					CONTRACT NO. 70B04				
PLOT DATE = 1/27/2022	DATE -	REVISED -		SHEET 18 OF 19 SHEETS					ILLINOIS FED. AID PROJECT				

FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS

SCALE: N.T.S.	SHEET 18	OF 19	SHEETS	STA.	TO STA.
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[illegible]

	STATION	TO	STATION	
(18)	237+92.50		239+17.03	(13)



<u>STATION</u>	<u>IQ</u>	<u>STATION</u>
(18) 237+92.50		239+17.03 (13)



USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 516 (ST JOSEPH RD) TYPICAL CROSS-SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	28
PLOT SCALE = 4,0000 ' / in.	CHECKED -	REVISED -		SCALE: N.T.S. SHEET 19 OF 19 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/27/2022	DATE -	REVISED -					CONTRACT NO. 70B04				

SCHEDULES OF QUANTITIES

GUARDRAIL AND GUTTER EARTHWORK AND SEEDING SCHEDULE															
LOCATION	STA	TO	STA	LENGTH	DIRECTION	APPROACH	URBAN RURAL	20400800		X2501020		25100125		28000250	
								URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
				FT				FURNISHED EXCAVATION	SEEDING CLASS 2A (SPECIAL)	MULCH, METHOD 3	TEMPORARY EROSION CONTROL SEEDING				
				CU YD								ACRE	ACRE	POUND	
GUTTER	84+34.00	TO	84+46.00	12.00	NB	-	RURAL		7.50		0.01		0.01		4.00
GUTTER	87+27.00	TO	87+39.00	12.00	NB	-	RURAL		7.50		0.01		0.01		4.00
GUTTER	98+40.00	TO	98+52.00	12.00	SB	-	RURAL		7.50		0.01		0.01		4.00
GUTTER	101+26.00	TO	101+38.00	12.00	SB	-	RURAL		7.50		0.01		0.01		4.00
S.N. 010-2028	135+48.31	TO	135+98.31	50.00	NB	APPROACH	RURAL		7.50		0.01		0.01		4.00
S.N. 010-2028	138+73.31	TO	139+23.31	50.00	NB	DEPARTURE	RURAL		7.50		0.01		0.01		4.00
S.N. 010-2028	136+16.13	TO	136+66.13	50.00	SB	DEPARTURE	RURAL		7.50		0.01		0.01		4.00
S.N. 010-2028	139+35.80	TO	139+85.80	50.00	SB	APPROACH	RURAL		7.50		0.01		0.01		4.00
URBAN/RURAL TOTALS =									60.00		0.08		0.08		32.00
ROUNDED URBAN/RURAL TOTALS =									60.00		0.25		0.25		100.00
TOTALS =								60.00		0.25		0.25		100.00	

X2501020, 25100125, AND 28000250 QUANTITIES CONTINUE IN NB AND SB SHOULDER SEEDING SCHEDULE

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	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	29
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 1	OF 15 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SCHEDULES OF QUANTITIES

NB SHOULDER SEEDING SCHEDULE											
STA	TO	STA	LENGTH FT	WIDTH FT	URBAN RURAL	X2501020		25100125		28000250	
						URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
						SEEDING CLASS 2A (SPECIAL)		MULCH, METHOD 3		TEMPORARY EROSION CONTROL SEEDING	
						ACRE		ACRE		POUND	
123+21.35	TO	123+30.42	9.07	2.00	URBAN	0.0004		0.0004		0.16	
123+42.42	TO	123+66.75	24.33	2.00	URBAN	0.0011		0.0011		0.44	
STA EQN. STA 66+12.73 (AH) = STA 123+66.75 (BK)											
66+12.73	TO	64+21.63	191.10	2.00	URBAN						
62+50.71	TO	56+55.22	595.49	2.00	URBAN	0.0273		0.0273		10.92	
54+47.53	TO	51+54.55	292.98	2.00	URBAN	0.0135		0.0135		5.40	
S.N. 010-0089 OMISSION E-E APPROACH SLABS											
48+46.94	TO	45+73.90	273.04	2.00	URBAN	0.0125		0.0125		5.00	
44+08.92	TO	43+72.56	36.36	2.00	URBAN	0.0017		0.0017		0.68	
43+72.56		29+33.92	1,438.64	2.00	URBAN						
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)											
55+92.18	TO	59+02.87	310.69	2.00	URBAN	0.0143		0.0143		5.72	
59+57.89	TO	62+91.88	333.99	2.00	URBAN	0.0153		0.0153		6.12	
63+45.36	TO	66+02.41	257.05	2.00	URBAN	0.0118		0.0118		4.72	
66+95.93	TO	67+99.80	103.87	2.00	URBAN	0.0048		0.0048		1.92	
S.N. 010-0220 OMISSION E-E APPROACH SLABS											
69+92.48	TO	79+47.06	954.58	3.00	RURAL		0.0657		0.0657		26.28
79+70.06	TO	80+87.31	117.25	3.00	RURAL		0.0081		0.0081		3.24
81+65.51	TO	82+21.71	56.20	3.00	RURAL		0.0039		0.0039		1.56
82+56.60	TO	82+91.88	35.28	3.00	RURAL		0.0024		0.0024		0.96
83+29.32	TO	84+33.90	104.58	3.00	RURAL		0.0072		0.0072		2.88
87+36.90	TO	91+31.28	394.38	3.00	RURAL		0.0272		0.0272		10.88
91+70.14	TO	107+27.09	1,556.95	3.00	RURAL		0.1072		0.1072		42.88
107+54.53	TO	120+56.52	1,301.99	3.00	RURAL		0.0897		0.0897		35.88
120+89.14	TO	122+11.00	121.86	3.00	RURAL		0.0084		0.0084		3.36
122+49.65	TO	122+79.14	29.49	3.00	RURAL		0.0020		0.0020		0.80
123+18.46	TO	133+72.90	1,054.44	3.00	RURAL		0.0726		0.0726		29.04
134+37.68	TO	140+82.69	645.01	3.00	RURAL		0.0444		0.0444		17.76
141+16.77	TO	142+56.92	140.15	3.00	RURAL		0.0097		0.0097		3.88
142+86.88	TO	143+27.89	41.01	3.00	RURAL		0.0028		0.0028		1.12
143+62.32	TO	147+48.51	386.19	3.00	RURAL		0.0266		0.0266		10.64
147+87.76	TO	160+61.53	1,273.77	3.00	RURAL		0.0877		0.0877		35.08
161+03.89	TO	174+25.81	1,321.92	3.00	RURAL		0.0910		0.0910		36.40
174+61.60	TO	187+14.66	1,253.06	3.00	RURAL		0.0863		0.0863		34.52
187+75.14	TO	188+07.39	32.25	3.00	RURAL		0.0022		0.0022		0.88
188+34.73	TO	193+81.53	546.80	3.00	RURAL		0.0377		0.0377		15.08
194+13.82	TO	201+46.32	732.50	3.00	RURAL		0.0504		0.0504		20.16
201+81.11	TO	214+23.90	1,242.79	3.00	RURAL		0.0856		0.0856		34.24
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)											
214+22.26	TO	220+44.33	622.07	3.00	RURAL		0.0428		0.0428		17.12
220+80.10	TO	221+63.28	83.18	3.00	RURAL		0.0057		0.0057		2.28
221+98.25	TO	224+32.40	234.15	3.00	RURAL		0.0161		0.0161		6.44
224+73.75	TO	226+96.68	222.93	3.00	RURAL		0.0154		0.0154		6.16
227+32.38	TO	227+72.16	39.78	3.00	RURAL		0.0027		0.0027		1.08
227+99.10	TO	236+09.09	809.99	3.00	RURAL		0.0558		0.0558		22.32
S.N. 010-0221 OMISSION E-E DECK											
237+29.06	TO	237+75.99	46.93	3.00	RURAL		0.0032		0.0032		1.28
238+10.40	TO	242+96.12	485.72	3.00	RURAL		0.0335		0.0335		13.40
243+32.02	TO	254+11.11	1,079.09	3.00	RURAL		0.0743		0.0743		29.72
254+46.12	TO	260+58.13	612.01	3.00	RURAL		0.0421		0.0421		16.84
260+91.89	TO	267+69.14	677.25	3.00	RURAL		0.0466		0.0466		18.64
NORTHBOUND URBAN/RURAL ROUNDED TOTALS =						0.1027	1.2570	0.1027	1.2570	41.08	502.80
NORTHBOUND URBAN/RURAL TOTALS =						0.2500	1.5000	0.25	1.50	100.00	600.00
NORTHBOUND TOTALS =						1.75		1.75		700.00	

SB SHOULDER SEEDING SCHEDULE											
STA	TO	STA	LENGTH FT	WIDTH FT	URBAN RURAL	X2501020		25100125		28000250	
						URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
						SEEDING CLASS 2A (SPECIAL)		MULCH, METHOD 3		TEMPORARY EROSION CONTROL SEEDING	
						ACRE		ACRE		POUND	
65+99.64	TO	63+87.68	211.96	2.00	URBAN	0.0097		0.0097		3.88	
63+21.22	TO	56+17.63	703.59	2.00	URBAN	0.0323		0.0323		12.92	
56+17.63	TO	55+88.31	29.32	2.00	URBAN	0.0013		0.0013		0.52	
54+34.18	TO	51+54.55	279.63	2.00	URBAN	0.0128		0.0128		5.12	
S.N. 010-0089 OMISSION E-E APPROACH SLABS											
48+47.63	TO	45+65.03	282.60	2.00	URBAN	0.0130		0.0130		5.20	
44+24.49	TO	43+74.05	50.44	2.00	URBAN	0.0023		0.0023		0.92	
43+74.28		37+01.77	672.51	2.00	URBAN	0.0309		0.0309		12.36	
36+15.49		32+94.09	321.40	2.00	URBAN	0.0148		0.0148		5.92	
32+02.34		29+34.09	268.25	2.00	URBAN	0.0123		0.0123		4.92	
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)											
55+86.46	TO	56+89.56	103.10	2.00	URBAN	0.0047		0.0047		1.88	
57+40.58	TO	58+81.83	141.25	2.00	URBAN	0.0065		0.0065		2.60	
59+49.01	TO	62+43.71	294.70	2.00	URBAN	0.0135		0.0135		5.40	
62+81.68	TO	67+95.03	513.35	2.00	URBAN	0.0236		0.0236		9.44	
S.N. 010-0220 OMISSION E-E APPROACH SLABS											
69+87.55	TO	81+74.28	1,186.73	3.00	RURAL		0.0817		0.0817		32.68
82+81.83	TO	83+17.48	35.65	3.00	RURAL		0.0025		0.0025		1.00
83+55.63	TO	84+97.99	142.36	3.00	RURAL		0.0098		0.0098		3.92
85+37.39	TO	85+73.67	36.28	3.00	RURAL		0.0025		0.0025		1.00
86+18.20	TO	92+46.56	628.36	3.00	RURAL		0.0433		0.0433		17.32
93+20.37	TO	96+29.02	308.65	3.00	RURAL		0.0213		0.0213		8.52
96+87.90	TO	98+42.16	154.26	3.00	RURAL		0.0106		0.0106		4.24
101+36.15	TO	102+33.02	96.87	3.00	RURAL		0.0067		0.0067		2.68
103+04.12	TO	107+71.35	467.23	3.00	RURAL		0.0322		0.0322		12.88
108+29.10	TO	109+79.63	150.53	3.00	RURAL		0.0104		0.0104		4.16
110+05.86	TO	110+32.29	26.43	3.00	RURAL		0.0018		0.0018		0.72
110+77.59	TO	113+49.11	271.52	3.00	RURAL		0.0187		0.0187		7.48
113+82.64	TO	120+75.52	692.88	3.00	RURAL		0.0477		0.0477		19.08
121+06.04	TO	122+62.45	156.41	3.00	RURAL		0.0108		0.0108		4.32
123+08.49	TO	133+78.24	1,069.75	3.00	RURAL		0.0737		0.0737		29.48
134+47.36	TO	142+33.45	786.09	3.00	RURAL		0.0541		0.0541		21.64
142+80.56	TO	144+08.13	127.57	3.00	RURAL		0.0088		0.0088		3.52
144+99.57	TO	147+13.44	213.87	3.00	RURAL		0.0147		0.0147		5.88
147+49.33	TO	148+45.87	96.54	3.00	RURAL		0.0066		0.0066		2.64
149+06.78	TO	149+43.33	36.55	3.00	RURAL		0.0025		0.0025		1.00
149+79.22	TO	160+61.52	1,082.30	3.00	RURAL		0.0745		0.0745		29.80
160+99.72	TO	173+88.47	1,288.75	3.00	RURAL		0.0888		0.0888		35.52
174+68.15	TO	182+61.89	793.74	3.00	RURAL		0.0547		0.0547		21.88
182+99.68	TO	183+69.76	70.08	3.00	RURAL		0.0048		0.0048		1.92
184+07.47	TO	184+54.02	46.55	3.00	RURAL		0.0032		0.0032		1.28
184+89.06	TO	185+07.20	18.14	3.00	RURAL		0.0012		0.0012		0.48
185+41.57	TO	187+21.03	179.46	3.00	RURAL		0.0124		0.0124		4.96
187+78.86	TO	200+82.55	1,303.69	3.00	RURAL		0.0898		0.0898		35.92
201+19.59	TO	213+95.48	1,275.89	3.00	RURAL		0.0879		0.0879		35.16
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)											
214+30.39	TO	220+51.60	621.21	3.00	RURAL		0.0428		0.0428		17.12
221+05.23	TO	223+85.93	280.70	3.00	RURAL		0.0193		0.0193		7.72
224+24.04	TO	227+32.49	308.45	3.00	RURAL		0.0212		0.0212		8.48
227+68.65	TO	231+05.91	337.26	3.00	RURAL		0.0232		0.0232		9.28
231+41.93	TO	233+42.55	200.62	3.00	RURAL		0.0138		0.0138		5.52
234+04.01	TO	235+19.64	115.63	3.00	RURAL		0.0080		0.0080		3.20
235+36.77	TO	236+16.97	80.20	3.00	RURAL		0.0055		0.0055		2.20
S.N. 010-0221 OMISSION E-E DECK											
237+37.09	TO	237+87.33	50.24	3.00	RURAL		0.0035		0.0035		1.40
237+99.74	TO	244+54.41	654.67	3.00	RURAL		0.0451		0.0451		18.04
244+91.45	TO	249+70.93	479.48	3.00	RURAL		0.0330		0.0330		13.20
250+03.81	TO	250+81.71	77.90	3.00	RURAL		0.0054		0.0054		2.16
251+15.90	TO	254+40.24	324.34	3.00	RURAL		0.0223		0.0223		8.92
254+65.77	TO	267+69.14	1,303.37	3.00	RURAL		0.0898		0.0898		35.92
SOUTHBOUND URBAN/RURAL ROUNDED TOTALS =						0.1777	1.2106	0.1777	1.2106	71.08	484.24
SOUTHBOUND URBAN/RURAL TOTALS =						0.2500	1.2500	0.25	1.25	100.00	500.00
SOUTHBOUND TOTALS =						1.50		1.50		600.00	
URBAN/RURAL TOTALS =						0.5000	2.7500	0.50	2.75	200.00	1,100.00
TOTALS =						3.25		3.25		1,300.00	

SCHEDULES OF QUANTITIES

NB COLD MIX ASPHALT MIXTURE RESURFACING SCHEDULE																										
STA	TO	STA	LENGTH FT	URBAN RURAL	BEGIN OFFSET FT	END OFFSET FT	AVERAGE WIDTH FT	PAVING AREA SQ FT	TACK COAT ON MILLED SURFACE (0.05 LB/SQ FT)	TACK COAT ON HMA LIFT (0.025 LB/SQ FT)	AVG COLD MIX THICK. IN	40600290		44000155		X0300010		X1500001		X1500002		X4060205				
									URBAN	RURAL		URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL					
									BITUMINOUS MATERIALS (TACK COAT)			HMA SURFACE REMOVAL 1 1/2"		HMA SURFACE REMOVAL VARIABLE DEPTH		BITUMINOUS MATERIALS (FOG SEAL)		BITUMINOUS SURFACE TREATMENT A2		BLOTTER AGGREGATE		COLD MIX ASPHALT MIXTURE				
												POUND	SQ YD	SQ YD	POUND	SQ YD	TON	TON								
55+92.00	TO	56+37.00	45.00	URBAN	11.52	11.52	11.52	518.40	25.92	12.96	3.25	38.88			57.60		25.92		57.60		0.43		8.42			
56+37.00	TO	67+52.37	1,115.37	URBAN	11.52	11.93	11.73	13,083.29	654.16	327.08	3.25	981.24		1,453.70			654.16		1,453.70		10.90		212.60			
67+52.37	TO	67+97.37	45.00	URBAN	11.93	11.93	11.93	536.85	26.84	13.42	3.25	40.26				59.65		26.84		59.65		0.45		8.72		
S.N. 010-0220 OMISSION E-E APPROACH SLABS																										
69+90.01	TO	70+25.01	35.00	RURAL	12.25	12.25	12.25	428.75	21.44	10.72	3.25		32.16			47.64		21.44		47.64		0.36		6.97		
70+25.01	TO	95+00.00	2,474.99	RURAL	12.25	11.67	11.96	29,600.88	1,480.04	740.02	3.25		2,220.06		3,288.99			1,480.04		3,288.99		24.67		481.01		
95+00.00	TO	120+00.00	2,500.00	RURAL	11.67	11.78	11.73	29,325.00	1,466.25	733.13	3.25		2,199.38		3,258.33			1,466.25		3,258.33		24.44		476.53		
120+00.00	TO	145+00.00	2,500.00	RURAL	11.78	12.44	12.11	30,275.00	1,513.75	756.88	3.25		2,270.63		3,363.89			1,513.75		3,363.89		25.23		491.97		
145+00.00	TO	170+00.00	2,500.00	RURAL	12.44	11.46	11.95	29,875.00	1,493.75	746.88	3.25		2,240.63		3,319.44			1,493.75		3,319.44		24.90		485.47		
170+00.00	TO	195+00.00	2,500.00	RURAL	11.46	11.44	11.45	28,625.00	1,431.25	715.63	3.25		2,146.88		3,180.56			1,431.25		3,180.56		23.85		465.16		
195+00.00	TO	214+23.90	1,923.90	RURAL	11.44	12.19	11.82	22,740.50	1,137.03	568.51	3.25		1,705.54		2,526.72			1,137.03		2,526.72		18.95		369.53		
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)																										
214+22.26	TO	220+00.00	577.74	RURAL	12.19	11.99	12.09	6,984.88	349.24	174.62	3.25		523.86		776.10			349.24		776.10		5.82		113.50		
220+00.00	TO	235+68.10	1,568.10	RURAL	11.99	11.51	11.75	18,425.18	921.26	460.63	3.25		1,381.89		2,047.24			921.26		2,047.24		15.35		299.41		
235+68.10	TO	236+13.10	45.00	RURAL	11.51	11.51	11.51	517.95	25.90	12.95	3.25		38.85				57.55		25.90		57.55		0.43		8.42	
S.N. 010-0221 OMISSION E-E DECK																										
237+33.11	TO	237+78.11	45.00	RURAL	11.82	11.82	11.82	531.90	26.60	13.30	3.25		39.90				59.10		26.60		59.10		0.44		8.64	
237+78.11	TO	260+00.00	2,221.89	RURAL	11.82	12.22	12.02	26,707.12	1,335.36	667.68	3.25		2,003.04		2,967.46			1,335.36		2,967.46		22.26		433.99		
260+00.00	TO	267+24.14	724.14	RURAL	12.22	12.90	12.56	9,095.20	454.76	227.38	3.25		682.14		1,010.58			454.76		1,010.58		7.58		147.80		
267+24.14	TO	267+69.14	45.00	RURAL	12.90	59.94	36.42	1,638.90	81.95	40.97	3.25		122.92			182.10			81.95		182.10		1.37		26.63	
NORTHBOUND URBAN/RURAL TOTALS =												1,060.38	17,607.88	1,453.70	25,739.31	117.25	346.39	706.92	11,738.58	1,570.95	26,085.70	11.78	195.65	229.74	3,815.03	
NORTHBOUND TOTALS =												18,668.26		27,193.01		463.64		12,445.50		27,656.65		207.43		4,044.77		

SB COLD MIX ASPHALT MIXTURE RESURFACING SCHEDULE																									
STA	TO	STA	LENGTH FT	URBAN RURAL	BEGIN OFFSET FT	END OFFSET FT	AVERAGE WIDTH FT	PAVING AREA SQ FT	TACK COAT ON MILLED SURFACE (0.05 LB/SQ FT)	TACK COAT ON HMA LIFT (0.025 LB/SQ FT)	COLD MIX THICK. IN	40600290		44000155		X0300010		X1500001		X1500002		X4060205			
									URBAN	RURAL		URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL				
												BITUMINOUS MATERIALS (TACK COAT) POUND	HMA SURFACE REMOVAL 1 1/2" SQ YD	HMA SURFACE REMOVAL VARIABLE DEPTH SQ YD	BITUMINOUS MATERIALS (FOG SEAL) POUND	BITUMINOUS SURFACE TREATMENT A2 SQ YD	BLOTTER AGGREGATE TON	COLD MIX ASPHALT MIXTURE TON							
55+92.00	TO	56+37.00	45.00	URBAN	11.99	11.99	11.99	539.55	26.98	13.49	3.25	40.47			59.95		26.98		59.95		0.45		8.77		
56+37.00	TO	67+52.37	1,115.37	URBAN	11.99	11.17	11.58	12,915.98	645.80	322.90	3.25	968.70		1,435.11			645.80		1,435.11		10.76		209.88		
67+52.37	TO	67+97.37	45.00	URBAN	11.99	12.17	12.08	543.60	27.18	13.59	3.25	40.77			60.40		27.18		60.40		0.45		8.83		
S.N. 010-0220 OMISSION E-E APPROACH SLABS																									
69+90.01	TO	70+35.01	45.00	RURAL	12.12	12.12	12.12	545.40	27.27	13.64	3.25		40.91			60.60		27.27		60.60		0.45		8.86	
70+35.01	TO	95+00.00	2,464.99	RURAL	12.12	12.36	12.24	30,171.48	1,508.57	754.29	3.25		2,262.86		3,352.39			1,508.57		3,352.39		25.14		490.29	
95+00.00	TO	120+00.00	2,500.00	RURAL	12.36	11.64	12.00	30,000.00	1,500.00	750.00	3.25		2,250.00		3,333.33			1,500.00		3,333.33		25.00		487.50	
120+00.00	TO	145+00.00	2,500.00	RURAL	11.64	10.72	11.18	27,950.00	1,397.50	698.75	3.25		2,096.25		3,105.56			1,397.50		3,105.56		23.29		454.19	
145+00.00	TO	170+00.00	2,500.00	RURAL	10.72	11.77	11.25	28,125.00	1,406.25	703.13	3.25		2,109.38		3,125.00			1,406.25		3,125.00		23.44		457.03	
170+00.00	TO	195+00.00	2,500.00	RURAL	11.77	11.93	11.85	29,625.00	1,481.25	740.63	3.25		2,221.88		3,291.67			1,481.25		3,291.67		24.69		481.41	
195+00.00	TO	214+23.90	1,923.90	RURAL	11.93	11.24	11.59	22,298.00	1,114.90	557.45	3.25		1,672.35		2,477.56			1,114.90		2,477.56		18.58		362.34	
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)																									
214+22.26	TO	220+00.00	577.74	RURAL	11.24	11.56	11.40	6,586.24	329.31	164.66	3.25		493.97		731.80			329.31		731.80		5.49		107.03	
220+00.00	TO	235+68.10	1,568.10	RURAL	11.56	11.29	11.43	17,923.38	896.17	448.08	3.25		1,344.25		1,991.49			896.17		1,991.49		14.94		291.25	
235+68.10	TO	236+13.10	45.00	RURAL	11.29	11.29	11.29	508.05	25.40	12.70	3.25		38.10			56.45		25.40		56.45		0.42		8.26	
S.N. 010-0221 OMISSION E-E DECK																									
237+33.11	TO	237+78.11	45.00	RURAL	11.02	11.02	11.02	495.90	24.80	12.40	3.25		37.20			55.10		24.80		55.10		0.41		8.06	
237+78.11	TO	260+00.00	2,221.89	RURAL	11.02	11.34	11.18	24,840.73	1,242.04	621.02	3.25		1,863.06		2,760.08			1,242.04		2,760.08		20.70		403.66	
260+00.00	TO	267+24.14	724.14	RURAL	11.34	12.91	12.13	8,783.82	439.19	219.60	3.25		658.79		975.98			439.19		975.98		7.32		142.74	
267+24.14	TO	267+69.14	45.00	RURAL	12.91	51.77	32.34	1,455.30	72.77	36.38	3.25		109.15			161.70		72.77		161.70		1.21		23.65	
SOUTHBOUND URBAN/RURAL TOTALS =												1,049.94	17,198.15	1,435.11	25,144.86	120.35	333.85	699.96	11,465.42	1,555.46	25,478.71	11.66	191.08	227.48	3,726.27
SOUTHBOUND TOTALS =												18,248.09	26,579.97	454.20	12,165.38	27,034.17	202.74	3,953.75							
URBAN/RURAL TOTALS =												2,111.00	34,807.00	2,889.00	50,885.00	238.00	681.00	1,407.00	23,204.00	3,127.00	51,565.00	24.00	387.00	458.00	7,542.00
TOTALS =												36,918.00	53,774.00	919.00	24,611.00	54,692.00	411.00	8,000.00							

SCHEDULES OF QUANTITIES

NB HMA SHOULDERS SCHEDULE										
STA	TO	STA	LENGTH	START WIDTH	END WIDTH	AVERAGE WIDTH	*AVERAGE THICKNESS	40600290	44000155	48203100
								URBAN	URBAN	URBAN
								BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE REMOVAL 1 1/2"	HMA SHOULDERS
								POUND	SQ YD	TON
56+55.48	TO	55+46.48	109.00	7.43	6.25	6.84	1.88	37.28	82.84	8.72
54+49.72	TO	54+47.45	2.27	4.91	5.12	5.02	1.88	0.57	1.27	0.13
54+47.45	TO	51+54.57	292.88	6.60	6.87	6.74	1.88	98.70	219.33	23.09
48+46.79	TO	45+73.66	273.13	6.76	7.07	6.92	1.88	94.50	210.01	22.11
44+41.85	TO	43+72.22	69.63	6.41	6.91	6.66	1.88	23.19	51.53	5.42
NORTHBOUND TOTALS =								254.24	564.98	59.47
NORTHBOUND ROUNDED TOTALS =								255.00	565.00	60.00

*THICKNESS VARIES FROM 2.25" AT EOP TO 1.5" AT EOS

SB HMA SHOULDERS SCHEDULE										
STA	TO	STA	LENGTH FT	START WIDTH FT	END WIDTH FT	AVERAGE WIDTH FT	*AVERAGE THICKNESS IN	40600290	44000155	48203100
								URBAN	URBAN	URBAN
								BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE REMOVAL 1 1/2"	HMA SHOULDERS
								POUND	SQ YD	TON
56+17.89	TO	55+88.69	29.20	6.66	7.46	7.06	1.88	10.31	22.91	2.41
54+34.63	TO	54+22.25	12.38	2.41	5.29	3.85	1.88	2.38	5.30	0.56
54+22.25	TO	51+54.45	267.80	6.76	6.87	6.82	1.88	91.32	202.93	21.36
48+47.33	TO	45+64.29	283.04	7.16	6.41	6.79	1.88	96.09	213.54	22.48
44+70.01	TO	43+74.39	95.62	6.96	6.15	6.56	1.88	31.36	69.70	7.34
SOUTHBOUND TOTALS =								231.46	514.38	54.15
SOUTHBOUND ROUNDED TOTALS =								232.00	515.00	55.00
TOTALS =								487.00	1,080.00	115.00

*THICKNESS VARIES FROM 2.25" AT EOP TO 1.5" AT EOS

40600290 QUANTITIES CONTINUE IN THE NB & SB COLD MIX ASPHALT MIXTURE RESURFACING, LONGITUDINAL JOINT SEALANT, NB & SB HMA RESURFACING, AND NB & SB HMA SHOULDERS, 3.75" SCHEDULES

44000155 QUANTITIES IN NB & SB COLD MIX ASPHALT MIXTURE RESURFACING SCHEDULES

NB HMA SHOULDERS, 3.75" SCHEDULE								
STA	TO	STA	LENGTH FT	START WIDTH FT	END WIDTH FT	AVERAGE WIDTH FT	40600290	48203012
							RURAL	RURAL
							BITUMINOUS MATERIALS (TACK COAT)	HMA SHOULDERS, 3.75"
							POUND	SQ YD
234+28.34	TO	236+10.52	182.18	3.08	3.74	3.41	31.06	69.03
237+29.57	TO	237+17.03	12.54	3.35	2.28	2.82	1.77	3.93
NORTHBOUND TOTALS =							32.83	72.96
NORTHBOUND ROUNDED TOTALS =							33.00	73.00

SB HMA SHOULDERS , 3.75" SCHEDULE								
STA	TO	STA	LENGTH	START WIDTH	END WIDTH	AVERAGE WIDTH	40600290	48203012
							RURAL	RURAL
							BITUMINOUS MATERIALS (TACK COAT)	HMA SHOULDERS, 3.75"
							POUND	SQ YD
234+28.65	TO	234+32.05	3.40	0.00	3.13	1.57	0.27	0.59
234+32.05	TO	236+16.55	184.50	3.13	4.15	3.64	33.58	74.62
237+35.68	TO	239+16.84	181.16	4.16	2.98	3.57	32.34	71.86
SOUTHBOUND TOTALS =							66.19	147.07
SOUTHBOUND ROUNDED TOTALS =							67.00	148.00
TOTALS =							100.00	221.00

40600290 QUANTITIES CONTINUE IN THE NB & SB COLD MIX ASPHALT MIXTURE RESURFACING, LONGITUDINAL JOINT SEALANT, NB & SB HMA RESURFACING, AND NB & SB HMA SHOULDERS, SCHEDULES

LONGITUDINAL JOINT SEALANT SCHEDULE					
STA	TO	STA	LENGTH FT	40600290	40600370
				URBAN	URBAN
				BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT
				POUND	FT
123+03.34	TO	123+66.75	63.41	2.38	63.41
STA EQN. STA 66+12.73 (AH) = STA 123+66.75 (BK)					
66+12.73	TO	51+54.55	1,458.18	54.68	1,458.18
S.N. 010-0089 OMISSION E-E APPROACH SLABS					
48+46.94	TO	29+28.78	1,918.16	71.93	1,918.16
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)					
45+61.26	TO	55+92.00	1,030.74	38.65	1,030.74
TOTAL =				167.64	4,470.49
ROUNDED TOTAL =				168.00	4,471.00

40600290 QUANTITIES CONTINUE IN THE NB & SB COLD MIX ASPHALT MIXTURE RESURFACING, NB & SB HMA RESURFACING , NB & SB HMA SHOULDERS, AND NB & SB HMA SHOULDERS, 3.75" SCHEDULES

INCIDENTAL HMA SURFACING - RAMPS SCHEDULE									
STA	DIRECTION	DESCRIPTION	FULL DEPTH HMA SURFACE AREA SQ FT	TAPER JOINT AREA SQ FT	FULL DEPTH INCIDENTAL THICKNESS IN	AVERAGE TAPER INCIDENTAL THICKNESS IN	40800029	40800050	X4400196
							URBAN	URBAN	URBAN
							BITUMINOUS MATERIALS (TACK COAT) POUND	INCIDENTAL HMA SURFACING TON	HMA SURFACE REMOVAL SPECIAL SQ YD
55+02.18	SB	I-74 EB OFF RAMP	1,179.57	1,055.65	2.250	1.875	111.76	28.83	248.36
54+80.92	NB	I-74 EB ON RAMP	680.16	862.57	2.250	1.875	77.14	19.58	171.41
45+26.93	SB	I-74 WB ON RAMP	637.29	916.89	2.250	1.875	77.71	19.62	172.69
45+06.03	NB	I-74 WB OFF RAMP	784.07	962.35	2.250	1.875	87.32	22.21	194.05
TOTALS =							353.93	90.24	786.51
ROUNDED TOTALS =							354.00	91.00	787.00

40800050 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - SIDEROADS AND INCIDENTAL HMA SURFACING - ENTRANCES SCHEDULES
X4400196 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - SIDEROADS SCHEDULE

INCIDENTAL HMA SURFACING - SIDEROADS SCHEDULE														
STA	DIRECTION	DESCRIPTION	FULL DEPTH HMA SURFACE AREA SQ FT	BUTT JOINT AREA SQ FT	FULL DEPTH INCIDENTAL THICKNESS IN	AVERAGE DEPTH BUTT- JOINT INCIDENTAL THICKNESS IN	40600982		40800029		40800050		X4400196	
							URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
							HMA SURFACE REMOVAL BUTT- JOINT SQ YD		BITUMINOUS MATERIALS (TACK COAT) POUND		INCIDENTAL HMA SURFACING TON		HMA SURFACE REMOVAL SPECIAL SQ YD	
63+51.82	SB	JEANES DR	1,298.76		1.500			64.94		12.12		144.31		
36+61.93	SB	SHORE DR	2,528.56		1.500			126.43		23.60		280.95		
32+52.87	SB	CHATEAU DR	1,707.46		1.500			85.37		15.94		189.72		
55+38.81	SB	CR 1700 N (WEST)	957.92		1.500			47.90		8.94		106.44		
55+45.25	NB	CR 1700 N (EAST)	1,402.80		1.500			70.14		13.09		155.87		
66+60.07	NB	HEATHER HILLS DRIVE	1,706.89	942.92	2.250	1.875	104.77	132.49		34.90				
134+07.52	NB	CR 1850 N (EAST)	834.75	612.24	2.250	1.875		68.03	72.35		18.83			
134+10.93	SB	CR 1850 N (WEST)		1,277.70		1.875		141.97	63.89		14.91			
187+47.27	SB	CR 1950 N (EAST)		971.15		1.875		107.91	48.56		11.33			
187+48.26	NB	CR 1950 N (WEST)		933.40		1.875		103.71	46.67		10.89			
URBAN/RURAL TOTALS =							104.77	421.62	527.27	231.47	108.59	55.96	877.28	
ROUNDED URBAN/RURAL TOTALS =							105.00	422.00	528.00	232.00	109.00	56.00	878.00	
TOTALS =								527.00	760.00		165.00		878.00	

40600982 AND 40800029 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - ENTRANCES SCHEDULE
40800050 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - ENTRANCES AND INCIDENTAL HMA SURFACING - RAMPS SCHEDULES
X4400196 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - RAMPS SCHEDULE

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FILE NAME: s:\model\caw\hwy\com\p\WIDOT\Documents\DOT_Offices\District 5\Projects\0570B04\CADData\CAD\sheet\0570B04-rht-Schedules.dgn

	USER NAME = PlersonTJ		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -						516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	32
	PLOT SCALE = 40,0000 ' / in.		CHECKED -	REVISED -						CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022		DATE -	REVISED -		SCALE:	SHEET 4	OF 14	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SCHEDULES OF QUANTITIES

NB HMA RESURFACING SCHEDULE																		
STA	TO	STA	LENGTH FT	URBAN RURAL	BEGIN WIDTH FT	END WIDTH FT	AVERAGE WIDTH FT	PAVING AREA SQ FT	TACK COAT ON MILLED SURFACE (0.05 LB/SQ FT)	TACK COAT ON HMA LIFT (0.025 LB/SQ FT)	AVG BINDER THICK. IN	SURFACE THICK. IN	* MILLING THICK. IN	40600290	40603080	40604060	44000161	44000164
									URBAN	URBAN				URBAN	URBAN	URBAN		
									BITUMINOUS MATERIALS (TACK COAT) POUND	HMA BINDER COURSE 1L-19.0, N50 TON				HMA SURFACE COURSE 1L-9.5, MIX "D", N50 TON	HMA SURFACE REMOVAL 3" SQ YD	HMA SURFACE REMOVAL 3 3/4" SQ YD		
STA	TO	STA	FT	RURAL	FT	FT	FT	SQ FT	POUND	POUND	IN	IN	IN	POUND	TON	TON	SQ YD	SQ YD
123+03.34	TO	123+66.75	63.41	URBAN	13.48	18.74	16.11	1,021.54	51.08	25.54	2.25	1.50	3.75	76.62	14.30	9.53		113.50
STA EQN. STA 66+12.73 (AH) = STA 123+66.75 (BK)																		
66+12.73	TO	64+13.02	199.71	URBAN	18.74	31.26	25.00	4,992.75	249.64	124.82	2.25	1.50	3.75	374.46	69.90	46.60		554.75
64+13.02	TO	63+41.30	71.72	URBAN	31.26	29.92	30.59	2,193.91	109.70	54.85	2.25	1.50	3.75	164.55	30.71	20.48		243.77
63+41.30	TO	63+24.19	17.11	URBAN	20.98	21.22	21.10	361.02	18.05	9.03	2.25	1.50	3.75	27.08	5.05	3.37		40.11
63+24.19	TO	63+00.35	23.84	URBAN	30.62	31.65	31.14	742.38	37.12	18.56	2.25	1.50	3.75	55.68	10.39	6.93		82.49
63+00.35	TO	62+34.32	66.03	URBAN	31.65	13.51	22.58	1,490.96	74.55	37.27	2.25	1.50	3.75	111.82	20.87	13.92		165.66
62+34.32	TO	56+20.50	613.82	URBAN	13.51	11.59	12.55	7,703.44	385.17	192.59	2.25	1.50	3.75	577.76	107.85	71.90		855.94
56+20.50	TO	51+69.55	450.95	URBAN	11.59	11.34	11.47	5,172.40	258.62	129.31	2.25	1.50	3.00	387.93	72.41	48.28	574.71	
51+69.55	TO	51+54.55	15.00	URBAN	11.34	11.34	11.34	170.10	8.51	4.25	1.88	1.50	3.00	12.76	1.98	1.59	18.90	
S.N. 010-0089 OMISSION E-E APPROACH SLABS																		
48+46.94	TO	48+31.94	15.00	URBAN	11.23	11.23	11.23	168.45	8.42	4.21	1.88	1.50	3.00	12.63	1.97	1.57	18.72	
48+31.94	TO	43+80.00	451.94	URBAN	11.23	11.74	11.49	5,192.79	259.64	129.82	2.25	1.50	3.00	389.46	72.70	48.47	576.98	
43+80.00	TO	29+28.78	1,451.22	URBAN	11.74	11.09	11.42	16,572.93	828.65	414.32	2.25	1.50	3.75	1,242.97	232.02	154.68		1,841.44
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)																		
45+61.26	TO	55+92.00	1,030.74	URBAN	11.98	11.52	11.75	12,111.20	605.56	302.78	2.25	1.50	3.75	908.34	169.56	113.04		1,345.69
NORTHBOUND TOTALS =														4,342.06	809.71	540.36	1,189.31	5,243.35

*MILL LISTED THICKNESS OR TO PCC SURFACE, WHICHEVER IS LESS.

SB HMA RESURFACING SCHEDULE																		
STA	TO	STA	LENGTH FT	URBAN RURAL	BEGIN WIDTH FT	END OFFSET FT	AVERAGE WIDTH FT	PAVING AREA SQ FT	TACK COAT ON MILLED SURFACE (0.05 LB/SQ FT)	TACK COAT ON HMA LIFT (0.025 LB/SQ FT)	BINDER THICK. IN	SURFACE THICK. IN	* MILLING THICK. IN	40600290	40603080	40604060	44000161	44000164
														URBAN	URBAN	URBAN	URBAN	URBAN
														BITUMINOUS MATERIALS (TACK COAT) POUND	HMA BINDER COURSE 1L-19.0, N50 TON	HMA SURFACE COURSE 1L-9.5, MIX "D", N50 TON	HMA SURFACE REMOVAL 3" SQ YD	HMA SURFACE REMOVAL 3 3/4" SQ YD
123+03.34	TO	123+66.75	63.41	URBAN	13.90	18.40	16.15	1,024.07	51.20	25.60	2.25	1.50	3.75	76.80	14.34	9.56		113.79
STA EQN. STA 66+12.73 (AH) = STA 123+66.75 (BK)																		
66+12.73	TO	64+68.92	143.81	URBAN	18.40	22.22	20.31	2,920.78	146.04	73.02	2.25	1.50	3.75	219.06	40.89	27.26		324.53
64+68.92	TO	58+50.25	618.67	URBAN	22.22	11.68	16.95	10,486.46	524.32	262.16	2.25	1.50	3.75	786.48	146.81	97.87		1,165.16
58+50.25	TO	56+20.50	229.75	URBAN	11.68	11.46	11.57	2,658.21	132.91	66.46	2.25	1.50	3.75	199.37	37.21	24.81		295.36
56+20.50	TO	51+69.55	450.95	URBAN	11.46	12.00	11.73	5,289.64	264.48	132.24	2.25	1.50	3.00	396.72	74.05	49.37	587.74	
51+69.55	TO	51+54.55	15.00	URBAN	12.00	12.00	12.00	180.00	9.00	4.50	1.88	1.50	3.00	13.50	2.10	1.68	20.00	
S.N. 010-0089 OMISSION E-E APPROACH SLABS																		
48+46.94		48+31.94	15.00	URBAN	11.44	11.44	11.44	171.60	8.58	4.29	1.88	1.50	3.00	12.87	2.00	1.60	19.07	
48+31.94	TO	43+80.00	451.94	URBAN	11.44	11.53	11.49	5,192.79	259.64	129.82	2.25	1.50	3.00	389.46	72.70	48.47	576.98	
43+80.00	TO	29+28.78	1,451.22	URBAN	11.53	11.60	11.57	16,790.62	839.53	419.77	2.25	1.50	3.75	1,259.30	235.07	156.71		1,865.62
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)																		
45+61.26	TO	55+92.00	1,030.74	URBAN	11.60	11.99	11.80	12,162.73	608.14	304.07	2.25	1.50	3.75	912.21	170.28	113.52		1,351.41
SOUTHBOUND TOTALS =														4,265.77	795.45	530.85	1,203.79	5,115.87
URBAN/RURAL TOTALS =														8,607.83	1,605.16	1,071.21	2,393.10	10,359.22
TOTALS =														8,608.00	1,606.00	1,072.00	2,394.00	10,360.00

*MILL LISTED THICKNESS OR TO PCC SURFACE, WHICHEVER IS LESS.

40600290 QUANTITIES CONTINUE IN THE NB & SB COLD MIX ASPHALT MIXTURE RESURFACING, LONGITUDINAL JOINT SEALANT, NB & SB HMA SHOULDERS, AND NB & SB HMA SHOULDERS, 3.75" SCHEDULES

44000164 QUANTITIES CONTINUE IN NB & SB COLD MIX ASPHALT MIXTURE RESURFACING SCHEDULES

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	USER NAME = Piersontj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	33
	PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -				CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 5 OF 14 SHEETS		STA.		TO STA.					

SCHEDULES OF QUANTITIES

INCIDENTAL HMA SURFACING - ENTRANCES SCHEDULE																			
STA	DIRECTION	DESCRIPTION	URBAN RURAL	APRON MATERIAL	ENTRANCE MATERIAL	APRON AREA SQ FT	HMA SURFACE AREA SQ FT	PCC SURFACE AREA SQ FT	AVERAGE INCIDENTAL THICKNESS IN	AVERAGE AGGREGATE THICKNESS IN	40600982	40600985		40800029		40800050		48101200	
											RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
											HMA SURFACE REMOVAL BUTT- JOINT SQ YD	PCC SURFACE REMOVAL BUTT- JOINT SQ YD	BITUMINOUS MATERIALS (TACK COAT) POUND	INCIDENTAL HMA SURFACING TON	AGGREGATE SHOULDERS, TYPE B TON				
32+94.29	NB	C.E. #001	URBAN	N/A	AGG					1.500								16.12	
31+50.35	NB	C.E. #002	URBAN	N/A	AGG					1.500								4.72	
30+13.29	SB	P.E. #001	URBAN	N/A	AGG					1.500								3.67	
57+14.37	SB	C.E. #006	URBAN	N/A	PCC			396.62	1.875	0.750		44.07		19.83		4.63			
59+16.22	SB	C.E. #007	URBAN	N/A	PCC			486.93	1.875	0.750		54.10		24.35		5.68			
59+30.44	NB	F.E. #001	URBAN	HMA	GRASS	152.52			1.875	0.750				7.63		1.78		0.57	
62+62.41	SB	C.E. #008	URBAN	HMA	AGG	107.04			1.875	0.750				5.35		1.25		2.62	
63+17.00	NB	F.E. #002	URBAN	HMA	GRASS	159.27			1.875	0.750				7.96		1.86		0.56	
79+57.91	NB	F.E. #003	RURAL	HMA	AGG	68.20			1.875	0.750					3.41		0.80		0.21
81+05.11	NB	P.E. #006	RURAL	N/A	HMA		1,214.22		1.875		134.91			60.71		14.17			
81+46.34		P.E. #007																	
82+03.08	SB	F.E. #004	RURAL	HMA	AGG	351.09			1.875	0.750				17.55		4.10		1.36	
82+36.35	NB	F.E. #005	RURAL	HMA	AGG	82.87			1.875	0.750				4.14		0.97		0.36	
83+09.29	NB	P.E. #008	RURAL	N/A	HMA		597.20		1.875	0.750	66.36			29.86		6.97			
83+38.35	SB	P.E. #009	RURAL	N/A	HMA		657.96		1.875	0.750	73.11			32.90		7.68			
85+17.85	SB	MBTO	RURAL	N/A	HMA	101.92			1.875	0.750				5.10		1.19		0.45	
86+00.22	SB	P.E. #011	RURAL	N/A	AGG				1.875	1.125								4.21	
91+51.10	NB	F.E. #007	RURAL	HMA	GRASS	153.00			1.875	0.750				7.65		1.79		0.34	
92+83.02	SB	P.E. #013	RURAL	N/A	PCC			991.87	1.875	0.750		110.21		49.59		11.57			
96+49.38	SB	P.E. #014	RURAL	N/A	HMA		662.46		1.875	0.750	73.61			33.12		7.73		0.37	
102+54.74	SB	P.E. #016	RURAL	N/A	HMA		749.73		1.875	0.750	83.30			37.49		8.75		0.47	
107+43.01	NB	F.E. #008	RURAL	HMA	AGG	81.41			1.875	0.750				4.07		0.95		0.24	
107+92.75	SB	P.E. #017	RURAL	N/A	HMA		889.08		1.875	0.750	98.79			44.45		10.37		0.67	
109+92.90	SB	MBTO	RURAL	N/A	HMA	102.60			1.875	0.750				5.13		1.20		0.38	
110+60.31	SB	P.E. #018	RURAL	N/A	HMA		624.62		1.875	0.750	69.40			31.23		7.29			
113+65.87	SB	F.E. #009	RURAL	HMA	AGG	113.94			1.875	0.750				5.70		1.33		0.28	
120+71.53	NB	F.E. #010	RURAL	HMA	GRASS	91.73			1.875	0.750				4.59		1.07		0.29	
120+94.14	SB	F.E. #011	RURAL	HMA	GRASS	81.05			1.875	0.750				4.05		0.95		0.29	
122+32.35	NB	P.E. #019	RURAL	N/A	HMA		503.70		1.875	0.750	55.97			25.19		5.88			
122+92.59	SB	MBTO	RURAL	N/A	HMA	179.52			1.875	0.750				8.98		2.09		0.67	
122+98.84	NB	F.E. #012	RURAL	HMA	GRASS	107.39			1.875	0.750				5.37		1.25		0.30	
136+94.67	SB	F.E. #013	RURAL	N/A	AGG				1.875	0.750								2.68	
141+01.38	NB	F.E. #014	RURAL	HMA	GRASS	90.91			1.875	0.750				4.55		1.06		0.30	
142+58.37	SB	MBTO	RURAL	N/A	HMA	204.74			1.875	0.750				10.24		2.39		0.67	
142+75.56	NB	P.E. #020	RURAL	N/A	HMA		488.05		1.875	0.750	54.23			24.40		5.69			
143+45.19	NB	P.E. #021	RURAL	N/A	HMA		557.92		1.875	0.750	61.99			27.90		6.51			
144+88.59	SB	P.E. #022	RURAL	N/A	AGG				1.875	1.125								5.59	
147+31.04	SB	F.E. #015	RURAL	HMA	GRASS	110.88			1.875	0.750				5.54		1.29		0.33	
147+73.76	NB	F.E. #016	RURAL	HMA	GRASS	111.26			1.875	0.750				5.56		1.30		0.34	
148+65.38	SB	P.E. #023	RURAL	N/A	HMA		720.33		1.875	0.750	80.04			36.02		8.40		0.41	
149+60.42	SB	F.E. #017	RURAL	HMA	AGG	104.98			1.875	0.750				5.25		1.22		0.27	
160+80.17	SB	F.E. #018	RURAL	HMA	AGG	130.38			1.875	0.750				6.52		1.52		0.34	
160+80.81	NB	F.E. #019	RURAL	HMA	AGG	165.68			1.875	0.750				8.28		1.93		0.35	
174+08.19	SB	F.E. #020	RURAL	HMA	AGG	279.90			1.875	0.750				14.00		3.27		0.97	
174+43.07	NB	P.E. #024	RURAL	HMA	AGG		635.23		1.875	0.750	70.58			31.76		7.41			
182+82.04	SB	F.E. #021	RURAL	HMA	GRASS	130.66			1.875	0.750				6.53		1.52		0.32	
183+88.54	SB	P.E. #025	RURAL	N/A	HMA		527.16		1.875	0.750	58.57			26.36		6.15			
184+64.16	SB	MBTO	RURAL	N/A	HMA	120.67			1.875	0.750				6.03		1.41		0.54	
185+26.59	SB	F.E. #022	RURAL	HMA	GRASS	115.40			1.875	0.750				5.77		1.35		0.28	
188+20.87	NB	F.E. #023	RURAL	HMA	GRASS	79.95			1.875	0.750				4.00		0.93		0.25	
194+00.86	NB	F.E. #024	RURAL	HMA	GRASS	85.41			1.875	0.750				4.27		1.00		0.29	
SUB-TOTALS =											980.86	98.17	110.21	65.12	653.26	15.20	152.45	28.26	24.82

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	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	34
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 6	OF 14	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SCHEDULES OF QUANTITIES

STA	DIRECTION	DESCRIPTION	URBAN RURAL	APRON MATERIAL	ENTRANCE MATERIAL	APRON AREA SQ FT	HMA SURFACE AREA SQ FT	PCC SURFACE AREA SQ FT	AVERAGE INCIDENTAL THICKNESS IN	AVERAGE AGGREGATE THICKNESS IN	40600982	40600985		40800029		40800050		48101200	
											RURAL	UREAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
											HMA SURFACE REMOVAL BUTT- JOINT SQ YD	PCC SURFACE REMOVAL BUTT- JOINT SQ YD	BITUMINOUS MATERIALS (TACK COAT) POUND	INCIDENTAL HMA SURFACING TON	AGGREGATE SHOULDERS, TYPE B TON				
201+01.11	SB	F.E. #025	RURAL	HMA	GRASS	129.65			1.875	0.750					6.48		1.51		0.31
201+64.99	NB	F.E. #026	RURAL	N/A	HMA		596.86		1.875	0.750	66.32				29.84		6.96		
214+13.70	SB	F.E. #027	RURAL	HMA	GRASS	128.25			1.875	0.750					6.41		1.50		0.31
220+62.85	NB	F.E. #028	RURAL	HMA	AGG	115.44			1.875	0.750					5.77		1.35		0.32
220+80.49	SB	F.E. #029	RURAL	HMA	AGG	150.47			1.875	0.750					7.52		1.76		0.56
221+81.36	NB	F.E. #030	RURAL	HMA	GRASS	133.23			1.875	0.750					6.66		1.55		0.31
224+06.00	SB	MBTO	RURAL	N/A	HMA	143.75			1.875	0.750					7.19		1.68		0.65
224+53.57	NB	P.E. #026	RURAL	N/A	HMA		677.80		1.875	0.750	75.31				33.89		7.91		
227+13.54	NB	P.E. #027	RURAL	N/A	AGG				1.875	0.750									2.16
227+51.17	SB	F.E. #032	RURAL	HMA	AGG	112.05			1.875	0.750					5.60		1.31		0.28
227+82.47	NB	F.E. #033	RURAL	HMA	GRASS	94.20			1.875	0.750					4.71		1.10		0.26
231+24.02	SB	C.E. #009	RURAL	HMA	AGG	114.22			1.875	0.750					5.71		1.33		2.62
233+89.86	SB	P.E. #028	RURAL	N/A	HMA		645.58		1.875	0.750	71.73				32.28		7.53		0.44
235+27.80	SB	F.E. #034	RURAL	N/A	AGG				1.875	0.750									2.72
237+93.75	SB	F.E. #035	RURAL	N/A	AGG				1.875	0.750									0.16
237+06.65	SB	F.E. #036	RURAL	N/A	AGG				1.875	0.750									0.45
243+13.89	NB	F.E. #037	RURAL	HMA	AGG	162.64			1.875	0.750					8.13		1.90		0.29
244+74.35	SB	F.E. #038	RURAL	HMA	AGG	127.09			1.875	0.750					6.35		1.48		0.31
249+87.80	SB	F.E. #039	RURAL	HMA	GRASS	108.78			1.875	0.750					5.44		1.27		0.28
251+01.25	SB	P.E. #029	RURAL	HMA	AGG	122.86			1.875	0.750					6.14		1.43		1.74
254+29.64	NB	F.E. #040	RURAL	HMA	AGG	128.53			1.875	0.750					6.43		1.50		0.29
254+50.65	SB	F.E. #041	RURAL	HMA	AGG	82.41			1.875	0.750					4.12		0.96		0.25
260+76.27	NB	F.E. #042	RURAL	HMA	GRASS	112.69			1.875	0.750					5.63		1.31		0.30
ROUNDED URBAN/RURAL TOTALS =											1,194.22	98.17	110.21	65.12	847.56	15.20	197.79	28.26	39.83
URBAN/RURAL TOTALS =											1,195.00	99.00	111.00	66.00	848.00	16.00	198.00	29.00	40.00
TOTALS =											1,195.00	210.00		914.00		214.00		69.00	

40600982 AND 40800029 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - SIDEROADS SCHEDULE

40800050 QUANTITIES CONTINUE IN INCIDENTAL HMA SURFACING - SIDEROADS AND INCIDENTAL HMA SURFACING - RAMPS SCHEDULES

	USER NAME = P1ersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	35
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -										
						SCALE:	SHEET 7	OF 14	SHEETS	STA.	TO STA.		

SCHEDULES OF QUANTITIES

TEMPORARY RAMPS SCHEDULE										
	STA	DIRECTION	URBAN RURAL	LOCATION	REASON FOR RAMP	RAISE (+) / DROPOFF (-) IN	RAMP LENGTH FT	RAMP WIDTH FT	40600990	
									URBAN	RURAL
									TEMPORARY RAMP SQ YD	
*	123+03.34	BOTH	URBAN	SOUTHERN PROJECT LIMITS	ML MILLED 3.75	-3.75	12.50	29.20	40.56	
*					ML BINDER PLACED	-1.50	5.00	29.20	40.56	
	123+37.18	SB	URBAN	E GRAND AVE	ML MILLED 3.75	-3.75	1.00	65.90	7.32	
					ML BINDER PLACED	-1.50	1.00	65.90	7.32	
	63+68.69	NB	URBAN	**E GRAND AVE	ML MILLED 3.75	-3.75	1.00	95.60	10.62	
					ML BINDER PLACED	-1.50	1.00	113.10	10.62	
	63+51.82	SB	URBAN	JEANES DR	ML MILLED 3.75	-3.75	1.00	72.80	8.09	
					ML BINDER PLACED	-1.50	1.00	72.80	8.09	
	55+02.18	SB	URBAN	I-74 EB OFF RAMP	ML MILLED 3.75	-3.75	1.00	96.10	10.68	
					ML BINDER PLACED	-1.50	1.00	96.10	10.68	
	54+80.92	NB	URBAN	I-74 EB ON RAMP	ML MILLED 3.75	-3.75	1.00	85.10	9.46	
					ML BINDER PLACED	-1.50	1.00	85.10	9.46	
*	51+54.55	BOTH	URBAN	SN 010-0089	ML MILLED 3.75	-3.75	12.50	23.30	32.36	
*					ML BINDER PLACED	-1.50	5.00	23.30	32.36	
*	48+46.94	BOTH	URBAN	SN 010-0089	ML MILLED 3.75	-3.75	12.50	23.30	32.36	
*					ML BINDER PLACED	-1.50	5.00	23.30	32.36	
	45+26.93	SB	URBAN	I-74 WB ON RAMP	ML MILLED 3.75	-3.75	1.00	85.10	9.46	
					ML BINDER PLACED	-1.50	1.00	85.10	9.46	
	45+06.03	NB	URBAN	I-74 WB OFF RAMP	ML MILLED 3.75	-3.75	1.00	94.50	10.50	
					ML BINDER PLACED	-1.50	1.00	94.50	10.50	
	36+61.93	SB	URBAN	SHORE DR	ML MILLED 3.75	-3.75	1.00	93.20	10.36	
					ML BINDER PLACED	-1.50	1.00	93.20	10.36	
	32+52.87	SB	URBAN	CHATEAU DR	ML MILLED 3.75	-3.75	1.00	93.90	10.43	
					ML BINDER PLACED	-1.50	1.00	93.90	10.43	
	55+38.81	SB	URBAN	CR 1700 N (WEST)	ML MILLED 3.75	-3.75	1.00	75.00	8.33	
					ML BINDER PLACED	-1.50	1.00	75.00	8.33	
	55+45.25	NB	URBAN	CR 1700 N (EAST)	ML MILLED 3.75	-3.75	1.00	74.00	8.22	
					ML BINDER PLACED	-1.50	1.00	74.00	8.22	
	66+60.07	NB	URBAN	HEATHER HILLS DR	ML MILLED 1.5	-1.50	1.00	103.00	11.44	
					PAVEMENT PLACED	2.00	1.00	103.00	11.44	
*	67+97.37	BOTH	URBAN	SN 010-0220	ML MILLED 3.75	-3.75	12.50	24.50	34.03	
*					ML BINDER PLACED	-1.50	5.00	24.50	34.03	
*	69+90.01	BOTH	RURAL	SN 010-0220	ML MILLED 3.75	-3.75	12.50	24.70		34.31
*					ML BINDER PLACED	-1.50	5.00	24.70		34.31
	134+07.52	NB	RURAL	CR 1850 N (EAST)	ML MILLED 1.5	-1.50	1.00	73.30		8.14
					PAVEMENT PLACED	2.00	1.00	73.30		8.14
	134+10.93	SB	RURAL	CR 1850 N (WEST)	ML MILLED 1.5	-1.50	1.00	82.20		9.13
					PAVEMENT PLACED	2.00	1.00	82.20		9.13
	187+47.27	NB	RURAL	CR 1950 N (EAST)	ML MILLED 1.5	-1.50	1.00	61.10		6.79
					PAVEMENT PLACED	2.00	1.00	61.10		6.79
	187+48.26	SB	RURAL	CR 1950 N (WEST)	ML MILLED 1.5	-1.50	1.00	63.40		7.04
					PAVEMENT PLACED	2.00	1.00	63.40		7.04
*	236+13.10	BOTH	RURAL	SN 010-0221	ML MILLED 3.75	-3.75	12.50	23.40		32.50
*					ML BINDER PLACED	-1.50	5.00	23.40		32.50
*	237+33.11	BOTH	RURAL	SN 010-0221	ML MILLED 3.75	-3.75	12.50	23.40		32.50
*					ML BINDER PLACED	-1.50	5.00	23.40		32.50
*	267+69.14	BOTH	RURAL	SOUTHERN PROJECT LIMITS	ML MILLED 3.75	-3.75	12.50	111.70		155.14
*					ML BINDER PLACED	-1.50	5.00	111.70		155.14
URBAN/RURAL TOTALS =									508.44	571.10
ROUNDED URBAN/RURAL TOTALS =									509.00	572.00
TOTAL =									1,081.00	

* 1:40 TAPER

** TEMPORARY RAMPS NOT PLACED BEHIND ISLANDS

GUTTER REMOVAL SCHEDULE				
STA	TO	STA	DIRECTION	44000400
				RURAL
				GUTTER REMOVAL
				FT
84+32.35	TO	87+39.04	NB	306.69
98+39.82	TO	101+38.00	SB	298.18
TOTAL =				604.87
ROUNDED TOTAL =				605.00

PAVEMENT REMOVAL SCHEDULE				
				44000100 RURAL
				PAVEMENT REMOVAL
STA	DIRECTION	ENTRANCE	SQ YD	
85+48.89	NB	P.E. #010	23.34	
86+69.67	NB	P.E. #012	20.59	
101+09.39	SB	P.E. #015	21.99	
TOTAL =			65.92	
ROUNDED TOTAL =			66.00	

SCHEDULES OF QUANTITIES

CLASS D PATCHES, 10 INCH SCHEDULE								
STA	ALIGNMENT	DIRECTION	LENGTH FT	WIDTH FT	AREA SQ YD	44201765		44201771
						URBAN	RURAL	URBAN
						CLASS D PATCHES TYPE II, 10 INCH		CLASS D PATCHES TYPE IV, 10 INCH
						SQ YD		SQ YD
56+41.00	3	NB	30.00	12.00	40.00			40.00
60+21.00	3	NB	6.00	12.00	8.00	8.00		
60+95.00	3	NB	6.00	12.00	8.00	8.00		
62+23.00	3	NB	6.00	12.00	8.00	8.00		
74+44.00	3	NB	6.00	12.00	8.00		8.00	
82+94.00	3	NB	6.00	12.00	8.00		8.00	
91+02.00	3	NB	6.00	12.00	8.00		8.00	
URBAN/RURAL TOTALS =						24.00	24.00	40.00
ROUNDED URBAN/RURAL TOTALS =						24.00	24.00	40.00
TOTALS =						48.00		40.00

CLASS D PATCHES, 11 INCH SCHEDULE								
STA	ALIGNMENT	DIRECTION	LENGTH FT	WIDTH FT	AREA SQ YD	44201777	44201781	44201783
						RURAL	URBAN	RURAL
						CLASS D PATCHES TYPE II, 11 INCH	CLASS D PATCHES TYPE III, 11 INCH	CLASS D PATCHES TYPE IV, 11 INCH
						SQ YD	SQ YD	SQ YD
54+15.00	3	NB	15.00	12.00	20.00		20.00	
183+60.00	3	NB	6.00	12.00	8.00	8.00		
218+75.00	3	NB	30.00	12.00	40.00			40.00
TOTALS =						8.00	20.00	40.00
ROUNDED TOTALS =						8.00	20.00	40.00

CLASS D PATCHES, 12 INCH SCHEDULE							
STA	ALIGNMENT	DIRECTION	LENGTH FT	WIDTH FT	AREA SQ YD	44201789	44201794
						URBAN	URBAN
						CLASS D PATCHES TYPE II, 12 INCH	CLASS D PATCHES TYPE III, 12 INCH
						SQ YD	SQ YD
51+82.00	2	NB	10.00	12.00	13.33	13.33	
51+82.00	2	SB	10.00	12.00	13.33	13.33	
48+31.00	2	NB	6.00	12.00	8.00	8.00	
47+45.00	2	NB	6.00	12.00	8.00	8.00	
47+45.00	2	SB	6.00	12.00	8.00	8.00	
46+32.00	2	SB	12.00	12.00	16.00		16.00
TOTALS =						50.66	16.00
ROUNDED TOTALS =						51.00	16.00

CLASS D PATCHES, 14 INCH SCHEDULE								
STA	ALIGNMENT	DIRECTION	LENGTH	WIDTH	AREA	44201815	44201819	44201821
						URBAN	URBAN	URBAN
			FT	FT	SQ YD	CLASS D PATCHES TYPE II, 14 INCH SQ YD	CLASS D PATCHES TYPE III, 14 INCH SQ YD	CLASS D PATCHES TYPE IV, 14 INCH SQ YD
43+50.00	2	SB	25.00	12.00	33.33			33.33
42+42.00	2	NB	12.00	12.00	16.00		16.00	
41+99.00	2	NB	141.00	12.00	188.00			188.00
38+98.00	2	NB	25.00	12.00	33.33			33.33
38+46.00	2	SB	8.00	12.00	10.67	10.67		
36+48.00	2	SB	8.00	12.00	10.67	10.67		
30+09.00	2	NB	20.00	12.00	26.67			26.67
TOTALS =						21.34	16.00	281.33
ROUNDED TOTALS =						22.00	16.00	282.00

CLASS D PATCHES, 15 INCH SCHEDULE								
STA	ALIGNMENT	DIRECTION	LENGTH FT	WIDTH FT	AREA SQ YD	44201827		44201831
						URBAN	RURAL	URBAN
						CLASS D PATCHES TYPE II, 15 INCH		CLASS D PATCHES TYPE III, 15 INCH
						SQ YD		SQ YD
56+56.00	3	SB	12.00	12.00	16.00			16.00
59+32.00	3	SB	6.00	12.00	8.00	8.00		
60+95.00	3	SB	6.00	12.00	8.00	8.00		
62+15.00	3	SB	6.00	12.00	8.00	8.00		
74+44.00	3	SB	6.00	12.00	8.00		8.00	
79+35.00	3	SB	6.00	12.00	8.00		8.00	
91+02.00	3	SB	6.00	12.00	8.00		8.00	
URBAN/RURAL TOTALS =						24.00	24.00	16.00
ROUNDED URBAN/RURAL TOTALS =						24.00	24.00	16.00
TOTALS =						48.00		16.00

CLASS D PATCHES , 16 INCH SCHEDULE									
STA	ALIGNMENT	DIRECTION	LENGTH	WIDTH	AREA	44201839	44201843		44201845
						RURAL	URBAN	RURAL	RURAL
						CLASS D PATCHES TYPE II, 16 INCH	CLASS D PATCHES TYPE III, 16 INCH	CLASS D PATCHES TYPE IV, 16 INCH	
			FT	FT	SQ YD	SQ YD	SQ YD		SQ YD
54+15.00	3	SB	15.00	12.00	20.00		20.00		
183+60.00	3	SB	6.00	12.00	8.00	8.00			
192+78.00	3	SB	30.00	12.00	40.00				40.00
URBAN/RURAL TOTALS =						8.00	20.00		40.00
ROUNDED URBAN/RURAL TOTALS =						8.00	20.00		40.00
TOTALS =						8.00	20.00		40.00

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FILE NAME: pw:\ltdol-pw.bentley.com\PW\DOT\Documents\DOT_Offices\District_5\Projects\0570804\CADDData\CADsheets\0570804-shr-Schedules.dgn

	USER NAME = P(PersonTJ)	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	37					
	PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 70B04									
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 9 OF 14 SHEETS	STA.	TO STA.				ILLINOIS	FED. AID PROJECT	

SCHEDULES OF QUANTITIES

GUARDRAIL SCHEDULE															
LOCATION	STA	TO	STA	LENGTH	DIRECTION	APPROACH DEPARTURE	URBAN RURAL	63000009	63000030	63100045	63100167	72501000	72501100	78200005	X6330725
								RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
				STEEL PLATE BEAM GUARDRAIL TY. A, 9 FT				STRONG POST GUARDRAIL ATTACHED TO CULVERT	TRAFFIC BARRIER TERMINAL TY. 2	TRAFFIC BARRIER TERMINAL (SPL) TY. 1 TANGENT	TERMINAL MARKER DIRECT APPLIED	TERMINAL MARKER POST MOUNTED	GUARDRAIL REFLECTORS. TY. A	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	
				FT				FT	EACH	EACH	EACH	EACH	EACH	FT	
S.N. 010-2028	135+48.31	TO	135+98.31	50.00	NB	APPROACH	RURAL				1.00	1.00		4.00	
S.N. 010-2028	135+98.31	TO	137+48.31	150.00	NB	APPROACH	RURAL	150.00							
S.N. 010-2028	137+48.31	TO	137+85.81	37.50	NB	APPROACH	RURAL		37.50						
S.N. 010-2028	137+85.81	TO	138+73.31	87.50	NB	DEPARTURE	RURAL	87.50							
S.N. 010-2028	138+73.31	TO	139+23.31	50.00	NB	DEPARTURE	RURAL				1.00	1.00			
S.N. 010-2028	136+16.13	TO	136+66.13	50.00	SB	DEPARTURE	RURAL				1.00	1.00		4.00	
S.N. 010-2028	136+66.13	TO	136+75.60	9.47	SB	DEPARTURE	RURAL								12.50
S.N. 010-2028	136+75.60	TO	136+79.64	4.04	SB	DEPARTURE	RURAL			1.00			1.00		
S.N. 010-2028	137+09.72	TO	137+13.90	4.18	SB	DEPARTURE	RURAL			1.00			1.00	4.00	
S.N. 010-2028	137+13.81	TO	137+23.30	9.49	SB	DEPARTURE	RURAL								12.50
S.N. 010-2028	137+23.30	TO	137+48.30	25.00	SB	DEPARTURE	RURAL	25.00							
S.N. 010-2028	137+48.30	TO	137+85.80	37.50	SB	APPROACH	RURAL		37.50						
S.N. 010-2028	137+85.80	TO	139+35.80	150.00	SB	APPROACH	RURAL	150.00							
S.N. 010-2028	139+35.80	TO	139+85.80	50.00	SB	APPROACH	RURAL				1.00	1.00			
URBAN/RURAL TOTALS =								412.50	75.00	2.00	4.00	4.00	2.00	12.00	25.00
ROUNDED URBAN/RURAL TOTALS =								413.00	75.00	2.00	4.00	4.00	2.00	12.00	25.00
TOTALS =								413.00	75.00	2.00	4.00	4.00	2.00	12.00	25.00

CONCRETE GUTTER, TYPE A SCHEDULE							
STA	TO	STA	LENGTH	DIRECTION	DESCRIPTION	60600095	60602500
						RURAL	RURAL
			FT			CLASS SI CONCRETE (OUTLET) CU YD	CONCRETE GUTTER, TYPE A FOOT
84+34.00	TO	84+46.00	12.00	NB	INLET	0.93	
84+46.00	TO	85+25.00	79.00	NB	GUTTER		79.00
85+25.00	TO	85+70.00	45.00	NB	ENTRANCE	7.99	
85+70.00	TO	86+50.00	80.00	NB	GUTTER		80.00
86+50.00	TO	86+92.00	42.00	NB	ENTRANCE	7.39	
86+92.00	TO	87+27.00	35.00	NB	GUTTER		35.00
87+27.00	TO	87+39.00	12.00	NB	INLET	0.93	
98+40.00	TO	98+52.00	12.00	SB	INLET	0.93	
98+52.00	TO	99+89.00	137.00	SB	GUTTER		137.00
99+89.00	TO	100+31.00	42.00	SB	ENTRANCE	7.45	
100+31.00	TO	101+26.00	95.00	SB	GUTTER		95.00
101+26.00	TO	101+38.00	12.00	SB	INLET	0.93	
TOTALS =						26.55	426.00
ROUNDED TOTALS =						26.60	426.00

GUARDRAIL REMOVAL SCHEDULE							
LOCATION	STA	TO	STA	DIRECTION	APPROACH DEPARTURE	URBAN RURAL	63200310
							RURAL
							GUARDRAIL REMOVAL FT
S.N. 010-2028	135+52.10	TO	139+05.47	NB	BOTH	RURAL	353.52
S.N. 010-2028	137+05.33	TO	139+82.04	SB	BOTH	RURAL	287.32
URBAN/RURAL TOTAL =							640.84
ROUNDED URBAN/RURAL TOTAL =							650.00
TOTAL =							650.00

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	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	38
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		SCALE:			CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SHEET 10 OF 14 SHEETS			STA. TO STA.			ILLINOIS FED. AID PROJECT	

SCHEDULES OF QUANTITIES

CENTERLINE PAVEMENT MARKING SCHEDULE																			
STA	TO	STA	LENGTH FT	URBAN RURAL	NO. LINES	COLOR	LINE TYPE	DESCRIPTION				70300150	70300221 TEMPORARY PAVEMENT MARKING LINE - 4" - PAINT			78300202	78011025		
													70300100		78001110			78000200	
			SHORT TERM PAVEMENT MARKING						SHORT TERM PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING LINE 4"	THERMOPLASTIC PAVEMENT MARKING LINE 4"		PAVEMENT MARKING REMOVAL WATER BLAST	GROOVING RECESSED PAVEMENT MARKING 5"					
			NO. LINE						NO. APPL.	FT	SQ FT		FT	YELLOW	WHITE			SQ FT	FT
66+12.00	TO	64+70.00	142.00	URBAN	4	YELLOW	QUADRUPLE SOLID	MEDIAN TRANSITION	2.00	3.00	96.00	32.00		568.00		189.33	568.00		
64+70.00	TO	63+90.00	80.00	URBAN	2	YELLOW	DOUBLE SOLID	NB LTL INSIDE	1.00	3.00	24.00	8.00		160.00		53.33	160.00		
65+00.00	TO	64+13.00	87.00	URBAN	1	WHITE	SOLID	NB RTL INSIDE	1.00	3.00	36.00	12.00			87.00	29	87.00		
64+70.00	TO	63+90.00	80.00	URBAN	1	WHITE	SOLID	NB LTL OUTSIDE	1.00	3.00	24.00	8.00			80.00	26.67	80.00		
63+40.00	TO	62+50.00	90.00	URBAN	2	YELLOW	DOUBLE SOLID	SB LTL INSIDE	1.00	3.00	36.00	12.00		180.00		60	180.00		
63+40.00	TO	62+50.00	90.00	URBAN	1	WHITE	SOLID	SB LTL OUTSIDE	1.00	3.00	36.00	12.00			90.00	30	90.00		
62+50.00	TO	59+60.00	290.00	URBAN	4	YELLOW	QUADRUPLE SOLID	MEDIAN TRANSITION	2.00	3.00	192.00	64.00		1,160.00		386.67	1,160.00		
59+60.00	TO	51+54.55	805.45	URBAN	2	YELLOW	DOUBLE SOLID	NO PASSING ZONE	1.00	3.00	252.00	84.00	1,610.90			536.97			
S.N. 010-0089 OMISSION E-E APPROACH SLABS																			
48+46.94	TO	48+35.00	11.94	URBAN	2	YELLOW	DOUBLE SOLID	NO PASSING ZONE	1.00	3.00	12.00	4.00	23.88			7.96			
48+35.00	TO	35+35.00	1,300.00	URBAN	2	YELLOW	SOLID + SKIP-DASH	SB NO PASSING ZONE	1.00	3.00	396.00	132.00	1,333.00			444.33			
35+35.00	TO	29+28.78	606.22	URBAN	1	YELLOW	SKIP-DASH		1.00	3.00	192.00	64.00	160.00			53.33			
STA. EQN. STA. 45+61.26 (AH) = STA. 29+28.78 (BK)																			
45+61.26	TO	67+97.37	2,236.11	URBAN	1	YELLOW	SKIP-DASH		1.00	3.00	672.00	224.00	560.00			186.67			
S.N. 010-0220 OMISSION E-E APPROACH SLABS																			
69+90.01	TO	214+23.90	14,433.89	RURAL	1	YELLOW	SKIP-DASH		1.00	3.00	4,332.00	1,444.00	3,610.00			1203.33			
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)																			
214+22.26	TO	236+13.10	2,190.84	RURAL	1	YELLOW	SKIP-DASH		1.00	3.00	660.00	220.00	550.00			183.33			
S.N. 010-0221 OMISSION E-E DECK RURAL																			
237+33.11	TO	267+69.14	3,036.03	RURAL	1	YELLOW	SKIP-DASH		1.00	3.00	912.00	304.00	760.00			253.33			
COLOR TOTALS =											-	-	-	2,068.00	257.00	-	-		
ROUNDED URBAN TOTALS =											1,968.00	656.00	3,688.00	2,325.00		2,005.00	2,325.00		
ROUNDED RURAL TOTALS =											5,904.00	1,968.00	4,920.00			1,640.00			
TOTALS =											7,872.00	2,624.00	8,608.00	2,325.00		3,645.00	2,325.00		

70300100, 70300150, 70300221, 78000200, 78001110, AND 78011025 QUANTITIES CONTINUE IN NB & SB EDGE OF PAVEMENT MARKING SCHEDULES
78300202 QUANTITIES CONTINUE IN NB & SB EDGE OF PAVEMENT MARKING, PAVEMENT MARKING LETTER & SYMBOL, 12" PAVEMENT MARKING, ISLAND PAVEMENT MARKINGS, AND 24" PAVEMENT MARKING SCHEDULES

PAVEMENT MARKING LETTER & SYMBOL SCHEDULE					
STA	LOCATION	70300211	78000100	78011000	78300202
		URBAN	URBAN	URBAN	URBAN
		TEMPORARY PAVEMENT MARKING LETTER & SYMBOL PAINT	THERMOPLASTIC PAVEMENT MARKING LETTER & SYMBOL	GROOVING RECESSED PAVEMENT MARKING LETTER & SYMBOL	PAVEMENT REMOVAL WATER BLAST
		SQ FT	SQ FT	SQ FT	SQ FT
65+00.00	NB RTL	15.6	15.6	15.6	15.6
64+70.00	NB LTL	15.6	15.6	15.6	15.6
64+31.00	NB RTL	15.6	15.6	15.6	15.6
64+08.00	NB LTL	15.6	15.6	15.6	15.6
63+22.00	SB LTL	15.6	15.6	15.6	15.6
62+50.00	SB LTL	15.6	15.6	15.6	15.6
TOTALS =		93.6	93.6	93.6	93.6
ROUNDED TOTALS =		94.00	94.00	94.00	94.00

78300202 QUANTITIES CONTINUE INCENTERLINE PAVEMENT MARKING, NB & SB EDGE OF PAVEMENT MARKING, 12" PAVEMENT MARKING, ISLAND PAVEMENT MARKINGS, AND 24" PAVEMENT MARKING SCHEDULES

12" PAVEMENT MARKING SCHEDULE							
STA	TO	STA	SPACING FT	70300261	78000600	78300202	78011065
				URBAN	URBAN	URBAN	URBAN
				TEMPORARY PAVEMENT MARKING LINE 12" PAINT	THERMO. PAVEMENT MARKING LINE 12"	PAVEMENT REMOVAL WATER BLAST	GROOVING RECESSED PAVEMENT MARKING 13"
				FT	FT	SQ FT	FT
66+12.00	TO	64+70.00	15.00	56.06	56.06	56.06	56.06
62+50.00	TO	59+60.00	20.00	100.03	100.03	100.03	100.03
TOTALS =				156.09	156.09	156.09	156.09
ROUNDED TOTALS =				157.00	157.00	157.00	157.00

70300261, 78000600, AND 78011065 QUANTITIES CONTINUE IN ISLAND PAVEMENT MARKINGS SCHEDULE
78300202 QUANTITIES CONTINUE INCENTERLINE PAVEMENT MARKING, NB & SB EDGE OF PAVEMENT MARKING, PAVEMENT MARKING LETTER & SYMBOL, ISLAND PAVEMENT MARKINGS, AND 24" PAVEMENT MARKING SCHEDULES

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	USER NAME = PiersontJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	39
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 11 OF 14 SHEETS		STA.		TO STA.						

SCHEDULES OF QUANTITIES

NB EDGE OF PAVEMENT MARKING SCHEDULE												
STA	TO	STA	LENGTH FT	URBAN RURAL	70300100		70300150	70300221	78001110	78000200	78300202	78011025
					SHORT TERM PAVEMENT MARKING		SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING LINE 4" PAINT	PAINT PAVEMENT MARKING LINE 4"	THERMO. PAVEMENT MARKING LINE 4"	PAVEMENT MARKING REMOVAL WATER BLAST	GROOVING RECESSED PAVEMENT MARKING 5"
					NO. APP.	FT	SQ FT	FT	FT	FT	SQ FT	FT
123+03.34	TO	123+66.75	63.41	URBAN				63.41		63.41	21.14	63.41
STA EQN: STA 66+12.73 (AH) = STA 123+66.75 (BK)												
66+12.73	TO	64+13.00	199.73	URBAN				199.73		199.73	66.58	199.73
OMISSION - E GRAND AVE												
63+41.50	TO	63+23.00	18.50	URBAN				18.50		18.50	6.17	18.50
OMISSION - E GRAND AVE												
62+35.00	TO	59+60.00	275.00	URBAN				275.00		275.00	91.67	275.00
59+60.00	TO	56+55.48	304.52	URBAN				304.52	304.52		101.51	
56+55.48	TO	55+46.50	108.98	URBAN	2.00	16.00	5.33	108.98	108.98		36.33	
OMISSION - I-74 EB ON RAMP												
54+47.50	TO	51+54.57	292.93	URBAN	2.00	24.00	8.00	292.93	292.93		97.64	
S.N. 010-0089 OMISSION E-E APPROACH SLABS												
48+46.80	TO	45+73.50	273.30	URBAN	2.00	24.00	8.00	273.30	273.30		91.10	
OMISSION - I-74 WB OFF RAMP												
44+41.82	TO	43+72.22	69.60	URBAN	2.00	16.00	5.33	69.60	69.60		23.20	
43+72.22	TO	29+28.78	1,443.44	URBAN				1,443.44	1,443.44		481.15	
STA. EQN. STA. 45+61.26 (AH) = STA. 29+28.78 (BK)												
45+61.26	TO	55+10.20	948.94	URBAN				948.94	948.94		316.31	
OMISSION - CR 1700 N												
55+91.99	TO	65+97.79	1,005.80	URBAN				1,005.80	1,005.80		335.27	
OMISSION - HEATHER HILL DR												
67+00.80	TO	67+99.41	98.61	URBAN				98.61	98.61		32.87	
S.N. 010-0220 OMISSION E-E APPROACH SLABS												
69+92.08	TO	133+69.88	6,377.80	RURAL				6,377.80	6,377.80		2,125.93	
OMISSION - CR 1850 N												
134+43.19	TO	187+15.07	5,271.88	RURAL				5,271.88	5,271.88		1,757.29	
OMISSION - CR 1950 N												
187+76.25	TO	236+10.67	4,834.42	RURAL				4,834.42	4,834.42		1,611.47	
S.N. 010-0221 OMISSION E-E DECK												
237+30.58	TO	267+69.14	3,038.56	RURAL				3,038.56	3,038.56		1,012.85	
NORTHBOUND URBAN TOTALS =					80.00		26.66	5,102.76	4,546.12	556.64	1,700.94	556.64
NORTHBOUND RURAL TOTALS =								19,522.66	19,522.66		6,507.54	
NORTHBOUND TOTALS =					80.00		26.66	24,625.42	24,068.78	556.64	8,208.48	556.64

ISLAND PAVEMENT MARKINGS SCHEDULE							
LOCATION	70300241	70300261	78000400	78000600	78300202	78011035	78011065
	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
	TEMPORARY PAVEMENT MARKING LINE 6" PAINT	TEMPORARY PAVEMENT MARKING LINE 12" PAINT	THERMO. PAVEMENT MARKING LINE 6"	THERMO. PAVEMENT MARKING LINE 12"	PAVEMENT MARKING REMOVAL WATER BLAST	GROOVING RECESSED PAVEMENT MARKING 7"	GROOVING RECESSED PAVEMENT MARKING 13"
	FT	FT	FT	FT	SQ FT	FT	FT
I-74 EB OFF RAMP	167.00	116.00	167.00	116.00	199.50	167.00	116.00
I-74 WB OFF RAMP	151.00	79.00	151.00	79.00	154.50	151.00	79.00
TOTALS =	318.00	195.00	318.00	195.00	354.00	318.00	195.00

70300261, 78000600, AND 78011065 QUANTITIES CONTINUE IN 12" PAVEMENT MARKING SCHEDULE
78300202 QUANTITIES CONTINUE INCENTERLINE PAVEMENT MARKING, NB & SB EDGE OF PAVEMENT MARKING, PAVEMENT MARKING LETTER & SYMBOL, 12" PAVEMENT MARKING, AND 24" PAVEMENT MARKING SCHEDULES

SB EDGE OF PAVEMENT MARKING SCHEDULE												
STA	TO	STA	LENGTH FT	URBAN RURAL	70300100		70300150	70300221	78001110	78000200	78300202	78011025
					SHORT TERM PAVEMENT MARKING		SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING LINE 4" PAINT	PAINT PAVEMENT MARKING LINE 4"	THERMO. PAVEMENT MARKING LINE 4"	PAVEMENT MARKING REMOVAL WATER BLAST	GROOVING RECESSED PAVEMENT MARKING 5"
					NO. APP.	FT	SQ FT	FT	FT	FT	SQ FT	FT
65+98.50	TO	63+89.75	208.75	URBAN				208.75		208.75	69.58	208.75
OMISSION - JEANES DR												
63+16.00	TO	56+17.89	698.11	URBAN				698.11		698.11	232.70	698.11
56+17.89	TO	55+88.50	29.39	URBAN	2	16.00	5.33	29.39		29.39	9.80	29.39
OMISSION - I-74 EB OFF RAMP												
54+22.13	TO	51+54.46	267.67	URBAN	2	24.00	8.00	267.67		267.67	89.22	267.67
S.N. 010-0089 OMISSION E-E APPROACH SLABS												
48+47.31	TO	45+64.30	283.01	URBAN	2	24.00	8.00	283.01	283.01		94.34	
OMISSION - I-74 WB ON RAMP												
44+70.03	TO	43+74.39	95.64	URBAN	2	16.00	5.33	95.64	95.64		31.88	
43+74.39	TO	37+07.84	666.55	URBAN				666.55	666.55		222.18	
OMISSION - SHORE DR												
36+15.27	TO	32+95.73	319.54	URBAN				319.54	319.54		106.51	
OMISSION - CHATEAU DR												
32+02.66	TO	29+28.78	273.88	URBAN				273.88	273.88		91.29	
STA. EQN. STA. 45+61.26 (AH) = STA. 29+28.78 (BK)												
45+61.26	TO	55+04.47	943.21	URBAN				943.21	943.21		314.40	
OMISSION - CR 1700 N												
55+86.05	TO	67+95.38	1,209.33	URBAN				1,209.33	1,209.33		403.11	
S.N. 010-0220 OMISSION E-E APPROACH SLABS												
69+88.03	TO	133+69.65	6,381.62	RURAL				6,381.62	6,381.62		2,127.21	
OMISSION - CR 1850 N												
134+51.82	TO	187+16.85	5,265.03	RURAL				5,265.03	5,265.03		1,755.01	
OMISSION - CR 1950 N												
187+80.19	TO	236+15.54	4,835.35	RURAL				4,835.35	4,835.35		1,611.78	
S.N. 010-0221 OMISSION E-E DECK												
237+35.53	TO	267+69.14	3,033.61	RURAL				3,033.61	3,033.61		1,011.20	
SOUTHBOUND URBAN TOTALS =					80.00		26.66	4,995.08	3,791.16	1,203.92	1,665.01	1,203.92
SOUTHBOUND RURAL TOTALS =								19,515.61	19,515.61		6,505.20	
SOUTHBOUND TOTALS =					80.00		26.66	24,510.69	23,306.77	1,203.92	8,170.21	1,203.92
ROUNDED URBAN TOTALS =					160.00		54.00	10,098.00	8,338.00	1,761.00	3,366.00	1,761.00
ROUNDED RURAL TOTALS =								39,039.00	39,039.00		13,013.00	
ROUNDED TOTALS =					160.00		54.00	49,137.00	47,377.00	1,761.00	16,379.00	1,761.00

70300100, 70300150, 70300221, 78000200, 78001110, AND 78011025 QUANTITIES CONTINUE IN CENTERLINE PAVEMENT MARKING SCHEDULE
78300202 QUANTITIES CONTINUE INCENTERLINE PAVEMENT MARKING, PAVEMENT MARKING LETTER & SYMBOL, 12" PAVEMENT MARKING, ISLAND PAVEMENT MARKINGS, AND 24" PAVEMENT MARKING SCHEDULES

24 " PAVEMENT MARKING SCHEDULE										
STA	DIRECTION	DESCRIPTION	70300281		78000650		78300202		78011125	
			URBAN	RURAL	URBAN	RURAL	URBAN	RURAL	URBAN	RURAL
			TEMPORARY PAVEMENT MARKING - LINE 24" PAINT		THERMO. PAVEMENT MARKING - LINE 24"		PAVEMENT MARKING REMOVAL WATER BLAST		GROOVING RECESSED PAVEMENT MARKING 25"	
			FT		FT		SQ FT		FT	
55+08.68	SB	I-74 EB OFF RAMP RT TURN	18.00		18.00		36.00		18.00	
54+68.69	SB	I-74 EB OFF RAMP LT TURN	14.00		14.00		28.00		14.00	
45+37.83	NB	I-74 WB OFF RAMP LT TURN	19.00		19.00		38.00		19.00	
44+95.61	NB	I-74 WB OFF RAMP RT TURN	14.00		14.00		28.00		14.00	
267+40.00	NB	ROYAL ROAD INTERSECTION		16.00		16.00		32.00		16.00
URBAN/RURAL TOTALS =			65.00	16.00	65.00	16.00	130.00	32.00	65.00	16.00
TOTALS =			81.00		81.00		162.00		81.00	

78300202 QUANTITIES CONTINUE INCENTERLINE PAVEMENT MARKING, NB & SB EDGE OF PAVEMENT MARKING, PAVEMENT MARKING LETTER & SYMBOL, 12" PAVEMENT MARKING, AND ISLAND PAVEMENT MARKINGS SCHEDULES

SCHEDULES OF QUANTITIES

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE											
									7810C100		
									URBAN	RURAL	URBAN
									TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER		ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER
									EACH		EACH
LOCATION	STA	TO	STA	LENGTH FT	URBAN RURAL	SPACING FT	NUMBER	COLOR			
	MEDIAN	66+12.00	TO 64+70.00	142.00	URBAN	40.00	2.00	AMBER	8.00		
	MEDIAN	64+70.00	TO 63+90.00	80.00	URBAN	40.00	2.00	AMBER	6.00		
NB	LT. TURN LANE	64+70.00	TO 63+90.00	80.00	URBAN	40.00	1.00	CRYSTAL			3.00
NB	RT. TURN LANE	65+00.00	TO 64+13.00	87.00	URBAN	40.00	1.00	CRYSTAL			3.00
SB	LT. TURN LANE	63+40.00	TO 62+50.00	90.00	URBAN	40.00	1.00	CRYSTAL			3.00
	MEDIAN	63+40.00	TO 62+50.00	90.00	URBAN	40.00	2.00	AMBER	6.00		
*	EDGE OF PAVEMENT	62+50.00	TO 55+67.06	682.94	URBAN	40.00	2.00	AMBER	38.00		
	MEDIAN	62+50.00	TO 59+60.00	290.00	URBAN	40.00	2.00	AMBER	16.00		
**	CENTERLINE	59+60.00	TO 55+67.06	392.94	URBAN	40.00	2.00	AMBER	20.00		
**	CENTERLINE	55+67.06	TO 51+54.55	412.51	URBAN	80.00	2.00	AMBER	10.00		
S.N. 010-0089 OMISSION E-E APPROACH SLABS											
	CENTERLINE	48+46.94	TO 40+43.74	803.20	URBAN	80.00	1.00	AMBER	10.00		
*	EDGE OF PAVEMENT	40+43.74	TO 30+55.64	988.10	URBAN	40.00	2.00	AMBER	52.00		
	CENTERLINE	40+43.74	TO 30+55.64	988.10	URBAN	40.00	1.00	AMBER	26.00		
	CENTERLINE	30+55.64	TO 29+28.78	126.86	URBAN	80.00	1.00	AMBER	1.00		
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)											
	CENTERLINE	45+61.26	TO 67+97.37	2,236.11	URBAN	80.00	1.00	AMBER	28.00		
S.N. 010-0220 OMISSION E-E APPROACH SLABS											
	CENTERLINE	69+90.01	TO 214+23.90	14,433.89	RURAL	80.00	1.00	AMBER		182.00	
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)											
	CENTERLINE	214+22.26	TO 236+13.10	2,190.84	RURAL	80.00	1.00	AMBER		27.00	
S.N. 010-0221 OMISSION E-E DECK											
	CENTERLINE	237+33.11	TO 267+69.14	3,036.03	RURAL	80.00	1.00	AMBER		39.00	
									TOTALS =	221.00	248.00 9.00
									TOTALS =	478.00	

* RAISED REFLECTIVE PAVEMENT MARKERS PLACED ON HORIZONTAL CURVE AT EDGE OF PAVEMENT
** DOUBLE RAISED REFLECTIVE PAVEMENT MARKERS PLACED FOR NO PASSING ZONE

GUTTER REMOVAL SCHEDULE				
STA	TO	STA	DIRECTION	44000400
				RURAL
				GUTTER REMOVAL FT
84+32.35	TO	87+39.04	NB	306.69
98+39.82	TO	101+38.00	SB	298.18
TOTAL =				604.87
ROUNDED TOTAL =				605.00

FOAM, EXPANDING POLYURETHANE, HIGH- DENSITY SCHEDULE			
STA	TO	STA	X0326223
			URBAN
			FOAM, EXPANDING POLYURETHANE HIGH-DENSITY POUND
69+59.99	TO	69+90.01	2,200.00
TOTAL =			2,200.00

SURVEY MARKER, TYPE 2 (SPECIAL) SCHEDULE				
			XZ193400	
			URBAN	RURAL
			SURVEY MARKER, TYPE 2 (SPECIAL)	
STA	OFFSET FT	DESCRIPTION	EACH	
123+66.75 / 66+12.73	0.00	STA EQ	1.00	
55+67.06	0.00	PC	1.00	
40+43.74	0.00	PT	1.00	
30+55.64	0.00	PC	1.00	
29+28.78 / 45+61.26	0.00	STA EQ	1.00	
55+45.25	0.00	KINK	1.00	
82+05.40	0.00	KINK		1.00
106+43.87	3.85	PI		1.00
113+09.62	2.45 LT	PI		1.00
134+08.55	0.00	KINK		1.00
187+51.06	0.00	KINK		1.00
214+23.90 BK / 214+22.26 AH	0.00	STA EQ		1.00
242+90.20	0.00	KINK		1.00
254+38.94	0.00	KINK		1.00
URBAN/RURAL TOTAL =			6.00	8.00
TOTAL =			14.00	

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SCHEDULES OF QUANTITIES

NB AGGREGATE SHOULDERS (SPECIAL) SCHEDULE								
STA	TO	STA	LENGTH FT	WIDTH FT	AVERAGE THICKNESS IN	URBAN RURAL	X4811900	
							URBAN	RURAL
							AGGREGATE SHOULDERS (SPECIAL) TON	
123+21.35	TO	123+30.42	9.07	2.00	1.50	URBAN	0.14	
123+42.42	TO	123+66.75	24.33	2.00	1.50	URBAN	0.41	
STA EQN. STA 66+12.73 (AH) = STA 123+66.75 (BK)								
66+12.73	TO	64+21.63	191.10	2.00	1.50	URBAN	3.19	
62+50.71	TO	56+55.22	595.49	2.00	1.50	URBAN	9.92	
54+47.53	TO	51+54.55	292.98	2.00	2.25	URBAN	7.33	
S.N. 010-0089 OMISSION E-E APPROACH SLABS								
48+46.94	TO	45+73.90	273.04	2.00	2.25	URBAN	6.82	
44+08.92	TO	43+72.56	36.36	2.00	2.25	URBAN	0.90	
43+72.56	TO	29+33.92	1,438.64	2.00	2.25	URBAN	35.96	
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)								
55+92.18	TO	59+02.87	310.69	3.00	2.25	URBAN	11.65	
59+57.89	TO	62+91.88	333.99	3.00	2.25	URBAN	12.53	
63+45.36	TO	66+02.41	257.05	3.00	2.25	URBAN	9.65	
66+95.93	TO	67+99.80	103.87	3.00	2.25	URBAN	3.89	
S.N. 010-0220 OMISSION E-E APPROACH SLABS								
69+92.48	TO	79+47.06	954.58	3.00	2.25	RURAL		35.80
79+70.06	TO	80+87.31	117.25	3.00	2.25	RURAL		4.39
81+65.51	TO	82+21.71	56.20	3.00	2.25	RURAL		2.11
82+56.60	TO	82+91.88	35.28	3.00	2.25	RURAL		1.31
83+29.32	TO	84+33.90	104.58	3.00	2.25	RURAL		3.92
87+36.90	TO	91+31.28	394.38	3.00	2.25	RURAL		14.80
91+70.14	TO	107+27.09	1,556.95	3.00	2.25	RURAL		58.39
107+54.53	TO	120+56.52	1,301.99	3.00	2.25	RURAL		48.82
120+89.14	TO	122+11.00	121.86	3.00	2.25	RURAL		4.57
122+49.65	TO	122+79.14	29.49	3.00	2.25	RURAL		1.10
123+18.46	TO	133+72.90	1,054.44	3.00	2.25	RURAL		39.55
134+37.68	TO	140+82.69	645.01	3.00	2.25	RURAL		24.19
141+16.77	TO	142+56.92	140.15	3.00	2.25	RURAL		5.26
142+86.88	TO	143+27.89	41.01	3.00	2.25	RURAL		1.53
143+62.32	TO	147+48.51	386.19	3.00	2.25	RURAL		14.49
147+87.76	TO	160+61.53	1,273.77	3.00	2.25	RURAL		47.77
161+03.89	TO	174+25.81	1,321.92	3.00	2.25	RURAL		49.57
174+61.60	TO	187+14.66	1,253.06	3.00	2.25	RURAL		47.00
187+75.14	TO	188+07.39	32.25	3.00	2.25	RURAL		1.21
188+34.73	TO	193+81.53	546.80	3.00	2.25	RURAL		20.50
194+13.82	TO	201+46.32	732.50	3.00	2.25	RURAL		27.47
201+81.11	TO	214+23.90	1,242.79	3.00	2.25	RURAL		46.60
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)								
214+22.26	TO	220+44.33	622.07	3.00	2.25	RURAL		23.33
220+80.10	TO	221+63.28	83.18	3.00	2.25	RURAL		3.11
221+98.25	TO	224+32.40	234.15	3.00	2.25	RURAL		8.78
224+73.75	TO	226+96.68	222.93	3.00	2.25	RURAL		8.35
227+32.38	TO	227+72.16	39.78	3.00	2.25	RURAL		1.49
227+99.10	TO	236+09.09	809.99	3.00	2.25	RURAL		30.37
S.N. 010-0221 OMISSION E-E DECK								
237+29.06	TO	237+75.99	46.93	3.00	2.25	RURAL		1.76
238+10.40	TO	242+96.12	485.72	3.00	2.25	RURAL		18.22
243+32.02	TO	254+11.11	1,079.09	3.00	2.25	RURAL		40.46
254+46.12	TO	260+58.13	612.01	3.00	2.25	RURAL		22.95
260+91.89	TO	267+69.14	677.25	3.00	2.25	RURAL		25.40
NORTHBOUND URBAN/RURAL ROUNDED TOTALS =							102.39	684.57
NORTHBOUND URBAN/RURAL TOTALS =							103.00	685.00
NORTHBOUND TOTALS =							788.00	

SB AGGREGATE SHOULDERS (SPECIAL) SCHEDULE								
STA	TO	STA	LENGTH	WIDTH	AVERAGE THICKNESS	URBAN	X4811900	
							URBAN	RURAL
			FT	FT	IN	RURAL	AGGREGATE SHOULDERS (SPECIAL)	TON
65+99.64	TO	63+87.68	211.96	2.00	1.50	URBAN	3.53	
63+21.22	TO	56+17.63	703.59	2.00	1.50	URBAN	11.72	
56+17.63	TO	55+88.31	29.32	2.00	2.25	URBAN	0.74	
54+34.18	TO	51+54.55	279.63	2.00	2.25	URBAN	6.98	
S.N. 010-0089 OMISSION E-E APPROACH SLABS								
48+47.63	TO	45+65.03	282.60	2.00	2.25	URBAN	7.07	
44+24.49	TO	43+74.05	50.44	2.00	2.25	URBAN	1.26	
43+74.28	TO	37+01.77	672.51	2.00	2.25	URBAN	16.81	
36+15.49	TO	32+94.09	321.40	2.00	2.25	URBAN	8.03	
32+02.34	TO	29+34.09	268.25	2.00	2.25	URBAN	6.71	
STA EQN. STA 45+61.26 (AH) = STA 29+28.78 (BK)								
55+86.46	TO	56+89.56	103.10	3.00	2.25	URBAN	3.87	
57+40.58	TO	58+81.83	141.25	3.00	2.25	URBAN	5.29	
59+49.01	TO	62+43.71	294.70	3.00	2.25	URBAN	11.05	
62+81.68	TO	67+95.03	513.35	3.00	2.25	URBAN	19.24	
S.N. 010-0220 OMISSION E-E APPROACH SLABS								
69+87.55	TO	81+74.28	1,186.73	3.00	2.25	RURAL		44.50
82+81.83	TO	83+17.48	35.65	3.00	2.25	RURAL		1.33
83+55.63	TO	84+97.99	142.36	3.00	2.25	RURAL		5.35
85+37.39	TO	85+73.67	36.28	3.00	2.25	RURAL		1.37
86+18.20	TO	92+46.56	628.36	3.00	2.25	RURAL		23.56
93+20.37	TO	96+29.02	308.65	3.00	2.25	RURAL		11.57
96+87.90	TO	98+42.16	154.26	3.00	2.25	RURAL		5.78
101+36.15	TO	102+33.02	96.87	3.00	2.25	RURAL		3.64
103+04.12	TO	107+71.35	467.23	3.00	2.25	RURAL		17.51
108+29.10	TO	109+79.63	150.53	3.00	2.25	RURAL		5.65
110+05.86	TO	110+32.29	26.43	3.00	2.25	RURAL		0.99
110+77.59	TO	113+49.11	271.52	3.00	2.25	RURAL		10.19
113+82.64	TO	120+75.52	692.88	3.00	2.25	RURAL		25.99
121+06.04	TO	122+62.45	156.41	3.00	2.25	RURAL		5.87
123+08.49	TO	133+78.24	1,069.75	3.00	2.25	RURAL		40.12
134+47.36	TO	142+33.45	786.09	3.00	2.25	RURAL		29.48
142+80.56	TO	144+08.13	127.57	3.00	2.25	RURAL		4.79
144+99.57	TO	147+13.44	213.87	3.00	2.25	RURAL		8.03
147+49.33	TO	148+45.87	96.54	3.00	2.25	RURAL		3.62
149+06.78	TO	149+43.33	36.55	3.00	2.25	RURAL		1.37
149+79.22	TO	160+61.52	1,082.30	3.00	2.25	RURAL		40.59
160+99.72	TO	173+88.47	1,288.75	3.00	2.25	RURAL		48.33
174+68.15	TO	182+61.89	793.74	3.00	2.25	RURAL		29.77
182+99.68	TO	183+69.76	70.08	3.00	2.25	RURAL		2.63
184+07.47	TO	184+54.02	46.55	3.00	2.25	RURAL		1.75
184+89.06	TO	185+07.20	18.14	3.00	2.25	RURAL		0.68
185+41.57	TO	187+21.03	179.46	3.00	2.25	RURAL		6.73
187+78.86	TO	200+82.55	1,303.69	3.00	2.25	RURAL		48.89
201+19.59	TO	213+95.48	1,275.89	3.00	2.25	RURAL		47.84
STA EQN. STA 214+22.26 (AH) = STA 214+23.90 (BK)								
214+30.39	TO	220+51.60	621.21	3.00	2.25	RURAL		23.29
221+05.23	TO	223+85.93	280.70	3.00	2.25	RURAL		10.53
224+24.04	TO	227+32.49	308.45	3.00	2.25	RURAL		11.57
227+68.65	TO	231+05.91	337.26	3.00	2.25	RURAL		12.65
231+41.93	TO	233+42.55	200.62	3.00	2.25	RURAL		7.52
234+04.01	TO	235+19.64	115.63	3.00	2.25	RURAL		4.34
235+36.77	TO	236+16.97	80.20	3.00	2.25	RURAL		3.01
S.N. 010-0221 OMISSION E-E DECK								
237+37.09	TO	237+87.33	50.24	3.00	2.25	RURAL		1.89
237+99.74	TO	244+54.41	654.67	3.00	2.25	RURAL		24.55
244+91.45	TO	249+70.93	479.48	3.00	2.25	RURAL		17.98
250+03.81	TO	250+81.71	77.90	3.00	2.25	RURAL		2.92
251+15.90	TO	254+40.24	324.34	3.00	2.25	RURAL		12.17
254+65.77	TO	267+69.14	1,303.37	3.00	2.25	RURAL		48.87
SOUTHBOUND URBAN/RURAL ROUNDED TOTALS =							102.30	659.21
SOUTHBOUND URBAN/RURAL TOTALS =							103.00	660.00
SOUTHBOUND TOTALS =							763.00	
URBAN/RURAL TOTALS =							206.00	1,345.00
TOTALS =							1,551.00	

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		DRAWN -	REVISED -
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	PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.S. RTE.

FAS 516 CENTERLINE CONTROL POINTS

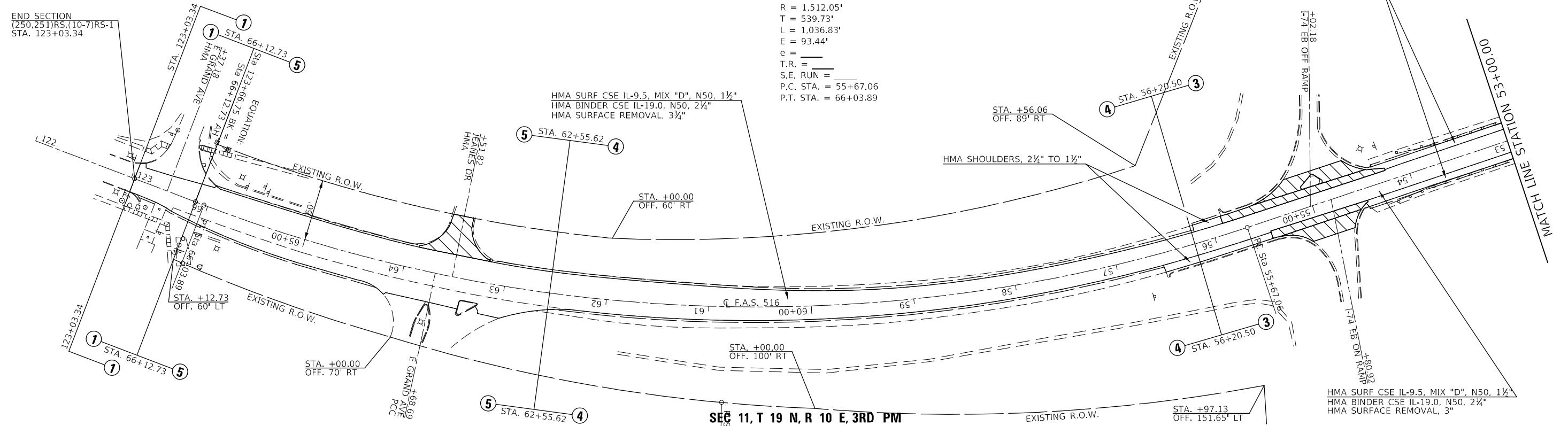
POINT NO	NORTHING	EASTING	STATION	OFFSET	CODE	DESCRIPTION	EXISTING	PROPOSED
1	1255914.904	1065814.127	117+93.31	0.00	832	POT	MAG NAIL	
49/52	1256488.332	1065810.425	123+66.75/66+12.73	0.00	832	STA EQ	MAG NAIL	TYPE II
69/68	1259661.748	1064154.576	29+28.78/45+61.26	0.00	820	STA EQ	MAG NAIL	TYPE II
PC 70	1259534.894	1064156.081	30+55.64	0.00	816	PC	MAG NAIL	TYPE II
PT 70	1258625.166	1064490.238	40+43.74	0.00	835	PT	MAG NAIL	TYPE II
PC 47	1257452.419	1065462.425	55+67.06	0.00	816	PC	MAG NAIL	TYPE II
16	1260615.737	1064151.199	55+45.25	0.00	820	KINK	DISK	TYPE II
19	1263305.875	1064145.494	82+05.40	0.00	820	KINK	MAG NAIL	TYPE II
54	1265744.334	1064139.226	106+43.87	3.85	820	PI	MAG NAIL	TYPE II
55	1266409.251	1064103.323	113+09.62	2.45LT	820	PI	MAG NAIL	TYPE II
28	1268508.059	1064075.198	134+08.55	0.00	820	KINK	DISK	TYPE II
56	1273850.175	1064010.321	187+51.06	0.00	820	KINK	MAG NAIL	TYPE II
64/65	1276522.920	1063988.342	214+23.90 BK/214+22.26 AH	0.00	820	STA EQ	DISK	TYPE II
63	1279390.814	1063972.369	242+90.20	0.00	820	KINK	DISK	TYPE II
59	1280539.528	1063964.046	254+38.94	0.00	820	KINK	MAG NAIL	TYPE II
60	1281881.267	1063952.430	267+80.73	0.00	803	INT	MAG NAIL	

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	USER NAME = PlersonTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROL POINTS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	43
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70B04				
	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

HMA SURFACE REMOVAL SPECIAL
& INCIDENTAL HMA SURFACING

EXIST. CURVE FAS516_2_6
PI STA. = 61+06.79
 $\Delta = 39^\circ 17' 18''$ (RT)
D = $3^\circ 47' 21''$
R = 1,512.05'
T = 539.73'
L = 1,036.83'
E = 93.44'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 55+67.06
P.T. STA. = 66+03.89

 HMA SURFACE REMOVAL SPECIAL
& INCIDENTAL HMA SURFACING

BEGIN OMISSION
STA. 51+54.55

STATEMENT TRANSITION

END OMISSION
STA. 48+46.94

BEGIN PAVEMENT TRANSITION
STA 48+46.94

END PAVEMENT TRANSITION
STA 48+31.94

BEGIN PAVEMENT TRANSITION
STA 51+69.55

MATCH LINE STATION 53+00.00

HMA SURF CSE IL-9.5, MIX "D", N50, 1½"
HMA BINDER CSE IL-19.0, N50, 2¼"
HMA SURFACE REMOVAL, 3"

HMA SURF CSE IL-9.5, MIX "D", N50, 1½"
HMA BINDER CSE IL-19.0, N50, 2¼"
HMA SURFACE REMOVAL, 3"

HMA SURF CSE IL-9.5, MIX "D", N50, 1½"
HMA BINDER CSE IL-19.0, N50, 2¼"
HMA SURFACE REMOVAL, 3¾"

STA. +00.00
OFF. 80' LT

EXISTING R.O.W.
STA. +96.39
OFF. 159.29' RT

EXISTING R.O.W

STA. +15.24
OFF. 112.11' L

③ — STA. 43+80.00 — ②

EXISTING R.O.W.

38+00.00

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAS 516 (ST JOSEPH RD) PLAN SHEETS

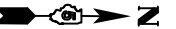
SCALE: 1" = 50'	SHEET 1 OF 9 SHEETS	STA. 122+00.00 TO STA. 38+00.00
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	44
		CONTRACT NO. 70B04		
		ILLINOIS FED. AID PROJECT		

ILLINOIS	FED. AID PROJECT
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➡ 9 ➡ N

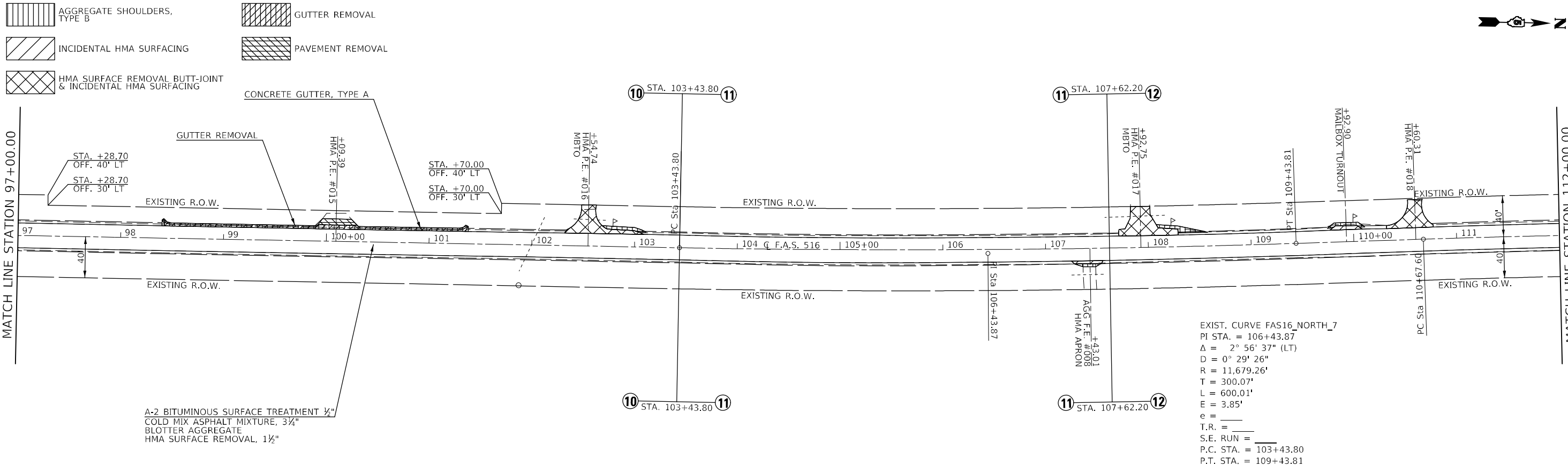


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	46
		CONTRACT NO. 70B04		
		ILLINOIS FED. AID PROJECT		

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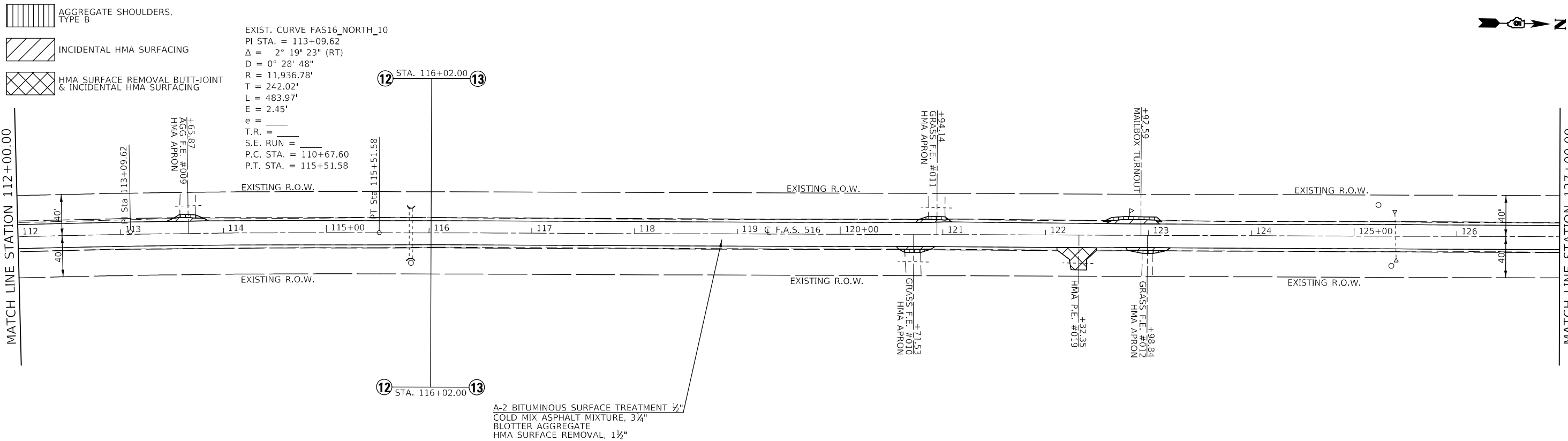
SEC 3, T 19 N, R 10 E, 3RD PM

SEC 34, T 20 N, R 10 E, 3RD PM



SEC 3, T 19 N, R 10 E, 3RD PM

SEC 34, T 20 N, R 10 E, 3RD PM



SEC 34, T 20 N, R 10 E, 3RD PM

USER NAME = PlersonTJ	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 516 (ST JOSEPH RD) PLAN SHEETS

SCALE: 1" = 50' SHEET 4 OF 9 SHEETS STA. 97+00.00 TO STA. 127+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	47
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

- AGGREGATE SHOULDERS,
TYPE B
- INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL BUTT-JOINT
& INCIDENTAL HMA SURFACING

MATCH LINE STATION 127+00.00

A-2 BITUMINOUS SURFACE TREATMENT 1/2"
COLD MIX ASPHALT MIXTURE, 3/4"
BLOTTER AGGREGATE
HMA SURFACE REMOVAL, 1 1/2"

SEC 34, T 20 N, R 10 E, 3RD PM

SEC 34, T 20 N, R 10 E, 3RD PM
SEC 34, T 20 N, R 10 E, 3RD PM

- AGGREGATE SHOULDERS,
TYPE B
- INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL BUTT-JOINT
& INCIDENTAL HMA SURFACING

MATCH LINE STATION 142+00.00

A-2 BITUMINOUS SURFACE TREATMENT 1/2"
COLD MIX ASPHALT MIXTURE, 3/4"
BLOTTER AGGREGATE
HMA SURFACE REMOVAL, 1 1/2"

SEC 34, T 20 N, R 10 E, 3RD PM

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	DRAWN -	REVISED -
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PLOT DATE = 1/26/2022	DATE -	REVISED -

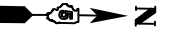
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 516 (ST JOSEPH RD) PLAN SHEETS

SCALE: 1" = 50' SHEET 5 OF 9 SHEETS STA. 127+00.00 TO STA. 157+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	48
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

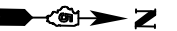
SEC 27, T 20 N, R 10 E, 3RD PM



MAICH LINE STATION 1/2+00.00

A-2 BITUMINOUS SURFACE TREATMENT $\frac{1}{2}$ "
COLD MIX ASPHALT MIXTURE, $3\frac{1}{4}$ "
BLOTTER AGGREGATE
HMA SURFACE REMOVAL, $1\frac{1}{2}$ "

SEC 27, T 20 N, R 10 E, 3RD PM



MATCH LINE STATION 187+00.00

A-2 BITUMINOUS SURFACE TREATMENT 1/2"
COLD MIX ASPHALT MIXTURE, 3 3/4"
BLOTTER AGGREGATE
HMA SURFACE REMOVAL, 1 1/2"

SEC 27, T 20 N, R 10 E, 3RD PM

STA. +50.00
OFF. 40' LT

STA. +50.00
OFF. 35' LT

STA. +50.00
OFF. 35' LT

GRASS F.E.
HMA APRON

+88.54
HMA P.E. #

+64.16
MAILBOX TU

GRASS F.E.
HMA APRON

STA. +50.00
OFF. 40' LT

STA. +50.00
OFF. 35' LT

STA. +50.00
OFF. 35' LT

A-2 BITUMINOUS SURFACE TREATMENT 1/2"
COLD MIX ASPHALT MIXTURE, 3 3/4"
BLOTTER AGGREGATE
HMA SURFACE REMOVAL, 1 1/2"

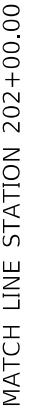
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FAS 516 (ST JOSEPH RD) PLAN SHEETS

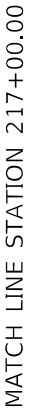
SCALE: 1" = 50'	SHEET 6 OF 9 SHEETS	STA. 157+00.00 TO STA. 187+00.00
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	49
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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Q → **R** → **N**



SEC 22, T 20 N, R 10 E, 3RD PM

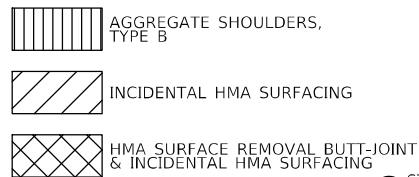
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	50
CONTRACT NO. 70B04				

SCALE: 1" = 50'	SHEET 7 OF 9 SHEETS	STA. 187+00.00 TO STA. 217+00.00
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		CONTRACT
ILLINOIS	FED. AID PROJECT	

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	AGGREGATE SHOULDERS, TYPE B
	INCIDENTAL HMA SURFACING
	HMA SURFACE REMOVAL BUTT-JOINT & INCIDENTAL HMA SURFACING

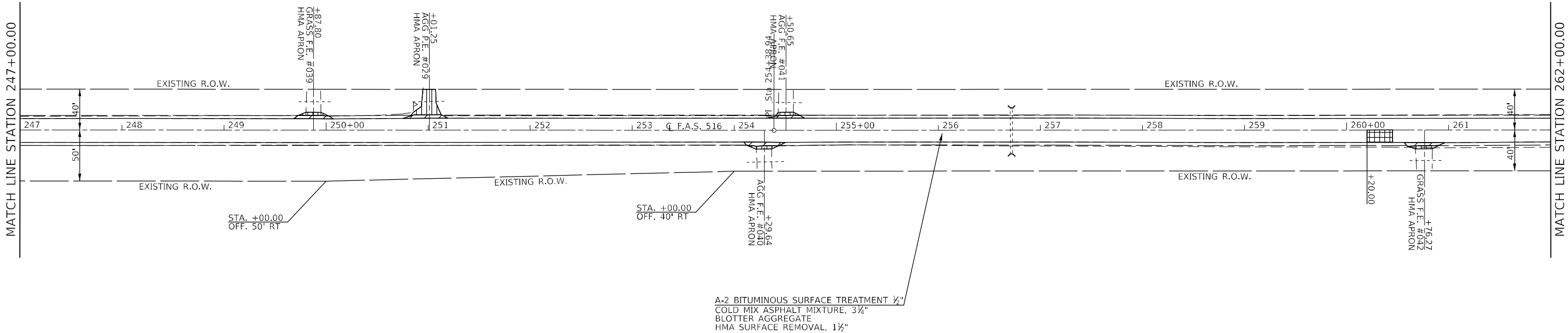


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	51
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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SEC 22, T 20 N, R 10 E, 3RD PM

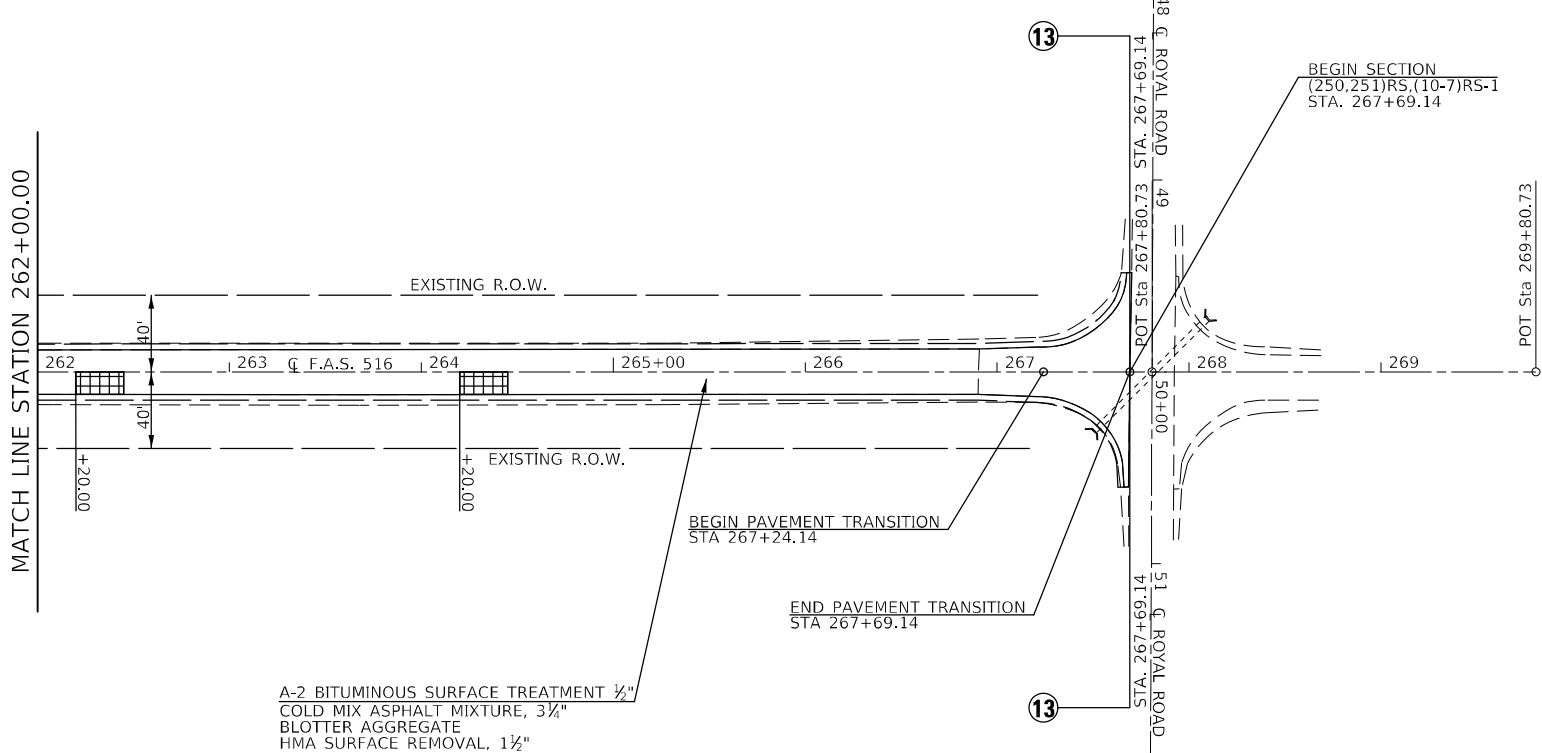
- AGGREGATE SHOULDERS,
TYPE B
- INCIDENTAL HMA SURFACING
- RUMBLE STRIP
(ADVANCE OF
INTERSECTIONS)



SEC 22, T 20 N, R 10 E, 3RD PM

SEC 15, T 20 N, R 10 E, 3RD PM

- RUMBLE STRIP
(ADVANCE OF
INTERSECTIONS)



SEC 22, T 20 N, R 10 E, 3RD PM

SEC 15, T 20 N, R 10 E, 3RD PM

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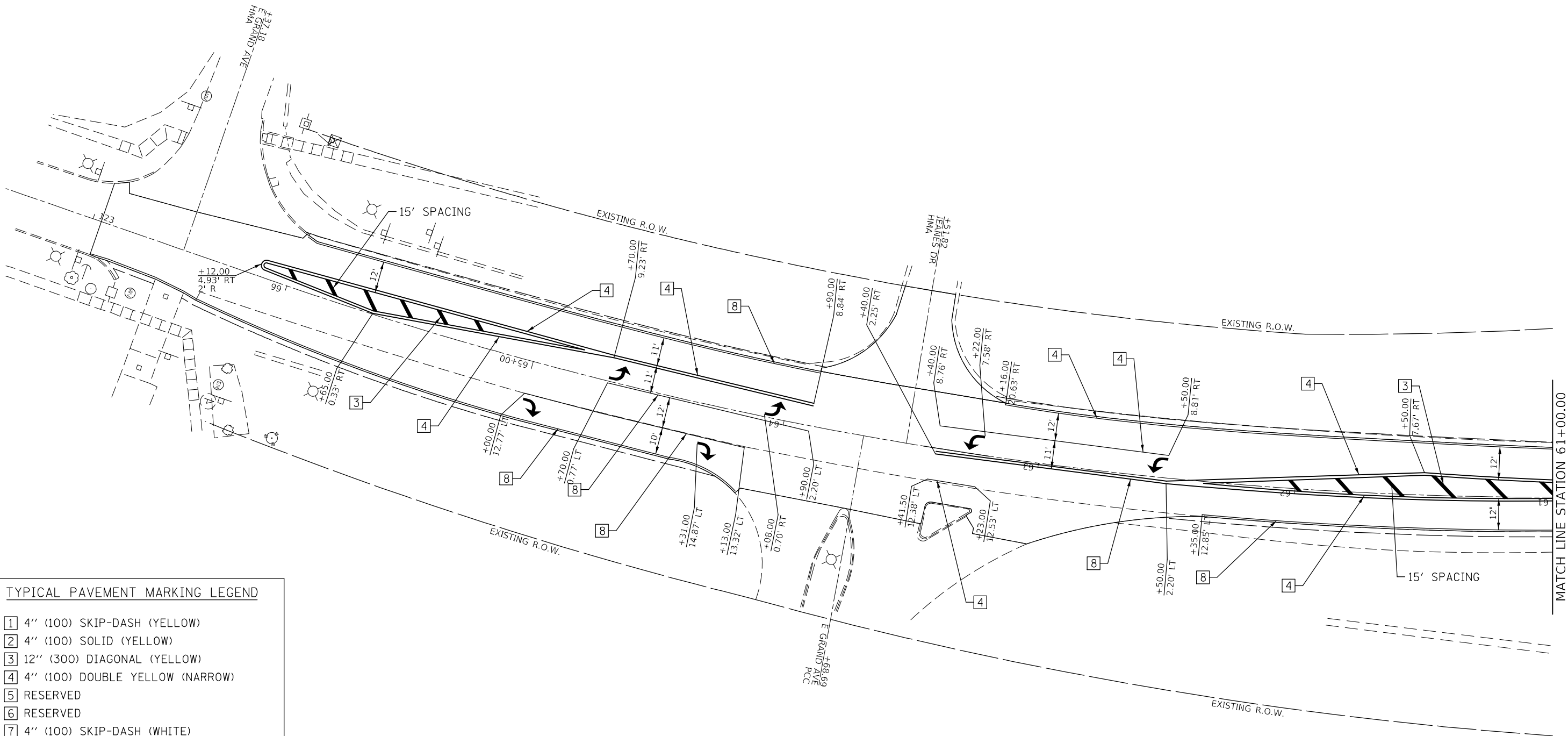
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 516 (ST JOSEPH RD) PLAN SHEETS

SCALE: 1" = 50' SHEET 9 OF 9 SHEETS STA. 247+00.00 TO STA. 269+80.73

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	52
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

MODEL: \\STATE\PROJECTS\70B04\CADD\Drawings\DOT\Office\Drawings\70B04\CADD\Drawings\70B04\Sheet.dgn
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TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

USER NAME = PlersonTJ	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 516 (ST. JOSEPH RD)
PAVEMENT MARKING PLAN SHEET DETAIL

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	53
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKING LEGEND

- 1

4" (100) SKIP-DASH (YELLOW)
- 2

4" (100) SOLID (YELLOW)
- 3

12" (300) DIAGONAL (YELLOW)
- 4

4" (100) DOUBLE YELLOW (NARROW)
- 5

RESERVED
- 6

RESERVED
- 7

4" (100) SKIP-DASH (WHITE)
- 8

4" (100) SOLID (WHITE)
- 9

12" (300) DIAGONAL (WHITE)
- 10

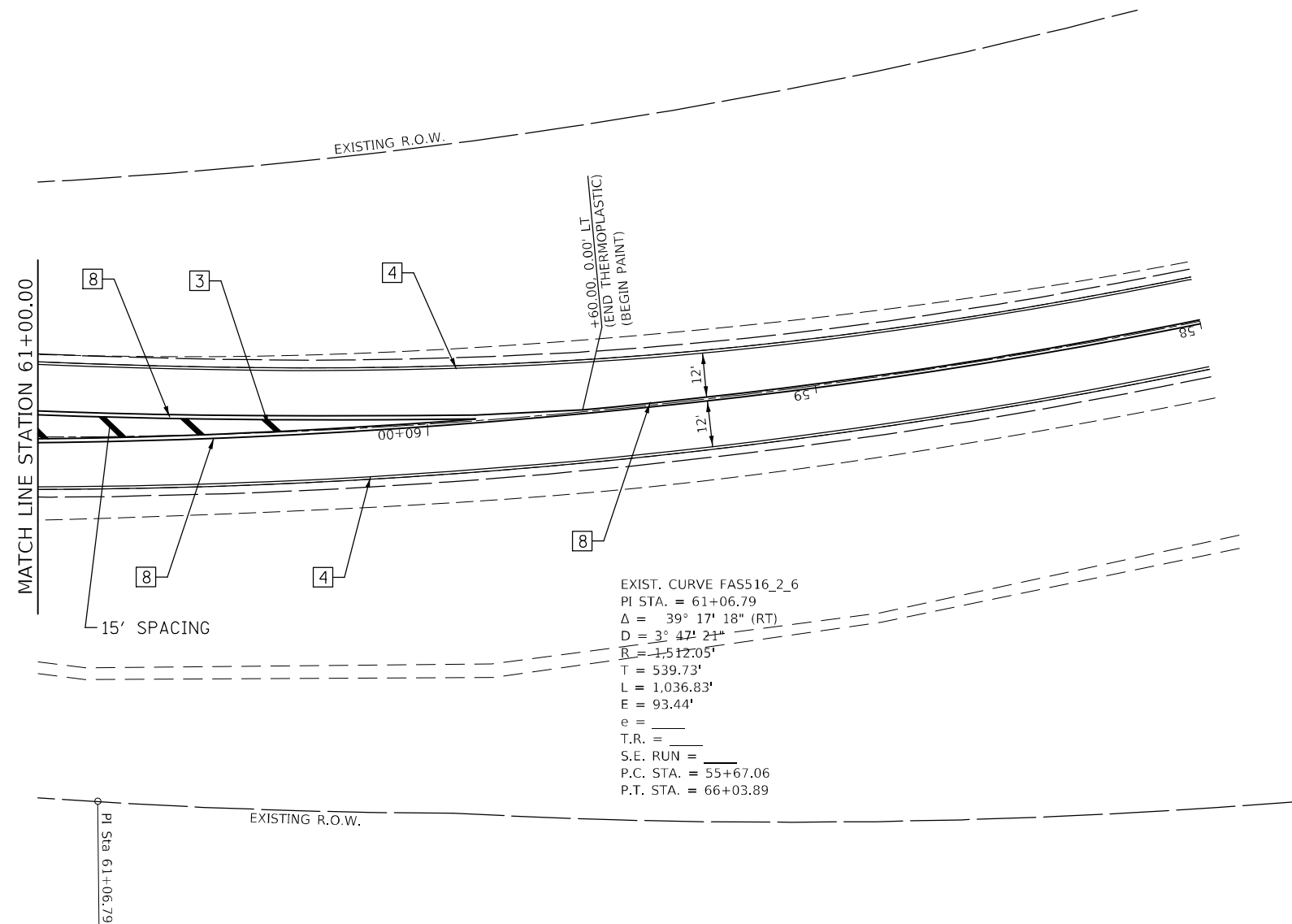
6" (150) SOLID (WHITE)
- 11

24" (600) STOP BAR (WHITE)
- 12

8" (200) SOLID (WHITE)
- 13

4" (100) LANE LINE EXTENSIONS (WHITE)
- 14

4" (100) PARKING WHITE



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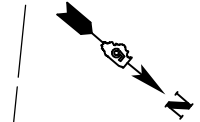
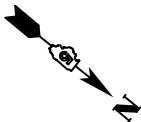
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DRAWN -	REVISED -	
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PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 516 (ST. JOSEPH RD)
PAVEMENT MARKING PLAN SHEET DETAIL

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	54
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				



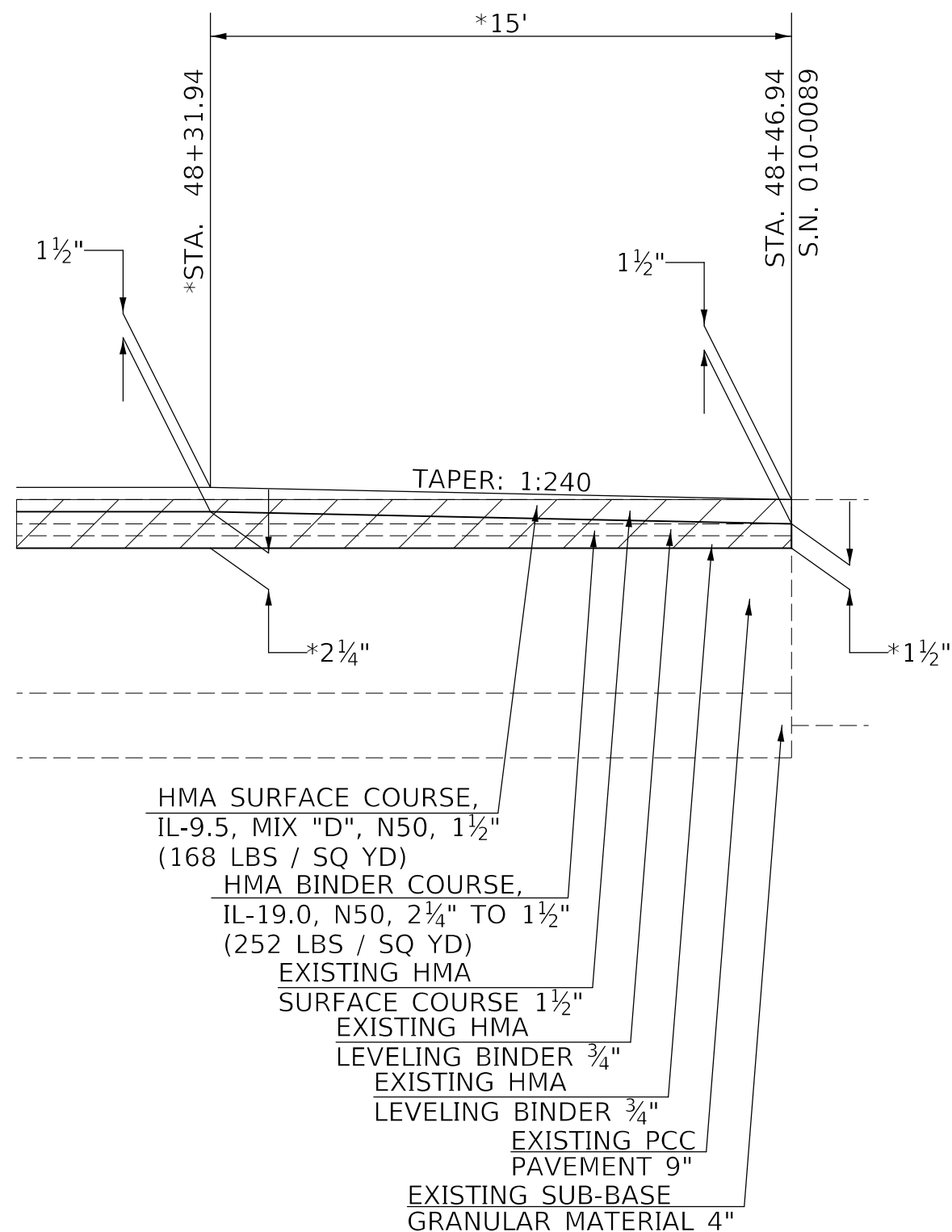
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2	4" (100) SOLID (YELLOW)
3	12" (300) DIAGONAL (YELLOW)
4	4" (100) DOUBLE YELLOW (NARROW)
5	RESERVED
6	RESERVED
7	4" (100) SKIP-DASH (WHITE)
8	4" (100) SOLID (WHITE)
9	12" (300) DIAGONAL (WHITE)
10	6" (150) SOLID (WHITE)
11	24" (600) STOP BAR (WHITE)
12	8" (200) SOLID (WHITE)
13	4" (100) LANE LINE EXTENSIONS (WHITE)
14	4" (100) PARKING WHITE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

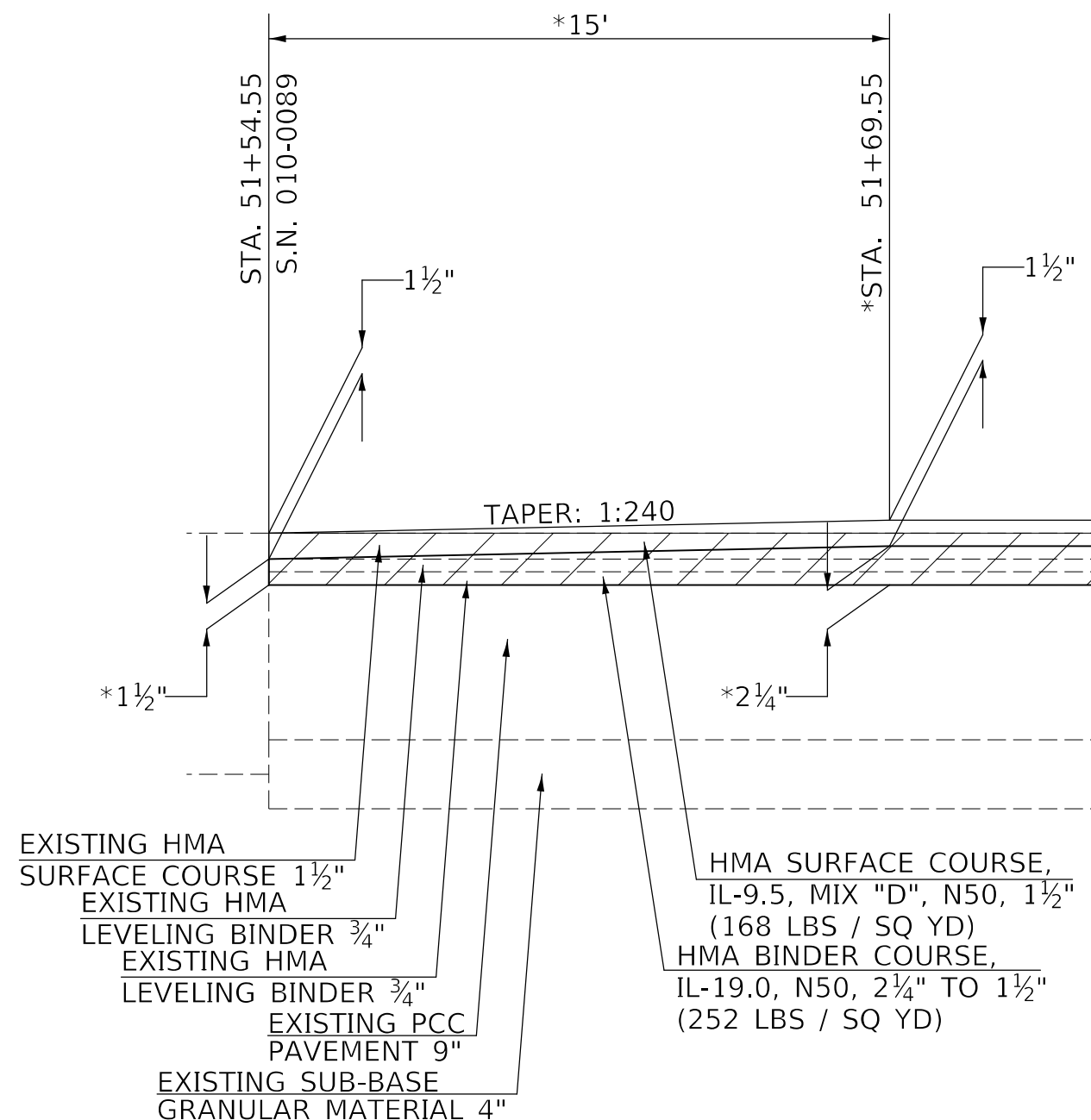
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* EXISTING PAVEMENT THICKNESS IS EXPECTED TO BE 3".
VARIATION MAY EXIST. A 1:240 TAPER SHALL BE USED
FOR THE PROFILE TRANSITION.



* EXISTING PAVEMENT THICKNESS IS EXPECTED TO BE 3".
VARIATION MAY EXIST. A 1:240 TAPER SHALL BE USED
FOR THE PROFILE TRANSITION.



USER NAME = PPersonTJ	DESIGNED -	REVISED -
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PLOT DATE = 1/26/2022	DATE -	REVISED -

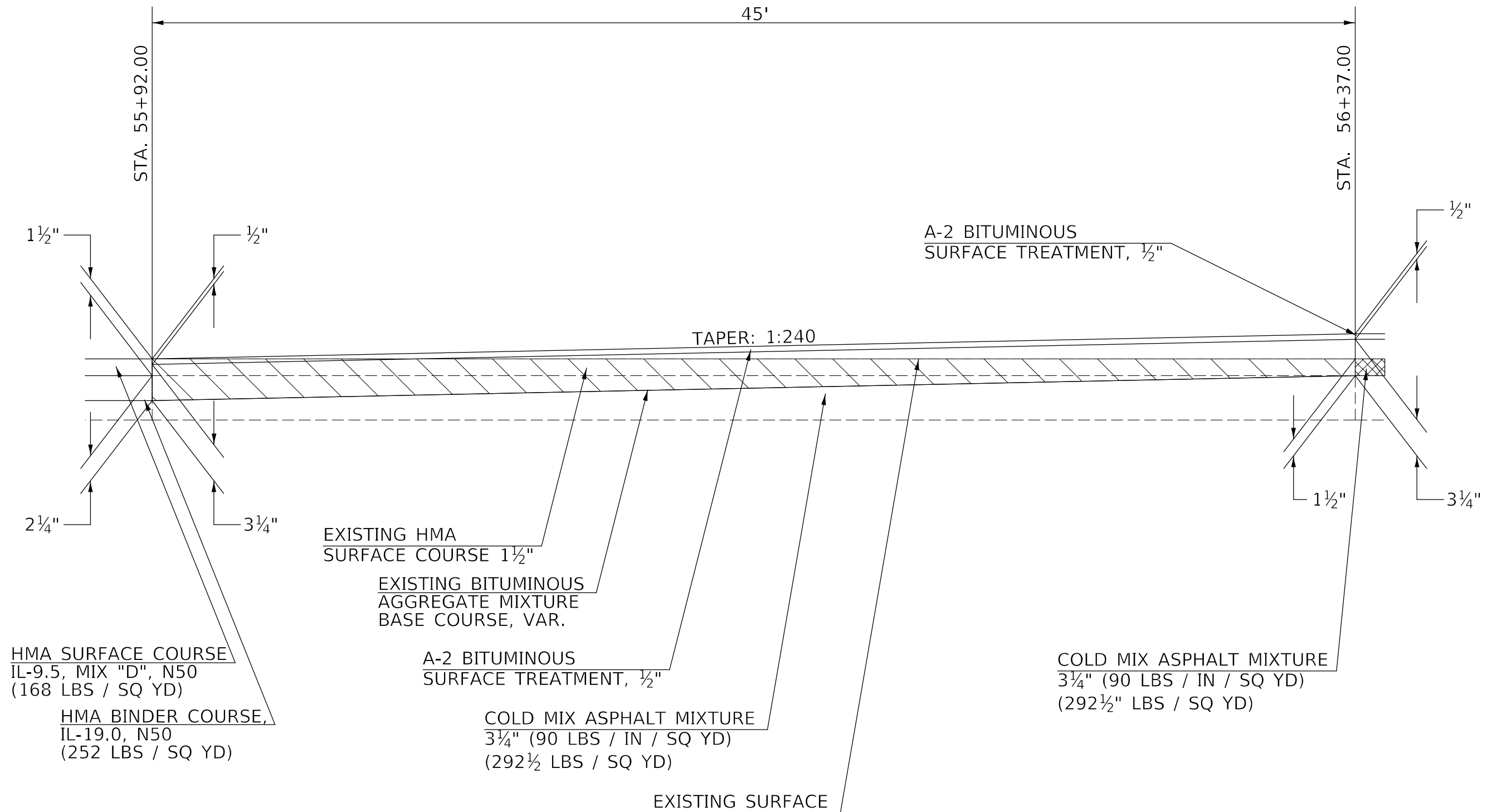
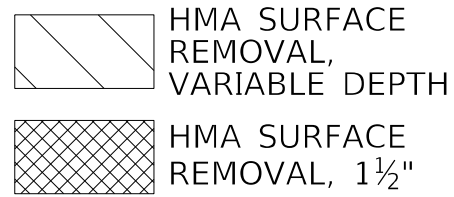
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**S.N. 010-0089 APPROACH
PROFILE TRANSITIONS**

SCALE: N.T.S.	SHEET 1	OF 7	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	56
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

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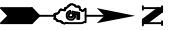
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTHERN PROFILE TRANSITION

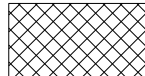
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	57
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

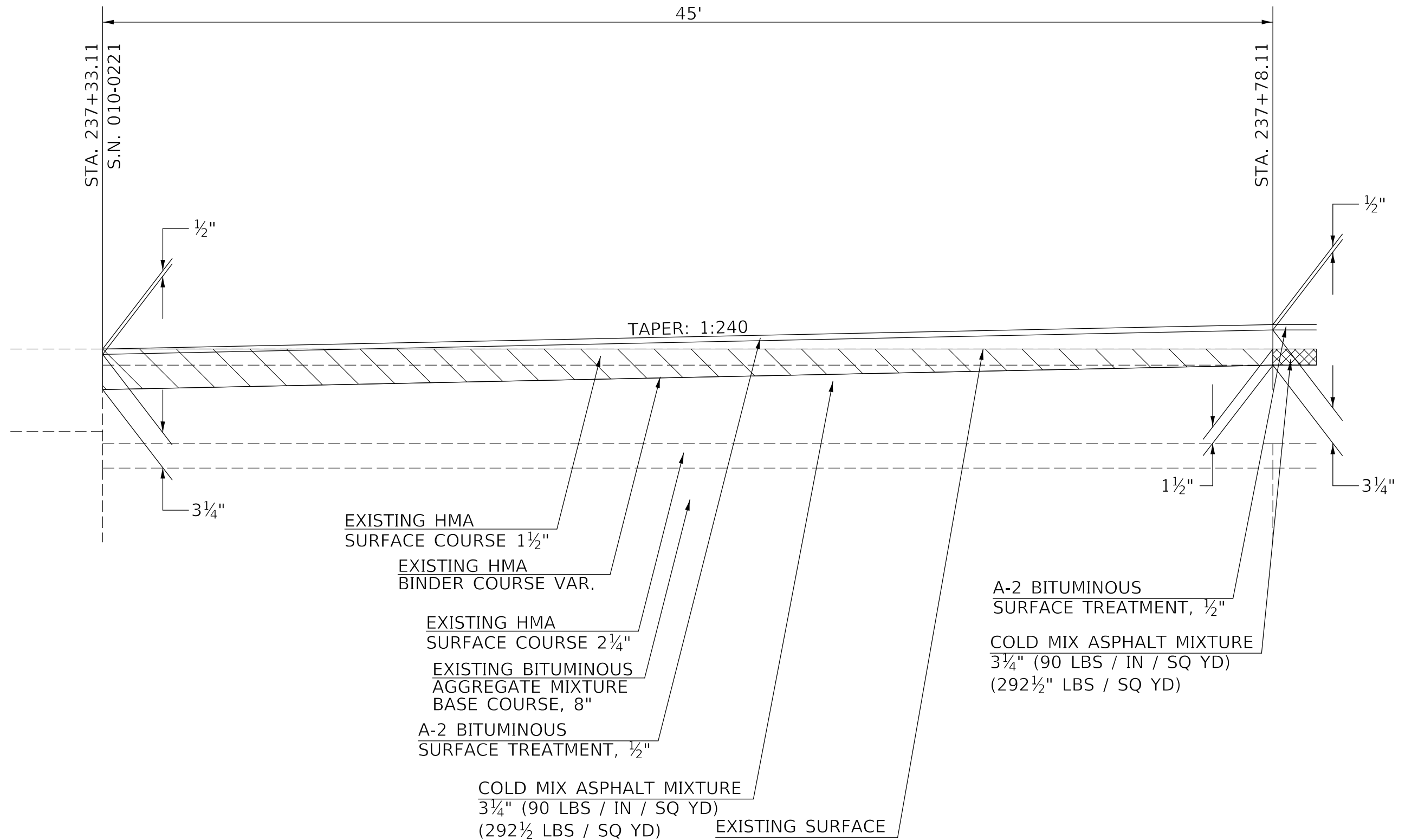
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- 

HMA SURFACE
REMOVAL,
VARIABLE DEPTH
- 

HMA SURFACE
REMOVAL, 1½"



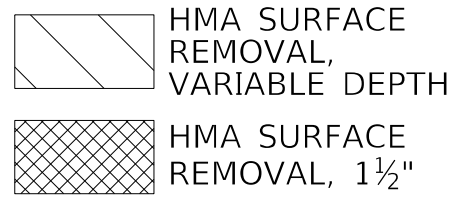
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

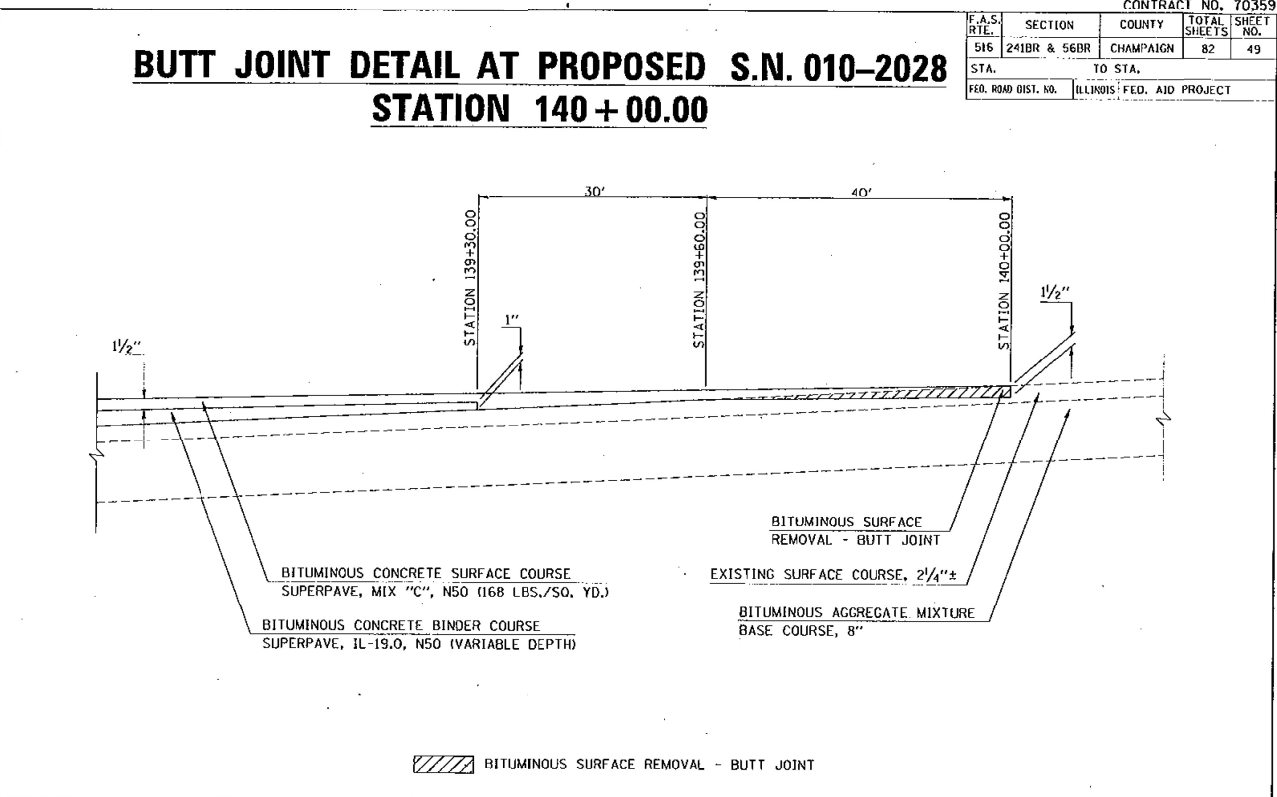
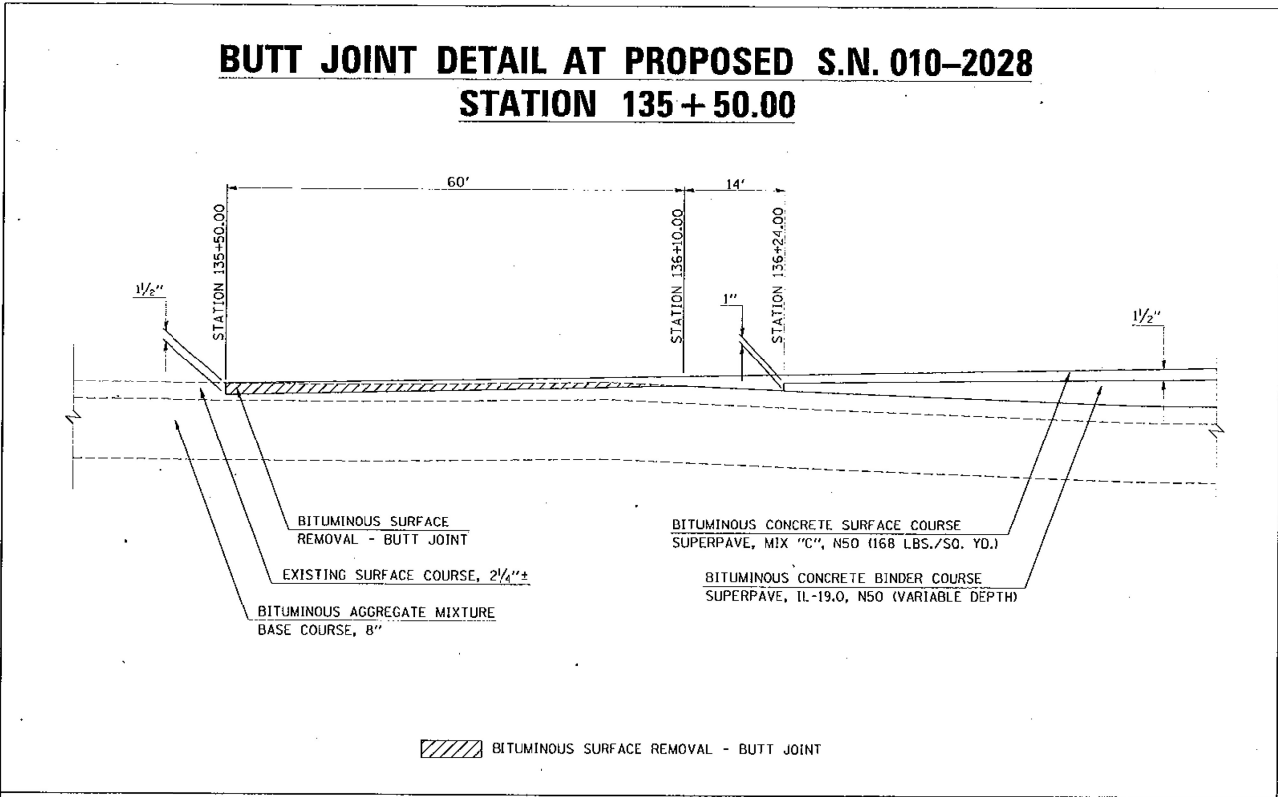
S.N. 010-0221 NORTHERN APPROACH PROFILE TRANSITION			
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	61
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

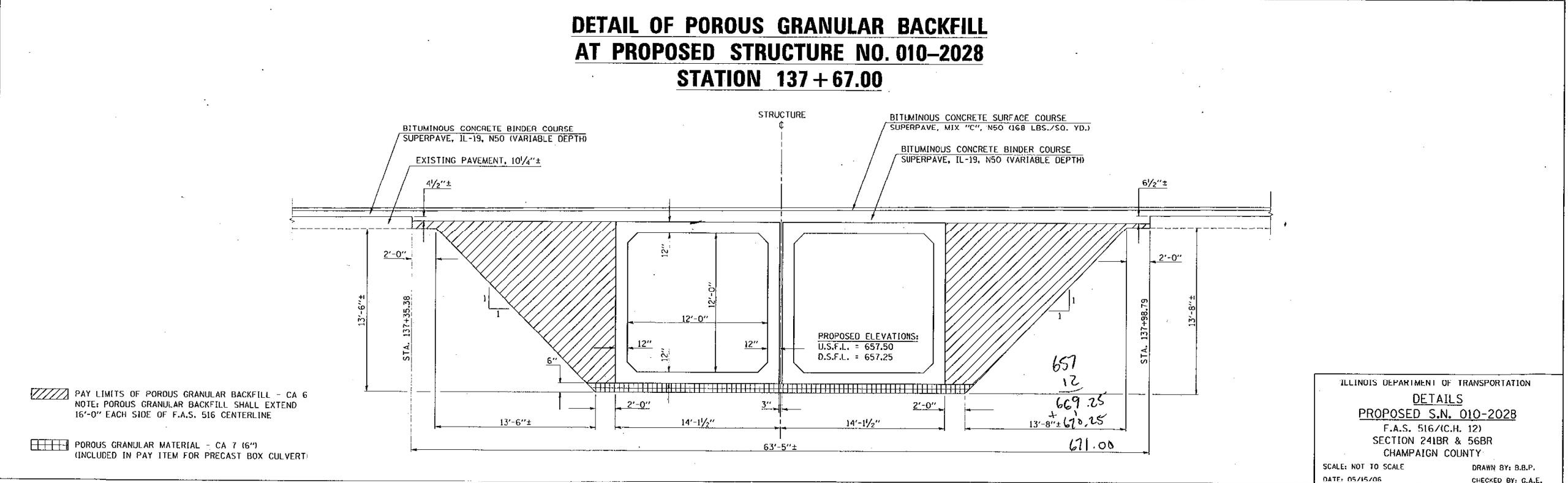


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PLOT DATE = 1/26/2022	DATE -	REVISED -					ILLINOIS			FED. AID PROJECT	
						CONTRACT NO. 70B04					

FOR INFORMATION ONLY



CONTRACT NO. 70359			
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
516	241BR & 56BR	CHAMPAIGN	82
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



USER NAME = PlersonTJ	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S.N. 010-2028 AS-BUILT BUTT-JOINT DETAIL			
SCALE: N.T.S.	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	63
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

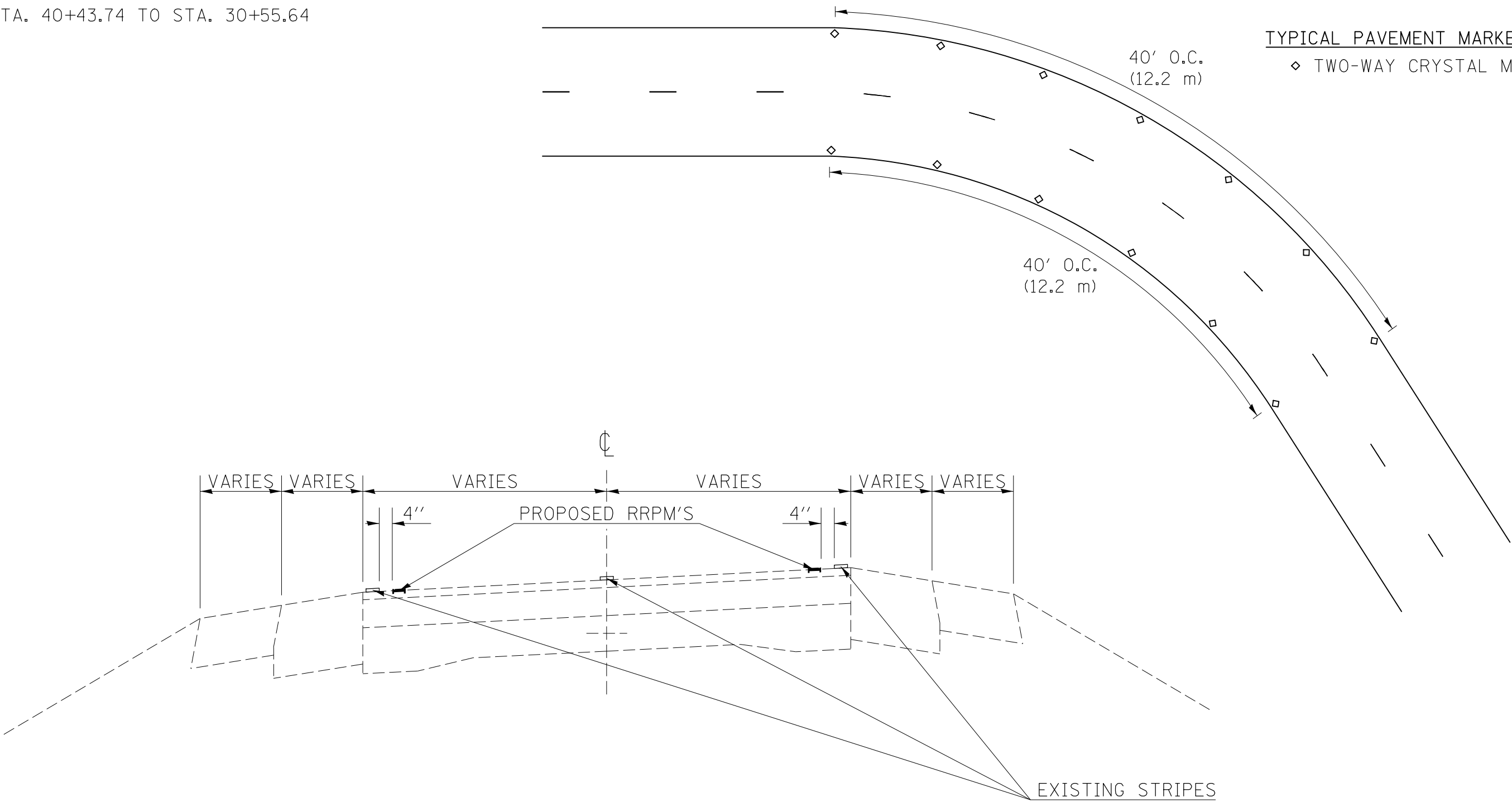
RAISED REFLECTIVE PAVEMENT MARKER AT HORIZONTAL CURVES DETAIL

STATION RANGES

STA. 62+50.00 TO STA. 55+67.06
STA. 40+43.74 TO STA. 30+55.64

TYPICAL PAVEMENT MARKERS LEGEND

◇ TWO-WAY CRYSTAL MARKER



STANDARD SPACING ON CENTERLINE

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DATE: 1/26/2022

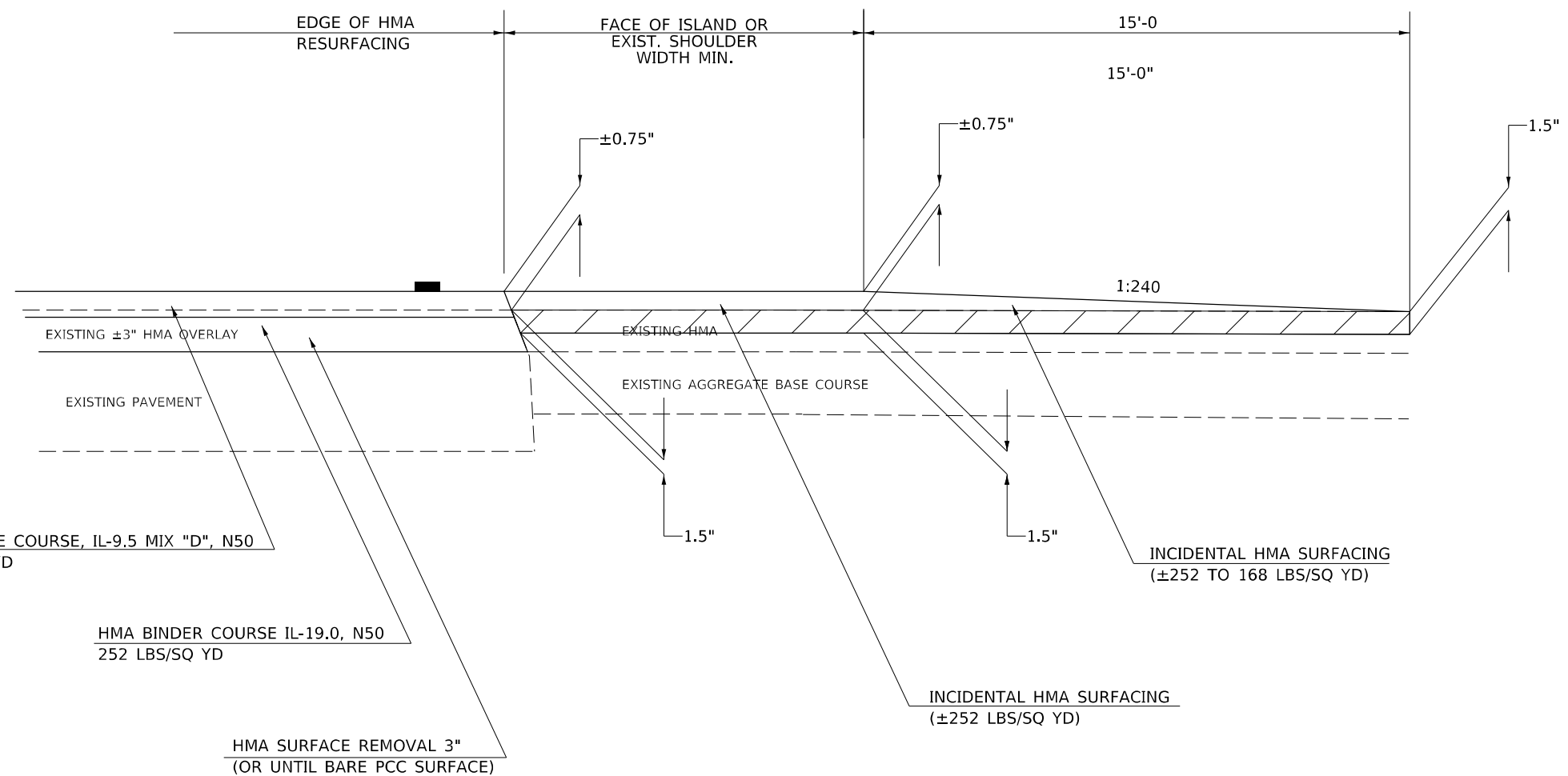
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PLOT DATE = 1/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAISED REFLECTIVE
PAVEMENT MARKER DETAIL

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	64
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				



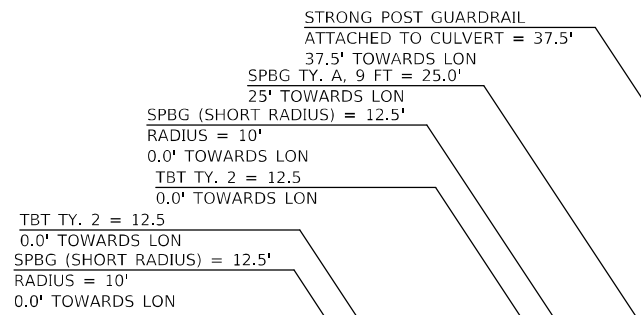
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INCIDENTAL I-74 RAMP RESURFACING

SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	65
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

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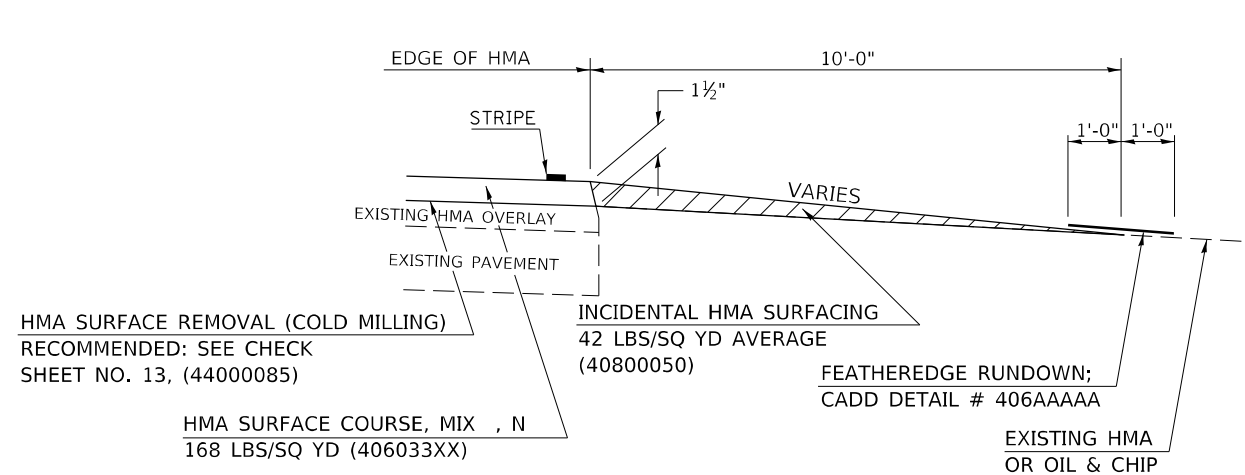


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

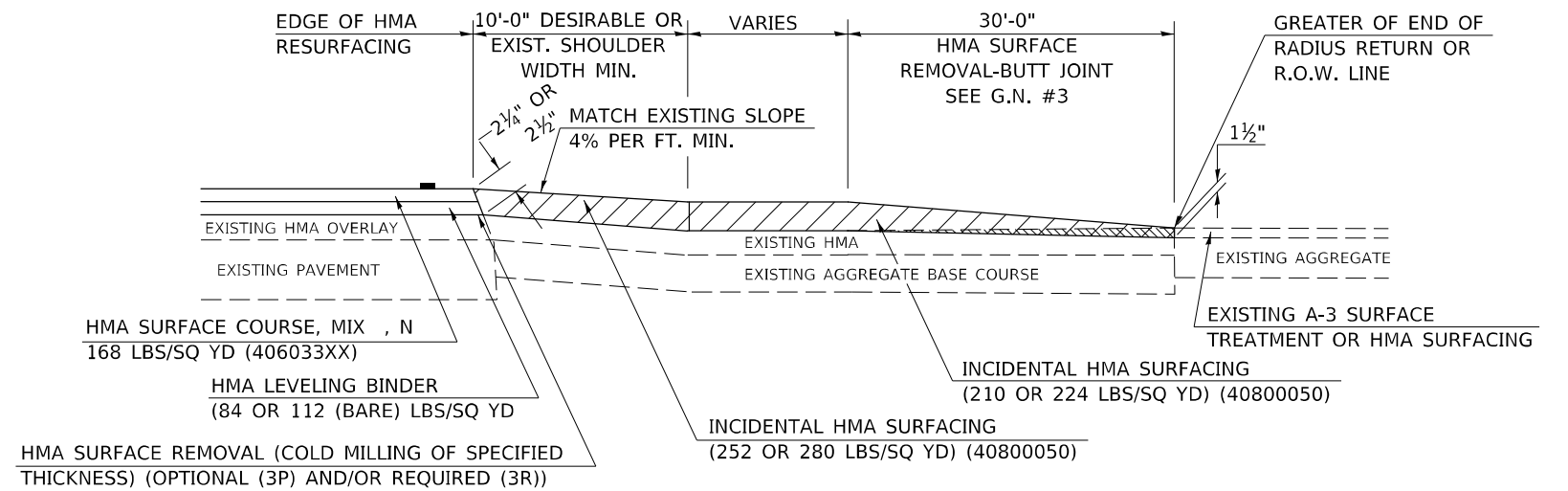
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	66
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS
(ALSO CONTRACT MAINTENANCE)



"3P" OR "3R" IMPROVEMENTS



GENERAL NOTES

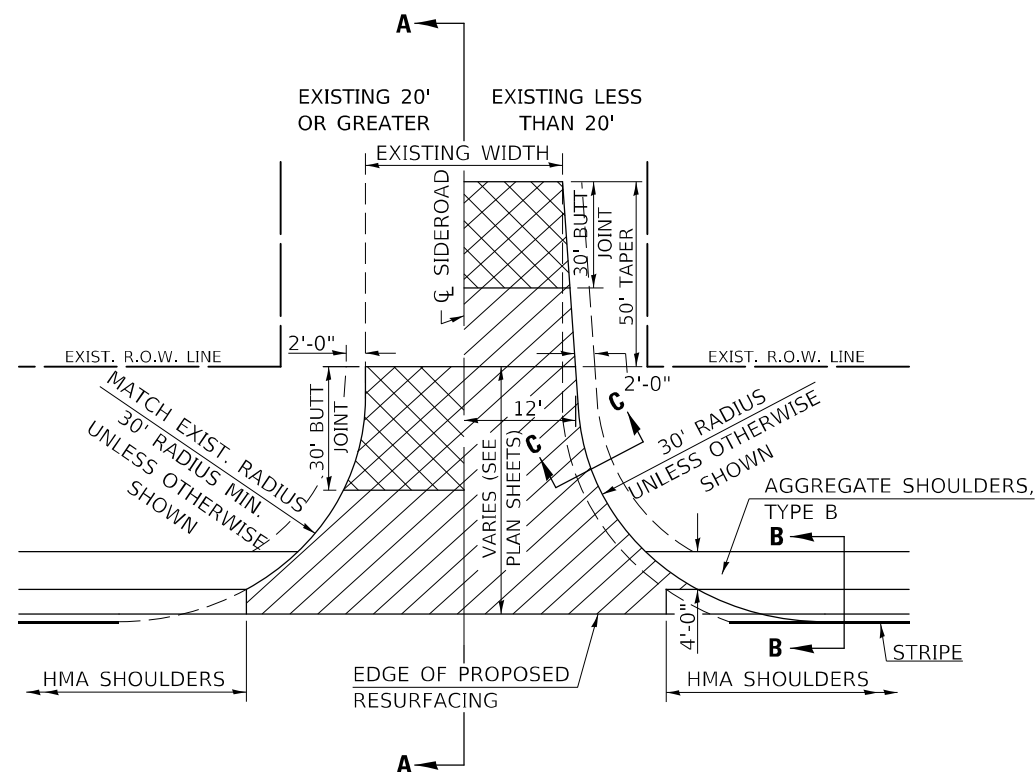
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

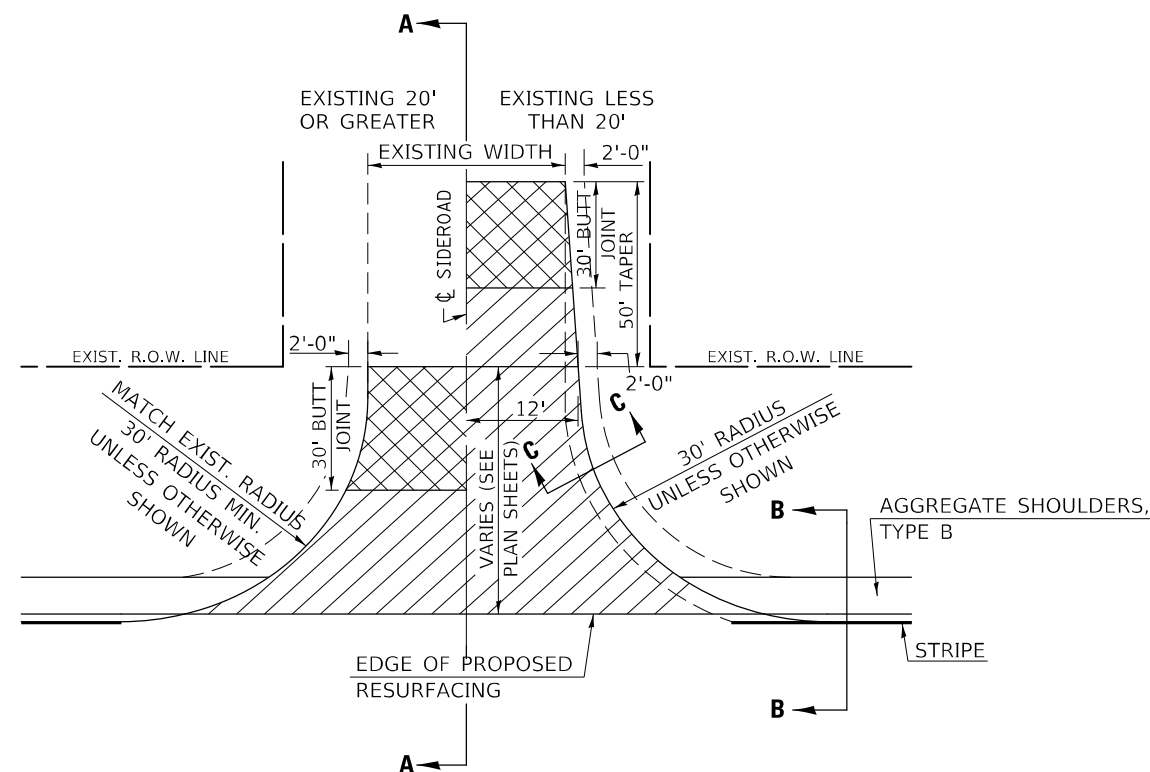
PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)

WITH HMA SHOULDER

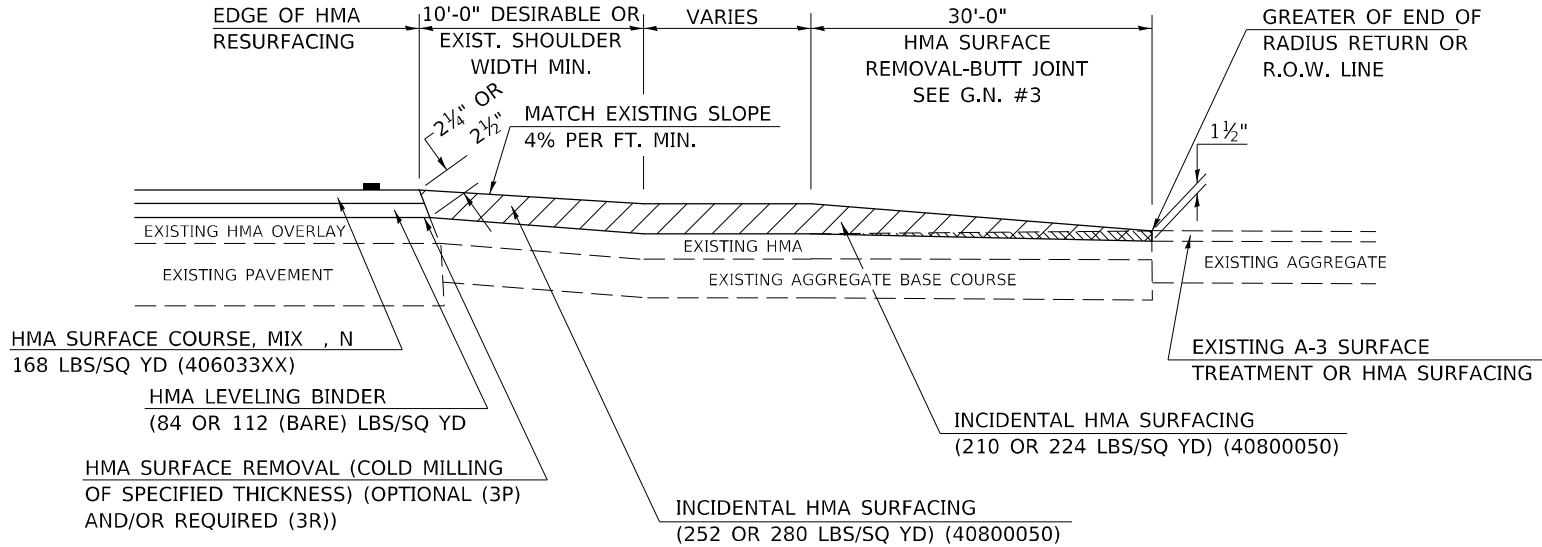


WITHOUT HMA SHOULDER

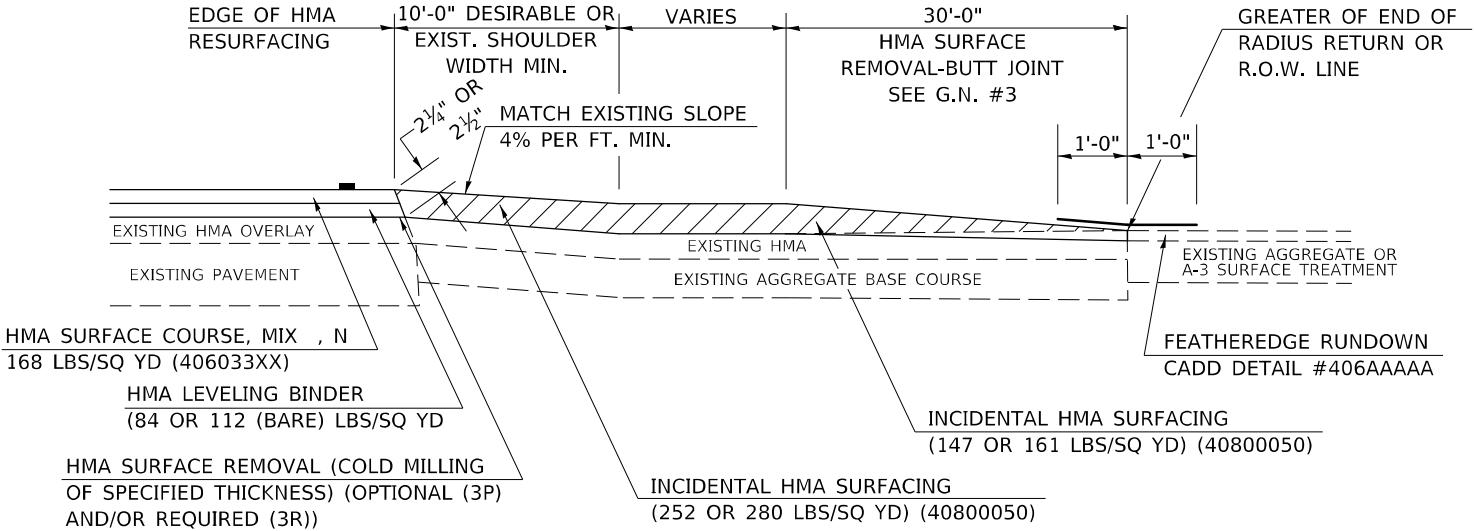


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		DRAWN -	REVISED - 09/07 KAG									516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	67		
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	PLOT DATE = 1/26/2022	DATE -	REVISED -		SCALE: N.T.S.							SHEET 1	OF 2	SHEETS	STA.	TO STA.		
												ILLINOIS FED. AID PROJECT						

SECTION A-A
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)

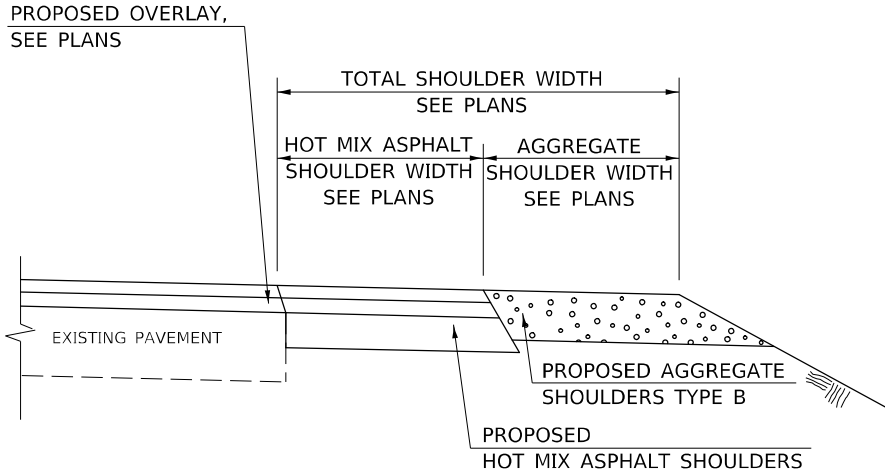


SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)



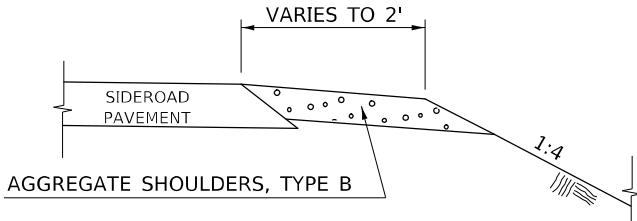
RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)

	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance			
DESIGN ELEMENT	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT); (Measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	Resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAA			resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA			
RADIUS (FT)	30	30								
SHOULDER WIDTH (FT)	4	8								10
SHOULDER SLOPE (%)	2	4								12
ENTRANCE GRADE (%)	1	1 to 4								4
BREAKOVER (%)	0	5								10
SIDE SLOPE (FT)	1:10	1:6								1:4
INTERSECTION ANGLE	60	75 to 90								
SURFACE TYPE										
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge			
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base						
PCC PAVEMENT (INCH)		8								



SECTION B-B

MAINLINE SHOULDER TREATMENT



SECTION C-C
SIDEROAD SHOULDER TREATMENT

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	68
		CONTRACT NO. 70B04		
ILLINOIS		FED. AID PROJECT		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEROAD & SIDESTREETS (RURAL

SCALE: N.T.S.	SHEET 2	OF 2	SHEETS	STA.	TO STA.
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ILLINOIS	FED. AID PROJECT
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The diagram illustrates a cross-section of a road construction project. Key features include:

- EDGE OF HMA**: Indicated at the top left.
- MATCH EXIST. SLOPE**: Two locations where the new HMA surface meets the existing slope, each with a $1\frac{1}{2}"$ vertical offset.
- EXIST. HMA OVERLAY**: The existing HMA surface layer.
- EXIST. PAVEMENT**: The existing pavement layer below the HMA overlay.
- EXIST. INCIDENTAL HMA**: An existing HMA area adjacent to the main overlay.
- 4.0% & VARIES**: A slope indicator for the aggregate shoulders.
- EXIST. AGGREGATE SURFACE COURSE**: The existing aggregate surface layer.
- AGGREGATE SHOULDERS, TYPE B**: The new aggregate shoulders to be constructed.
- INCIDENTAL HMA SURFACING**: A new HMA surface area.
- EXIST. BOW LINE**: The existing road boundary line on the right.

Material Specifications:

- HMA SURFACE COURSE, MIX , N**
168 LBS/SQ YD (406033XX)
- INCIDENTAL HMA SURFACING**
168 LBS/SQ YD (40800050)

Notes:

- HMA SURFACE REMOVAL (COLD MILLING)
- RECOMMENDED: SEE CHECK SHEET NO. 13; (44000085)

The diagram illustrates the cross-section of a road shoulder and HMA overlay construction. Key components and dimensions include:

- EDGE OF HMA**: The left boundary of the HMA section.
- EXIST. SLOPE**: The existing ground slope on the left.
- EXIST. HMA OVERLAY**: The existing HMA layer.
- EXIST. PAVEMENT**: The existing pavement layer below the HMA overlay.
- HMA SURFACE COURSE, MIX $\frac{1}{2}$, N**: The new HMA surface course, with a thickness of **168 LBS/SQ YD (406033XX)**.
- HMA LEVELING BINDER**: A layer below the HMA surface course, with a thickness of **(84 OR 112 (BARE) LBS/SQ YD)**.
- HMA SURFACE REMOVAL (COLD MILLING OR OF SPECIFIED THICKNESS)**: An optional or required layer below the leveling binder, with a thickness of **(OPTIONAL (3P) AND/OR REQUIRED (3R))**.
- INCIDENTAL HMA SURFACING**: A layer below the HMA surface course, with a thickness of **(210 OR 224 LBS/SQ YD) (40800050)**.
- AGGREGATE SHOULDERS, TYPE B**: The shoulder material on the right.
- EXIST. AGGREGATE SURFACE COURSE**: The existing aggregate surface course below the HMA overlay.
- Dimensions**: The HMA section is divided into two segments, each **3'-0"** long. The thickness of the HMA surface course is **2 1/4" OR 2 1/2"** in the first segment and **1 1/2"** in the second segment. The slope of the HMA surface is **2.0% & VARIES** in the first segment and **4.0% & VARIES** in the second segment.

Diagram illustrating a typical cross-section of a mainline route. The diagram shows the existing right-of-way (R.O.W.) line, the edge of the HMA shoulder, and the mainline route centerline (CL). Key dimensions and labels include:

- SEE CHART FOR WIDTH**: Dimension across the top of the HMA shoulder.
- EXIST. R.O.W. LINE**: The existing right-of-way boundary.
- SEE CHART FOR RADIUS**: Dimension indicating the radius of the shoulder transition.
- EDGE OF HMA SHOULDER**: The boundary between the HMA shoulder and the existing R.O.W.
- STRIPE**: The edge of the HMA shoulder.
- VAR.**: Variable dimension indicating the width of the shoulder.
- 3'-0" (900 mm) UNLESS OTHERWISE SHOWN IN PLANS**: Standard shoulder width dimension.
- CL MAINLINE ROUTE**: The centerline of the mainline route.

The diagram illustrates a cross-section of a road shoulder and aggregate surface course. Key components and labels include:

- EDGE OF HMA RESURFACING**: Points to the left edge of the existing HMA pavement.
- WIDTH OF PROP. HMA SHOULDER**: Indicates the width of the proposed HMA shoulder.
- STRIPE**: Points to the edge stripe on the HMA shoulder.
- SLOPE SHOWN ON STATION CROSS SECTIONS**: Points to the slope of the aggregate surface course.
- AGGREGATE SURFACE COURSE TYPE B - TON SEE AGGREGATE NOTE #3**: Points to the aggregate surface course material.
- HMA SHOULDERS, 8" (200)**: Points to the HMA shoulder material.
- REFER TO TYPICAL CROSS SECTION**: Points to the HMA shoulder material.
- 6" (150) NOMINAL**: Points to the nominal thickness of the aggregate surface course.
- EXIST. R.O.W. LINE**: Points to the existing right-of-way line.

Diagram illustrating the cross-section of a shoulder and aggregate base course. The diagram shows the following components and dimensions:

- EDGE OF HMA**: The boundary between the HMA surfacing and the aggregate base course.
- STRIPE**: A line marking on the HMA surfacing.
- 3'-0"**: The width of the HMA surfacing section.
- 2 1/4" or 2 1/2"**: The thickness of the HMA surfacing.
- AGGREGATE SURFACE COURSE TYPE B-TON**: The top layer of the aggregate base course.
- SEE GENERAL NOTE #3**: Reference to general specifications.
- SLOPE SHOWN ON STATION CROSS-SECTIONS**: The slope of the aggregate base course.
- SLOPE SAME AS ADJACENT MAINLINE SHOULDER (MAX. 1" PER FT.)**: The slope of the aggregate base course, matching the adjacent mainline shoulder.
- EXIST. AGGREGATE SURFACE**: The existing aggregate surface.
- INCIDENTAL HMA SURFACING SHALL BE THE SAME THICKNESS AS THE ADJACENT HMA RESURFACING**: Requirement for incident HMA surfacing.
- AGGREGATE BASE COURSE, TYPE B**: The bottom layer of the aggregate base course.
- SEE GENERAL NOTE #4; 6" (150)**: Reference to general specifications for the aggregate base course.
- EXIST. R.O.W. LINE**: The existing right-of-way line.

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050A				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	69
		CONTRACT NO. 70B04		
		ILLINOIS FED. AID PROJECT		

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA.	TO STA.
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MODEL: s:\MODEL NAMES
FILE: h:\a\c:\paw\hwy\com\paw\DOT\Documents\DOT Offices\District 5\Projects\0570B04\CADDData\CADDsheet\0570B04-sh-Detail\District 5 Details.dgn

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)														
	NEW CONSTRUCTION & 3R with CONSTRUCTION								3R w/out RECONSTRUCTION, 3P, SMART & CM					
	NONCOMMERCIAL					COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS					PRIVATE & FIELD					
DESIGN ELEMENT	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY		
						14	16	24						
						2 LANE, 2 WAY						2 LANE, 2 WAY		
						24	30	35				resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them		
RADIUS (FT)	15	25	40	30		20	30	50						
SHOULDER WIDTH (FT)	2	2		2		1	3							
SHOULDER SLOPE (%)	2	4	6	4		2	4	6						
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10						
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10						
SURFACE TYPE														
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8						

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMORANDUM 104/01 DISCUSS THIS PROCEDURE.

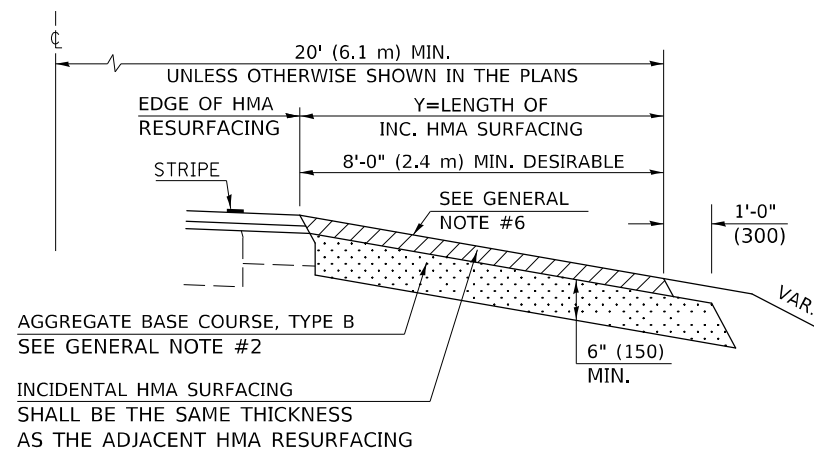
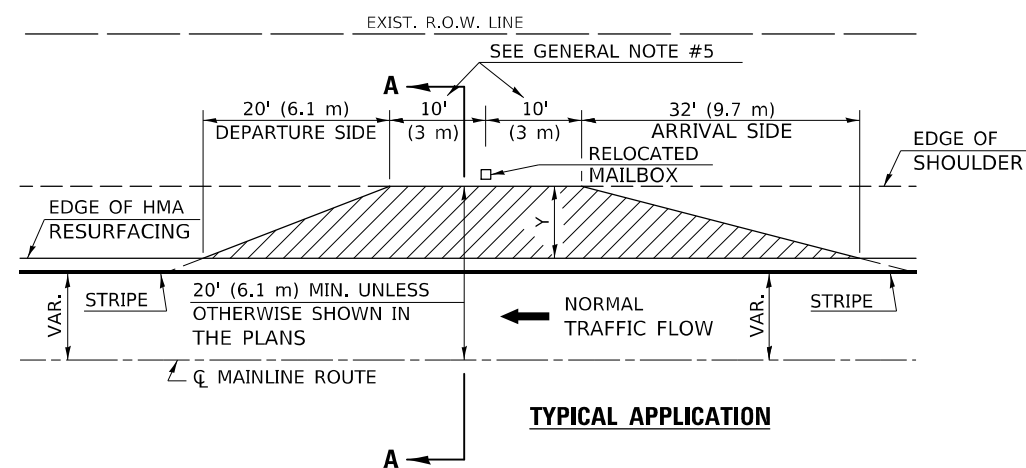
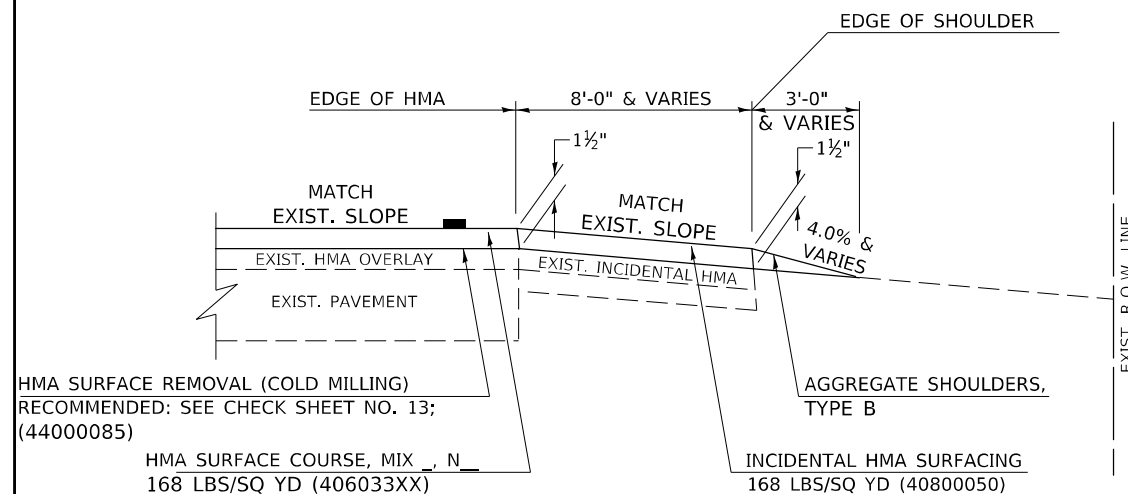
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050A														
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			DRAWN -		REVISED - 09/07 KAG									
	PLOT SCALE = 40,0000 ' / in.		CHECKED -		REVISED - 04/08 KJT									
	PLOT DATE = 1/26/2022		DATE -		REVISED - 3/16/17 SWN									
							SCALE: N.T.S.		SHEET 2 OF 2 SHEETS		STA. TO STA.			

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS

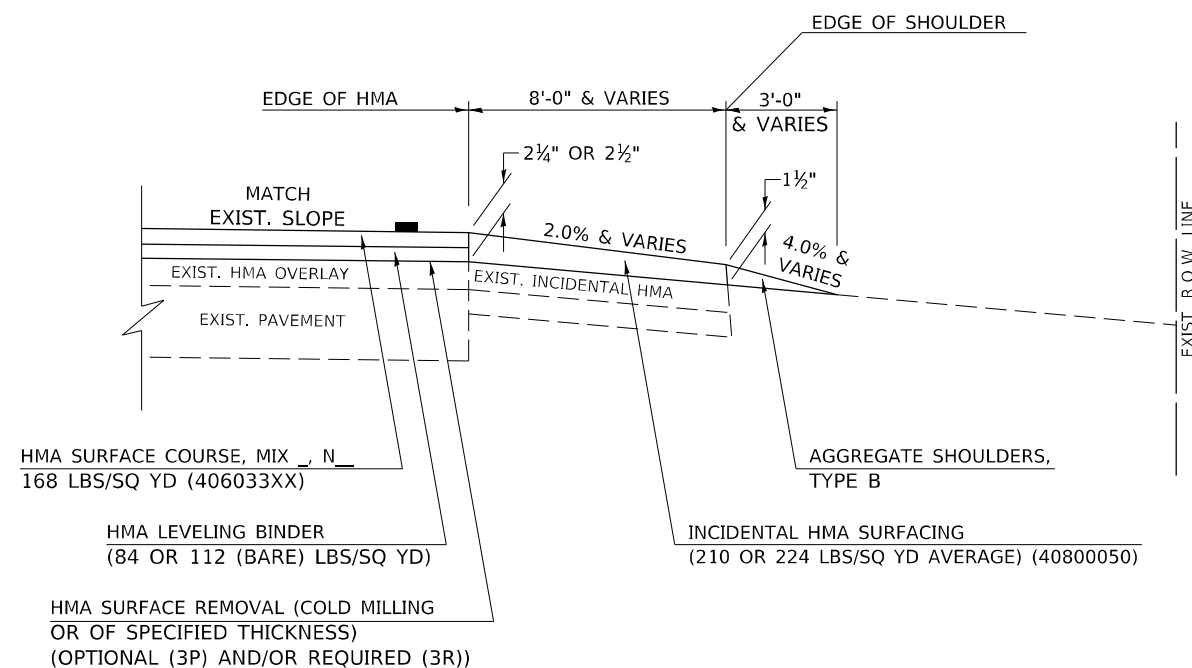
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SECTION A-A

"3P" OR "3R" IMPROVEMENTS

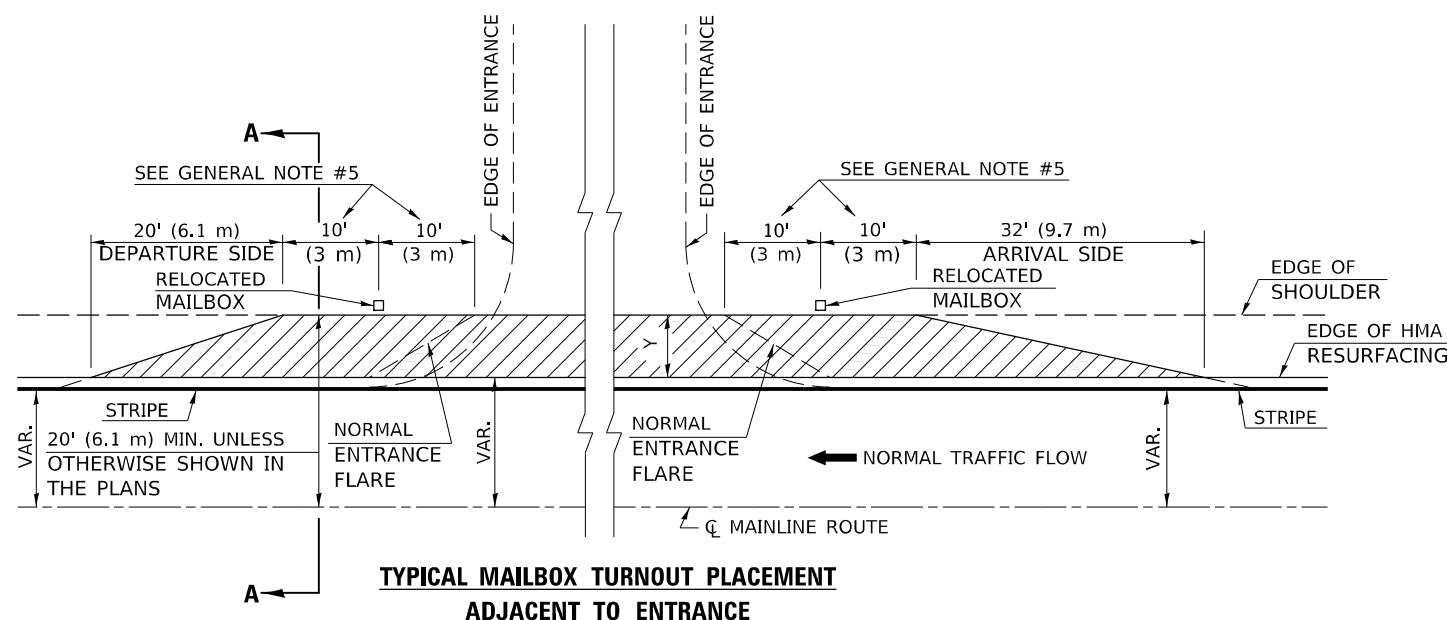
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PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)

WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER.
MINIMUM 4% (1/2"/') DESIRABLE; MAXIMUM 8% (1"/')
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050B

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	71
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

SCALE: N.T.S.	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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[illegible]

EDGE OF HMA

10'-0"

1 1/2"

MATCH EXIST. SLOPE

VARIES

1 1/2"

EXIST. HMA OVERLAY

EXIST. PAVEMENT

EXIST. HMA OR PCC

HMA SURFACE REMOVAL (RECOMMENDED) OF SPECIFIED THICKNESS

HMA SURFACE COURSE, MIX N 168 LBS/SQ YD (406033XX)

INCIDENTAL HMA SURFACING 168 LBS/SQ YD (40800050)

HMA SURFACE REMOVAL - SPL OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

EXIST. R.O.W. LINE

The diagram illustrates the cross-section of a road shoulder and HMA overlay construction. Key components and dimensions include:

- EDGE OF HMA**: The left boundary of the HMA overlay.
- 10'-0"**: The total width of the HMA overlay section.
- 2 1/4" OR 2 1/2"**: The thickness of the HMA overlay at the edge.
- 1 1/2"**: The thickness of the HMA overlay at the shoulder edge.
- VARIES**: The slope of the HMA overlay is variable.
- EXIST. INCIDENTAL HMA**: The existing HMA layer.
- EXIST. AGGREGATE SURFACE COURSE**: The existing aggregate surface course.
- EXIST. R.O.W. LINE**: The existing right-of-way line.
- EXIST. PAVEMENT**: The existing pavement layer.
- EXIST. HMA OVERLAY**: The existing HMA overlay layer.
- MATCH EXIST. SLOPE**: The match line with the existing slope.
- HMA SURFACE COURSE, MIX N**: 168 LBS/SQ YD (406033XX)
- HMA LEVELING BINDER**: (84 OR 112 (BARE) LBS/SQ YD)
- HMA SURFACE REMOVAL OF SPECIFIED THICKNESS (OPTIONAL (3P) AND/OR REQUIRED (3R))**
- AGGREGATE SURFACE COURSE, TYPE B OR AGGREGATE SHOULDERS, TYPE B**
- INCIDENTAL HMA SURFACING**: (210 OR 224 LBS/SQ YD) (40800050)

The diagram illustrates a cross-section of a pavement structure. On the left, a vertical line marks the 'EDGE OF HMA'. To its right, a horizontal line indicates the 'MATCH EXIST. SLOPE'. The existing pavement layers are labeled from top to bottom: 'EXIST. HMA OVERLAY', 'EXIST. PAVEMENT', and 'EXIST. HMA OR PCC'. A new layer, 'HMA LEVELING BINDER (84 OR 112 (BARE) LBS/SQ YD)', is shown being applied over the existing HMA overlay. Above this binder, a layer of 'HMA SURFACE COURSE, MIX N, 168 LBS/SQ YD (406033XX)' is indicated. A vertical line on the far right marks the 'EXIST. R.O.W. LINE'. A sloped line labeled 'VARIES' represents the surface profile. A vertical dimension of '2 1/4" OR 2 1/2"' is shown near the edge of HMA. A vertical dimension of '1 1/2"' is shown near the R.O.W. line. A horizontal dimension of '10' (feet) is indicated at the bottom. A note at the bottom right specifies 'HMA SURFACE REMOVAL- SPL OR PORTLAND CEMENT CONCRETE SURFACE - BUTT JOINT'. A note at the bottom left specifies 'HMA SURFACE REMOVAL OF SPECIFIED THICKNESS (OPTIONAL (3P) AND/OR REQUIRED (3R))'. A note at the bottom center specifies 'INCIDENTAL HMA SURFACING (210 OR 224 LBS/SQ YD AVERAGE) (40800050)'.

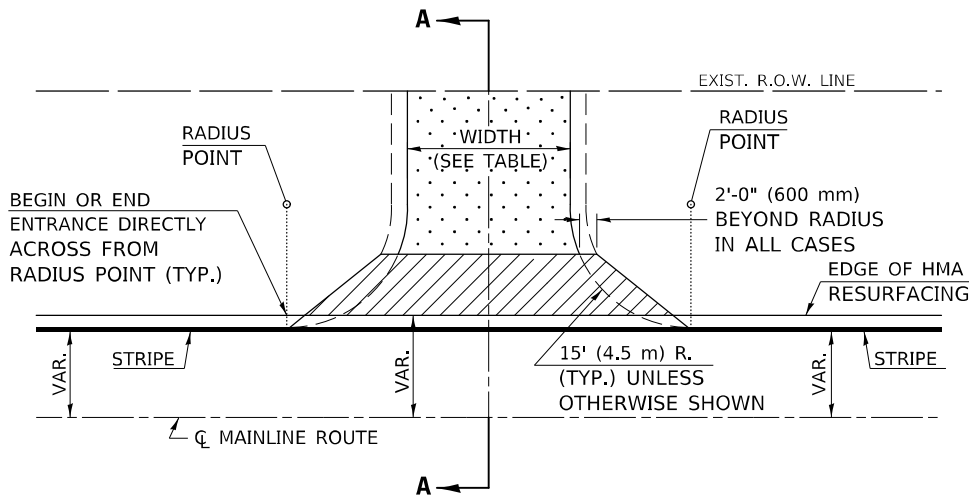
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	72
		CONTRACT NO. 70B04		
		ILLINOIS	FED. AID PROJECT	

SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA. TO STA.
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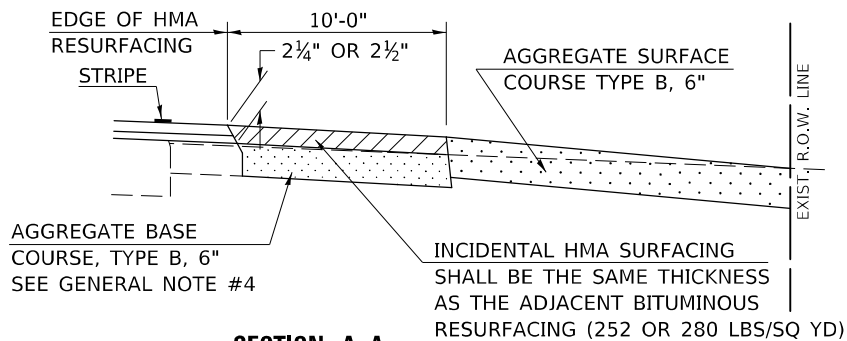
PROJECTS WITH RECONSTRUCTION

AGGREGATE ENTRANCE

(3R IMPROVEMENTS)

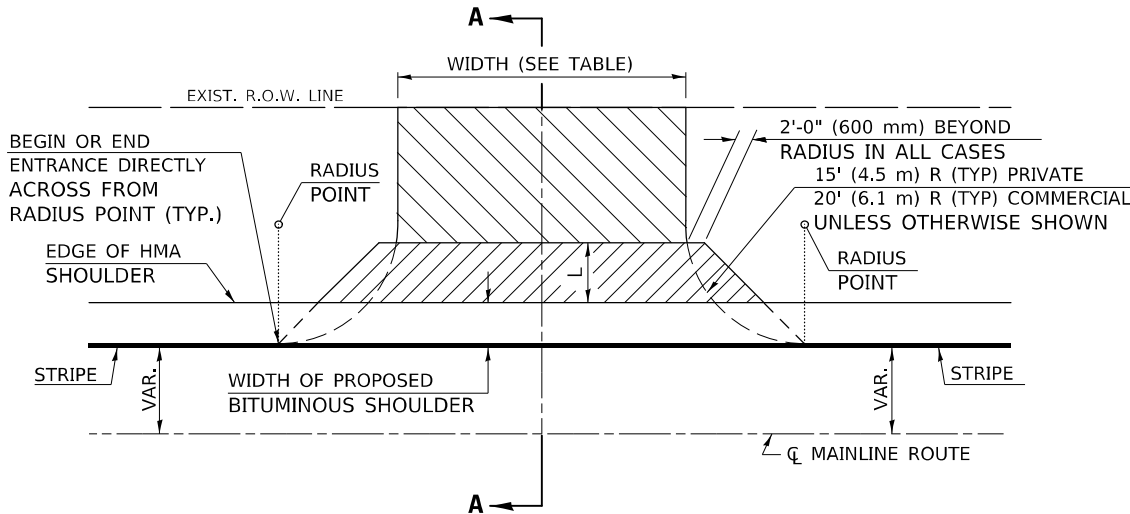


TYPICAL APPLICATION

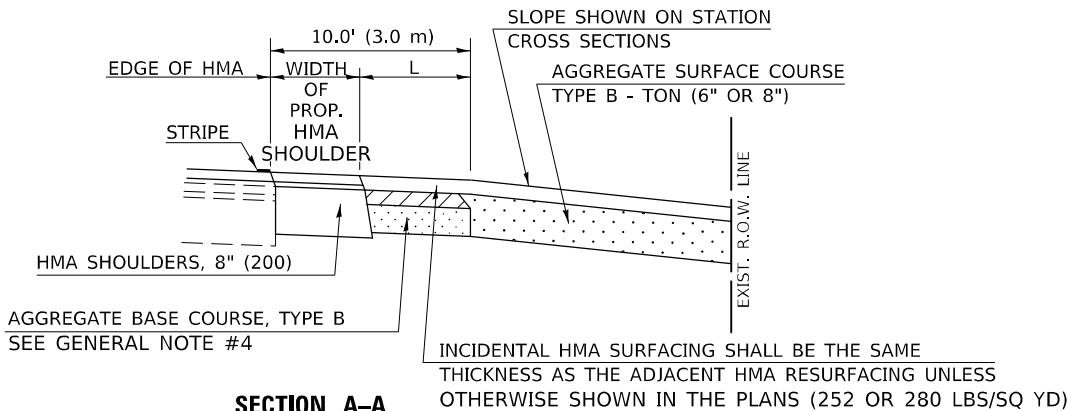


SECTION A-A

HMA OR PCC ENTRANCE



TYPICAL APPLICATION



SECTION A-A "HMA EXAMPLE"

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)														
	NEW CONSTRUCTION & 3R with CONSTRUCTION								3R w/out RECONSTRUCTION, 3P, SMART & CM					
	NONCOMMERCIAL					COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS					PRIVATE & FIELD					
DESIGN ELEMENT	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY		
						14	16	24						
						2 LANE, 2 WAY						2 LANE, 2 WAY		
						24	30	35				resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them		
RADIUS (FT)	15	25	40	30		20	30	50						
SHOULDER WIDTH (FT)	2	2		2		1	3							
SHOULDER SLOPE (%)	2	4	6	4		2	4	6						
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10						
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4						
SURFACE TYPE														
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8						

GENERAL NOTES

- THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
- ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
- AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
- THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
- EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".

TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050C

USER NAME = PlersonTJ	DESIGNED -	REVISED - 09/07 KAG
	DRAWN -	REVISED - 05/08 KJT
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED - 04/10 KJT
PLOT DATE = 1/26/2022	DATE -	REVISED - 3/6/17 SWN

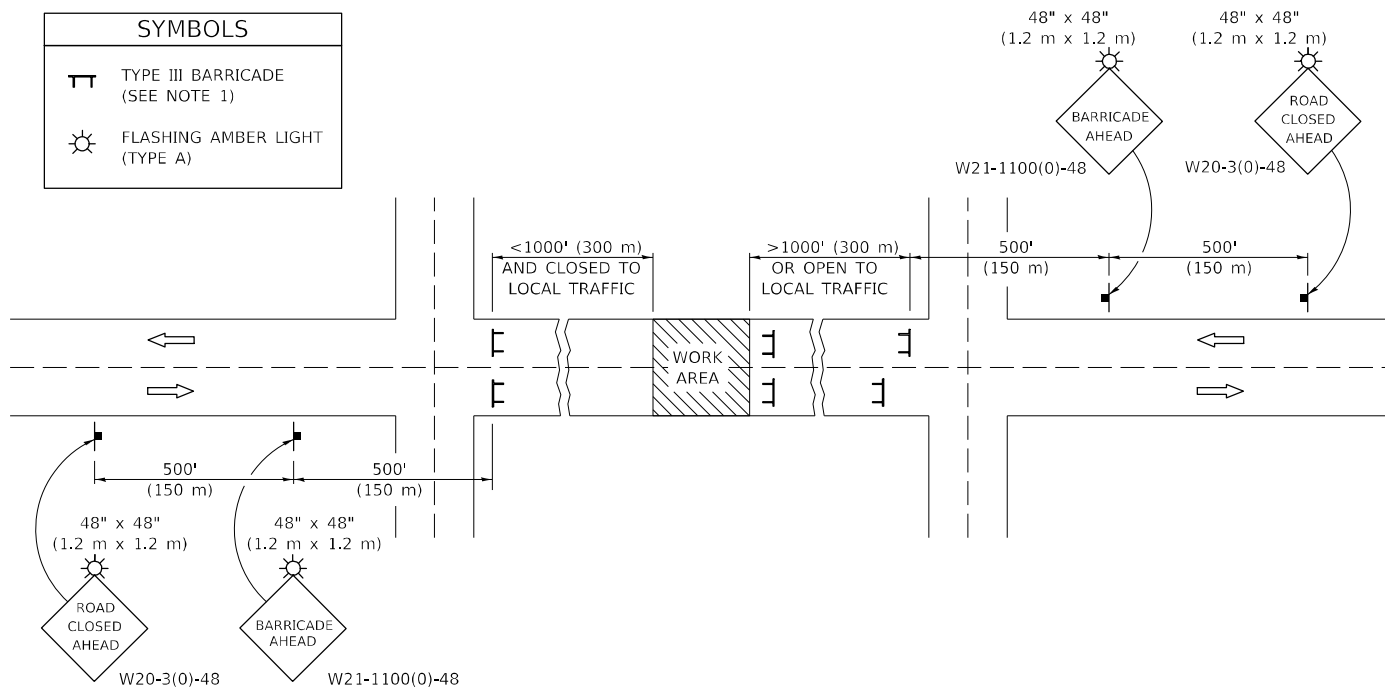
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	73
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

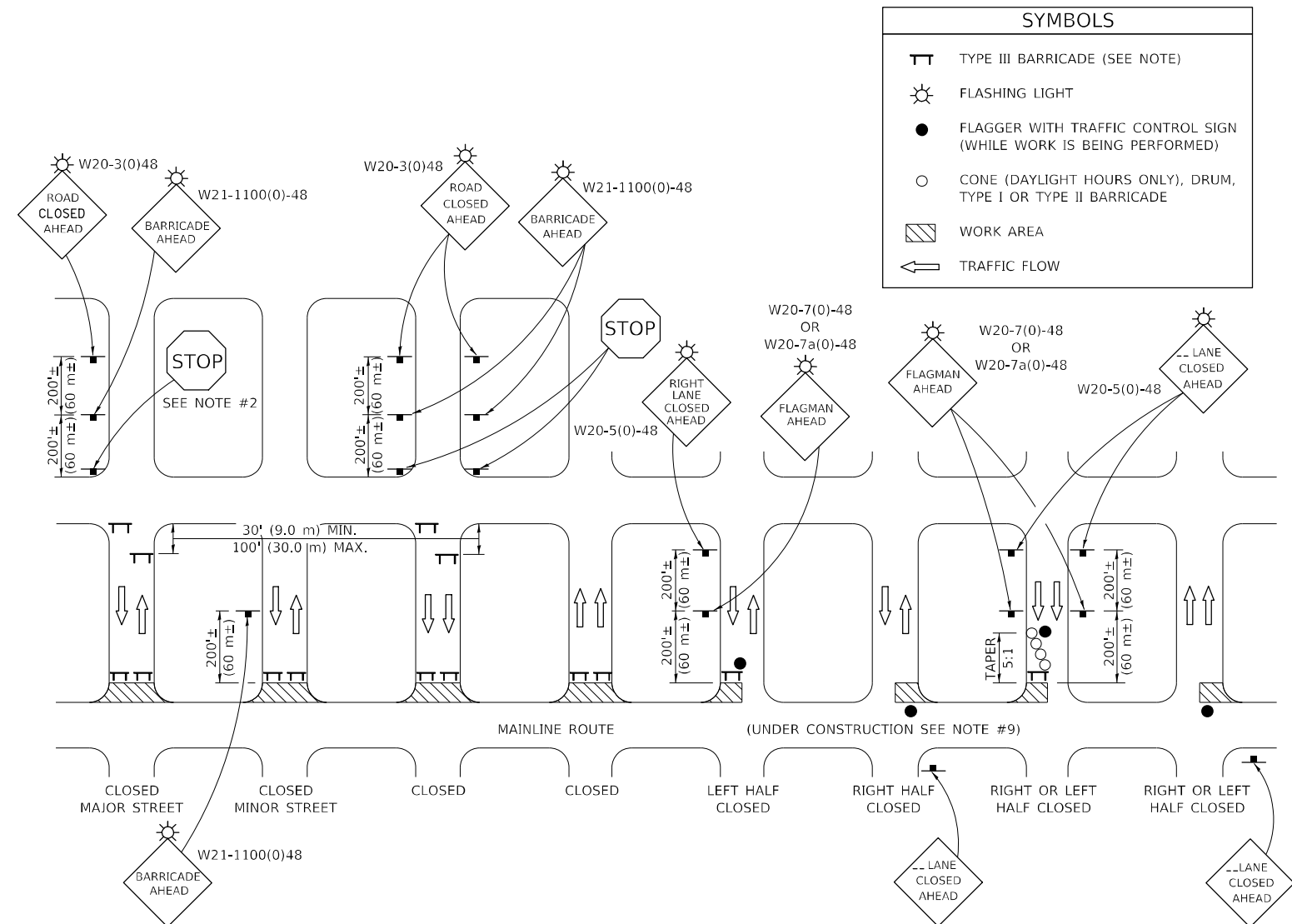
ROAD CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
3. WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
4. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
5. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
6. REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TY III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
7. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
8. A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. FORMS BT. 725 AND BT. 726 ARE REQUIRED.
11. WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
12. AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SIDEROAD / STREET CLOSURE



GENERAL NOTES

- | | | |
|--|---|--|
| 1. TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT. | 4. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS. | 8. THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS. |
| 2. WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN. | 5. ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS. | 9. ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04. |
| 3. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES. | 6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS. | |
| | 7. FORMS BT 725 AND BT 726 ARE REQUIRED. | |

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 70200000									
F.A.S. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.			
516		(250,251)RS,(10-7)RS-1		CHAMPAIGN	76	74			
					CONTRACT NO. 70B04				
SCALE: N.T.S.		SHEET 1 OF 1 SHEETS		STA. TO STA.					

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3¼" (83 mm) CONVEX SURVEY CAP FOR ⅝" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF ⅜" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1½" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

SPECIFICATIONS FOR REBAR

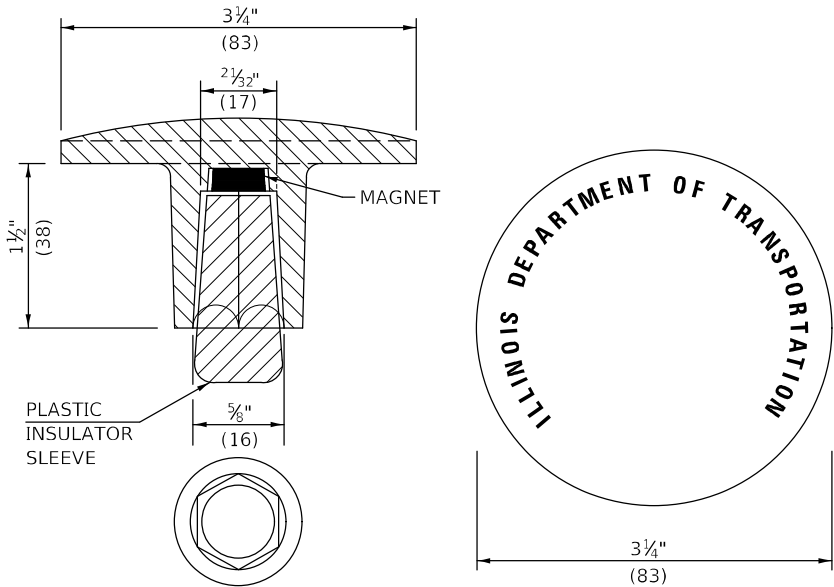
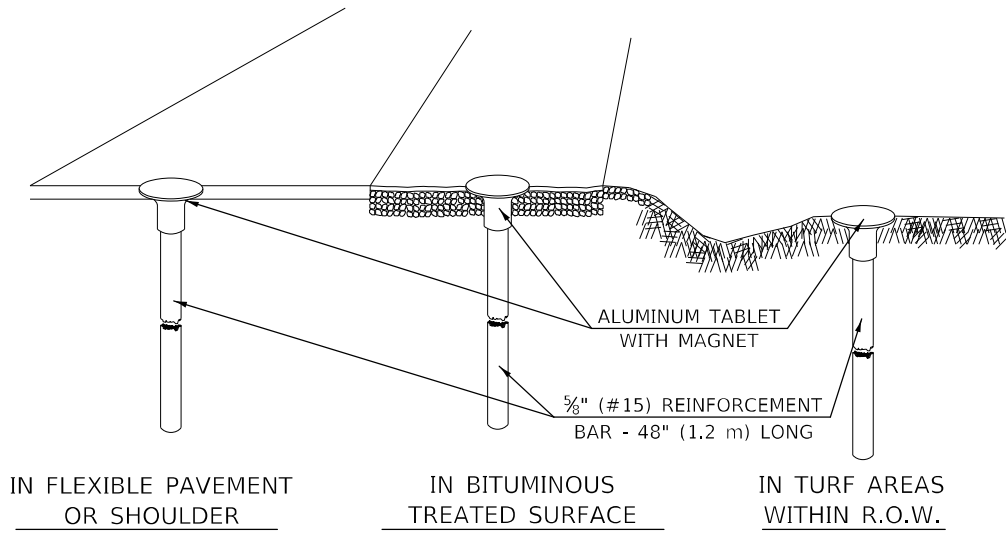
REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE ⅝" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR ⅝" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3¼" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF ⅜" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2½" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

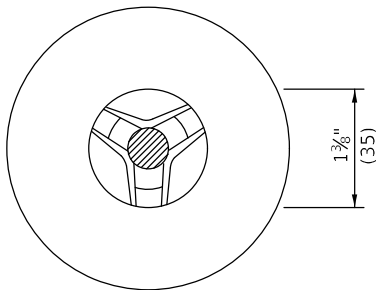
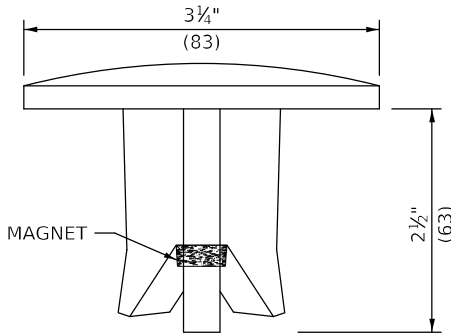
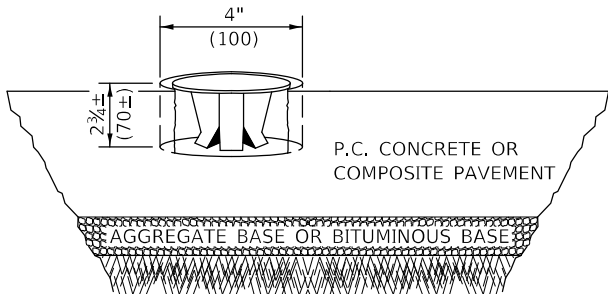
COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. XZ193AAA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

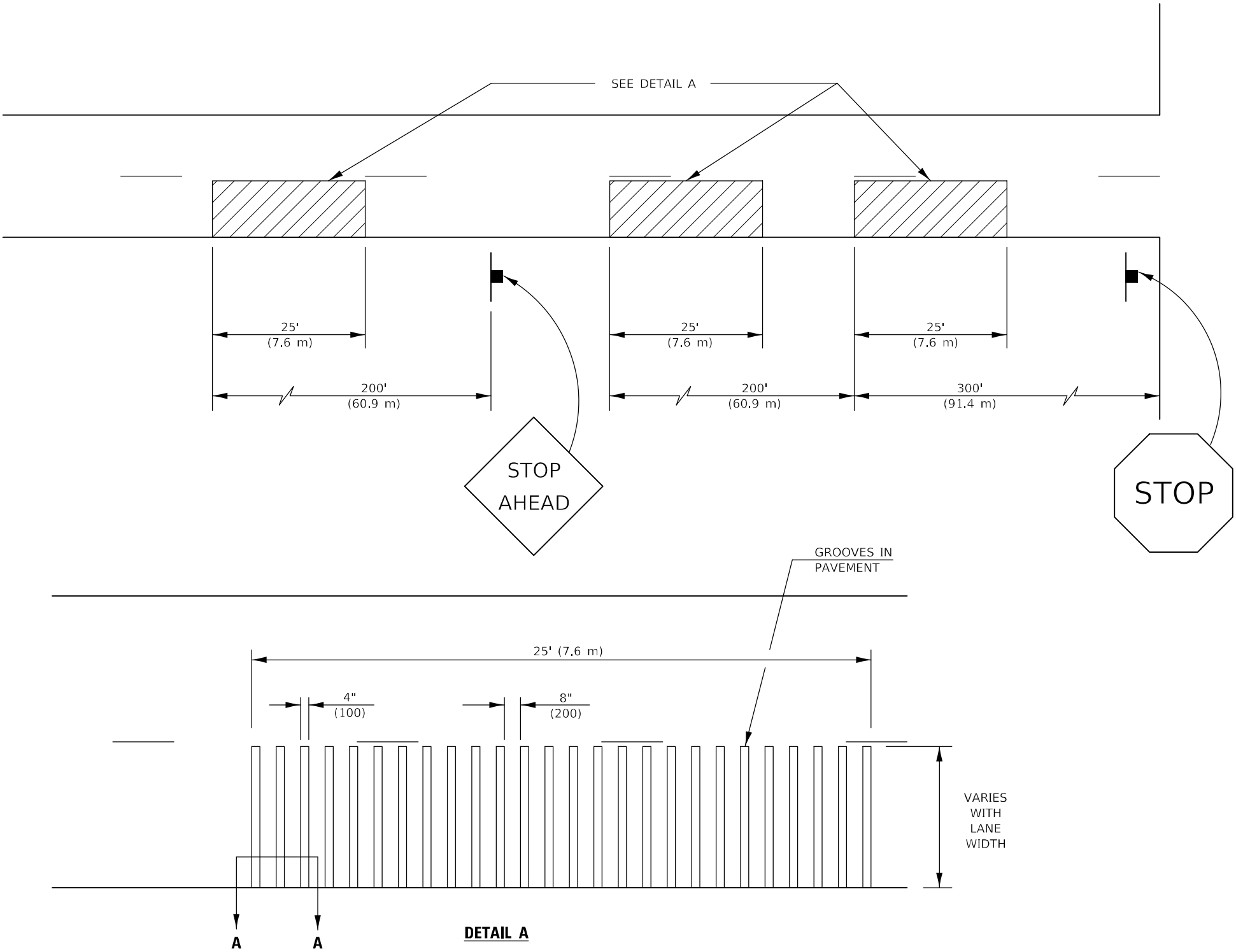
SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250.251)RS,(10-7)RS-1	CHAMPAIGN	76	75
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				

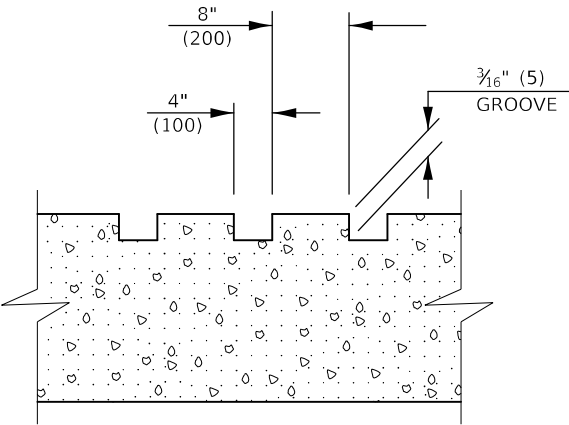
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PROJECT: 193300-193400
DRAWN: J. B. BENTLEY
CHECKED: J. B. BENTLEY
DATE: 1/26/2022
DISTRICT: 5
SHEET: 75
PROJECT: 70B04

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GENERAL NOTES

1. ALL GROOVES SHALL BE CONSTRUCTED USING A 4" (100 mm) MILLING HEAD OR SERIES OF 4" (100 mm) MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
2. THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' (7.6 m) INDIVIDUAL RUMBLE STRIP APPLIED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.



SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. Z0055300

USER NAME = PlersonTJ	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIP (ADVANCE OF INTERSECTIONS)

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
516	(250,251)RS,(10-7)RS-1	CHAMPAIGN	76	76
CONTRACT NO. 70B04				
ILLINOIS FED. AID PROJECT				