

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RY. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	GRS-4	GREENE/JERSEY	12	1
		BLANKET	CONTRACT NO. 76K71	

D-98-102-17



LOCATION OF SECTION INDICATED THUS: -

FUNCTIONAL CLASSIFICATION  
RURAL MINOR ARTERIAL  
2017 ADT = 2500  
P.V.=92.0% S.U.=3.6% M.U.=4.4%

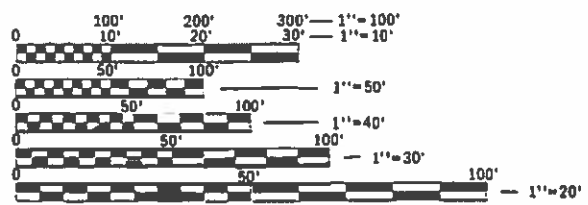
INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, HIGHWAY STANDARDS, MIXTURE REQUIREMENTS & COMMITMENTS
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- 9 EROSION CONTROL DETAILS
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# PROPOSED HIGHWAY PLANS

FAP ROUTE 304 (IL 16/ IL 100)  
SECTION 6RS-4  
PROJECT STP-5HGD(022)  
3P RESURFACING  
(0.1 MI S OF BUSBY LANE TO THE JOE PAGE BRIDGE)  
GREENE & JERSEY COUNTIES

C-98-217-18

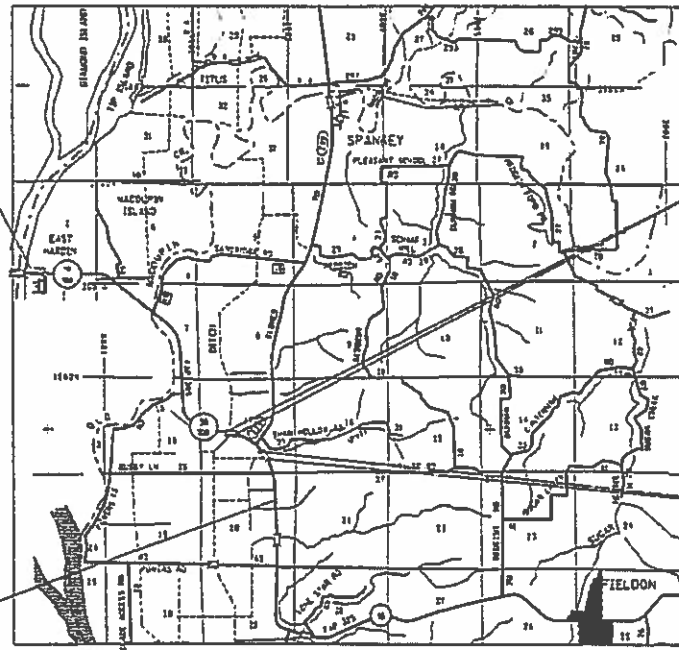


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: TIM PADGETT (618)346-3325  
PROJECT MANAGER: DREW RUHOLL (618)346-3454

CONTRACT NO. 76K71



END IMPROVEMENT:  
STA. 940+75  
LAT: 39.160092  
LONG: -90.608522

BEGIN IMPROVEMENT:  
STA 742+66  
LAT: 39.129547  
LONG: -90.563247

BRIDGE OMISSION  
SN 042-0003  
STA. 781+71 TO  
STA. 784+32  
(261FT)

BRIDGE OMISSION  
SN 042-0004  
STA. 756+65 TO  
STA. 757+95  
(130FT)



GROSS LENGTH = 19809 FT. = 3.752 MILE  
NET LENGTH = 19418 FT. = 3.678 MILE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Nov. 27 2018  
Jeffrey E. Kan...  
REGIONAL ENGINEER

Feb 1 2019  
Paul E. Ch...  
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 1 2019  
Paul E. Ch...  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

## HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482011-03	HMA SHOULDERS STRIPS/SHOULDERS WITH RESURFACING OR WIDENING PROJECTS
642006	SHOULDER RUMBLE STRIPS, 8 INCH
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS $\geq$ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

## GENERAL NOTES:

- ① ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	AERIAL	BURIED
*FRONTIER COMMUNICATIONS (COMMUNICATIONS)	x	x
*M.J.M. ELECTRIC COOPERATIVE, INC. (ELECTRIC)	x	

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ② THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ③ THE THICKNESS OF HOT-MIX-ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ④ AN ESTIMATED QUANTITY OF 4,390 TONS OF CUTTINGS FROM HMA REMOVAL IS ANTICIPATED.
- ⑤ NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
- ⑥ THE PROPOSED PAVEMENT MARKINGS SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKINGS, AS DIRECTED BY THE ENGINEER.
- ⑦ THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- ⑧ ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- ⑨ ALL TRAFFIC CONTROL DEVICES SHALL BE NEW OR "LIKE NEW" CONDITION AT THE BEGINNING OF THE PROJECT.
- ⑩ MTD CAN OPERATE IN AN UNLOADED CONDITION ON SN 042-0003, SN 042-0004, & SN 042-2424

## MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAP 304 (IL16/IL100)
SECTION	6RS-4
COUNTY	GREENE / JERSEY
CONTRACT	76K71

DESCRIPTION	3P RESURFACING ALONG IL 16/ IL 100 FROM THE JOE PAGE BRIDGE TO 0.1 MILES SOUTH OF BUSBY LANE
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ADT (CONSTRUCTION YR.):	2500
MU%	4.4
SU%	3.6
20 YR. ESAL'S	0.71

MIXTURE USE	SURFACE	LEVEL BINDER	INCIDENTAL
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (Gradation)	IL 9.5	IL 9.5 FG	IL 9.5
FRICTION AGG	MIXTURE "C"	MIXTURE "C"	MIXTURE "C"
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA

MIXTURE USE	SHOULDERS $\geq$ 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR Voids	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (Gradation)	IL 19.0L	IL 9.5L
FRICTION AGG		
QUALITY MGMT PROGRAM	QC/QA	QC/QA

Plan quantities for Bituminous Concrete Surface Course items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25mm thickness)

## COMMITMENTS

NONE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, HIGHWAY STANDARDS, MIXTURE REQUIREMENTS  
& COMMITMENTS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76K71	

USER NAME = ruholids	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/26/2018	DATE -	REVISED -

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				GREENE COUNTY	JERSEY COUNTY
				ROADWAY	ROADWAY
				0005	0005
				RURAL	RURAL
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	357	238	119
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	35019	23252	11767
40600637	LEVELING BINDER (MACHINE METHOD), 1L-9.5FG, N70	TON	2179	1447	732
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	415	363	52
40600990	TEMPORARY RAMP	SQ YD	277	243	34
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	4358	2894	1464
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	213	94	119
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	16	9	7
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	52266	34738	17528
44004250	PAVED SHOULDER REMOVAL	SQ YD	1224	1002	222
48100100	AGGREGATE SHOULDERS, TYPE A	TON	41	41	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1023	692	331
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	12201	8006	4195
48203100	HOT-MIX ASPHALT SHOULDERS	TON	91	74	17

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PLOT DATE = 11/26/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	3
CONTRACT NO. 76K71				
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	80% FED 20% STATE TOTAL QUANTITY	CONSTRUCTION CODE	
				GREENE COUNTY	JERSEY COUNTY
				ROADWAY	ROADWAY
				0005	0005
				RURAL	RURAL
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	37157	25173	11984
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	2	1
67100100	MOBILIZATION	LSUM	1	0.67	0.33
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	0.67	0.33
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.67	0.33
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	0.67	0.33
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	14	7	7
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5295	3507	1788
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	589	390	199
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	49633	31349	18284
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	49633	31349	18284
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	279	197	82
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	243	161	82
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	16545	10450	6095

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	80% FED 20% STATE TOTAL QUANTITY	CONSTRUCTION CODE	
				GREENE COUNTY	JERSEY COUNTY
				ROADWAY	ROADWAY
				0005	0005
				RURAL	RURAL
Ø Z0076600	TRAINEES	HOUR	2000	2000	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19418	12865	6553
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000	2000	
Z0034105	MATERIAL TRANSFER DEVICE	TON	6519	4323	2196

Ø 0042

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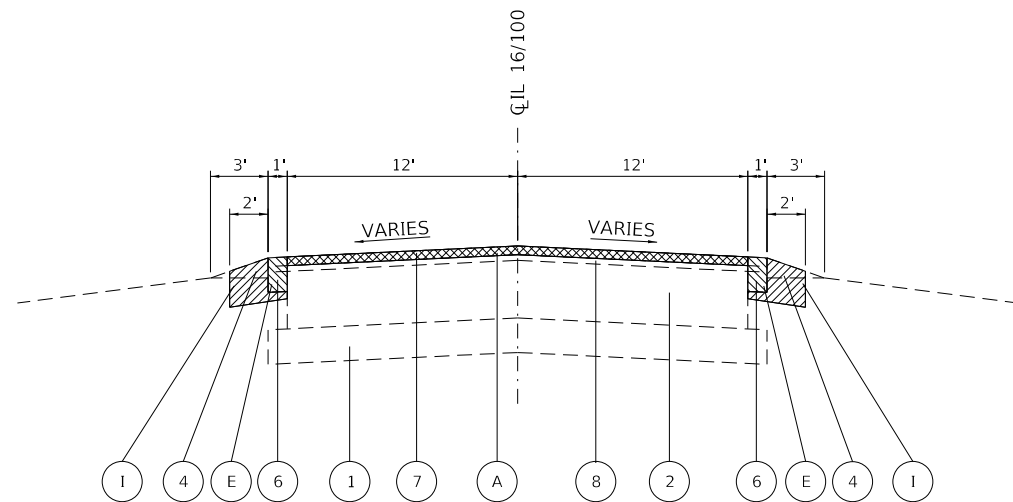
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	4
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION**

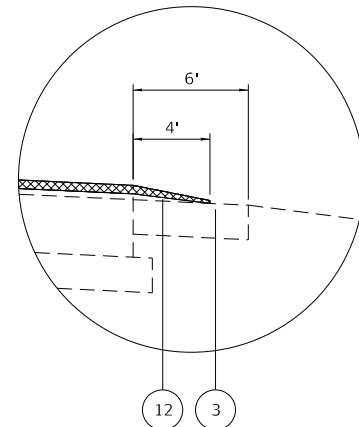
STA. 742+66 TO STA. 796+00

BRIDGE OMISSION STA. 756+65 TO STA. 757+95

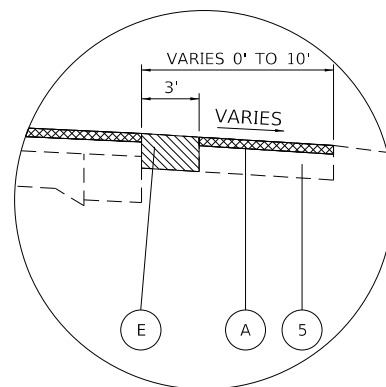
BRIDGE OMISSION STA. 781+71 TO STA. 784+32

**NO SHOULDER REMOVAL AT THESE LOCTIONS, SEE DETAIL A**

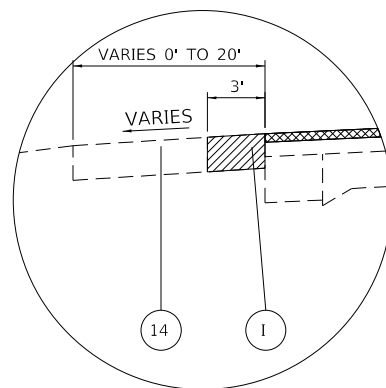
STA. 754+58 LT. TO STA. 756+65 LT.  
 STA. 755+26 RT. TO STA. 756+65 RT.  
 STA. 757+95 LT. TO STA. 757+95 LT.  
 STA. 757+95 RT. TO STA. 759+34 RT.  
 STA. 779+91 LT. TO STA. 781+71 LT.  
 STA. 780+45 RT. TO STA. 781+71 RT.  
 STA. 784+32 LT. TO STA. 786+84 LT.  
 STA. 784+32 RT. TO STA. 785+55 RT.



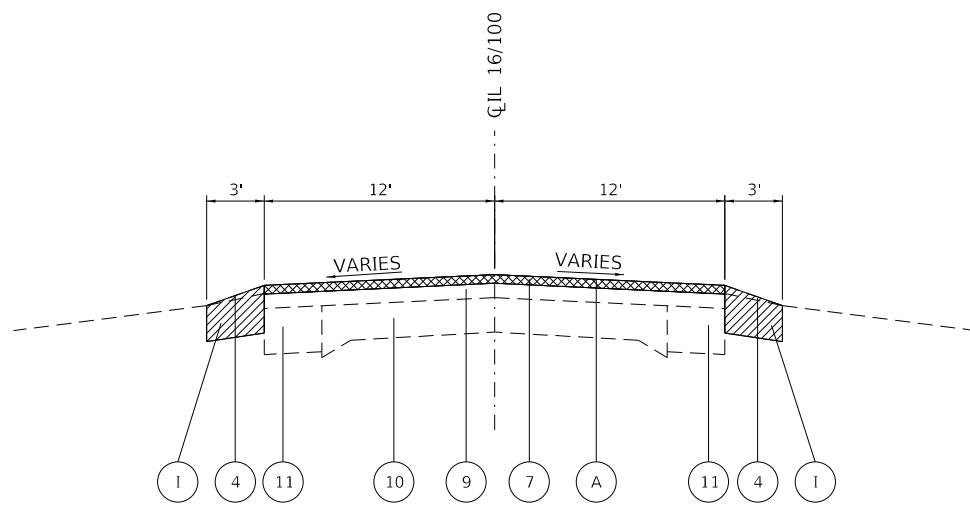
**(DETAIL A)**



**(DETAIL B)**



**(DETAIL C)**

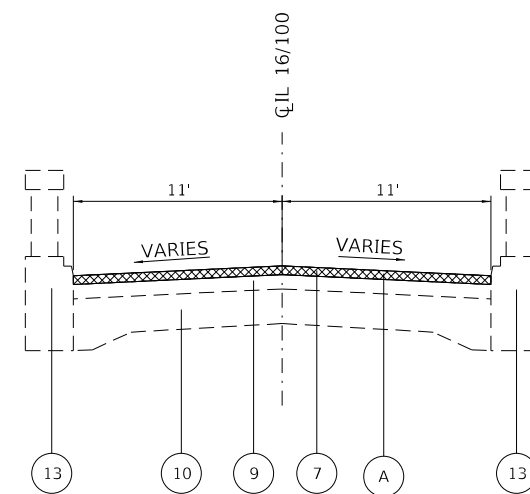


**EXISTING TYPICAL SECTION**

STA. 796+00 TO STA. 938+84

SEE DETAIL B FOR RT. STA 882+75 TO STA. 884+75

SEE DETAIL C FOR LT. STA 830+83 TO STA. 833+48



**EXISTING TYPICAL SECTION**

STA. 938+84 TO STA. 940+75

**LEGEND**

- ① EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- ② EXISTING PCC PACEMENT 10"
- ③ EXISTING HMA SHOULDER 9"
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING HMA SHOULDER (AGRICULTURAL TURN AROUND), DEPTH UNKNOWN
- ⑥ EXISTING HMA SHOULDER 3 1/2"
- ⑦ EXISTING HMA SURFACE COURSE. 1 1/2"
- ⑧ EXISTING HMA LEVELING BINDER 1"
- ⑨ EXISTING HMA RESURFACING, VARIES
- ⑩ EXISTING PCC PAVEMENT (9"-6"-9")
- ⑪ EXISTING HMA BASE COURSE WIDENING, 8"
- ⑫ EXISTING HMA SHOULDER, VARIES
- ⑬ EXISTING CONCRETE RAIL
- ⑭ EXISTING AGGREGATE SHOULDER
- A PROPOSED HMA SURFACE REMOVAL 1 1/2"
- B PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- C PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 3/4"
- D PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
- E PROPOSED PAVED SHOULDER REMOVAL
- F PROPOSED HMA SHOULDER 2 1/4"
- G PROPOSED HMA SHOULDERS 8" (SEE NOTE \*\*)
- H PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- I PROPOSED EXCAVATING AND GRADING EXISTING SHOULDERS
- J PROPOSED LONGITUDINAL JOINT SEALANT (ONLY THE BETWEEN BINDER AND SURFACE)
- K PROPOSED AGGREGATE SHOULDERS, TYPE A

NOTE\*\*: SEE RESURFACING DETAILS FOR SHOULDER CONSTRUCTION

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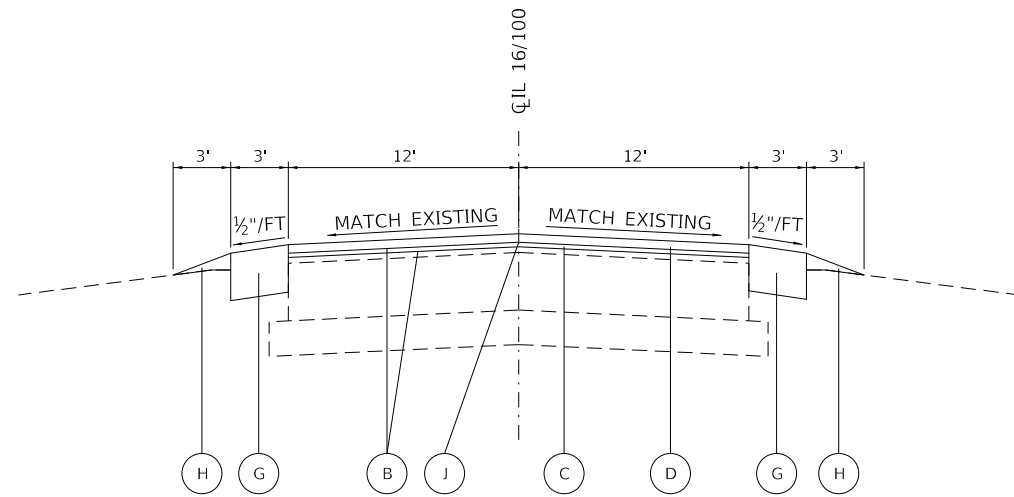
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PLOT DATE = 11/26/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	5
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				



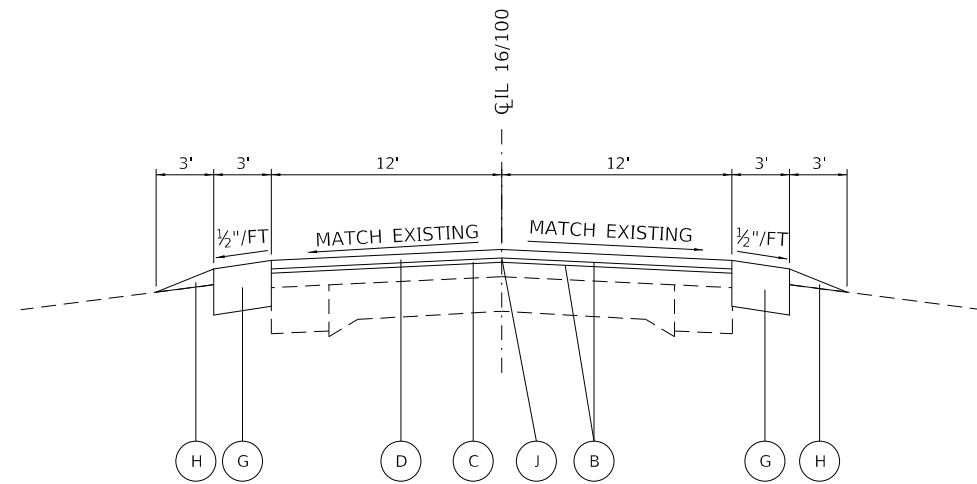
**PROPOSED TYPICAL SECTION**

STA. 742+66 TO STA. 796+00

BRIDGE OMISSION STA. 756+65 TO STA. 757+95  
BRIDGE OMISSION STA. 781+71 TO STA. 784+32

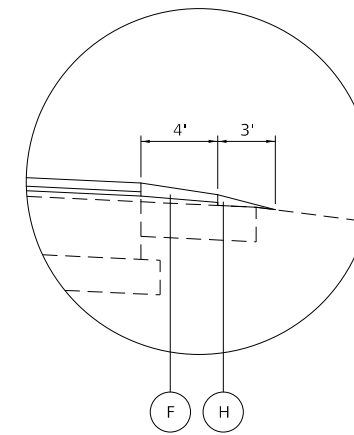
**NO SHOULDER REMOVAL AT THESE LOCTIONS, SEE DETAIL A**

STA. 754+58 LT. TO STA. 756+65 LT.  
STA. 755+26 RT. TO STA. 756+65 RT.  
STA. 757+95 LT. TO STA. 757+95 LT.  
STA. 757+95 RT. TO STA. 759+34 RT.  
STA. 779+91 LT. TO STA. 781+71 LT.  
STA. 780+45 RT. TO STA. 781+71 RT.  
STA. 784+32 LT. TO STA. 786+84 LT.  
STA. 784+32 RT. TO STA. 785+55 RT.

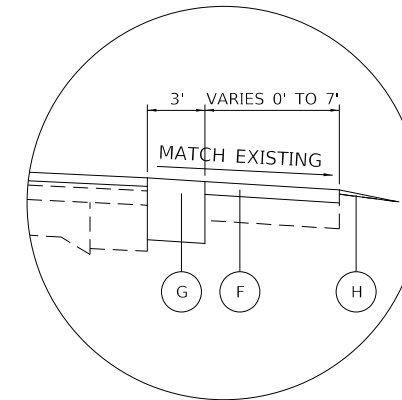


**PROPOSED TYPICAL SECTION**

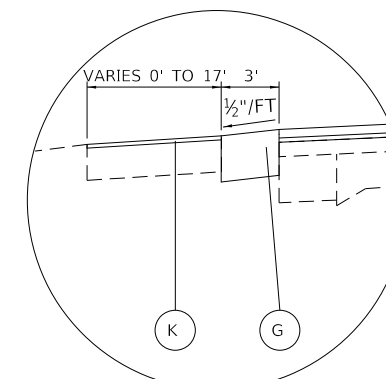
STA. 796+00 TO STA. 938+84  
SEE DETAIL B FOR RT. STA 882+75 TO STA. 884+75  
SEE DETAIL C FOR LT. STA 830+83 TO STA. 833+48



**(DETAIL A)**



**(DETAIL B)**

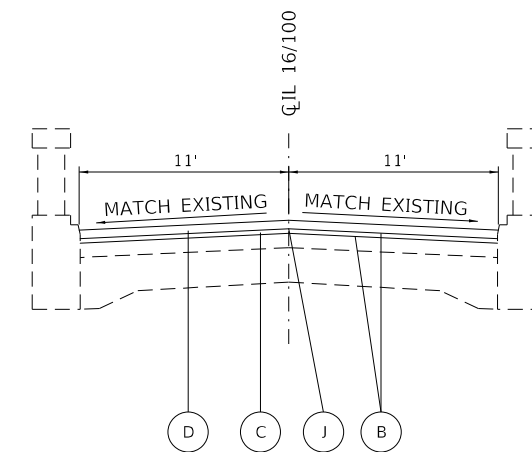


**(DETAIL C)**

**LEGEND**

- ① EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- ② EXISTING PCC PACEMENT 10"
- ③ EXISTING HMA SHOULDER 9"
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING HMA SHOULDER (AGRICULTURAL TURN AROUND), DEPTH UNKNOWN
- ⑥ EXISTING HMA SHOULDER 3 1/2"
- ⑦ EXISTING HMA SURFACE COURSE. 1 1/2"
- ⑧ EXISTING HMA LEVELING BINDER 1"
- ⑨ EXISTING HMA RESURFACING, VARIES
- ⑩ EXISTING PCC PAVEMENT (9"-6"-9")
- ⑪ EXISTING HMA BASE COURSE WIDENING, 8"
- ⑫ EXISTING HMA SHOULDER, VARIES
- ⑬ EXISTING CONCRETE RAIL
- ⑭ EXISTING AGGREGATE SHOULDER
- (A) PROPOSED HMA SURFACE REMOVAL 1 1/2"
- (B) PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- (C) PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 3/4"
- (D) PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
- (E) PROPOSED PAVED SHOULDER REMOVAL
- (F) PROPOSED HMA SHOULDER 2 1/4"
- (G) PROPOSED HMA SHOULDERS 8" (SEE NOTE \*\*)
- (H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (I) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDERS
- (J) PROPOSED LONGITUDINAL JOINT SEALANT (ONLY BETWEEN THE BINDER AND SURFACE)
- (K) PROPOSED AGGREGATE SHOULDERS, TYPE A

NOTE\*\*: SEE RESURFACING DETAILS FOR SHOULDER CONSTRUCTION



**PROPOSED TYPICAL SECTION**

STA. 938+84 TO STA. 940+75

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USER NAME = ruholids	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/26/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	6
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				

LOCATION		PAVEMENT MARKING SCHEDULE														
		THERMOPLASTIC PAVEMENT MARKING				RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING REMOVAL		
		LINE - 5"								LINE - 4"						
STA	TO	STA	SOLID WHITE EDGELINE <sup>1</sup>	SOLID DOUBLE YELLOW	SKIP-DASH YELLOW CENTERLINE	SOLID YELLOW	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	
742+66	TO	756+65	2675		350			17	17	381	42.3	2675		350		1008.3
756+65	TO	757+95	BRIDGE OMISSION													
757+95	TO	781+71	4581		594			30	30	648	72.0	4581		594		1725.0
781+71	TO	784+32	BRIDGE OMISSION													
784+32	TO	796+00	2336		292			15	15	318	35.3	2336		292		876.0
796+00	TO	824+20	5598		705			35	71	768	85.3	5598		705		2101.0
824+20	TO	875+22	10148	576	1204	2290		64	64	1392	154.7	10148	576	1204	2290	4739.3
GREENE COUNTY SUBTOTAL			25338	576	3145	2290		161	197	3507	389.6	25338	576	3145	2290	10449.6
GREENE COUNTY TOTAL			31349					161	197	3507	390	31349				10450
875+22	TO	940+75	13066	1216	1486	2516		82	82	1788	198.7	13066	1216	1486	2516	6094.7
JERSEY COUNTY SUBTOTAL			13066	1216	1486	2516		82	82	1788	198.7	13066	1216	1486	2516	6094.7
JERSEY COUNTY TOTAL			18284					82	82	1788	199	18284				6095
GRAND TOTAL			49633					243	279	5295	589	49633				16545

<sup>1</sup> FINAL QUANTITY INCLUDES SIDEROAD OMISSIONS

<sup>2</sup> RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE AT 40 FOOT SPACING BETWEEN STA. 796+00 TO 824+20

LOCATION		SHOULDER SCHEDULE											
		HMA SURFACE REMOVAL 1.5"	HMA SHOULDERS (2 1/4")	PAVED SHOULDER REMOVAL	EXCAVATING AND GRADING EXISTING SHOULDER <sup>5</sup>	HMA SHOULDERS, 8"	AGGREGATE WEDGE SHOULDERS, TYPE B <sup>5,7</sup>	AGGREGATE SHOULDERS, TYPE A	SHOULDER RUMBLE STRIPS <sup>3,5</sup> 8 INCH				
STA	TO	STA	SIDE	SQ YD	TON	SQ YD	UNIT	SQ YD	TON	TON	TON	TON	FOOT
742+66	TO	755+26	RT			140.0	12.60	420.0	35.0				1260
755+26	TO	756+65	RT	55.1	5.2				2.6				92
756+65	TO	757+95	RT	BRIDGE OMISSION									
757+95	TO	759+34	RT	55.1	7.8				3.9				139
759+34	TO	780+45	RT			215.6	19.40	646.7	53.9				1940
780+45	TO	781+71	RT	49.3	7.1				3.5				126
781+71	TO	784+32	RT	BRIDGE OMISSION									
784+32	TO	785+55	RT	48.0	6.9				3.4				123
785+55	TO	796+00	RT			116.1	10.45	348.3	29.0				1045
796+00	TO	875+22	RT				78.66	2622.0	218.5				7866
742+66	TO	754+58	LT			124.0	11.16	372.0	31.0				1116
754+58	TO	756+65	LT	85.3	11.6				5.8				207
756+65	TO	757+95	LT	BRIDGE OMISSION									
757+95	TO	759+97	LT	83.1	11.3				5.6				202
759+97	TO	779+91	LT			221.6	19.94	664.7	55.4				1994
779+91	TO	781+71	LT	73.3	10.1				5.0				180
781+71	TO	784+32	LT	BRIDGE OMISSION									
784+32	TO	786+84	LT	105.3	14.1				7.0				252
786+84	TO	796+00	LT			101.8	9.16	305.3	25.4				916
796+00	TO	830+83	LT				34.41	1147.0	95.6				3441
830+83	TO	833+48	LT				2.65	88.3		40.6			265
833+48	TO	875+22	LT				39.24	1391.3	109.0				4009
GREENE COUNTY SUBTOTAL				554.5	74.1	919.1	237.67	8005.6	689.6	40.6			25173
GREENE COUNTY TOTAL				555	74	919	238	8006	690	41			25173
875+22	TO	882+75	RT				6.93	251.0	19.3				693
882+75	TO	884+45	RT	132.2	16.7	56.7		56.7					170
884+45	TO	938+84	RT				50.84	1784.7	141.2				5114
938+84	TO	940+75	RT										
875+22	TO	938+84	LT				61.42	2102.3	170.6				6007
938+84	TO	940+75	LT										
JERSEY COUNTY SUBTOTAL				132.2	16.7	56.7	119.19	4194.7	331.1	0.0			11984
JERSEY COUNTY TOTAL				132	17	57	119	4195	331	0			11984
GRAND TOTAL				687	91	976	357	12201	1021	41			37157

<sup>3</sup> FINAL QUANTITY INCLUDES SIDE ROAD OMISSIONS

<sup>4</sup> SEE SIDEROAD SCHEDULE FOR ADDITIONAL QUANTITIES

<sup>5</sup> FINAL QUANTITY INCLUDES ENTRANCE OMISSIONS

<sup>6</sup> SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITIES

<sup>7</sup> SEE MAINLINE RESURFACING SCHEDULE FOR ADDITIONAL QUANTITIES

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PLOT DATE = 11/26/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	7
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				

ENTRANCE SCHEDULE							
LOCATION		TYPE	LENGTH FOOT	WIDTH FOOT	BITUMINOUS MATERIALS (TACK COAT) <sup>6</sup> POUND	INCIDENTAL HMA RESURFACING <sup>6</sup> TON	PAVED SHOULDER REMOVAL <sup>3</sup> SQ YD
STATION	RT/LT						
760+62	LT	AGG	20				
775+13	LT	AGG	20				
782+05	RT	AGG	35				
796+22	RT	AGG	30				
796+22	LT	EARTH	30				
801+80	RT	EARTH	20				
827+22	RT	EARTH	30				
845+83	RT	AGG	30				
848+99	LT	AGG	20				
850+93	LT	HMA	45	3	6.8	0.3	15.0
851+39	LT	AGG	50				
853+36	LT	HMA	45	3	6.8	0.3	15.0
860+54	LT	HMA	25	3	3.8	0.2	8.3
861+19	LT	HMA	35	3	5.3	0.2	11.7
870+95	LT	HMA	35	3	5.3	0.2	11.7
871+88	LT	HMA	30	3	4.5	0.2	10.0
873+37	LT	HMA	35	3	5.3	0.2	11.7
GREENE COUNTY SUBTOTAL					37.8	1.6	83.4
GREENE COUNTY TOTAL					38	2	83
875+97	RT	HMA	60	3	9.0	0.4	20.0
878+95	LT	AGG	25				
879+28	LT	HMA	40	3	6.0	0.3	13.3
891+28	RT	HMA	30	3	4.5	0.2	10.0
892+41	RT	HMA	45	3	6.8	0.3	15.0
904+32	LT	AGG	50				
906+39	LT	AGG	15				
906+94	LT	AGG	25				
908+80	LT	AGG	20				
910+00	LT	AGG	20				
920+03	RT	HMA	30	3	4.5	0.2	10.0
923+99	LT	HMA	45	3	6.8	0.3	15.0
927+66	RT	CONCRETE	45	6	13.5	0.9	
929+00	LT	HMA	35	3	5.3	0.2	11.7
930+04	LT	AGG	50	3	7.5	0.4	
931+44	RT	HMA	35	3	5.3	0.2	11.7
932+21	RT	HMA	35	3	5.3	0.2	11.7
934+66	LT	CONCRETE	55	6	16.5	1.2	
936+00	LT	AGG	150				
936+63	RT	HMA	45	3	6.8	0.3	15.0
938+59	RT	HMA	50	3	7.5	0.4	16.7
938+62	LT	HMA	45	3	6.8	0.3	15.0
JERSEY COUNTY SUBTOTAL					112.1	5.8	165.1
JERSEY COUNTY TOTAL					112	6	165
GRAND TOTAL					150	8	248

<sup>3</sup> SEE SHOULDER SCHEDULE FOR ADDITIONAL QUANTITIES

<sup>6</sup> SEE SIDEROAD SCHEDULE FOR ADDITIONAL QUANTITIES

MAINLINE RESURFACING SCHEDULE									
LOCATIONS			HMA SURFACE REMOVAL 1.5" <sup>3</sup>	BITUMINOUS MATERIALS (TACK COAT) <sup>6</sup>	LEVELING BINDER (MACHINE METHOD) <sup>6</sup> , IL-9.5FG, N70	HMA SURFACE COURSE, M <sub>1</sub> X "C", N70	LONGITUDINAL JOINT SEALANT	MATERIAL TRANSFER DEVICE	
STA	TO	STA	SQ YD	POUND	TON	TON	FOOT	TON	
742+66	TO	756+65	3650.7	2518.2	156.7	313.4	1399	470.1	
756+65	TO	757+95	BRIDGE OMISSION						
757+95	TO	781+71	6296	4276.8	266.1	532.2	2376	798.3	
781+71	TO	784+32	BRIDGE OMISSION						
784+32	TO	875+22	24200	16362.0	1018.1	2036.2	9090	3054.3	
GREENE COUNTY SUBTOTAL			34146.7	23157.0	1440.9	2881.8	12865	4322.7	
GREENE COUNTY TOTAL			34147	23157	1441	2882	12865	4323	
875+22	TO	938+84	16965.3	11451.6	712.5	1425.1	6362	2137.6	
938+84	TO	940+75	430.2	315.2	19.6	39.2	191	58.8	
JERSEY COUNTY SUBTOTAL			17395.5	11766.8	732.1	1464.3	6553	2196.4	
JERSEY COUNTY TOTAL			17396	11767	732	1464	6553	2196	
GRAND TOTAL			51543	34924	2173	4346	19418	6519	

<sup>2</sup> THERE IS APPROXIMATELY 90 SQ YD OF EXISTING CONCRETE PATCHING WHICH WILL BE MILLED AND WILL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL 1.5"

<sup>3</sup> SEE SHOULDER SCHEDULE FOR ADDITIONAL QUANTITIES

<sup>6</sup> SEE SIDEROAD SCHEDULE FOR ADDITIONAL QUANTITIES

BUTT JOINT SCHEDULE						
STATION	LOCATION	LENGTH FOOT	WIDTH FOOT	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	
				SQ YD	SQ YD	SQ YD
742+66	IL 16/100	15.0	24.0	40.0		20.0
755+84	SHAW HALLOW RD	47.0	3.5	18.3		18.3
756+65	IL 16/100	15.0	30.0	50.0		25.0
757+95	IL 16/100	15.0	30.0	50.0		25.0
760+68	ELDRED RD	171.0	3.5	66.5		66.5
781+71	IL 16/100	15.0	30.0	50.0		25.0
784+32	IL 16/100	15.0	30.0	50.0		25.0
823+99	POWERS RD	42.0	3.5	16.3		16.3
873+47	SANDRIDGE	56.0	3.5	21.8		21.8
GREENE COUNTY SUBTOTAL				362.9		242.9
GREENE COUNTY TOTAL				363		243
903+66	COUNTY RD 1700N	40.0	3.5	15.6		15.6
940+75	IL 16/100	15.0	22.0	36.7		18.3
JERSEY COUNTY SUBTOTAL				52.3		33.9
JERSEY COUNTY TOTAL				52		34
GRAND TOTAL				415		277

<sup>7</sup> THE TEMPORARY RAMPS LOCATED AT THE SIDE ROADS CANNOT BE CONSTRUCTED AT A TAPER RATE OF 40:1 WITHOUT IMPACTING THE MAINLINE PAVEMENT RESURFACING. THE TEMPORARY RAMPS AT THE SIDEROADS SHALL BE CONSTRUCTED TO THE EDGE OF PAVEMENT (WIDTH OF 3.5FT) AT THESE LOCATIONS.

SIDEROAD SCHEDULE										
LOCATION			SIDEROAD LENGTH	SIDEROAD WIDTH	BITUMINOUS MATERIALS (TACK COAT) <sup>4</sup>	INCIDENTAL HMA SURFACING <sup>5</sup>	HMA SURFACE REMOVAL 1.5" <sup>3</sup>	LEVELING BINDER (MACHINE METHOD) <sup>6</sup> , IL-9.5FG, N70	HMA SURFACE COURSE, M <sub>1</sub> X "C", N70	AGGREGATE WEDGE SHOULDER, TYPE B
NAME	STATION	RT/LT	FOOT	FOOT	POUND	TON	SQ YD	TONS	TONS	TONS
BUSBY LN	745+95	LT	SEE RESURFACING DETAILS			95.3	35.8	5.9	11.9	2.1
SHAW HALLOW RD	755+84	RT	47	3.5	8.2	1.0				
ELDRED RD	760+68	RT	171	3.5	29.9	3.7				
POWERS RD	823+99	LT	42	3.5	7.4	0.9				
SANDRIDGE RD	873+47	RT	56	3.5	9.8	1.2				
GREENE COUNTY SUBTOTAL					150.6	6.8	35.8	5.9	11.9	2.1
GREENE COUNTY TOTAL					151	7	36	6	12	2
COUNTY RD 1700N	903+66	RT	40	3.5	7.0	0.9				
JERSEY COUNTY SUBTOTAL					7.0	0.9	0.0	0.0	0.0	0.0
JERSEY COUNTY TOTAL					7	1	0	0	0	0
GRAND TOTAL					158	8	36	6	12	2

<sup>1</sup> 95 POUNDS OF BITUMINOUS MATERIALS (TACK COAT) WILL BE PAID AS 4060029 AT BUSBY LN.

<sup>3</sup> SEE SHOULDER SCHEDULE FOR ADDITIONAL QUANTITIES

<sup>4</sup> SEE MAINLINE RESURFACING SCHEDULE FOR ADDITIONAL QUANTITIES

<sup>5</sup> SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITIES

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	8
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				

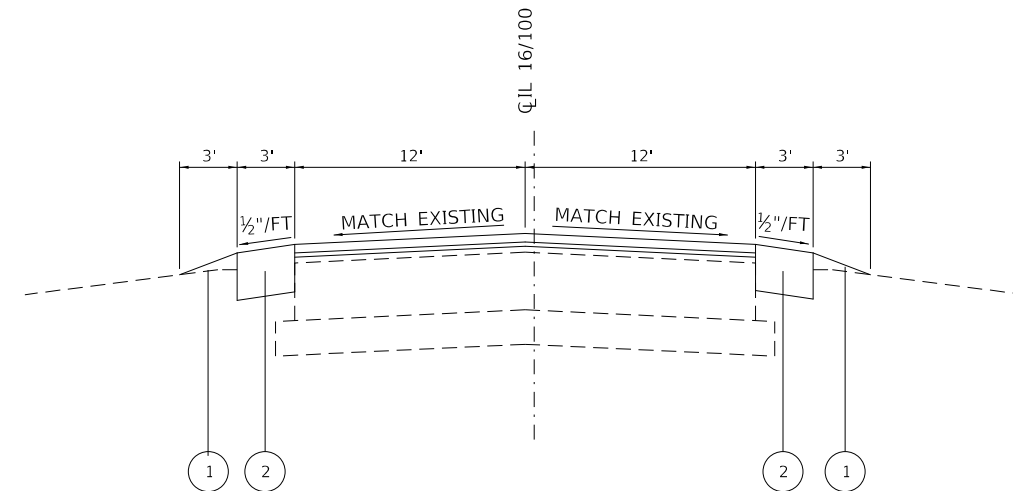


### EROSION AND SETTLEMENT CONTROL

1. THE WORK DESCRIBED ON THESE DRAWINGS ARE THE INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN THE NPDES FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS OR DOWNSTREAM AREAS. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE SITE AT ALL TIMES.
3. TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
5. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED USING PERMANENT MEASURES.
6. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT THE INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THE INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY SEVEN DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/2 INCH.
7. THE CONTRACTOR SHALL REMOVE ALL EXCAVATED MATERIAL FOR THE CONSTRUCTION OF THE 3FT HMA SHOULDERS FROM THE JOB SITE UNLESS DIRECTED BY THE RESIDENT ENGINEER.
8. THE CONTRACTOR SHALL REPLACE THE MATERIAL REMOVED FOR THE CONSTRUCTION OF THE 3FT HMA SHOULDER WITH THE FIRST LIFT OF THE HMA SHOULDER WITHIN THE SAME DAY TO PREVENT SEDIMENT EROSION.
9. THE EXCAVATED MATERIAL FROM THE CONSTRUCTION OF THE 3FT HMA SHOULDERS SHALL NOT BE DEPOSITED ON THE SHOULDER UNLESS DIRECTED BY THE RESIDENT ENGINEER.

### LEGEND

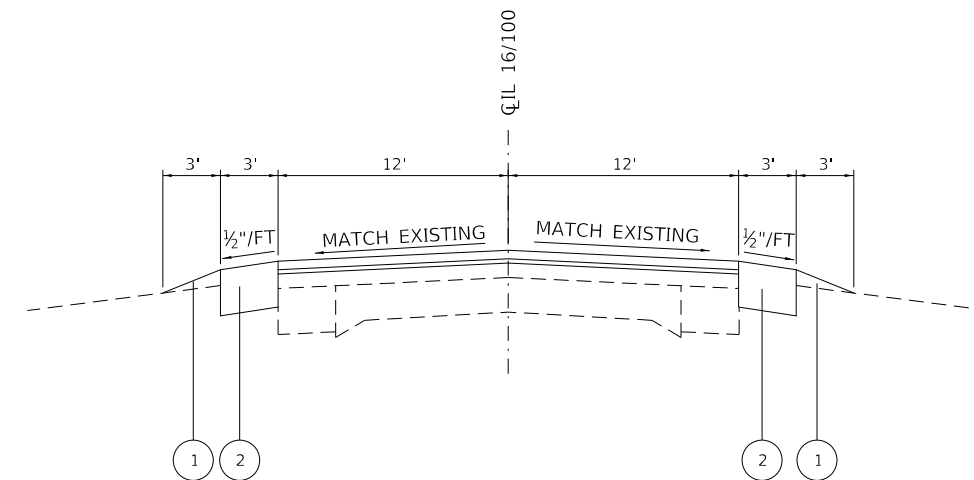
- ① PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ② PROPOSED HMA SHOULDER, 8"



### TYPICAL EROSION CONTROL SECTION

STA. 742+66 TO STA. 796+00 (SEE NOTE BELOW)

NOTE: SEE THE SHOULDER SCHEDULE FOR PAVED SHOULDER REMOVAL AND EXCAVATION AND GRADING OF EXISTING SHOULDERS OMISSIONS.



### TYPICAL EROSION CONTROL SECTION

STA. 796+00 TO STA. 938+84

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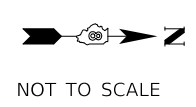
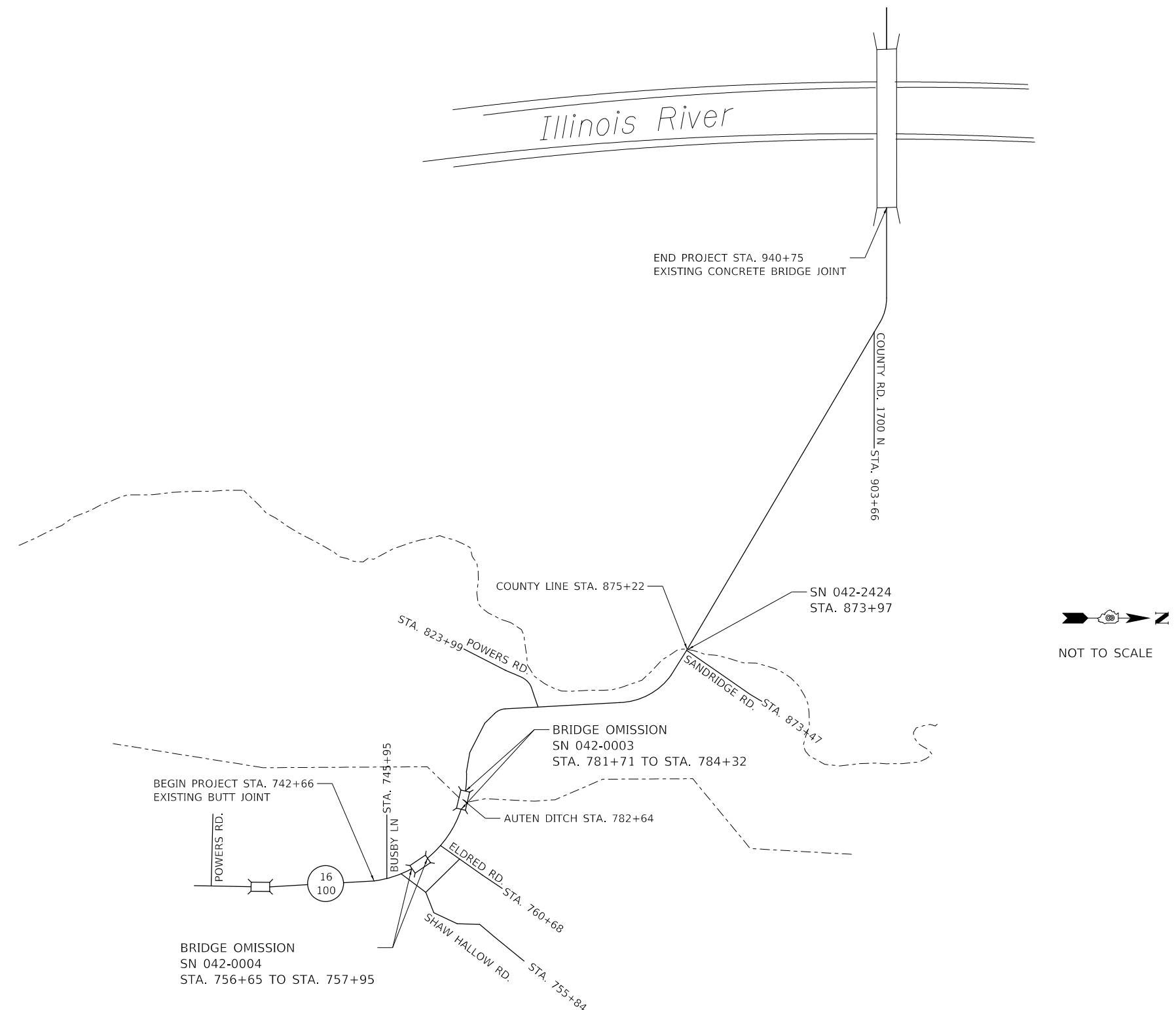
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### EROSION CONTROL DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	9
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				

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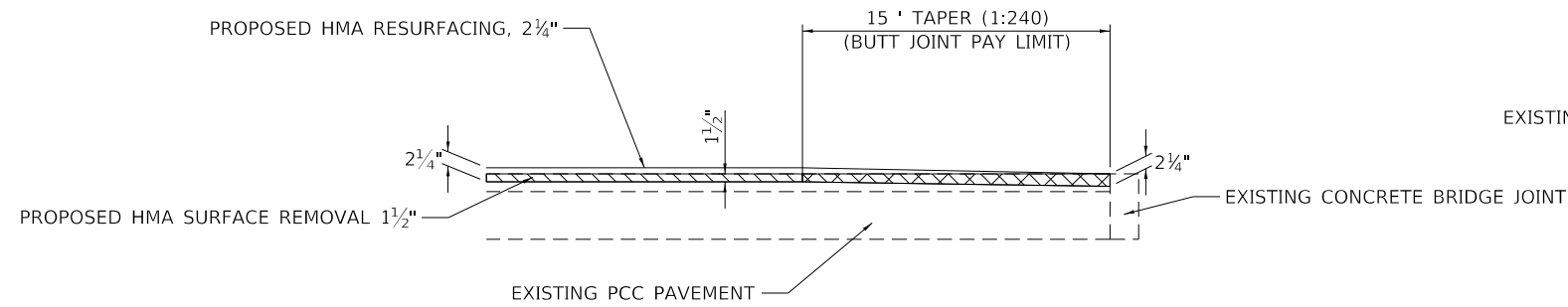
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

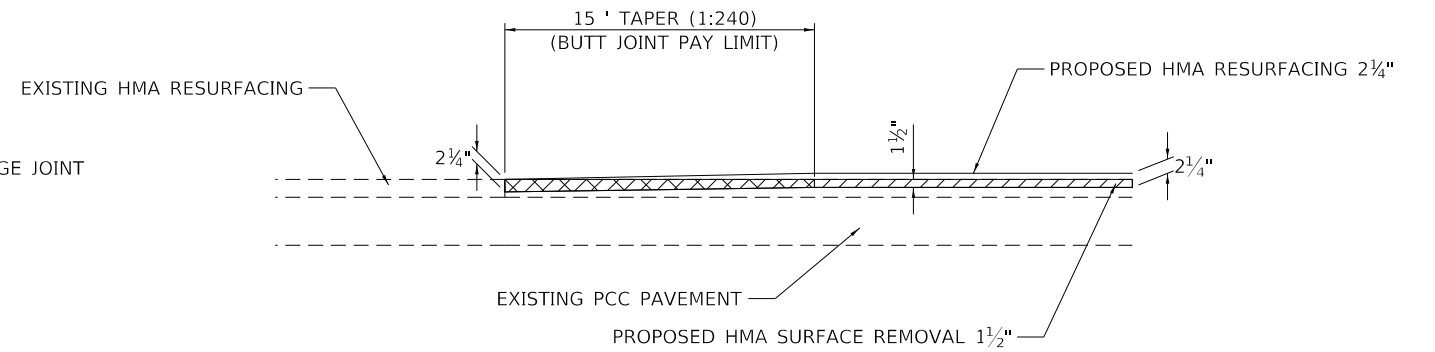
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	10
CONTRACT NO. 76K71				
		ILLINOIS	FED. AID PROJECT	



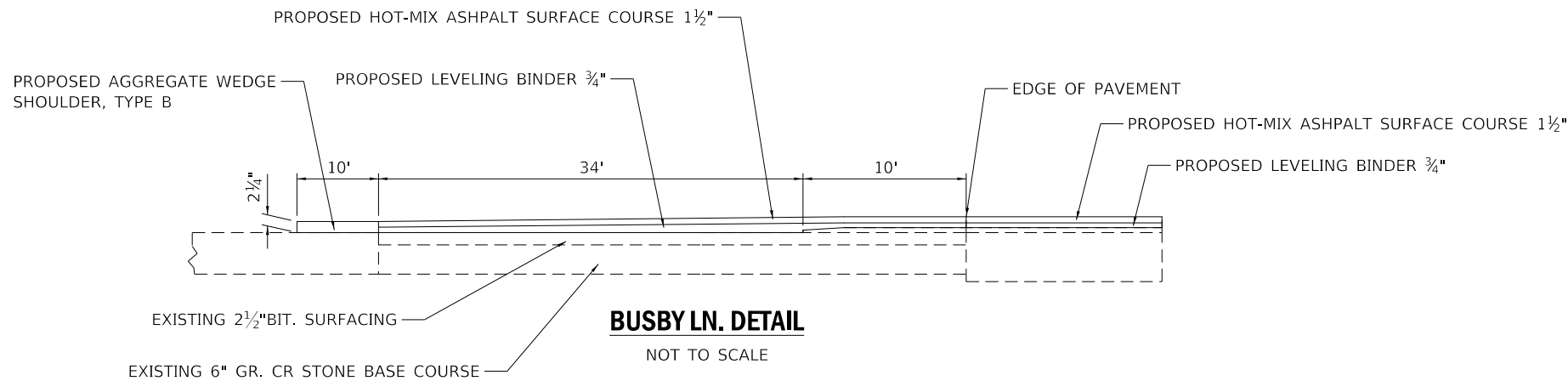
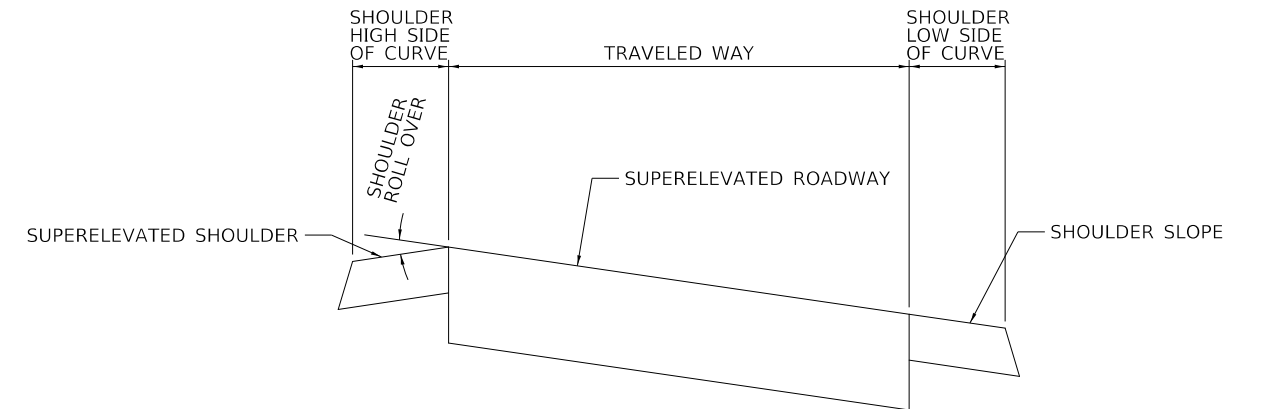
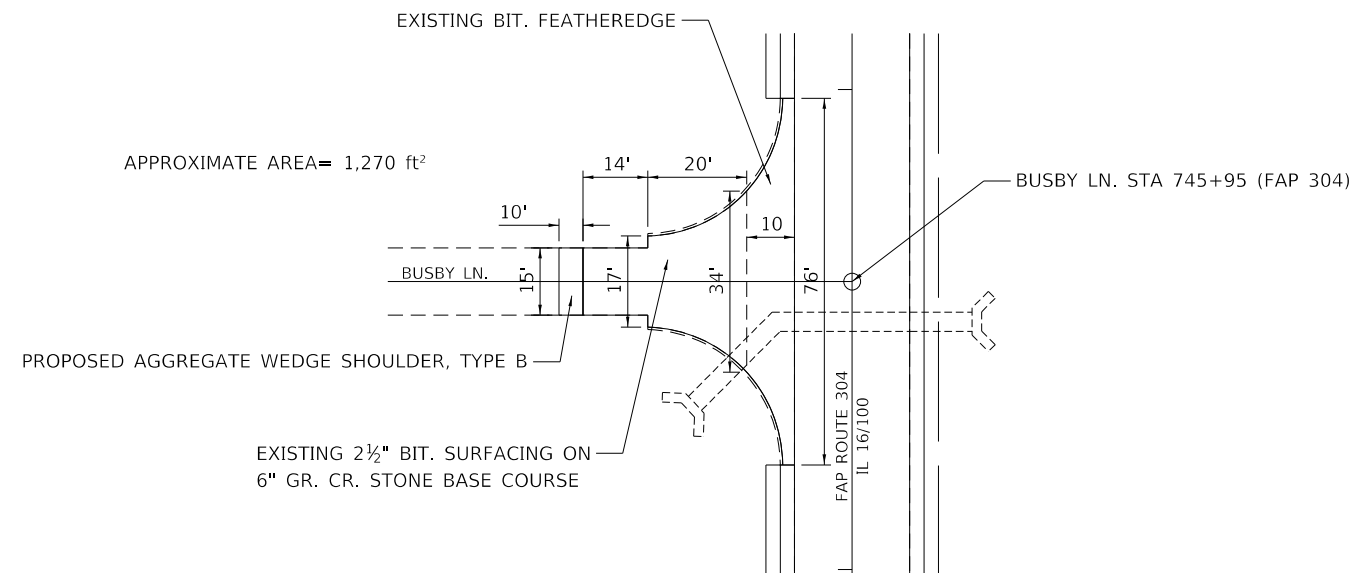
**END BUTT JOINT DETAIL AND STRUCTURE BUTT JOINT DETAIL**

ELEVATION VIEW



**BEGIN BUTT JOINT DETAIL**

ELEVATION VIEW



**BUSBY LN. DETAIL**

NOT TO SCALE

TRAVELED WAY	SHOULDER SLOPE		ROLLOVER
	HIGH SIDE	LOW SIDE	
(%)	(%)	(%)	(%)
3.5%	4.0%	4.0%	7.5%
4.0%	4.0%	4.0%	8.0%
4.5%	3.5%	4.5%	8.0%
5.0%	3.0%	5.0%	8.0%
5.5%	2.5%	5.5%	8.0%
6.0%	2.0%	6.0%	8.0%
6.5%	1.5%	6.5%	8.0%
7.0%	1.0%	7.0%	8.0%
7.5%	0.5%	7.5%	8.0%
8.0%	0.0%	8.0%	8.0%

NOTE: ANY CHANGES TO THE VALUES SHOWN MUST BE APPROVED BY THE RESIDENT ENGINEER. THE MAXIMUM ROLLOVER SHALL NOT EXCEED 8.0%.

**SHOULDER DETAIL FOR SUPERELEVATED CURVES**

NOT TO SCALE

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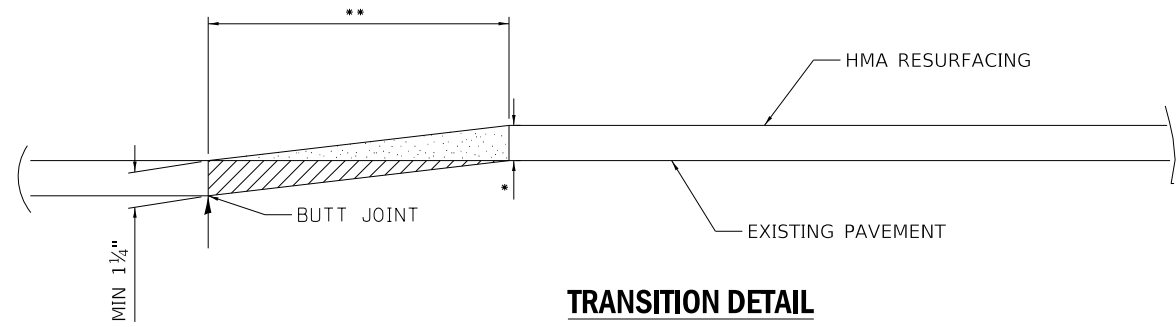
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PLOT DATE = 11/26/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING DETAILS**

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

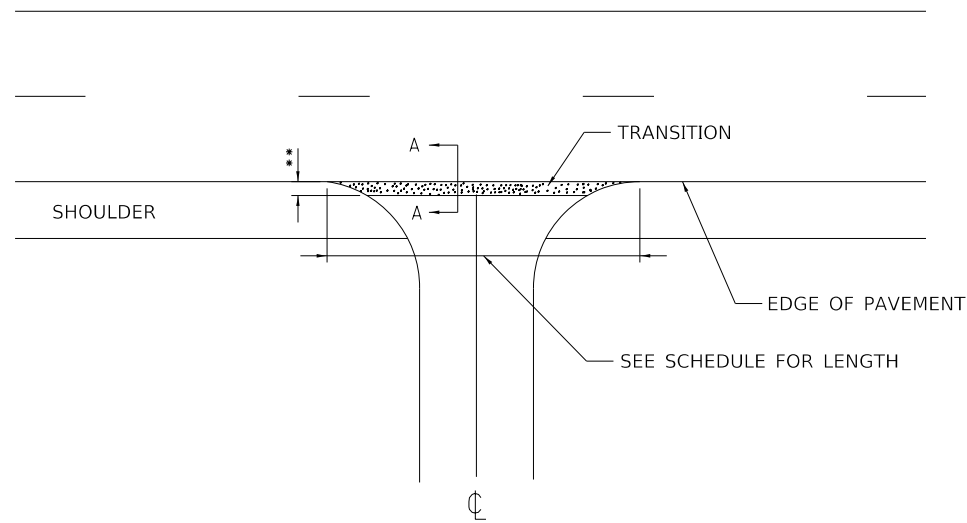
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	11
CONTRACT NO. 76K71				
ILLINOIS FED. AID PROJECT				



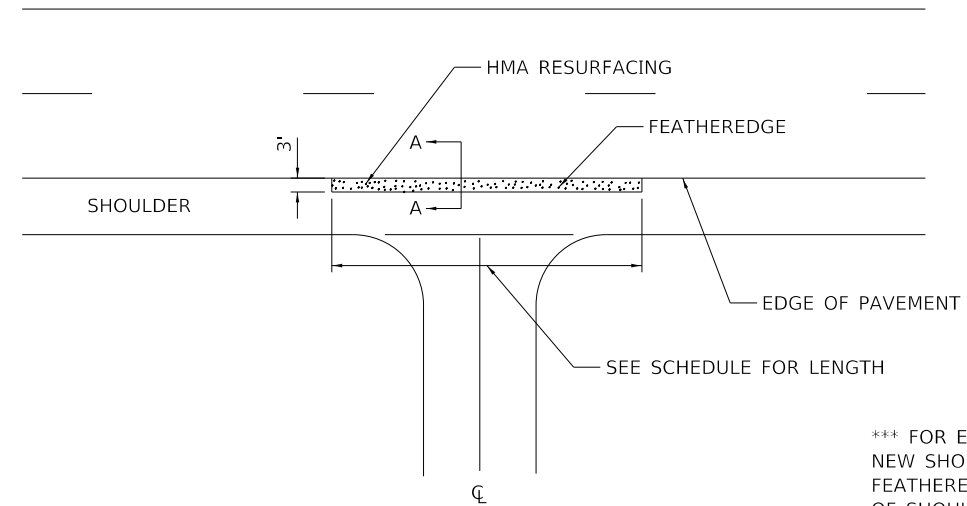
**TRANSITION DETAIL  
SECTION A-A  
BUTT-JOINT ADDITION**



**FEATHEREDGE DETAIL  
SECTION A-A**



**SIDE ROAD DETAIL**



**ENTRANCE DETAIL \*\*\***

\*\*\* FOR ENTRANCES WITHIN THE LIMITS OF NEW SHOULDER CONSTRUCTION, THE FEATHEREDGE SHALL BEGIN AT THE EDGE OF SHOULDER

*EOP ELEVATION CHANGE	** TOTAL TRANSITION LENGTH
1/4"	3.0'
3/4"	3.5'
1"	5.0'
1 1/2"	7.5'
2"	10.0'
2 1/2"	12.5'
3"	15.0'
3 1/2"	17.5'
4"	20.0'
4 1/2"	22.5'
5"	25.0'
5 1/2"	27.5'
6"	30.0'

NOTE:  
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE

MODEL: Default  
FILE: \\nashc-pw\illinois\B&E\BID\NTEC\Illinois\gov\PI\DOT\Documents\DOT\_Offices\Director\B\Projects\0876K71\CADD\data\CAD\sheet\0876K71-sh-detail.dgn

USER NAME = ruholids	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/26/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	6RS-4	GREENE/JERSEY	12	12
CONTRACT NO. 76K71				
		ILLINOIS	FED. AID PROJECT	