



**I-69 EVANSVILLE TO INDIANAPOLIS TIER 2 STUDIES**

**Section 5—Final Environmental Impact Statement**

**APPENDIX KK  
PROPOSED PAVEMENT TREATMENT**



SB Lanes											
	ID	Typical	STA Range	MP	Widened Shoulder (Outside for 3-Lane Section)	Recommended Treatment for Existing Shoulders	Recommended Treatment for Existing Travel Lanes	3rd Lane	New Inside Shoulder	Existing SB Pavement Section	
Subsection 5A	0	TS 1	1552+00	97.1	<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+8.5" HMA, 7" Raise)</b> 1.5" Milling of Existing HMA 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 0.0"+7.0" HMA, 7" Raise)</b> Milling, Scarify/Profile 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 330 lbs/syd (3.0") QC/QA HMA 4, 64, Base, 25 mm	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Typical Section D</b> 8" CRCP over 4" HMA (Existing Underdrains)	
			1591+00	97.8							
			1591+00	97.8							
	Subsection 5B	1	TS IA	1614+45	98.3	<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+4.0" HMA, 2.5" Raise)</b> 1.5" Milling of Existing HMA 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 1.5"+4.0" HMA, 2.5" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Typical Section C</b> 4.5" HMA 8" CRCP over 4" HMA (Existing Underdrains)
				1651+00	99.0						
2		TS CD	1651+00	99.0							
			1661+50	99.2							
			1661+50	99.2							
3		TS IA	1670+00	99.3							
			1670+00	99.3							
4		TS RR	1724+50	100.4							
			1724+50	100.4							
Subsection 5C		5	TS 1	1730+50	100.5						
	1730+50			100.5							
	6	TS 2	1743+89	100.7							
			1743+89	100.7							
	7	TS 1	1776+00	101.3							
			1776+00	101.3							
	8	TS 3	1796+00	101.7							
			1796+00	101.7							
	9	TS 1	1823+46	102.2							
			1823+46	102.2							
10	TS 1B	1850+00	102.7	Arlington Bridge	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	
		1850+00	102.7								
		1864+50									
		1864+50									



SB Lanes											
	ID	Typical	STA Range	MP	Widened Shoulder (Outside for 3-Lane Section)	Recommended Treatment for Existing Shoulders	Recommended Treatment for Existing Travel Lanes	3rd Lane	New Inside Shoulder	Existing SB Pavement Section	
Subsection 5D	11	8-1	1869+50		<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+6.5" HMA, 5.0" Raise)</b> 1.5" Milling of Existing HMA 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 1, 64, Intermediate, 19 mm	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 1.5"+6.5" HMA, 5.0" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 5, 76, Intermediate, 19 mm	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	
			1971+00	105 0							
			1971+00	105 0							
			2018+50								
			2018+50	Walnut St. Bridge	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)
			2023+50								
			2023+50		<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+6.5" HMA, 5.0" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 1, 64, Intermediate, 19 mm	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 1.5"+6.5" HMA, 5.0" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 5, 76, Intermediate, 19 mm	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	
			2040+50	106 3							
			2040+50	106 3							
			2065+00	106 8							
			2065+00	106 8	<b>HMA New Pavement - Shoulder Widening</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>*HMA Overlay - Existing Shoulders</b> 1.5" Milling of Existing HMA 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm	<b>*HMA Overlay - Existing Travel Lanes</b> <b>(Mill 0" + 7" HMA, 7.0" Raise)</b> Milling, Scarify/Profile 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 330 lbs/syd (3.0") QC/QA HMA 4, 64, Base, 25 mm	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Typical Section D</b> 8" CRCP over 4" HMA (Existing Underdrains)	
			2073+00	107 0							
			2073+00	107 0							
			2091+00	107 3							
			2091+00	107 3	<b>HMA New Pavement - Shoulder Widening</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>*HMA Overlay - Existing Shoulders</b> 1.5" Milling of Existing HMA 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm	<b>*HMA Overlay - Existing Travel Lanes</b> <b>(Mill 0" + 7" HMA, 7.0" Raise)</b> Milling, Scarify/Profile 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 330 lbs/syd (3.0") QC/QA HMA 4, 64, Base, 25 mm	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Typical Section D</b> 8" CRCP over 4" HMA (Existing Underdrains)	
			2121+50	107 9							
2121+50	107 9	<b>*HMA New Pavement - New Shoulders (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Not Applicable</b>	<b>*PCCP New Pavement - Travel Lanes (10" PCCP)</b> 10" QC/QA PCCP D-1 Jts. Spaced at 15" 9" Subbase for PCCP Subgrade Treatment IA <b>14' Wide for Right Lane</b>	<b>PCCP New Pavement - 3rd Lane (10" PCCP)</b> 10" QC/QA PCCP D-1 Jts. Spaced at 15" 9" Subbase for PCCP Subgrade Treatment IA	<b>*HMA New Pavement - New Shoulders (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Not Applicable</b>				
2135+50	108 2										
2135+50	108 2										
2135+50	108 2										
2155+00	108 5	<b>*HMA New Pavement - New Shoulders (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Not Applicable</b>	<b>*PCCP New Pavement - Travel Lanes (10" PCCP)</b> 10" QC/QA PCCP D-1 Jts. Spaced at 15" 9" Subbase for PCCP Subgrade Treatment IA <b>14' Wide for Right Lane</b>	<b>PCCP New Pavement - 3rd Lane (10" PCCP)</b> 10" QC/QA PCCP D-1 Jts. Spaced at 15" 9" Subbase for PCCP Subgrade Treatment IA	<b>*HMA New Pavement - New Shoulders (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>Not Applicable</b>				
2155+00	108 5										



SB Lanes										
	ID	Typical	STA Range	MP	Widened Shoulder (Outside for 3-Lane Section)	Recommended Treatment for Existing Shoulders	Recommended Treatment for Existing Travel Lanes	3rd Lane	New Inside Shoulder	Existing SB Pavement Section
Subsection 5E	17		2155+00	108.5	<p><b>* HMA New Pavement - New Shoulders (10" HMA)</b>  <b>2-Lane Section ONLY</b>                      165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over                      275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm                      660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm                      Subgrade Treatment Type IA</p>	<p><b>Not Applicable</b></p>	<p><b>* PCCP New Pavement - Travel Lanes (10" PCCP)</b>                      10" QC/QA PCCP                      D-1 Jts. Spaced at 15"                      9" Subbase for PCCP                      Subgrade Treatment IA  <b>14' Wide for Right Lane</b></p>	<p><b>2 Lanes ONLY</b></p>	<p><b>* HMA New Pavement - New Shoulders (10" HMA)</b>  <b>2-Lane Section ONLY</b>                      165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over                      275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm                      660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm                      Subgrade Treatment Type IA</p>	<p><b>Not Applicable</b></p>
	18	8-3	2167+00	108.7						
			2220+00	109.8						
			2220+00	109.8						
			2230+50	110.0						
			2230+50	110.0						
			2253+50	110.4						
			2253+50	110.4						
			2290+00	111.1						
			2290+00	111.1						
			2328+00	111.8						
			2328+00	111.8						
			2378+00	112.7						
			2378+00	112.7						
		2407+00	113.3							
		2407+00	113.3							
		2417+50	113.5							
		2417+50	113.5							
		2441+00	113.9							
		2441+00	113.9							
		2462+00	114.3							
		2462+00	114.3							
		2480+00	114.7							
		2480+00	114.7							
		2496+00	115.0							
		2496+00	115.0							
		2515+00	115.3							
		2515+00	115.3							
		2536+00	115.7							
		2536+00	115.7							
		2539+50	115.8							
		2539+50	115.8							
		2555+00	116.1							
		2555+00	116.1							
		2559+50	116.2							
		2559+50	116.2							
		2564+00	116.3							
		2564+00	116.3							
		2604+50	117.0							
		2604+50	117.0							
		2609+00	117.1							
		2609+00	117.1							
		2617+00	117.3							
		2617+00	117.3							
		2626+00	117.4							
		2626+00	117.4							
		2631+00	117.5							
		2631+00	117.5							
		2641+50	117.7							
		2641+50	117.7							
		2669+00	118.2							
		2669+00	118.2							
Subsection 5F	24	TS 7	2441+00	113.9	<p><b>Not Applicable</b></p>	<p><b>* HMA Overlay - Existing Shoulders</b>  <b>(Mill 1.5"+10.0" HMA, 8.5" Raise)</b>                      1.5" Milling of Existing HMA                      165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over                      275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm                      660 lbs/syd (6.0") QC/QA HMA 1, 64, Base, 25 mm</p>	<p><b>* HMA Overlay - Existing Travel Lanes</b>  <b>(Mill 0.0"+8.5" HMA, 8.5" Raise)</b>                      Milling, Scarify/Profile                      165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over                      275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm                      495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm</p>	<p><b>2 Lanes ONLY</b></p>	<p><b>2 Lanes ONLY</b></p>	<p><b>Typical Section D</b>                      8" CRCP over                      4" HMA                      (Existing Underdrains)</p>
	25	TS 7	2462+00	114.3						
			2480+00	114.7						
			2480+00	114.7						
			2496+00	115.0						
			2496+00	115.0						
			2515+00	115.3						
			2515+00	115.3						
			2536+00	115.7						
			2536+00	115.7						
			2539+50	115.8						
			2539+50	115.8						
			2555+00	116.1						
			2555+00	116.1						
		2559+50	116.2							
		2559+50	116.2							
		2564+00	116.3							
		2564+00	116.3							
		2604+50	117.0							
		2604+50	117.0							
		2609+00	117.1							
		2609+00	117.1							
		2617+00	117.3							
		2617+00	117.3							
		2626+00	117.4							
		2626+00	117.4							
		2631+00	117.5							
		2631+00	117.5							
		2641+50	117.7							
		2641+50	117.7							
		2669+00	118.2							
		2669+00	118.2							



NB Lanes										
Existing NB Pavement Section	New Inside Shoulder	3rd Lane	Recommended Treatment for Existing Travel Lanes	Recommended Treatment for Existing Shoulders	Widened Shoulder (Outside for 3-Lane Section)	MP	STA Range	Typical	ID	
<b>Typical Section D</b> 8" CRCP over 4" HMA (Existing Underdrains)	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 0.0"+7.0" HMA, 7" Raise)</b> Milling, Scarify/Profile 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 330 lbs/syd (3.0") QC/QA HMA 4, 64, Base, 25 mm	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+8.5" HMA, 7" Raise)</b> 1.5" Milling of Existing HMA 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm	<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	97.1	1552+00	TS 1	0	Subsection 5A
						97.8	1591+00			
<b>Typical Section C</b> 4.5" HMA 8" CRCP over 4" HMA (Existing Underdrains)	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 1.5"+4.0" HMA, 2.5" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+4.0" HMA, 2.5" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm	<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	97.8	1591+00	TS IA	1	Subsection 5B
						98.3	1614+45			
						98.3	1614+45			
						99.0	1651+00			
						99.0	1651+00			
<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	<b>HMA New Pavement - Inside Shoulder (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA New Pavement - 3rd Lane (14" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<b>HMA Overlay - Existing Travel Lanes</b> <b>(Mill 1.5"+6.5" HMA, 5.0" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 5, 76, Intermediate, 19 mm	<b>HMA Overlay - Existing Shoulders</b> <b>(Mill 1.5"+6.5" HMA, 5.0" Raise)</b> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 1, 64, Intermediate, 19 mm	<b>HMA New Pavement - Shoulder Widening (10" HMA)</b> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	99.2	1661+50	TS CD	2	Subsection 5B
						99.3	1670+00			
						99.3	1670+00			
						100.4	1724+50			
						100.4	1724+50			
						100.5	1730+50			
						100.5	1730+50			
						100.7	1743+89			
						100.7	1743+89			
						101.3	1776+00			
						101.3	1776+00			
						101.7	1796+00			
						101.7	1796+00			
102.2	1823+46									
102.2	1823+46									
102.7	1850+00									
102.7	1850+00									
102.7	1850+00									
<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	<b>12" CRC Pavement (w/ 0.7% Steel)</b>	Arlington Bridge	1864+50	TS 1B	10	Subsection 5C
						1869+50				



NB Lanes											
Existing NB Pavement Section	New Inside Shoulder	3rd Lane	Recommended Treatment for Existing Travel Lanes	Recommended Treatment for Existing Shoulders	Widened Shoulder (Outside for 3-Lane Section)	MP	STA Range	Typical	ID		
<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	<u>HMA New Pavement - Inside Shoulder (14" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<u>HMA New Pavement - 3rd Lane (14" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<u>HMA Overlay - Existing Travel Lanes (Mill 1.5"+6.5" HMA, 5.0" Raise)</u> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 5, 76, Intermediate, 19 mm	<u>HMA Overlay - Existing Shoulders (Mill 1.5"+6.5" HMA, 5.0" Raise)</u> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 1, 64, Intermediate, 19 mm	<u>HMA New Pavement - Shoulder Widening (10" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA		1869+50				
						105.0	1971+00				
						105.0	1971+00				
<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	12" CRC Pavement (w/ 0.7% Steel)	12" CRC Pavement (w/ 0.7% Steel)	12" CRC Pavement (w/ 0.7% Steel)	12" CRC Pavement (w/ 0.7% Steel)	12" CRC Pavement (w/ 0.7% Steel)		2018+50				
						Walnut St. Bridge	2023+50				
<b>Typical Section A</b> 4.5" HMA 7" CRCP over 6" Subbase (Existing Underdrains)	<u>HMA New Pavement - Inside Shoulder (14" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<u>HMA New Pavement - 3rd Lane (14" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<u>HMA Overlay - Existing Travel Lanes (Mill 1.5"+6.5" HMA, 5.0" Raise)</u> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 5, 76, Intermediate, 19 mm	<u>HMA Overlay - Existing Shoulders (Mill 1.5"+6.5" HMA, 5.0" Raise)</u> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 550 lbs/syd (5.0") QC/QA HMA 1, 64, Intermediate, 19 mm	<u>HMA New Pavement - Shoulder Widening (10" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA		2023+50	8-1	11		
						106.3	2040+50				
<b>Typical Section B</b> 6.5" HMA 7" CRCP over 6" Subbase (No Underdrains)	<u>HMA New Pavement - Inside Shoulder (14" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 1, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	<u>HMA New Pavement - 3rd Lane (14" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate OG, 19 mm 330 lbs/syd (3") QC/QA HMA 4, 64, Base, 25 mm Subgrade Treatment Type IA	<u>HMA Overlay - Existing Travel Lanes (Mill 1.5"+4.5" HMA, 3.0" Raise)</u> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 330 lbs/syd (3.0") QC/QA HMA 5, 76, Intermediate, 19 mm	<u>HMA Overlay - Existing Shoulders (Mill 1.5"+4.5" HMA, 3.0" Raise)</u> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 330 lbs/syd (3.0") QC/QA HMA 1, 64, Intermediate, 19 mm	<u>HMA New Pavement - Shoulder Widening (10.0" HMA)</u> 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm Subgrade Treatment Type IA	106.3	2040+50				
						106.8	2065+00				
						106.8	2065+00	8-2	12		
						107.0	2073+00				
						107.0	2073+00			13	
						107.3	2091+00				
						107.3	2091+00	8-2	14		
						107.9	2121+50				
						107.9	2121+50			15	
						108.2	2135+50				
						108.2	2135+50			15	
108.2	2135+50										
108.5	2155+00			16							

Subsection 5D



NB Lanes										
Existing NB Pavement Section	New Inside Shoulder	3rd Lane	Recommended Treatment for Existing Travel Lanes	Recommended Treatment for Existing Shoulders	Widened Shoulder (Outside for 3-Lane Section)	MP	STA Range	Typical	ID	
<p><b>Typical Section B</b> 6.5" to 8" HMA** 7" CRCP over 6" Subbase (No Underdrains)</p> <p>** 8" HMA from Sta. 2232+00 to 2413+00</p>	<p><b>2 Lanes ONLY</b></p>	<p><b>2 Lanes ONLY</b></p>	<p><b>HMA Overlay - Existing Travel Lanes</b> <i>(Mill 1.5"+5.0" HMA, 3.5" Raise)</i> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 385 lbs/syd (3.5") QC/QA HMA 5, 76, Intermediate, 19 mm</p>	<p><b>HMA Overlay - Existing Shoulders</b> <i>(Mill 1.5"+5.0" HMA, 3.5" Raise)</i> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 385 lbs/syd (3.5") QC/QA HMA 1, 64, Intermediate, 19 mm</p>	<p><b>Not Applicable</b></p>	108.5	2155+00		17	<p>Subsection 5E</p>
						108.7	2167+00		18	
						108.7	2167+00	8-3	18	
						109.8	2220+00		19	
						109.8	2230+50		19	
						110.0	2230+50	8-4	19	
						110.0	2253+50		19	
						110.4	2253+50		19	
						110.4	2290+00		20	
						111.1	2290+00		20	
						111.8	2328+00		21	
						111.8	2328+00	8-5	21	
						112.7	2378+00		22	
						112.7	2378+00		22	
						113.3	2407+00		22	
						113.3	2407+00		23	
						113.3	2417+50	TS 6	23	
						113.5	2417+50		23	
						113.5	2441+00		24	
						113.9	2441+00	TS 7	24	
						114.3	2462+00		25	
						114.3	2462+00	TS 7	25	
						114.7	2480+00		26	
						114.7	2480+00		26	
115.0	2496+00		27							
115.0	2496+00		27							
115.3	2515+00		28							
115.3	2515+00	TS 6	28							
115.7	2536+00		29							
115.7	2536+00	TS 8	29							
115.8	2539+50		30							
115.8	2539+50		30							
116.1	2555+00		31							
116.1	2555+00	TS 6	31							
116.2	2559+50		32							
116.2	2559+50		32							
116.3	2564+00		33							
116.3	2564+00	TS 6	33							
117.0	2604+50		34							
117.0	2604+50		34							
117.1	2609+00		35							
117.1	2609+00	TS 8	35							
117.3	2617+00		36							
117.3	2617+00		36							
117.4	2626+00		37							
117.4	2626+00	TS 6	37							
117.5	2631+00		38							
117.5	2631+00		38							
117.7	2641+50		39							
117.7	2641+50	TS 6	39							
118.2	2669+00		39							
118.2	2669+00		39							
<p><b>Typical Section D</b> 8" CRCP over 4" HMA (No Underdrains)</p>	<p><b>2 Lanes ONLY</b></p>	<p><b>2 Lanes ONLY</b></p>	<p><b>* HMA Overlay - Existing Travel Lanes</b> <i>(Mill 0.0"+8.5" HMA, 8.5" Raise)</i> Milling, Scarify/Profile 165 lbs/syd (1.5") QC/QA HMA 5, 76, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 5, 76, Intermediate, 19 mm 495 lbs/syd (4.5") QC/QA HMA 4, 64, Base, 25 mm</p>	<p><b>* HMA Overlay - Existing Shoulders</b> <i>(Mill 1.5"+10.0" HMA, 8.5" Raise)</i> 1.5" Milling of Existing HMA Overlay 165 lbs/syd (1.5") QC/QA HMA 1, 64, Surface, 9.5 mm over 275 lbs/syd (2.5") QC/QA HMA 1, 64, Intermediate, 19 mm 660 lbs/syd (6") QC/QA HMA 1, 64, Base, 25 mm</p>	<p><b>Not Applicable</b></p>					<p>Subsection 5F</p>