

**GENERAL NOTES**

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2012, AND THE SPECIAL PROVISIONS INCLUDED IN THIS PROPOSAL.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF EXTENDING A BOX CULVERT, PAVEMENT PATCHING, MILLING, PLACEMENT OF HOT-MIX ASPHALT LEVEL BINDER AND SURFACE COURSE, AGGREGATE SHOULDERS, GUARDRAIL REMOVAL AND REPLACEMENT, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE BOX CULVERT AT STATION 434+16 SHALL HAVE THE EXISTING CMP EXTENSIONS REMOVED AND REPLACED WITH PRECAST CONCRETE BOX CULVERT EXTENSIONS AND PRECAST END SECTIONS. REMOVING ANY EXISTING CONCRETE COLLARS WILL BE INCLUDED IN THE COST OF PIPE CULVERT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

AT THE RAMPS FOR THE ILLINOIS ROUTE 1 AND US ROUTE 50 INTERCHANGE, THE CONTRACTOR SHALL HAVE THE HMA BINDER IN PLACE THE SAME DAY AS THE COMPLETION OF THE HMA SURFACE REMOVAL.

THE CONTRACTOR SHALL USE EITHER RC-70, SS1H, OR SS-1HP, APPLIED AT THE RATE DIRECTED BY THE ENGINEER, FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS, HOT-MIX ASPHALT SHOULDERS, AND THE CLASS D PATCHES.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS. THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE RAMPS.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. CLASS D PAVEMENT PATCHING IS INCLUDED FOR PATCHING THE PAVEMENT ON ILLINOIS ROUTE 1. ESTIMATED QUANTITIES OF PAVED SHOULDER REMOVAL AND HOT-MIX ASPHALT SHOULDERS, 8" HAVE BEEN INCLUDED FOR REPAIRING PAVED SHOULDER. THE QUANTITIES OF PATCHING, PAVED SHOULDER REMOVAL, AND HOT-MIX ASPHALT SHOULDERS, 8" SHOWN IN THE PLANS ARE ESTIMATES ONLY, THE FINAL LOCATIONS AND QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), HOT-MIX ASPHALT LEVELING BINDER, AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 25,940 FEET OF YELLOW AND 85,097 FEET OF WHITE. THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 6" CONSISTS OF 260 FEET OF WHITE. THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS" CONSISTS OF 47 SQUARE FEET OF WHITE.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 781 OF THE STANDARD SPECIFICATIONS. THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS CONSISTS OF 505 TWO-WAY AMBER MARKERS AND 60 ONE-WAY CRYSTAL MARKERS.

**GENERAL NOTES (Cont'd)**

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE: SURFACE COURSE (1 1/2") (TWO LANE SECTION)  
 APPLICATION: HOT MIX ASPHALT SURFACE COURSE, MIX D, N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 70  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE D

MIXTURE USE: SURFACE COURSE (1 1/2") (FOUR LANE SECTION AND RAMPS)  
 APPLICATION: POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5, N105  
 PG GRADE: SBS PG 70-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 105  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE D

MIXTURE USE: LEVELING BINDER (3/4") (TWO LANE SECTION)  
 APPLICATION: HOT MIX ASPHALT LEVEL BINDER (MACHINE METHOD), N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 70  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: N/A

MIXTURE USE: LEVELING BINDER (VARIABLE DEPTH) (FOUR LANE SECTION)  
 APPLICATION: HOT MIX ASPHALT LEVEL BINDER (MACHINE METHOD), N90  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 90  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: N/A

MIXTURE USE: HMA BINDER (2.50") (RAMPS)  
 APPLICATION: POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-19.0, N90  
 PG GRADE: SBS PG 70-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 90  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

MIXTURE USE: INCIDENTAL HMA  
 APPLICATION: HOT MIX ASPHALT SURFACE COURSE, MIX C, N50  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 50  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE C

MIXTURE USE: CLASS D PAVEMENT PATCHING  
 APPLICATION: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

MIXTURE USE: PARTIAL DEPTH PAVEMENT PATCHING  
 APPLICATION: HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

MIXTURE USE: SHOULDER REMOVAL AND REPLACEMENT, 8" (FOR PIPE UNDERDRAINS) AND HMA SHOULDERS, 8" (SO YO-REPAIR)  
 APPLICATION: HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0%NDDESIGN = 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HOT MIX ASPHALT	112 LBS/SO YD/IN
BITUMINOUS MATERIALS PRIME COAT	0.10 GALLONS/SO YD
AGGREGATE PRIME COAT	2.00 LBS/SO YD
GRANULAR MATERIAL	2.05 TONS/CU YD

FILE NAME: c:\p-work\puidot\steffenak\d0263618\02	USER NAME: steffennak	DESIGNED: -	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4977-shc-rindex.dgn	DRAWN: -	REVISED: -		332	(16,17,18)RS-2	LAWRENCE	40	3			
	PLOT SCALE: 100.0000' / 1"	CHECKED: -	REVISED: -		CONTRACT NO. 94977							
	PLOT DATE: 10/15/2012	DATE: -	REVISED: -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS/FED. AID PROJECT			