

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-11	TYPICAL SECTIONS
12-13	SCHEDULES OF QUANTITIES
14	ENTRANCE SCHEDULE AND DETAILS
15-18	PLAN SHEETS
19-20	STAGE 1 CONSTRUCTION
21-22	STAGE 2 CONSTRUCTION
23-26	PAVEMENT MARKING PLAN SHEETS
27-30	PAVEMENT MARKING DETAILS
31-41	STRUCTURAL DETAILS
42	DISTRICT DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 42:

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-10	LANE CLOSURE 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701336-05	LANE CLOSURE, 2L, 2W, WORK AREA IN SERIES, FOR SPEEDS >= 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2010, AND THE SPECIAL PROVISIONS INCLUDED IN THIS PROPOSAL.

THE WORK INCLUDED IN SECTION (51-24-2,1-2)RS-1 & (1-X-1)RS-3 CONSISTS OF PAVEMENT PATCHING, MILLING, OVERLAYING THE PAVEMENT WITH HOT-MIX ASPHALT, CURB REMOVAL, PCC BASE COURSE, AGGREGATE SHOULDERS, PAVEMENT MARKING, B-SMART BRIDGE REPAIRS, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION LOCATED ON ILLINOIS ROUTE 33 IN LAWRENCE COUNTY FROM 0.75 MILES SOUTH OF US ROUTE 50 TO THE INDIANA STATE LINE.

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 2,181 FEET OF YELLOW AND 12,822 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS CONSISTS OF 125 SQUARE FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 4" CONSISTS OF 14,730 FEET OF YELLOW AND 9,144 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 6" CONSISTS OF 693 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 12" CONSISTS OF 1,143 FEET OF YELLOW AND 547 FEET OF WHITE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN IN THE PLANS IS AN ESTIMATE ONLY. THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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 14 ONE-WAY CRYSTAL MARKERS, 162 ONE-WAY AMBER MARKERS, 156 TWO-WAY AMBER MARKERS, AND 3 TWO-WAY AMBER MARKERS (BRIDGE).

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 PAY ITEMS.

THE CONTRACTOR SHALL USE EITHER RC-70 SSIH OR AN EMULSIFIED POLYMER PRIME SS-1HP FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR ALL HOT-MIX ASPHALT.

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

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 BASE COURSE WIDENING SHALL, AT THE CONTRACTOR'S OPTION, BE CONSTRUCTED OF EITHER PORTLAND CEMENT CONCRETE, 8" THICK, OR HOT-MIX ASPHALT, 10" THICK. ANY EXCAVATION AND PAVED SHOULDER REMOVAL REQUIRED FOR PLACEMENT OF THE BASE COURSE WIDENING SHALL BE INCLUDED IN THE COST OF THE BASE COURSE WIDENING. THE BASE COURSE WIDENING SHALL REMAIN IN PLACE AT THE COMPLETION OF THE PROJECT.

GENERAL NOTES (Cont'd)

THE BASE COURSE SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE, 13" THICK. ANY EXCAVATION BETWEEN THE CURB REMOVAL REQUIRED FOR PLACEMENT OF THE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE BASE COURSE.

THE PAY ITEM CURB REMOVAL HAS BEEN INCLUDED FOR THE REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE CURB, INLETS, AND PORTLAND CEMENT CONCRETE MEDIAN NOSE IN ACCORDANCE WITH ARTICLE 440 OF THE STANDARD SPECIFICATIONS.

IN AREAS OF HOT-MIX ASPHALT REMOVAL, 2 1/4", WHERE DROP-OFFS OF ≥ 3" EXIST BETWEEN THE PAVEMENT REMOVAL AND EXISTING SHOULDERS, THE CONTRACTOR SHALL PROVIDE TYPE 1 OR TYPE II BARRICADES IN ORDER TO PROTECT THE DROP-OFF IN ACCORDANCE WITH ARTICLE 701.07 OF THE STANDARD SPECIFICATIONS. THE COST OF THE BARRICADES SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT REMOVAL, 2 1/4".

WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. THE SAW CUT IS TO BE INCLUDED IN THE COST OF THE BUTT JOINT.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

SURFACE COURSE (1 1/2")

APPLICATION:	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ DESIGN = 70
MIXTURE COMPOSITION:	IL-9.5
FRICTION AGGREGATE:	MIXTURE C

LEVEL BINDER (3/4")

APPLICATION:	LEVELING BINDER (MACHINE METHOD) N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ DESIGN = 70
MIXTURE COMPOSITION:	IL-9.5
FRICTION AGGREGATE:	N/A

INCIDENTAL HMA

APPLICATION:	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ DESIGN = 70
MIXTURE COMPOSITION:	IL-9.5
FRICTION AGGREGATE:	MIXTURE C

PAVEMENT PATCHING & BASE COURSE WIDENING

APPLICATION:	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ DESIGN = 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/SQ YD/IN
BITUMINOUS MATERIALS PRIME COAT	0.10 GALLONS/SQ YD
AGGREGATE PRIME COAT	2.00 LBS/SQ YD
GRANULAR MATERIAL	2.05 TONS/CU YD

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS GENERAL NOTES		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pw\work\p\idots\swartzrw\d0148574\d77414-sh1-index.dgn		DRAWN -	REVISED -		783		LAWRENCE	42	2		
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 74414		ILLINOIS FED. AID PROJECT		
PLOT DATE = 1/29/2010		DATE -	REVISED -								

• (51-24-2,1-2)RS-1 & (1-X-1)RS-3