

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT-MIX ASPHALT CONCRETE
2.016 TONS/CU. YD.

ALL AGGREGATE
2.05 TONS/CU. YD.

RIPRAP
1.50 TONS/CU. YD.

AGGREGATE (PRIME COAT)
0.0015 TONS/SQ. YD.

BITUMINOUS MATERIALS:

ON PAVEMENT
0.09 GAL./SQ. YD.

INTERMEDIATE LIFTS (FOG COAT)
0.04 GAL./SQ. YD.

ON AGGREGATE SURFACE
0.32 GAL./SQ. YD.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

EXISTING CONCRETE PATCHES ENCOUNTERED DURING MILLING OPERATIONS SHALL BE MILLED WITH THE SURROUNDING BITUMINOUS SURFACE REMOVAL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

SAW CUTS REQUIRED FOR BUTT JOINTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE BUTT JOINT.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16, THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 107.16 REGARDLESS IF TRACK MOUNTED OR WHEELED.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

ALL EQUIPMENT USED FOR THE PLACEMENT OF THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE APPROVED BY THE ENGINEER PRIOR TO ITS USE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL DRAINAGE STRUCTURES PRIOR TO AND DURING RUBBLIZATION OPERATIONS. ANY DAMAGE TO A DRAINAGE STRUCTURE RESULTING FROM THE RUBBLIZATION OR OTHER CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. A PARTIAL LIST OF EXISTING STRUCTURES IS FOUND HEREIN. IT IS FOR INFORMATION ONLY.

POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) MUST BE INCLUDED BETWEEN ALL LIFTS OF HOT-MIX ASPHALT ON THE MAINLINE PAVEMENT. NO PRIME COAT SHOULD BE USED ON BARE RUBBLIZED PAVEMENT. REGULAR PRIME COAT MUST BE USED BETWEEN ALL SHOULDER LIFTS.

DELINEATOR REMOVAL SHALL BE INCLUDED IN THE COST OF DELINEATORS.



EXISTING PIPE UNDERDRAINS ARE 4" POLYETHYLENE PIPE. PLANS ARE AVAILABLE AT THE DISTRICT OFFICE FOR VIEWING.

MIX DESIGN

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mix E, N105
AC/PG:	SBS PG76-22
RAP% (Max):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition: (Gradation Mixture):	IL-9.5 mm or IL 12.5 mm
Friction Aggregate:	E Surface

Location(s):	Hot-Mix Asphalt Shoulders (Top Lift) and Incidental Hot-Mix Asphalt Surfacing (Median Crossovers)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AC/PG:	PG64-22
RAP% (Max):	10
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Gradation Mixture):	IL-9.5 mm or IL 12.5 mm
Friction Aggregate:	C Surface

Location(s):	Hot-Mix Asphalt Binder Course (Top Lift)
Mixture Use(s):	Polymerized Hot-Mix Asphalt Binder Course, N105, IL-19.0
AC/PG:	SBS PG76-22
RAP% (Max):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition: (Gradation Mixture):	IL-19.0
Friction Aggregate:	None

Location(s):	Hot-Mix Asphalt Binder Course (Lower Lifts), Hot-Mix Asphalt Shoulders (Lower Lifts), and Shoulder Replacement
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	PG64-22
RAP% (Max):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture):	IL-19.0
Friction Aggregate:	None

COMMITMENTS

NONE

▲ ADDED 10/25/12

FILE NAME: ar\p\work\p\rdot\stoverpg\0209789\78289-shite\ovr_seq_index.dgn	USER NAME: Stoverpg	DESIGNED: _____	REVISED: _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND MIX DESIGN	F.A.I. RTE: 57	SECTION: (77-1,91-4,91-4-1,91-3/R-1)	COUNTY: UNION/PULASKI	TOTAL SHEETS: 39	SHEET NO.: 4
PLOT SCALE: 100.0000' / 1" = 100'	PLOT DATE: 10/25/2012	DRAWN: _____	REVISOR: _____	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		CONTRACT NO. 78289		

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNION COUNTY	PULASKI COUNTY
				ROADWAY RURAL 90% FEDERAL ; 10% STATE	
CONSTRUCTION TYPE CODE				0004	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	534	406	128
X0323388	TRAFFIC COUNTER	EACH	1		1
X6311217	TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)	EACH	2	2	
X6330900	VERTICAL ADJUSTMENT OF GUARDRAIL	FOOT	3,375	3,375	
Z0034105	MATERIAL TRANSFER DEVICE	TON	45,474	34,355	11,119
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	53,845	40,509	13,336
Z0055605	RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT	SQ YD	63,994	46,954	17,040
* 25000200	SEEDING, CLASS 2	ACRE	1.7	1.1	0.6
* 25000350	SEEDING, CLASS 7	ACRE	1.7	1.1	0.6
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	306	198	108
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	153	99	54
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	153	99	54
* 25100115	MULCH, METHOD 2	ACRE	3.4	2.2	1.2
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	3.4	2.2	1.2
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	170	110	60
△ 28100205	STONE RIPRAP, CLASS A3	TON	1,253	835	418
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	11,285	8,536	2,749
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	20,463	15,750	4,713
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	10	7.6	2.4
40600895	CONSTRUCTING TEST STRIP	EACH	3	3	
40600982	HOT-MIX SURFACE REMOVAL - BUTT JOINT ↳ ASPHALT	SQ YD	1,371	1,202	169
40600990	TEMPORARY RAMP	SQ YD	77	77	
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	32,650	24,376	8,274
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	9,407	7,217	2,190
40603575	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105	TON	8,615	6,645	1,970
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	56	56	

* SPECIALTY ITEM

△ REVISED 10/25/12

FILE NAME =	USER NAME = Stoverpg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pwwork\pulsdot\stoverpg\10289789\78289-1\10-25-12-10-25-12.dgn		DRAWN -	REVISED -			57	(77-1,91-4,91-4-L91-31R-1	UNION/PULASKI	39	7
PLDT SCALE = 1/8" = 1' / in.		CHECKED -	REVISED -		SCALE: _____					
PLDT DATE = 8/18/2012		DATE -	REVISED -		SHEET NO. _____ OF _____ SHEETS					
					STA. _____ TO STA. _____					
										CONTRACT NO. 78289
										ILLINOIS FED. AID PROJECT