

**GENERAL NOTES**

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

ALL HOT MIX ASPHALT 2.016 TONS/CU.YD.  
 ALL AGGREGATE 2.05 TONS/CU.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.  
 AGGREGATE (PRIME COAT) 0.0015 TONS/SO.YD.  
 RIPRAP 1.50 TONS/CU.YD.

2) ALL OBSTRUCTIONS WHICH ARE WITHIN THE CLEAR ZONE, AND ARE NOT SHIELDED BY THE PROPOSED GUARDRAIL, SHALL BE REMOVED BETWEEN STATION 334+70 EB AND STATION 347+67.50 EB AND STATION 334+70 WB AND STATION 347+90 WB. TYPICAL OBSTRUCTIONS ARE HEADWALLS, FOUNDATION, ETC. WHICH PROJECT 4 IN. OR MORE ABOVE THE GROUND LINE; AND TREES WHICH WILL MATURE TO A DIAMETER OF 4 IN. OR GREATER.

3) EARTH EXCAVATION INCLUDES THE REMOVAL OF THE EXISTING AGGREGATE SHOULDERS. THE CONTRACTOR MAY INCORPORATE THESE MATERIALS INTO THE PROPOSED EMBANKMENT.

4) TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

5) EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

6) THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON THREE APPLICATIONS.

7) ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL OR HOT MIX ASPHALT BINDER COURSE OR LEVELING BINDER, WHEN SPECIFIED.

8) THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

9) ON ALL SUPERELEVATED CURVES, THE PROPOSED BASE COURSE WIDENING SHALL BE CONSTRUCTED WITH A SLOPE CONFORMING TO THE RATE OF SUPERELEVATION OF THE EXISTING PAVEMENT, UNLESS OTHERWISE NOTED ON STAGING PLAN SHEETS.

10) AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

11) THE LIMITS OF ROCK AND EARTH SLOPES SHOWN IN THE CROSS SECTIONS ARE APPROXIMATE. THE ACTUAL SLOPE USED SHALL BE DETERMINED BY THE MATERIAL CLASSIFICATION AS DEFINED IN ARTICLE 202.04, AND AS DIRECTED BY THE ENGINEER.

12) BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF THE DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT. THE CONTRACTOR SHALL BE REQUIRED TO PAVE THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, ALL ADJACENT LANES SHALL BE BROUGHT UP TO THE SAME ELEVATION WITH RESURFACING.

13) CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE INSIDE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE OF THE STORM SEWERS AND STRUCTURES INVOLVED.

14) STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE.

15) IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS, BRIDGE APPROACH PAVEMENTS, AND PCC CONNECTOR 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.

16) 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.

STRUCTURE NO.	OPERATING RATING	INVENTORY RATING	POSTING
039-0013 (EB)	33.1	19.5	NO POSTING REQUIRED
039-0049 (WB)	55.0	33.4	NO POSTING REQUIRED

19) PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR, HOWEVER, WILL BE PAID FOR THE ACTUAL QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK. CONSTRUCTION PLANS ARE AVAILABLE FOR REVIEW AT THE DISTRICT 9 HEADQUARTERS IN CARBONDALE, ILLINOIS.

**STANDARDS:**

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
 001001-02 AREAS OF REINFORCEMENT BARS  
 001006 DECIMAL OF AN INCH AND OF A FOOT  
 280001-06 TEMPORARY EROSION CONTROL SYSTEMS  
 420401-08 BRIDGE APPROACH PAVEMENT CONNECTOR  
 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT  
 515001-03 NAME PLATE FOR BRIDGES  
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION  
 601101-01 CONCRETE HEADWALL FOR PIPE DRAIN  
 602301-03 INLETS, TYPE A  
 604101-01 MEDIAN INLET FOR 24" REINFORCED CONCRETE PIPE  
 630001-10 STEEL PLATE BEAM GUARDRAIL  
 630201-06 PCCHMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL  
 630301-05 SHOULDER WIDEN FOR TYPE 1 GUARDRAIL TERMINALS  
 631026-05 TRAFFIC BARRIER TERMINAL, TYPE 5  
 631031-10 TRAFFIC BARRIER TERMINAL, TYPE 6  
 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT  
 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS  
 701101-02 OFF-RD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE  
 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY  
 701400-05 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701416-07 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH Crossover AND BARRIER  
 701422-04 LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH  
 701426-04 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH  
 701901-02 TRAFFIC CONTROL DEVICES  
 704001-07 TEMPORARY CONCRETE BARRIER  
 720001-01 SIGN PANEL MOUNTING DETAILS  
 780001-03 TYPICAL PAVEMENT MARKINGS  
 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENTS MARKERS  
 830006 LIGHT POLE ALUMINUM DAVIT ARM  
 836001-01 LIGHT POLE FOUNDATION

**HMA MIXTURE DESIGNS**

LOCATION(S):	HOT-MIX ASPHALT SURFACE COURSE & TOP LIFT OF CROSSOVER PAVEMENT	HOT-MIX ASPHALT LEVELING BINDER	HOT-MIX ASPHALT BINDER COURSE	HOT-MIX ASPHALT SHOULDERS	LOWER LIFTS OF CROSSOVER PAVEMENT
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N105	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL19.0	HOT-MIX ASPHALT SHOULDERS	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2 "
AC/PG:	SBS PG 76-22	SBS PG 76-22	SBS PG 76-22	PG 58-22	PG 64-22
RAP % (MAX):	0	0	0	50	10
DESIGN AIR VOIDS:	4.0%, 105 GYRATION DESIGN	4.0% 105 GYRATION DESIGN	4.0% 105 GYRATION DESIGN	2.0% 30 GYRATION DESIGN	4.0% 90 GYRATION DESIGN
MIX COMPOSITION: (GRADATION MIXTURE)	IL-9.5 mm OR IL-12.5 mm	IL 9.5mm OR IL 12.5mm	IL 19.0mm	HMA SHOULDER	IL 19.0mm
FRICTION AGGREGATE:	D SURFACE	NONE	NONE	NONE	NONE

**COMMITMENTS**

NONE AS OF 02/03/2012, REFER TO COMMITMENT FILE FOR REVISIONS.

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