

### GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

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

ALL BITUMINOUS CONCRETE	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/SQ. YD.
RIPRAP	1.50 TONS/CU. YD.

PROTECTIVE COAT SHALL BE APPLIED TO ALL PCC PAVEMENT, PCC DRIVEWAY PAVEMENT, SIDEWALKS, GUTTER FLAGS, AND FACE OF CURB AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.21.

AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS 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.

TIE BARS CONNECTING PROPOSED PCC PAVEMENT TO THE EXISTING PCC PAVEMENT OR PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE INCLUDED IN THE COST OF PCC PAVEMENT.

ATTAINMENT OF PROPER CROWN SHALL BE FULLY ACCOMPLISHED WITH LEVELING BINDER COURSE, AS DIRECTED BY THE ENGINEER, EXCEPT FROM STA 150+00.00 TO STA 161+00.00

THE CONTRACTOR SHALL BE REQUIRED TO SEND ALL MILLED SURFACE TO THE DISTRICT BUREAU OF OPERATIONS MAINTENANCE YARD IN MURPHYSBORO. CONTACT MURPHYSBORO YARD BEFORE DELIVERY AT 618-687-3312.

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER AND CONCRETE GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

TRENCH BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED NOR PAID FOR SEPARATELY.

CONNECTING OF NEW STORM SEWER TO NEW INLETS 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 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 PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42, OR M-53 GRADE 60

EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS. AND 3/4" x 12" HOOKED BOLTS.

COST OF AGGREGATE FILL SPECIFIED IN ARTICLE 606.08 OF THE STANDARD SPECIFICATIONS UNDER THE CONCRETE MEDIAN SURFACE SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE.

THE FURNISHING AND INSTALLATION OF THE 1 1/2" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER, EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAW CUT.

WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY SHALL BE SECURELY COVERED IN WHITE PLASTIC.

EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, AND GULFBOX JUNCTIONS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST TO FIT FIELD CONDITIONS IF NECESSARY.

ALL PROPOSED MAST ARMS SHALL BE LOCATED NO CLOSER THAN 6 FT. FROM FACE OF CURB TO CENTER OF POLE.

THE LOCATION OF THE DETECTOR LOOPS MAY BE ADJUSTED TO FIT FIELD CALCULATIONS AS DIRECTED BY THE ENGINEER OF OPERATIONS.

THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL RE-ERECT THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT AND SURFACE COURSE, AT THE RATE OF 4 FEET IN 40 FEET.

UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR ACTUAL LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.

THE EXCAVATION FOR THE PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS PROVIDED IN THE CONTRACT SPECIFICATIONS. EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION OPERATIONS.

THERE ARE NO AVAILABLE WASTE SITES ON THE EXISTING RIGHT-OF-WAY WITHIN THE PROJECT LIMITS.

THE QUANTITY OF EROSION CONTROL BLANKET SHOWN IN THE PLANS IS ONLY AN ESTIMATE. THE ACTUAL AMOUNT USED, AND LOCATION, SHALL BE DETERMINED BY THE ENGINEER.

SEE DETAIL ON SHEET NO.57 FOR TIED PCC, ALL OTHER PCC TO BE UNTIED COMMITMENTS: NONE.

- 000001-04
- 10001
- 001006
- 280001-02
- 353001-01
- 420001-05
- 420101-02
- 424001-03
- 442201-01
- 482001
- 482006-01
- 482011-01
- 542301
- 602401
- 606001-02
- 701001
- 701006-01
- 701101
- 701106
- 701311-02
- 701421-01
- 701426-01
- 701701
- 702001-04
- 720016-01
- 780001-01
- 805001
- 8130001-01
- 814001
- 857001
- 877001-01
- 877011-01
- 878001-02
- 880006
- 886001
- 886006

- STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- AREAS OF REINFORCEMENT REBARS
- DECIMAL OF AN INCH AND OF A FOOT
- TEMPORARY EROSION CONTROL SYSTEMS
- PCC BASE COURSE AND BITUMINOUS CONCRETE BINDER AND SURFACE COURSES
- PAVEMENT JOINTS
- 7.2 m (24') JOINTED PCC PAVEMENT
- CURB RAMPS FOR SIDEWALKS
- CLASS C AND D PATCHES
- BITUMINOUS SHOULDER DETAILS - ADJACENT TO FLEXIBLE PAVEMENT
- BITUMINOUS SHOULDER DETAILS - ADJACENT TO RIGID PAVEMENT
- BIT SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- PRECAST REINFORCED CONCRETE FLARED END SECTION
- MANHOLE, TYPE A
- CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- OFF-ROAD OPERATIONS 2L, 2W, 15' MIN AWAY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
- OFF-ROAD OPERATIONS 2L, 2W, 15' TO PAVEMENT EDGE FOR SPEED EQUAL TO OR GREATER THAN 45 MPH
- OFF-ROAD OPERATIONS, MULTILANE LESS THAN 15' AWAY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
- OFF-ROAD OPERATIONS, MULTILANE MORE THAN 15' AWAY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
- LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- LANE CLOSURE, MULTILANE DAY OPERATIONS ONLY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH + SS
- LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
- URBAN LANE CLOSURE, MULTILANE INTERSECTION
- TRAFFIC CONTROL DEVICES
- MAST ARM MOUNTED STREET NAMES SIGNS
- TYPICAL PAVEMENT MARKINGS
- ELECTRICAL SERVICE INSTALLATION DETAILS
- JUNCTION BOXES
- CONCRETE HANDHOLES
- STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- STEEL MAST ARM ASSEMBLY AND POLE
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- CONCRETE FOUNDATION DETAILS
- TRAFFIC SIGNAL MOUNTING DETAILS
- DETECTOR LOOP INSTALLATIONS
- TYPICAL LAYOUT FOR DETECTION LOOPS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	5-(2,3) 1-1, TS-2	JACKSON	94	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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THE EXISTING LANDSCAPING CURRENTLY LOCATED IN THE LIMITS OF THE TEMPORARY EASEMENT IS TO BE RELOCATED BY THE PROPERTY TENANT PRIOR TO CONSTRUCTION. PRIOR TO DISTURBING THIS LANDSCAPING, CONSTRUCTION PERSONNEL SHOULD NOTIFY MR. DEAN SHORT, OWNER OF SHORT ENTERPRISES, AT 618-833-3999. IF HE IS UNABLE TO BE CONTACTED, THE STORE MANAGER AT THIS RESTAURANT SHOULD BE NOTIFIED.

THE TENANT SHOULD BE NOTIFIED IN SUFFICIENT TIME TO ALLOW THEIR LANDSCAPING PERSONNEL ADEQUATE TIME FOR REMOVAL AND REPLANTING OF THE SHRUBS.

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