

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	66-31	MONROE	45	2
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.

2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN IP
- CENTERPOINT ENERGY
- CHARTER COMMUNICATIONS, INC.
- CITY OF COLUMBIA
- HARRISONVILLE TELEPHONE CO.

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY •. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)

3. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

5. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER COURSE AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

6. THE FOLLOWING SUPERPAVE MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	BINDER	INCIDENTAL SURFACE
AC/PG	SBS-PG 76-22	PG 64-22	PG 64-22
RAP % (MAX)	0%	10%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)			
FRICITION AGG	MIXTURE E	MIXTURE B	MIXTURE C

MIXTURE USE	SHOULDERS	TOP LIFT SHOULDERS
AC/PG	PG 58-22	PG 58-22
RAP % (MAX)	30%	30%
DESIGN AIR VOIDS	2.0% @ Ndes=30	2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)		
FRICITION AGG	BAM	BAM

*DESIGN THIS MIX AT 2.0% AIR VOIDS AND ADD ASPHALT TO REDUCE AIR VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

7. THE THICKNESS OF THE 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.

8. THE AVERAGE MILLING DEPTH WILL BE 2". ACTUAL MILLING DEPTHS MAY VARY DEPENDING ON THE EXTENT OF THE CHANNELIZATION. IT IS ESTIMATED THAT 942 SQ. YDS. (105 TONS) OF BITUMINOUS SURFACE WILL BE REMOVED. THE MILLINGS MAY BE HAULED TO THE COLUMBIA YARD FOR DISPOSAL IF NOT NEEDED. MARK HARRIS SHALL BE CONTACTED AT (618) 281-4565 PRIOR TO DELIVERY TO MAKE ARRANGEMENTS.

9. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

10. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.

11. ANY EXCAVATION OR DROP-OFF MORE THAN 3" AT EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTING.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDING WITH CLASS 2 SEEDING, MULCH AND THE NECESSARY NUTRIENTS AS DIRECTED BY THE ENGINEER. SEEDING AND NUTRIENTS SHALL CONFORM TO SECTION 250 AND MULCH SHALL CONFORM TO SECTION 251 USING METHODS 2 OR 3. THIS WORK WILL BE PAID FOR AS "SEEDING, CLASS 2", WHICH WILL INCLUDE MULCH AND NUTRIENTS.

2. TEMPORARY SEEDING AND MULCH SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE. THIS WORK WILL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING", WHICH WILL INCLUDE MULCH.

3. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FOAM/GEOTEXTILE (SILT WEDGES), EARTH MEDIAN AND/OR OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.

4. TEMPORARY DITCH CHECKS, GEOTEXTILES, ROLLED EXCELSIOR, SILT WEDGES, PANELS SHALL BE LOCATED AT EVERY 1.5 FT FALL/RISE IN DITCH GRADE.

5. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

STANDARDS

202001	
280001-02	
442201-01	720011
601001	720016-01
601101	720021-01
635001	780001-01
701101-01	781001-02
701311-02	814001
701411-03	877001-02
701422-01	878001-04
701426-02	880006
701501-03	886001
702001-06	886006
720001	000001-04
720006	
781701-04	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & STANDARDS

FAP ROUTE 312 (IL 3)
SECTION 66-31
MONROE COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____

Rev.