11/30/2009

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-15, 60-15B	MADISON	474	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76323

GENERAL NOTES

1. ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
2. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
3. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE NUMBER LISTED OR THE COPY OF STANDARD INCLUDED IN THESE PLANS. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
4. 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, ROLLED EXCELSIOR, URETHANE FOAM, GEOTEXTILE, SILT PANELS OR SILT WEDGES.
5. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. SEEDING SHALL BE PLACED ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS ACCORDING TO SECTION 250 OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER. SEEDING NOT FALLING WITHIN THE CONSTRUCTION LIMITS OR NOT DIRECTLY RELATED TO THE CONTRACT WORK SHALL BE CONSIDERED THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. PROTECTIVE COATING SHALL BE APPLIED TO THE SURFACE OF NEW CONCRETE ACCORDING TO SECTION 420 OF THE STANDARD SPECIFICATIONS.
9. ALL TREES, BRUSH, AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. TREES ALONG THE EDGE OF THE RIGHT OF WAY SHALL BE SAVED IF, IN THE OPINION OF THE ENGINEER, THEY DO NOT INTERFERE WITH CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
10. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO 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 ARE AS FOLLOWS:

ABOVE GROUND	BELOW GROUND
•AMEREN UE	•SBC
	•FOSTERBURG WATER DISTRICT
	•IL AMERICAN WATER - ALTON
	•AMEREN UE
	•MCI WORLDCOM
	•AT&T CORPORATION
	•SPRINT
	•VILLAGE OF GODFREY
	•CHARTER COMMUNICATIONS

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

11. IF ARCHAEOLOGICAL CLEARANCE HAS NOT BEEN OBTAINED FOR THE ENTIRE PROJECT, THE RESIDENT ENGINEER SHALL PROVIDE THE CONTRACTOR THOSE AREAS OF THE PROJECT WHICH HAVE BEEN CLEARED AND IN WHICH THE CONTRACTOR MAY WORK. THE RESIDENT ENGINEER SHALL ALSO NOTIFY THE CONTRACTOR WHEN ADDITIONAL SITES BECOME AVAILABLE.
12. THE CONTRACTOR SHALL BE AWARE THAT HE MAY FIND ARCHEOLOGICAL EXCAVATIONS THAT HAVE NOT BEEN FILLED IN. THE CONTRACTOR SHALL DEWATER THE EXCAVATION, IF NECESSARY, AND FILL AND COMPACT THE HOLE WITH DIRT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST FOR EARTHWORK, AND NO OTHER COMPENSATION WILL BE ALLOWED.
13. MIXTURE REQUIREMENTS:

MIXTURE USE	POLY SURFACE	BINDER	SHOULDERS
AC/PG	SBS 76-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	10%	30%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	**2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)		IL 19.0	
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	BAM

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS)

GENERAL NOTES

14. FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET.
15. DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EROSION CONTROL BLANKET AREAS.
16. 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 RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
17. IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH A SUITABLE MATERIAL AS APPROVED BY THE ENGINEER. THIS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
18. THE FOLLOWING STRUCTURES HAVE BEEN STRUCTURALLY ANALYZED AS TO THEIR ABILITY TO BE CROSSED BY AN EMPTIED MATERIAL TRANSFER DEVICE AS PER THE CONDITIONS STATED IN THE SPECIAL PROVISION ENTITLED "MATERIAL TRANSFER DEVICE":

SN 060-0308	SN 060-0310	SN 060-0330
SN 060-0309	SN 060-0311	SN 060-0331

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE IF THE MATERIAL TRANSFER DEVICE MUST CROSS ANY ADDITIONAL STRUCTURES (BEYOND THOSE SPECIFIED ABOVE). THE CONTRACTOR MUST PROVIDE A LIST OF ADDITIONAL STRUCTURES TO THE RESIDENT ENGINEER/RESIDENT TECHNICIAN A MINIMUM OF 30 DAYS IN ADVANCE OF THE DATE THE MATERIAL TRANSFER DEVICE WILL BE USED, IN ORDER THAT A STRUCTURAL ANALYSIS CAN BE PERFORMED BY THE DEPARTMENT'S BUREAU OF BRIDGES AND STRUCTURES.

19. THE MATERIAL TRANSFER DEVICE (MTD) MAY BE ALLOWED TO TRAVEL OVER STRUCTURES IF GIVEN APPROVAL FROM THE ENGINEER, THE MTD IS EMPTIED OF HMA MATERIAL PRIOR TO CROSSING THE STRUCTURE, AND THE TIRES OF THE MTD TRAVEL ON OR IN CLOSE PROXIMITY AND PARALLEL TO THE BEAM AND/OR GIRDER LINES OF THE STRUCTURE. THE RESIDENT ENGINEER SHOULD MARK THE DECK SURFACE FOR THE LOCATION OF THE BEAM AND/OR GIRDERS. THE COST TO EMPTY THE MTD OF HMA MATERIAL WILL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE NBIS RATING OF A STRUCTURE IS LESS THAN OR EQUAL TO 4.0, THE DEPARTMENT WILL PAY TO HAVE THE MTD MOVED ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
20. RIGHT-OF-WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE (12") INCHES INSIDE THE RIGHT OF WAY BOUNDARY. RIGHT OF WAY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RIGHT OF MARKERS.
21. THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
22. PREFORMED PLASTIC PAVEMENT MARKING, TYPE "B" FOR THE CENTERLINE MARKINGS SHALL BE PLACED USING THE TYPE "A" METHOD.
23. IF THERE IS A DISCREPANCY BETWEEN THE RIGHT OF WAY SHOWN ON THE PLANS AND THE PLAT OF HIGHWAYS, THE PLAT OF HIGHWAYS ALWAYS TAKES PRECEDENCE.
24. ANY PAVEMENT MARKING OR PAVEMENT MARKING REMOVAL NOT SHOWN IN THESE PLANS BUT REQUIRED TO OPEN TRAFFIC WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
25. THE REMOVAL AND DISPOSAL OF ABANDONED FENCING, DEBRIS, BRUSH, RIPRAP, STONE, CONCRETE SLABS, TILE, SIDEWALK, ETC. NOT PAID FOR SPECIFICALLY ON THE PLANS WILL BE CONSIDERED TO BE INCLUDED IN THE EARTH EXCAVATION PAY ITEM.
26. GRADING WILL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, EXISTING SHRUBS AND TREES, OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILL OR CUTS ARE ADJACENT TO THE ITEMS. THE ITEMS TO REMAIN IN PLACE WILL BE ACCORDING TO THE ENGINEER. THIS WORK WILL BE CONSIDERED TO BE INCLUDED IN THE EARTH EXCAVATION PAY ITEM.
27. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.5 M TONS / CU M
HOT-MIX ASPHALT BINDER COURSE AND SHOULDERS	0.00244 M TONS / SQ M / MM
HOT-MIX ASPHALT SURFACE COURSE	0.00262 M TONS / SQ M / MM
LIME	68.56 KG / CU M

1 METRIC TON = 1000 KG
BITUMINOUS MATERIALS: 1 LITER = 0.00091 M TONS

THE CONTRACTOR SHALL BE AWARE THAT A LAKE, OWNED BY THE STATE OF ILLINOIS, SHALL BE DRAINED IN ORDER TO CONSTRUCT MAINLINE FAP 310 FROM APPROXIMATELY STATION 36+900 TO Station 37+100. THE DRAINING OF THIS LAKE SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. METHODS AND METHODS TO BE DETERMINED AT TIME OF CONSTRUCTION. 2

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

2 Rev. 2-22-10

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
FAP 310 (IL 255)
SECTION 60-15
MADISON COUNTY
DRAWN BY EBB
DATE CHECKED BY

$FILE$