

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1578	*	WILL	155	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 06-00046-00-PV

GENERAL NOTES

- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
 - ALL CONSTRUCTION SHALL COMPLY WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", JANUARY 1, 2007 EDITION (INCLUDING CURRENT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS), AND "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION).
 - NO WORK SHALL COMMENCE UNTIL ALL TRAFFIC CONTROL REQUIREMENTS ARE MET.
 - ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
 - EXISTING TRAFFIC CONTROL AND ACCESS TO ALL SIDE ROADS AND ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR DURING ALL STAGES OF CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 - THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE ALL ROAD SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THIS CONTRACT.
- ALL WORK INVOLVING ROAD SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS :
- SIGNS SHALL NOT BE MOVED UNTIL NECESSITATED BY THE PROGRESS OF WORK.
 - EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
 - ALL SIGNS SHALL BE RE-ERECTED AT PROPOSED LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DIRECTED BY THE ENGINEER.
 - ALL UNUSED SIGNS SHALL BE RETURNED TO THE APPROPRIATE GOVERNING BODY AS DIRECTED BY THE ENGINEER.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBERS LISTED ON THE PREVIOUS SHEET, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
 - ALL SAW CUTS NECESSARY TO COMPLETE THE WORK AS DETAILED IN THESE PLANS SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
 - AN EMULSIFIED ASPHALT PRIME SHALL BE REQUIRED FOR THE PRIMING OF ANY PAVEMENT TO BE RESURFACED. THE AREA PRIMED SHALL BE LIMITED TO THAT WHICH WILL BE COVERED WITH HMA CONCRETE THAT SAME DAY.
 - ALL DISTURBED UNSURFACED AREAS WITHIN THE R-O-W AND EASEMENTS SHALL BE SEEDED, FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS, SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET. DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EROSION CONTROL BLANKET AREAS.
- EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
 - THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, THEY ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - IN ACCORDANCE WITH STATE OF ILLINOIS P.A. 86-0674, THE CONTRACTOR IS TO NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES NOT MORE THAN 14 DAYS NOR LESS THAN 48 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS) IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION. J.U.L.I.E. TELEPHONE NUMBER 1-800-892-0123. SEE SPECIAL PROVISIONS FOR KNOWN UTILITIES WITHIN THE PROJECT LIMITS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATER MAINS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION OR EXTENSION OF THE UTILITY INVOLVED.
 - ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF 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 INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 - ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.
 - BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
 - 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 PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND 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/HER OPERATIONS.
 - ALL TREES, BRUSH AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TREES ALONG THE EDGE OF THE RIGHT-OF-WAY, OUTSIDE THE CONSTRUCTION LIMITS, 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/HER OPERATIONS.
 - THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT: (SEE TABLE BELOW)

- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES, OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW CUTS OR FILLS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE QUANTITY FOR SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE REQUIRED STAGE OF CONSTRUCTION AS SHOWN IN THE SCHEDULE OF QUANTITIES.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF 4 (FOUR) SAND BAGS PER BARRICADE.
- ALL OPENINGS IN PRECAST STRUCTURES, INCLUDING BOX CULVERTS, SHALL BE PRECAST TO THE PROPER SIZE. THIS INCLUDES OPENINGS FOR PIPE STRUCTURES, MANHOLE OPENINGS AND OPENINGS FOR PIPE UNDERDRAINS. COSTS FOR THESE OPENINGS AND THE CONNECTIONS SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEM FOR THE STRUCTURES INVOLVED.
- ALL DRAINAGE STRUCTURES SHALL BE DELIVERED WITHOUT SILT, DEBRIS OR OTHER SUCH OBSTRUCTIONS AT THE TIME OF FINAL INSPECTION. THE CLEANING OF THESE DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS INVOLVED.
- ALL STATION AND OFFSET REFERENCES ARE TO THE PROPOSED ROADWAY CENTERLINE UNLESS OTHERWISE NOTED.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES: (SEE TABLE BELOW)
- AN ESTIMATED QUANTITY FOR "POROUS GRANULAR EMBANKMENT" HAS BEEN PROVIDED AND SHOULD BE USED AS DIRECTED BY THE CONTRACT SPECIAL PROVISIONS ONLY.

LEGEND

	EXISTING	PROPOSED
LIGHT STANDARD		
POWER POLE, PL		
LIGHT POLE		
FIRE HYDRANT		
INLET		
CATCH BASIN		
MANHOLE		
WATER METER		
WATER VALVE		
GAS VALVE		
TELEPHONE SPLICE BOX		
SIGN		
MAIL BOX		
SANITARY SEWER		
STORM SEWER		
WATER PIPE		
GAS PIPE		
TELEPHONE LINE		
ELECTRIC		
OVERHEAD ELECTRIC		
WIRE FENCE		
TREE STUMP		
TREE		

APPLICATION RATES

ALL BITUMINOUS ITEMS.....	= 112 LBS / SQ YD INCH
LIME.....	= 0.02 TONS / SQ YD
SUPPLEMENTAL WATER.....	= 0.003 UNITS / SQ YD
BITUMINOUS MATERIALS (PRIME COAT) ON BITUMINOUS.....	= 0.00038 TONS / SQ YD
BITUMINOUS MATERIALS (PRIME COAT) ON AGGREGATE.....	= 0.001425 TONS / SQ YD
AGGREGATE (PRIME COAT).....	= 0.002 TONS / SQ YD
ALL AGGREGATE ITEMS FOR ROADWAY.....	= 2.05 TONS / CU YD
STONE DUMPED RIPRAP.....	= 1.50 TONS / CU YD
NITROGEN FERTILIZER NUTRIENT (SEEDING).....	= 90 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT (SEEDING).....	= 90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT (SEEDING).....	= 90 LBS / ACRE
NITROGEN FERTILIZER NUTRIENT (SODDING).....	= 60 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT (SODDING).....	= 60 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT (SODDING).....	= 60 LBS / ACRE
AGRICULTURAL GROUND LIMESTONE.....	= 2 TONS / ACRE
MULCH, METHOD 2.....	= 2 TONS / ACRE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5)	PG 64-22	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), IL 9.5, N70	PG 64-22 / 58-22 *	4% @ 70 Gyr.
FULL DEPTH PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5); 2"	PG 64-22	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70	PG 64-22 / 58-22 *	4% @ 70 Gyr.
PAVEMENT WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5)	PG 64-22	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), IL 9.5, N70	PG 64-22 / 58-22 *	4% @ 70 Gyr.
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER, IL 19.0); 10"	PG 64-22 / 58-22 *	4% @ XX Gyr.
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5); 1.5"	PG 64-22	4% @ 50 Gyr.
TEMPORARY PAVEMENT (HMA BINDER, IL 19.0); 6.5"	PG 64-22 / 58-22 *	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: NONE

DATE: APRIL 9, 2009

DRAWN BY: JEB

CHECKED BY: CMS