

GENERAL NOTES

1. ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY HAVE BEEN CAUSED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL EXISTING UNDERGROUND UTILITIES. THE APPROXIMATE LOCATIONS OF THE KNOWN UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN.
3. ALL UTILITY RELOCATIONS SHALL BE BY THE RESPECTIVE UTILITIES:
 - a. NOTE THE BURIED 12" HIGH PRESSURE DOT GAS TRANSMISSION LINE TO AVOID ON THE EAST SIDE IS IN AMEREN'S EASEMENT AND THE CONTRACTOR SHALL COMPLY WITH AMEREN'S SPECIAL REQUIREMENTS (SHOWN ON THIS SHEET) AND IT'S REPRESENTATIVE.
 - b. EXISTING WATER LINE ON THE WEST SIDE OF THE ROAD IS TO BE ABANDONED FROM APPROXIMATELY STATION 12+75± TO STATION 22+75± AND RELOCATED AFTER PROJECT IS COMPLETE.
 - c. TELEPHONE LINE TO BE RELOCATED PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL GIVE AT LEAST TWO WEEKS NOTICE BEFORE BEGINNING CONSTRUCTION SO THE ENGINEER MAY GIVE ADEQUATE NOTICE TO ALL EMERGENCY, SCHOOL AND POSTAL SERVICES.
5. THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
6. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION.
7. ADDITIONAL BITUMINOUS REQUIREMENTS:
 - a. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
 - b. A PRESET GRADE CONTROL STRINGLINE SHALL BE USED FOR HMA SURFACE ON THE BRIDGE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER. ANY GRADING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED AND SEEDING RE-ESTABLISHED BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
10. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.
11. ALL SAW CUTTING OF THE EXISTING SURFACES SHALL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF WORK INVOLVED. THE DEPTH OF THE SAW CUT SHALL BE SUFFICIENT TO ALLOW A CLEAN, STRAIGHT EDGE TO BE VISIBLE WHERE THE PROPOSED IMPROVEMENTS MEET THE EXISTING FEATURES.
12. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE FILLS OR CUTS ARE ADJACENT TO THESE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE, IN THE ORIGINAL STATE, AS MUCH AREA AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
13. REMOVAL OF EXISTING AGGREGATE AND OIL & CHIP SURFACE WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. ALL ENTRANCES WITHIN THE PROJECT LIMITS SHALL REMAIN ACCESSIBLE, AS DIRECTED BY THE ENGINEER, THROUGHOUT THE TIME OF CONSTRUCTION.

15. REMOVAL OF EXISTING ROW MARKERS WITHIN THE PROJECT LIMITS, FENCES AND DITCH CHECKS OR OTHER OBSTRUCTIONS NOT PAID FOR ELSEWHERE, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
16. REMOVAL OF EXISTING GUARDRAIL SHALL BE CONSIDERED IN THE CONTRACT UNIT PRICE OF REMOVAL OF EXISTING STRUCTURES, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
17. THE FOLLOWING ITEMS SHALL HAVE THE LISTED RESTRICTIONS, ALSO SEE SPECS.

<p>ITEM AGGREGATE BASE COURSE, TYPE B</p> <p>PIPE CULVERTS, CLASS A</p> <p>TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT</p>	<p>RESTRICTION SHALL MEET REQUIREMENTS OF ARTICLE 351.05(d) EXCEPT THE BEARING RATIO AND THE DENSITY TESTING SHALL NOT BE REQUIRED. THE MOISTURE CONTENT SHALL BE PUGGED AT 6% - 8%. AGGREGATE SHALL BE PROOF ROLLED TO THE SATISFACTION OF THE ENGINEER.</p> <p>ONLY REINFORCED CONCRETE PIPE SHALL BE ALLOWED.</p> <p>THE PAY LENGTH SHALL BE MODIFIED TO 53.125' TO INCLUDE 3.125' OF GUARDRAIL PROVIDED BEYOND THE TYPICAL 50' PAY LENGTH TO MEET THE NEXT TYPICAL SPLICE LOCATION FOR THE CURRENT STANDARD. THIS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.</p>
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SPECIAL REQUIREMENTS REGARDING WORK AROUND AMEREN'S DOT GAS TRANSMISSION LINE

1. NO ASPECT OF THIS PROJECT SHALL REMOVE PERMANENT COVER OVER THE PIPELINE SUCH THAT THERE IS LESS THAN 36" OF SOIL COVER OVER THE PIPELINE.
2. THERE SHALL BE A MINIMUM OF 12" OF SEPARATION BETWEEN THE GAS PIPELINE AND ANY OTHER FACILITY OR STRUCTURE.
3. PROPOSED FACILITY CONSTRUCTION EQUIPMENT SHALL NOT DRIVE ACROSS GAS MAIN, WITHOUT ADEQUATE SOIL COVER/PROTECTION.
 - a. THE PIPELINE HAS ONLY BEEN EVALUATED FOR STANDARD AASHTO TRAFFIC LOADING, NOT FOR CONSTRUCTION LOADS. IF THE CONTRACTOR PLANS TO DRIVE EQUIPMENT OVER THE PIPELINE, HE SHOULD EITHER PROVIDE DETAILED LOAD INFORMATION TO JACOB COLBERT AT AMEREN FOR ANALYSIS OR HAVE AN OUTSIDE ENGINEER REVIEW HIS LOADINGS TO PREVENT DAMAGE TO THE PIPE.
 - b. CONSIDER INSTALLING STEEL PLATES OR WOOD MATTING ABOVE UNPROTECTED GAS MAIN.
4. ANY EXCAVATION EXPOSING THE GAS MAIN MUST BE BACKFILLED WITH CLEAN SOIL OR SAND WITHIN 12" OF THE GAS FACILITY TO PREVENT COATING DAMAGE. ROCK BACKFILL IS NOT ACCEPTABLE.
 - a. ANY EXCAVATION WITHIN 15 FT. OF THE GAS MAIN WILL BE MONITORED BY AMEREN PERSONNEL.
 - b. NO MORE THAN 22 FT. OF 12" GAS MAIN SHOULD BE EXPOSED AT A TIME, UNLESS SUPPORTED TO PREVENT SAG AND ADDITIONAL STRESS.
5. GAS EASEMENT REQUIRES ACCESSIBILITY FOR FUTURE MAINTENANCE WORK.
6. CONTRACTOR SHALL ADHERE TO J.U.L.I.E. LOCATE LAWS WHILE WORKING NEAR GAS MAIN.
7. BEFORE REMOVING STUMPS IN CLOSE PROXIMITY TO AMEREN'S EASEMENT, AS DETERMINED BY AMEREN, A TRENCH SHALL BE CUT BETWEEN THE STUMPS AND THE PIPELINE WHILE UNDER THE GUIDANCE AND SUPERVISION OF AMEREN. THE TRENCH SHALL BE MADE WITH A TRENCHER THAT WILL EXTEND TO A DEPTH OF AT LEAST 1 FT. BELOW THE INVERT OF THE PIPELINE AND BE CAPABLE OF CUTTING TREE ROOTS. STUMP REMOVAL MAY BE DONE AFTER THIS WORK IS COMPLETE. COST FOR THIS WORK SHALL BE INCLUDED IN THE COST FOR TREE REMOVAL.

COMMITMENTS

1. A TREE CLEARING RESTRICTION IS PRESENT BETWEEN APRIL 1 AND SEPTEMBER 30 DUE TO POTENTIAL INDIANA BAT HABITAT.
2. TREE REMOVAL FROM STA. 22+00 TO STA. 25+00 ON THE EAST SIDE OF THE ROADWAY SHALL BE SALVAGED FOR PROPERTY OWNER ON THE EAST SIDE. THE TREES ARE TO BE CUT OFF ABOVE THE STUMP AND PUSHED/DRUG TO A LOCATION NEAR THE PROJECT UNDER THE DIRECTION OF THE COUNTY ENGINEER. REMAINING STUMPS SHALL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS CONCRETE	112 LBS/SY/IN
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS MATERIALS (PRIME COAT)	
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS/OIL & CHIP SURFACE	0.08 GAL/SY
MULCH METHOD 2	2 TONS/ACRE	AGGREGATE SURFACE	0.375 GAL/SY
GRANULAR MATERIAL	2.05 TONS/CY	AGGREGATE (PRIME COAT)	
RIPRAP	1.6 TONS/CY	BITUMINOUS/OIL & CHIP SURFACE	3 LBS/SY
TEMPORARY DITCH CHECKS	10 FT/DITCH CHECK	AGGREGATE SURFACE	5 LBS/SY
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE	A-3 BITUMINOUS SURFACE TREATMENT	
AGGREGATE DITCH CHECKS	3 TONS/CHECK	3 COATS OF HFE - 150	0.375 GAL/SY
		COVER COAT AGGREGATE	20 LBS/SY
		SEAL COAT AGGREGATE	20 LBS/SY

FILE NAME H:\NS\162 GR\15.819.dgn	USER NAME * USERID/DESCR. K.M.M.	DESIGNED * K.M.M.	REVISED * DRAWN CHECKED DATE	REVISED * REVISED * REVISED * REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	TR 156	SECTION 02-04116-00-BR	COUNTY BOND	TOTAL SHEET 28	SHEET NO. 2	CONTRACT NO. 97521	[ILLINOIS] FED. AID PROJECT
SCALE: _____ SHEET NO. _____ OF _____ SHEETS _____ STA. _____ TO STA. _____													