

GENERAL NOTES

CALC BY _____	LAK-2-5.96	OHIO	<div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> 8A 31 </div>
DATE _____		FHWA	
CHKD BY _____		REGION 5	
DATE _____			

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE PROPOSED CONCRETE BARRIERS (STATION 214+46.48 TO 282+80). THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE:

ITEM	DESCRIPTION	QUANTITY
659	SEEDING AND MULCHING	24,300 SQ.YD.
659	COMMERCIAL FERTILIZER	2.19 TONS

ITEM SPECIAL SOIL STERILANT

THIS ITEM SHALL BE USED IN TWO WAYS:

1. PRIOR TO PLACING THE ITEM 404 ASPHALT CONCRETE, AC-20 NEAR GUARDRAIL AND BARRIER RAIL INSTALLATIONS. AN APPLICATION OF TREFLAN E.C., SPIKE OR AN APPROVED EQUAL SHALL BE APPLIED TO THE AREA TO BE PAVED. SEE TYPICAL SECTIONS, SHEET 6, FOR SOIL STERILANT LIMITS.
2. PRIOR TO ERECTING THE ITEM SPECIAL CABLE MEDIAN BARRIER, AN APPLICATION OF THE ABOVE SHALL BE APPLIED TO THE EXISTING GROUND SURFACE. SEE TYPICAL SECTIONS, SHEET 4, FOR SOIL STERILANT LIMITS.

THE SOIL STERILANT SHALL BE TREFLAN E.C., SPIKE OR AN APPROVED EQUAL AND SHALL BE APPLIED TO THE PREPARED AREA AFTER FINAL LEVELING AND GRADING HAS BEEN COMPLETED. THE APPLICATION SHALL BE JUST PRIOR TO PAVING AND SHALL STRICTLY ADHERE TO THE MANUFACTURER'S LABEL INSTRUCTIONS.

ONLY PROPERLY LICENSED PERSONNEL SHALL APPLY SOIL STERILANT AS REQUIRED BY THE OHIO REVISED CODE.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER SQUARE YARD OF ITEM SPECIAL SOIL STERILANT, WHICH PRICE SHALL CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND WATER REQUIRED TO COMPLETE THIS ITEM OF WORK.

FOR ESTIMATED QUANTITIES, SEE SUB-SUMMARY ON SHEET 10.

ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION, ITEM 404 ASPHALT CONCRETE, AC-20

ITEM 404 SHALL BE USED FOR EROSION CONTROL UNDER PROPOSED GUARDRAIL AND BARRIER RAIL. EXCAVATION NECESSARY FOR PLACEMENT SHALL BE INCLUDED UNDER ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION. ITEM 404 SHALL BE PLACED FLUSH WITH THE SURROUNDING SOIL.

BEFORE COMPLETION OF WORK ON THIS PROJECT BY THE CONTRACTOR, ANY DAMAGE TO ITEM 404 CAUSED BY THE INSTALLATION OF GUARDRAIL OR OTHER ITEMS OF WORK SHALL BE REPAIRED, AT NO ADDITIONAL COST TO THE STATE. LARGE HOLES AND VOIDS CAUSED BY DRIVING POSTS SHALL BE FILLED AND COMPACTED WITH ASPHALT CONCRETE SIMILAR TO THAT DAMAGED. THE SMALL AREA ADJACENT TO THE POST DISTURBED DURING INSTALLATION OR WHERE GAPS EXIST AT THE POST AFTER PAVEMENT REPAIRS SHALL BE SEALED WITH A BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

FOR ESTIMATED QUANTITIES, SEE SUB-SUMMARY ON SHEET 10.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

ITEM	DESCRIPTION	QUANTITY
207	TEMPORARY SEEDING AND MULCHING	4900 SQ. YD.
207	STRAW OR HAY BALES	100 EACH
659	REPAIR SEEDING AND MULCHING	1300 SQ. YD.
659	WATER	11 M.GAL.
659	COMMERCIAL FERTILIZER	0.22 TONS

WATERING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SEEDED AREAS AS PER 659.09:

ITEM	DESCRIPTION	QUANTITY
659	WATER	30 M.GAL.

ROADWAY EXCAVATION AND EMBANKMENT

THIS ITEM CONSISTS OF THE EXCAVATION AND EMBANKMENT FOR THE SHOULDER WIDENING AND MEDIAN EMBANKMENT WORK. THESE QUANTITIES ARE SHOWN IN THE SUB-SUMMARY, SHEET 10.

CATCH BASIN APRONS

SOME MEDIAN CATCH BASINS LOCATED WITHIN THE PROJECT LIMITS HAVE 6" CONCRETE APRONS THAT HAVE DETERIORATED OR HAVE BEEN UNDERMINED BY EROSION. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE REMOVAL OF THESE EXISTING CONCRETE CATCH BASIN APRONS AS DIRECTED BY THE ENGINEER, AND REPLACEMENT WITH ITEM 601 CONCRETE SLOPE PROTECTION, ACCORDING TO EXISTING DIMENSIONS. REFERENCE STANDARD CONSTRUCTION DRAWING MC-5, TYPE 1 WITHOUT CUT-OFF WALL.

ITEM	DESCRIPTION	QUANTITY
202	PAVEMENT REMOVED	32 SQ. YD.
601	CONCRETE SLOPE PROTECTION	32 SQ. YD.