

GENERAL NOTES

LAKE COUNTY
LAK-90-13.00



DITCH RESTORATION

THIS WORK SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF SEDIMENT, VEGETATION, TREES AND OTHER LOOSE OR UNSUITABLE MATERIAL FROM THE EXISTING DITCHES. THE ORIGINAL DITCH CROSS SECTION AND GRADE SHALL BE RE-ESTABLISHED TO THE SATISFACTION OF THE ENGINEER. THE LOCATIONS OF THIS WORK SHALL BE AS DIRECTED BY THE ENGINEER. PAYMENT FOR ITEM 203 - EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN SHALL INCLUDE ALL COSTS OF REMOVAL AND DISPOSAL. MEASUREMENT WILL BE BY LOOSE VOLUME IN THE CARRIER. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE UTILIZED AS OUTLINED ABOVE:

ITEM 203 - EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION,
AS PER PLAN 3000 C.Y.

FASTENING OF BRIDGE TERMINAL ASSEMBLIES

BRIDGE TERMINAL ASSEMBLIES WHICH ARE TO BE FASTENED TO EXISTING CONCRETE PARAPETS BY STEEL BOX BLOCKOUTS SHALL BE ATTACHED BY MEANS OF THROUGH BOLTS. EXPANSION ANCHOR BOLTS WILL NOT BE PERMITTED.

TYPE 5 GUARDRAIL POST SPACING

WHEN THE OFFSET BETWEEN THE FACE OF THE GUARDRAIL AND BRIDGE PIERS OR OTHER FIXED OBJECTS IS LESS THAN 4 FEET, THE GUARDRAIL SHALL BE STIFFENED BY PROVIDING 37 1/2 INCHES OF POST SPACING FROM 12 1/2 FEET IN ADVANCE OF THE OBSTRUCTION TO THE END OF THE OBSTRUCTION. COST SHALL BE INCLUDED IN THE TYPE 5 UNIT BID PRICE.

GUARDRAIL PROTECTION

EXISTING GUARDRAIL WHICH PROTECTS AN OBSTRUCTION OR SLOPE WHICH IS TO BE UPGRADED TO ELIMINATE GUARDRAIL, SHALL NOT BE REMOVED UNTIL THAT WORK HAS BEEN COMPLETED. EXISTING GUARDRAIL WHICH IS SCHEDULED TO BE REPLACED WITH TYPE 5 GUARDRAIL SHALL NOT BE REMOVED UNTIL THE NEW GUARDRAIL IS READY TO BE INSTALLED. UNDER NO CIRCUMSTANCES SHALL ANY HAZARD BE WITHOUT GUARDRAIL PROTECTION FOR MORE THAN 24 HOURS. (SEE SAFETY NOTE, SHEET 21)

LOCATION OF GUARDRAIL

THE LOCATION OF GUARDRAIL RUNS AS SHOWN IN THESE PLANS ARE SUBJECT TO ADJUSTMENT TO ASSURE THAT THE PLANNED INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

SEQUENCE OF OPERATIONS FOR REPLACING GUARDRAIL

A. RAMP GUARDRAIL

GUARDRAIL WORK ALONG RAMPS MAY BE PERFORMED AT ANY TIME.

B. MAINLINE GUARDRAIL

1. COMPLETE LEVELING OR SURFACE COURSES
2. REMOVE EXISTING GUARDRAIL (INSTALL TEMPORARY CONCRETE BARRIER AT HAZARDS - SEE PUBLIC SAFETY NOTE)
3. CONSTRUCT A 4 FOOT STRIP OF ITEM 301 - BITUMINOUS AGGREGATE BASE, AS PER PLAN ALONG OUTSIDE SHOULDER PRIOR TO INSTALLING POSTS AND RAIL ELEMENTS.
4. INSTALL NEW POST AND RAIL ELEMENTS.
5. CONTRACTOR MAY INSTALL ITEM 301 - BITUMINOUS AGGREGATE BASE, AS PER PLAN AFTER GUARDRAIL INSTALLATION PROVIDED HE CAN DEMONSTRATE THAT SUITABLE COMPACTION CAN BE OBTAINED WITH RAIL ELEMENTS IN PLACE.

RESTORATION OF DISTURBED AREAS ASSOCIATED WITH WORK FOR GUARDRAIL

THE CONTRACTOR SHALL RESTORE ALL SEEDED AND SODDED AREAS, PAVED SHOULDERS, AND ALL OTHER DISTURBED SURFACES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING BEFORE THIS WORK HAS STARTED. ALL REPLACEMENTS SHALL BE DONE IN ACCORDANCE WITH THE PERTINENT SPECIFICATION ITEMS AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR ALL RESTORATION WORK, INCLUDING MATERIALS, EQUIPMENT, LABOR, INCIDENTALS AND DISPOSAL OF ALL SURPLUS MATERIALS, SHALL BE INCLUDED IN THE UNIT PRICES BID FOR VARIOUS 606 ITEMS.

PROFILE

THE PROFILE OF THE PROPOSED ASPHALT CONCRETE COURSE SHALL BE APPROXIMATELY 3.00 INCHES ABOVE THAT OF THE EXISTING PAVEMENT.

PART WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY OF BUILDING THIS PROJECT UNDER TRAFFIC AND CONSTRUCTING THE FULL PAVEMENT WIDTH IN STAGES, EXTREME CARE SHALL BE TAKEN TO PREVENT THE CONSTRUCTION OF A BUTT JOINT ON CENTERLINE IN THE BASE COURSES. LONGITUDINAL JOINTS SHALL BE LAPPED AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-5.

ITEM 203 - EMBANKMENT, AS PER PLAN

THE TOP 3 INCHES OF EMBANKMENT SHALL CONSIST OF LOOSE, FRIABLE, LOAMY SOIL WITHOUT THE ADMIXTURE OF REFUSE OR STONE GREATER THAN 1 INCH. THE SOIL SHALL BE CAPABLE OF SUPPORTING VEGETATION.