

GENERAL NOTES

CALC. BY: _____	LAK-90-8.77/29.20	OHIO	2 101
DATE: _____		FHWA 5	
CHKD. BY: _____		REGION	
DATE: _____			

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A FIELD OFFICE HAVING A MINIMUM OF 800 SQ. FT. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619-FIELD OFFICE.

RIGHT OF WAY

ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING RIGHT OF WAY OR EASEMENTS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED AS DIRECTED BY THE ENGINEER UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

THE EAST OHIO GAS COMPANY
1201 EAST 55TH STREET
CLEVELAND, OHIO 44113
PH. 216-361-2753

THE CLEVELAND ELECTRIC ILLUMINATING CO.
55 PUBLIC SQUARE
CLEVELAND, OHIO 44101
PH. 216-623-1350

OHIO BELL TELEPHONE COMPANY
820 WEST SUPERIOR AVENUE
CLEVELAND, OHIO 44113
PH. 216-822-6241

OHIO WATER SERVICE COMPANY
8644 STATION STREET
MENTOR, OHIO 44060
PH. 216-255-3421

LAKE COUNTY UTILITIES
38270 AQUARIUS PARKWAY
WILLOUGHBY, OHIO 44094
PH. 216-951-4417

COST PARTICIPATION

THE QUANTITIES WHICH APPEAR IN THE PLAN HAVE BEEN PLACED IN ONE OF THE FOLLOWING PARTICIPATION AREAS:

ALL ITEMS ARE COST PARTICIPATION II UNLESS SHOWN OTHERWISE.

COST PARTICIPATION I
100% STATE PARTICIPATION.

COST PARTICIPATION II
FEDERAL INTERSTATE REPAIR AND STATE PARTICIPATION.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS OPERATIONS WITH THE CONTRACTORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.07 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS IS INTENDED.

LOCATION OF GUARDRAIL

THE LOCATIONS OF THE GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION TO TRAFFIC.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE, GRADE AND REINSTALL GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED ON THIS PROJECT UNTIL SUCH TIME THE ENGINEER IS ASSURED OF SAID COMPLIANCE.

REINFORCED CONCRETE APPROACH SLAB, AS PER PLAN (T=15")

ITEM 611- REINFORCED CONCRETE APPROACH SLAB, PARTIAL REPLACEMENT, AS PER PLAN (T=14")

REINFORCED CONCRETE APPROACH SLAB, AS PER PLAN (T=15") AND REINFORCED CONCRETE APPROACH SLAB, PARTIAL REPLACEMENT, AS PER PLAN (T=14") SHALL BE AS PER DETAILS SHOWN ON SHEETS [32/101] THRU [36/101]
SEE NOTE ON SHEET 4/101 TOO.

LIMITATION OF OPERATIONS

THE CONTRACTOR'S ACTIVITIES AND WORK SCHEDULE SHALL BE CONSTRAINED BY THE FOLLOWING SPECIAL LIMITATIONS:

- 1) NO LANE CLOSURES SHALL BE IMPLEMENTED OR IN PLACE DURING THE PERIOD BEGINNING NOVEMBER 15TH AND ENDING MARCH 15TH.
- 2) NO LATEX MODIFIED CONCRETE OVERLAY OPERATIONS OR CONCRETE PATCHING AND SEALING OPERATIONS SHALL BE PERFORMED DURING THE PERIOD BEGINNING OCTOBER 15TH AND ENDING APRIL 15TH.
- 3) NO WORK ON STRUCTURES LAK-90-(13.70 L&R)(14.87 L&R)(16.41 L&R) *
EQUIPMENT AND MATERIAL STORAGE

IN ORDER TO PROVIDE FOR THE SAFETY OF THE TRAVELING PUBLIC, THE CONTRACTOR'S ATTENTION IS DIRECTED TO 614.03. IN ADDITION, THE FOLLOWING PROVISIONS SHALL APPLY:

- 1) STORED OR PARKED VEHICLES, MATERIALS AND EQUIPMENT SHALL BE LOCATED BEHIND EXISTING PERMANENT GUARDRAIL OR NOT LESS THAN 30 FEET BEYOND THE TRAVELED WAY. *WHEN LOCATED BEHIND GUARDRAIL THE EQUIPMENT SHALL HAVE A MINIMUM OF A 6' CLEARANCE MEASURED FROM THE BACK SIDE OF THE POSTS.*
- 2) ANY REMOVED ITEMS SHALL NOT BE STORED ON THE RIGHT-OF-WAY FOR MORE THAN THIRTY DAYS.
- 3) THE STORAGE OF EQUIPMENT, MATERIALS AND VEHICLES WITHIN THE HIGHWAY RIGHT-OF-WAY WILL BE PERMITTED. THE NUMBER OF AREAS AND EXACT LOCATION SHALL BE AS APPROVED BY THE ENGINEER.
- 4) ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE STATE.

PAVEMENT

ITEM 404 - ASPHALT APPROACHES AT BRIDGES

THE FINAL GRADE OF THE ASPHALT OVERLAY ON THE APPROACH SLABS FOR STRUCTURES LAK-90-1370L&R, 1487L&R, 1641L&R, 2003L&R AND 2110L&R AND 1487 RAMP D SHALL BE AS PER THE BUTT JOINT DETAIL SHOWN ON SHEET [37/101]

ITEM 404 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC

THIS ITEM SHALL BE USED TO REPAIR HOLES IN THE ROADWAY SURFACE AND BERMS WHICH ARE DAMAGED DURING THE CLOSURE. THE CONTRACTOR SHALL USE THIS ITEM TO MAINTAIN THE HIGHWAY ACCORDING TO SEC. 614.02. THE CONTRACTOR SHALL PERFORM THE ABOVE WORK DURING THE HOURS AS PER TRAFFIC CONTROL PLANS AND SHALL NOT CLOSE MORE THAN ONE ADDITIONAL LANE TO DO THIS WORK. THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR THE MAINTENANCE OF TRAFFIC AS OUTLINED ABOVE, TO BE USED AS DIRECTED BY THE ENGINEER ON ALL PARTS OF THIS PROJECT.

ITEM 404 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC 250 CU. YD.

ITEM 407 - TACK COAT

THE RATE OF APPLICATION OF 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER.

FOR ESTIMATING PURPOSES AN APPLICATION RATE OF 0.10 GAL PER SQUARE YARD HAS BEEN USED IN THE CALCULATIONS THAT ARE CARRIED TO THE GENERAL SUMMARY.

DRAINAGE

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

CONDUIT END TREATMENT

IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE RIPRAP, ROCK CHANNEL PROTECTION, SODDING, ETC.

* (20.03 L&R) AND (21.10 L&R) CAN BEGIN UNTIL MAY 1, 1991 OR UNTIL ALL WORK, EXCLUDING FINAL PAVEMENT MARKINGS, HAS BEEN COMPLETED ON PROJECT 198-88 (LAK-90-13.00).

EROSION CONTROL

ITEM 601 - CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN

EROSION AREAS OF SLOPES UNDER BRIDGES HAVE BEEN SHOWN ON THE PLAN AND HAVE BEEN DIMENSIONED AND DESIGNATED FOR REPAIR BY ITEM 601-CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN.

THIS WORK SHALL INCLUDE REMOVING ANY WASHED OUT EXISTING SLOPE PROTECTION MATERIAL AND WASHED OUT SOIL, EXCAVATION OF ANY MATERIAL NECESSARY TO ACHIEVE A 12" MINIMUM CRUSHED AGGREGATE SLOPE PROTECTION DEPTH, PLACING OF EMBANKMENT MATERIAL, COMPACTED IN ACCORDANCE WITH ITEM 203 TO FILL ERODED AREAS AND THE PLACEMENT OF CRUSHED AGGREGATE SLOPE PROTECTION.

AREAS OF CRUSHED AGGREGATE SLOPE PROTECTION PLACED DIRECTLY UNDER SCUPPERS AND DOWNSPOUTS SHALL BE REINFORCED WITH SUPER PLASTICIZED CLASS C CONCRETE. THE SUPER PLASTICIZED CONCRETE SHALL BE PLACED OVER THE CRUSHED AGGREGATE SLOPE PROTECTION ON AN AREA OF APPROXIMATELY 5'X5' CENTERED UNDER THE SCUPPER OR DOWNSPOUT ALLOWING THE CONCRETE TO FLOW BETWEEN THE STONES. THE TOP OF THE CONCRETE SHALL BE HAND FORMED AS DIRECTED BY THE ENGINEER TO ALLOW FOR MAXIMUM EROSION PROTECTION.

ALL COSTS FOR REMOVING WASHED OUT EXISTING SLOPE PROTECTION MATERIAL AND WASHED OUT SOIL, EXCAVATION, EMBANKMENT AND PLACING CRUSHED AGGREGATE SLOPE PROTECTION AND SUPER PLASTICIZED CONCRETE SHALL BE INCLUDED UNDER THE CONTRACT PRICE BID PER SQUARE YARD, ITEM 601 - CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN.

STRUCTURES

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.5, 501.02 AND 105.2.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

PLANS OF EXISTING STRUCTURES ARE AVAILABLE FOR EXAMINATION AT THE OHIO DEPARTMENT OF TRANSPORTATION; DISTRICT 12 OFFICE; 10100 BROADWAY AVENUE, GARFIELD HTS, OHIO.

PLAN OF OPERATIONS AND PROTECTION

THE CONTRACTOR SHALL SUBMIT TO THE DIRECTOR A COMPLETE SCHEDULE OF CONSTRUCTION OPERATIONS ALONG WITH PLANS CONTAINING HIS PROPOSED METHODS OF PREVENTING DEBRIS FROM FALLING ON THE ROADWAY BELOW. THESE PLANS MUST BE SUBMITTED AND APPROVED PRIOR TO COMMENCING THE WORK. NO REMOVAL WORK SHALL BE STARTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.

ITEM 202 - PORTIONS OF STRUCTURES REMOVED, AS PER PLAN

THIS ITEM SHALL INCLUDE:

1. REMOVAL OF THE BACKWALLS AND APPROACH SLABS ON STRUCTURES LAK-90-1487L&R SHEETS [17/37] TO [25/37], THE PARTIAL REMOVAL OF APPROACH SLABS ON RAMP "D".
2. REMOVAL OF THE REAR APPROACH SLAB ON LAK-90-0877 AND REMOVAL OF PORTIONS OF THE BACKWALLS ON LAK-90-0877 AND 1297 AS SHOWN ON SHEET [30/37]
3. THE REMOVAL OF THE FORWARD ABUTMENT BACKWALL AND PARTIAL REMOVAL OF FORWARD APPROACH SLAB ON LAK-90-1641R, SHOWN ON SHEET [26/37]
4. REMOVAL OF THE FORWARD ABUTMENT BACKWALL AND APPROACH SLAB ON LAK-90-2920 AS SHOWN ON SHEET [28/37]
5. THE REMOVAL OF THE DAMAGED OR DETERIORATED CROSSFRAME MEMBERS ON STRUCTURES LAK-90-1487L&R / 1641L&R / 2003L&R AND 2110L AS SHOWN ON SHEET [37/37], THE REMOVAL OF THE DETERIORATED ENDS OF SCUPPER DOWNSPOUTS ON STRUCTURES LAK-90-1641L&R AND LAK-90-2003L&R AS SHOWN ON MISCELLANEOUS DETAIL SHEET [36/37].
6. THE REMOVAL OF THE FORWARD APPROACH SLAB ON LAK-90-2110R AS SHOWN ON SHEET [35/101]

JOINT SEALERS

ALL REFERENCES TO 705.01 OR 705.02 APPEARING ON STANDARD DRAWINGS OR ON THE PLANS SHALL BE CONSIDERED TO READ 705.04.

SUPPLEMENTAL SPECIFICATION 824

ALL REFERENCES TO SS 824 APPEARING ON THE PROPOSAL NOTES, STANDARD DRAWINGS, OR ON THE PLANS SHALL BE CONSIDERED TO READ CMS 509.10.