

GENERAL NOTES AND SUMMARY OF QUANTITIES

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

4
21

LAKE COUNTY
LAK.-6-09.84

COMPUTED BY: DL MAY 74
CHECKED BY: 1 RR MAY 74

CLEARING AND GRUBBING

WORK TO BE DONE UNDER ITEM 201-CLEARING AND GRUBBING SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.

PAVEMENT REMOVED

QUANTITIES ARE PROVIDED FOR REMOVAL OF CONCRETE PAVEMENT WITHIN THE LIMITS SHOWN ON SHEETS 6, 7, 8 AND 9 AND ARE AS ACCURATE AS POSSIBLE; HOWEVER, PAYMENT SHALL BE MADE AT THE PRICE BID FOR ITEM 202-PAVEMENT REMOVED FOR THE ACTUAL SQUARE YARDS REMOVED.

STRUCTURE REMOVED

ITEM 202-STRUCTURES REMOVED IN THE ROADWAY PLANS REFERS TO THE REMAINING EAST ABUTMENT OF THE ORIGINAL STRUCTURE WHICH WAS LEFT IN PLACE WHEN THE TEMPORARY STRUCTURE WAS BUILT.

AGGREGATE BASE

QUANTITIES ARE INCLUDED IN ITEM 304-AGGREGATE BASE TO PROVIDE A TAPER FROM THE PROPOSED PAVEMENT AND SIDE SLOPES TO THE EXISTING WISNER ROAD AND TO PROVIDE A 6" BASE FOR THE DRIVEWAY AT STA. 525+55. BOTH OF THESE AREAS ARE SHOWN ON SHEET NO. 7.

SEEDING AND MULCHING

THE QUANTITIES FOR SEEDING HAVE BEEN CALCULATED FOR THE AREAS BETWEEN THE PROPOSED EDGE OF PAVEMENT AND THE CONSTRUCTION LIMITS AND FOR AREAS BEYOND THE RIGHT-OF-WAY LIMITS WHICH ARE COVERED BY TEMPORARY RIGHT-OF-WAY AND WORK AGREEMENTS.

GUARD RAIL, TYPE 5, AS PER PLAN

RAIL ELEMENTS SALVAGED UNDER 202 ON THIS PROJECT MAY BE USED IN LIEU OF FURNISHING NEW RAIL ELEMENTS FOR 606 GUARD RAIL. IF SALVAGED RAIL IS USED, IT MUST BE RENOVATED PRIOR TO INSTALLATION AND NEW SPLICE BOLTS FURNISHED.
EXISTING GALVANIZED RAIL ELEMENTS SHALL BE CLEANED OF RUST, DIRT AND OTHER FOREIGN MATERIALS. INTERMEDIATE POST BOLT SLOTS 3/4" X 2 1/2" SHALL BE FIELD PUNCHED OR DRILLED. AREAS ON WHICH THE SHELTER COATING HAS BEEN DAMAGED AND INTERMEDIATE HOLES SHALL BE REPAIRED OR REGALVANIZED IN ACCORDANCE WITH AASTO SPECIFICATION M 36-73I SECTION 23 OR THEY MAY BE REPAIRED UNDER THE DIRECTION OF THE ENGINEER, WITH STICK-FORM GALVANIZING REPAIR COMPOUND MEETING THE REQUIREMENTS OF FSS 0-6-93.
PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 606 GUARD RAIL, TYPE 5, AS PER PLAN.

GRADING AT EXISTING DRIVE PIPE AT STA. 525+55 RIGHT

GRADING SHALL CONFORM TO CROSS SECTIONS AS CLOSELY AS POSSIBLE BUT THE DITCH SHALL BE FORMED TO MEET THE DRIVE PIPE AT EACH END.

SECTION OF DRIVEWAY AT STA. 525+55 RIGHT

THE DRIVEWAY SHALL BE COMPOSED OF 6" OF ITEM 304-AGGREGATE BASE COVERED WITH 2" OF ITEM 404-ASPHALT CONCRETE FOR DRIVEWAYS.

UTILITIES

THE FOLLOWING IS A LIST OF UTILITIES WITHIN THE LIMITS OF THIS PROJECT:

CLEVELAND ELECTRIC ILLUMINATING CO.
ILLUMINATING BUILDING
55 PUBLIC SQUARE
CLEVELAND, OHIO 44114

EAST OHIO GAS COMPANY
1201 EAST 55 STREET
CLEVELAND, OHIO 44113

OHIO BELL TELEPHONE COMPANY
820 SUPERIOR AVE. WEST
CLEVELAND, OHIO 44113

BEFORE THE CONTRACTOR PERFORMS EXCAVATION OR PILE DRIVING HE SHALL CALL THE UTILITIES PROTECTION SERVICE AT 1-800-362-2764 TO INSURE THAT NO UTILITIES ARE DISTURBED.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 300 SQ. FT. OF FLOOR SPACE AND IN ADDITION TO THE REQUIREMENTS OF ITEM 619, HE SHALL PROVIDE AND MAINTAIN SANITARY PROVISIONS AS PER 107.06. ALL ABOVE IS INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

MAINTAINING TRAFFIC

TWO WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES USING TWO TEN-FOOT MINIMUM TRAFFIC LANES EXCEPT FOR A PERIOD NOT EXCEEDING TEN DAYS DURING WHICH A REDUCTION TO ONE TEN FOOT LANE WILL BE PERMITTED IN ORDER TO CONSTRUCT THE OVERLAPPING APPROACH ROADWAY PAVEMENT.

WHENEVER THE TRAFFIC IS RESTRICTED TO ONE LANE, TWO UNIFORMED SPECIAL DUTY STATE HIGHWAY PATROLMEN OR POLICE OFFICERS SUPPLIED WITH A MARKED AND FLASHER EQUIPPED CAR AND TWO WAY VOICE COMMUNICATION SHALL BE ON DUTY. THEY SHALL ASSUME THE DUTIES OF FLAGMEN AS PRESCRIBED IN THE OHIO MANUAL OF TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE OPERATIONS. THE CONTRACTOR SHALL PAY DIRECTLY TO THE POLICE OFFICERS OR THE POLICE AGENCY ANY COST INVOLVED.

THE CONTRACTOR SHALL PROVIDE FLOOD LIGHTING OF THE PATROLMEN DURING TWILIGHT AND NIGHTTIME HOURS.

ALL SIGNS SHALL BE COVERED WITH "SCOTCHLITE" OR AN APPROVED EQUAL AND SHALL BE EQUIPPED WITH FLASHING WARNING LIGHTS.

TYPE II BARRICADES SHALL BE FACED WITH "SCOTCHLITE" OR AN APPROVED EQUAL AND EQUIPPED WITH UNIDIRECTIONAL STEADY BURN LIGHTS. THEY SHALL BE REQUIRED WHENEVER ANY PORTION OF THE ROAD IS CLOSED.

ALL APPROACH WARNING SIGNS SHALL BE DUAL INSTALLATIONS.

WHEN TRAFFIC IS CONSTRICTED TO ONE LANE THE SECOND SET OF SIGNS IN EACH DIRECTION SHALL READ "ONE LANE ROAD 1000 FEET AHEAD."

IF HE DEEMS IT NECESSARY FOR THE SAFETY OF THE TRAVELING PUBLIC, THE ENGINEER MAY DIRECT THAT AN ELECTRIC FLASHING ARROW BE PLACED AT EACH END OF THE PROJECT AND THAT OTHER ADDITIONAL TRAFFIC CONTROL DEVICES BE USED. THE ELECTRIC FLASHING ARROWS SHALL CONSIST OF A MINIMUM OF EIGHT SEALED BEAM YELLOW LIGHTS AT LEAST 5 INCHES IN DIAMETER AND 35 WATTS. THESE LIGHTS SHALL BE MOUNTED IN THE SHAPE OF AN ARROW ON A PANEL AND SHALL BE ELEVATED TO A MINIMUM HEIGHT OF SEVEN FEET ABOVE THE PAVEMENT. THE LIGHTS SHALL FLASH EITHER SEQUENTIALLY OR SIMULTANEOUSLY TO INDICATE THE DIRECTION OF VEHICLE MOVEMENT REQUIRED. AN AUTOMATIC DIMMER SHALL BE USED TO DIM THE LIGHTS AT NIGHT.

ACCESS TO WISNER ROAD SHALL BE MAINTAINED AT ALL TIMES.

ALL TRAFFIC CONTROL MEASURES IMPLEMENTED DURING THE COURSE OF THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE OPERATIONS UNLESS OTHERWISE NOTED IN THESE PLANS AND SHALL BE PAID FOR UNDER ITEM 614 - MAINTAINING TRAFFIC.

EXCAVATION, EMBANKMENT, SEEDING QUANTITIES

SHT NO	LOCATION	STATION		EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT	SEEDING AND MULCHING TYPE CODE Y005
		FROM	TO			
6	DRIVEWAY	525+55		3	7	
7	USR 6 *	524+50	531+50	3821	302	3910
TOTAL				3824	309	3910

* INCLUDES WISNER ROAD QUANTITIES

659 SEEDING AND MULCHING TYPE CODE Y005

SEEDING AND MULCHING	SEEDING AND MULCHING 659 (SQ. YD.) X 9	AGRICULTURAL LIMING 659 } SQ. FT. X 100 / 1000 X 2000	COMMERICAL FERTILIZER 659 } SQ. FT. X 20 / 1000 X 2000
SQ. YD.	SQ. FT.	T O N S	
3910	35190	1.76	0.35
TOTAL		1.76	0.35

203 SUBGRADE COMPACTION

301 - BITUMINOUS AGGREGATE BASE	AREA UNDER APPROACH SLABS
301 } CU. YDS. X 3 / .583	
SQ. YD.	
1595	245
TOTAL	
1840	