

GENERAL NOTES

COMPUTED BY: *S.A.C. 14/1/79*
 CHECKED BY: *B.B.L. 12/17/79*

FRWA REGION	STATE	PROJECT	
5	OHIO		

2
7

LAKE COUNTY
 LAK - 2 - 16.56

BR-42-80

ROCK CHANNEL PROTECTION, TYPE A, WITHOUT BEDDING, AS PER PLAN
 ALL ROCK CHANNEL PROTECTION ABOVE THE NORMAL WATER ELEVATION SHALL BE GROUTED.

ALL COSTS FOR GROUTING SHALL BE INCLUDED IN THE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 601 - ROCK CHANNEL PROTECTION, TYPE A, WITHOUT BEDDING, AS PER PLAN.

ALL EXCAVATION AND/OR EMBANKMENT REQUIRED FOR THIS PROJECT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 601 - ROCK CHANNEL PROTECTION TYPE A, WITHOUT BEDDING, AS PER PLAN.

THE FOLLOWING ARE ESTIMATED QUANTITIES FOR INFORMATIONAL PURPOSES ONLY:
 ITEM 203 EMBANKMENT 250 C.Y.
 ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION 900 C.Y.

ESTIMATED QUANTITIES

ESTIMATED QUANTITIES OF MATERIAL SHALL NOT BE ORDERED BY THE CONTRACTOR UNTIL DIRECTED BY THE ENGINEER.

ITEM 202 - GUARDRAIL REMOVED FOR REUSE

ITEM 202 - FENCE REMOVED

ITEM 606 - GUARDRAIL, TYPE 4, REBUILT

ITEM 607 - FENCE, TYPE 47

THE CONTRACTOR MAY REMOVE AND REPLACE A PORTION OF THE EXISTING GUARDRAIL AND/OR FENCE IN ORDER TO FACILITATE ACCESS TO THE WORK AREA.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS OUTLINED ABOVE:

ITEM 202 - GUARDRAIL REMOVED FOR REUSE 100 L.F.
 ITEM 202 - FENCE REMOVED 200 L.F.
 ITEM 606 - GUARDRAIL TYPE 4 REBUILT 100 L.F.
 ITEM 607 - FENCE TYPE 47 200 L.F.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN FOUR (4) FEET OUTSIDE THE WORK LIMITS, AS SHOWN ON THE CROSS SECTIONS.

WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL

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

ITEM 207 STRAW OR HAY BALES 50 EACH
 ITEM 207 TEMPORARY SLOPE DRAINS 20 LIN. FT.
 ITEM 207 TEMPORARY BENCHES, DIKES DAMS AND SEDIMENT BASINS 100 CU. YD.

RIGHT OF WAY

ALL WORK SHALL BE PERFORMED WITHIN THE RIGHT OF WAY.

MAINTAINING TRAFFIC

GENERALLY, THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAKE THE PROPOSED REPAIRS WITH A MINIMUM OF HAZARD, DELAY AND INCONVENIENCE TO MOTORISTS USING THE HIGHWAYS AFFECTED BY THIS WORK. FURTHERMORE, THE FOLLOWING SPECIFIC PROVISIONS ARE MANDATORY:

I. NIGHTTIME WORK

NO NIGHTTIME WORK SHALL BE PERMITTED ON THIS PROJECT.

II. TRAFFIC CONTROL SYSTEMS

A. WHEN NEEDED

WHEN THE CONTRACTOR IS NOT ACTUALLY PERFORMING WORK, TRAFFIC SHALL BE MAINTAINED IN THE 12-FOOT LANES ON THE EXISTING PAVEMENT.

WHEN THE CONTRACTOR IS PERFORMING WORK, TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF AT LEAST ONE 12 FOOT LANE IN EACH DIRECTION ON THE EXISTING PAVEMENT, AS SHOWN ON SHEET Z. BEFORE WORK IS BEGUN, TRAFFIC CONTROL DEVICES SUFFICIENT TO ASSURE THE SAFE AND CONVENIENT PASSAGE OF VEHICULAR TRAFFIC SHALL BE INSTALLED AND MAINTAINED. ALL TRAFFIC CONTROL DEVICES AND THE MANNER IN WHICH THEY ARE USED SHALL BE CONSISTENT WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. CURRENT EDITION. LATEST REVISION.

B. MINIMUM PROVISIONS

THE TRAFFIC CONTROL SYSTEMS IN THE "MANUAL" CONSTITUTE THE MINIMUM PROVISIONS FOR MAINTAINING TRAFFIC. WHENEVER THE ENGINEER DEEMS ADDITIONAL OR ALTERNATIVE DEVICES NECESSARY, HE MAY DIRECT THAT THEY BE USED.

C. ADVANCE WARNING SIGNS

ALL ADVANCE WARNING SIGNS FOR ANY TRAFFIC RESTRICTIONS SHALL BE ERRECTED BEFORE SUCH RESTRICTION IS PUT INTO EFFECT. ALL SIGNS SHALL BE REMOVED FROM THE VIEW OF TRAFFIC WHENEVER THEY ARE NOT APPLICABLE.

GENERAL SUMMARY

ITEM	SHEET NUMBERS			ITEM	QUAN.	UNIT	DESCRIPTION
	2	3					
202	100			202	100	Lin. Ft.	GUARDRAIL REMOVED FOR RE-USE
202	200			202	200	Lin. Ft.	FENCE REMOVED
606	100			606	100	Lin. Ft.	GUARDRAIL, TYPE 4, REBUILT
607	200			607	200	Lin. Ft.	FENCE, TYPE 47
601		1532		601	1532	Cu. Yds.	ROCK CHANNEL PROTECTION, TYPE A, W/O BEDDING, AS PER PLAN
207	20			207	50	EACH	STRAW OR HAY BALES
207	20			207	20	Lin. Ft.	TEMPORARY SLOPE DRAINS
207	100			207	100	Cu. Yds.	TEMPORARY BENCHES, DIKES, DAMS AND SEDIMENT BASINS
659		180		659	180	Sq. Yds.	SEEDING AND MULCHING
659		0.08		659	0.08	TON	AGRICULTURAL LIMING
659		0.02		659	0.02	TON	COMMERCIAL FERTILIZER
614				614	LUMP	LUMP	MAINTAINING TRAFFIC
623				623	LUMP	LUMP	CONSTRUCTION LAYOUT STAKES
624				624	LUMP	LUMP	MOBILIZATION

MICROFILMED
 FEB 05 1985

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