

NOTES

REFERENCE shall be made to Standard Drawing AR-1-57 dated 3-1-58.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, with revisions dated 2-21-58.

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 2 tons per sq. ft.

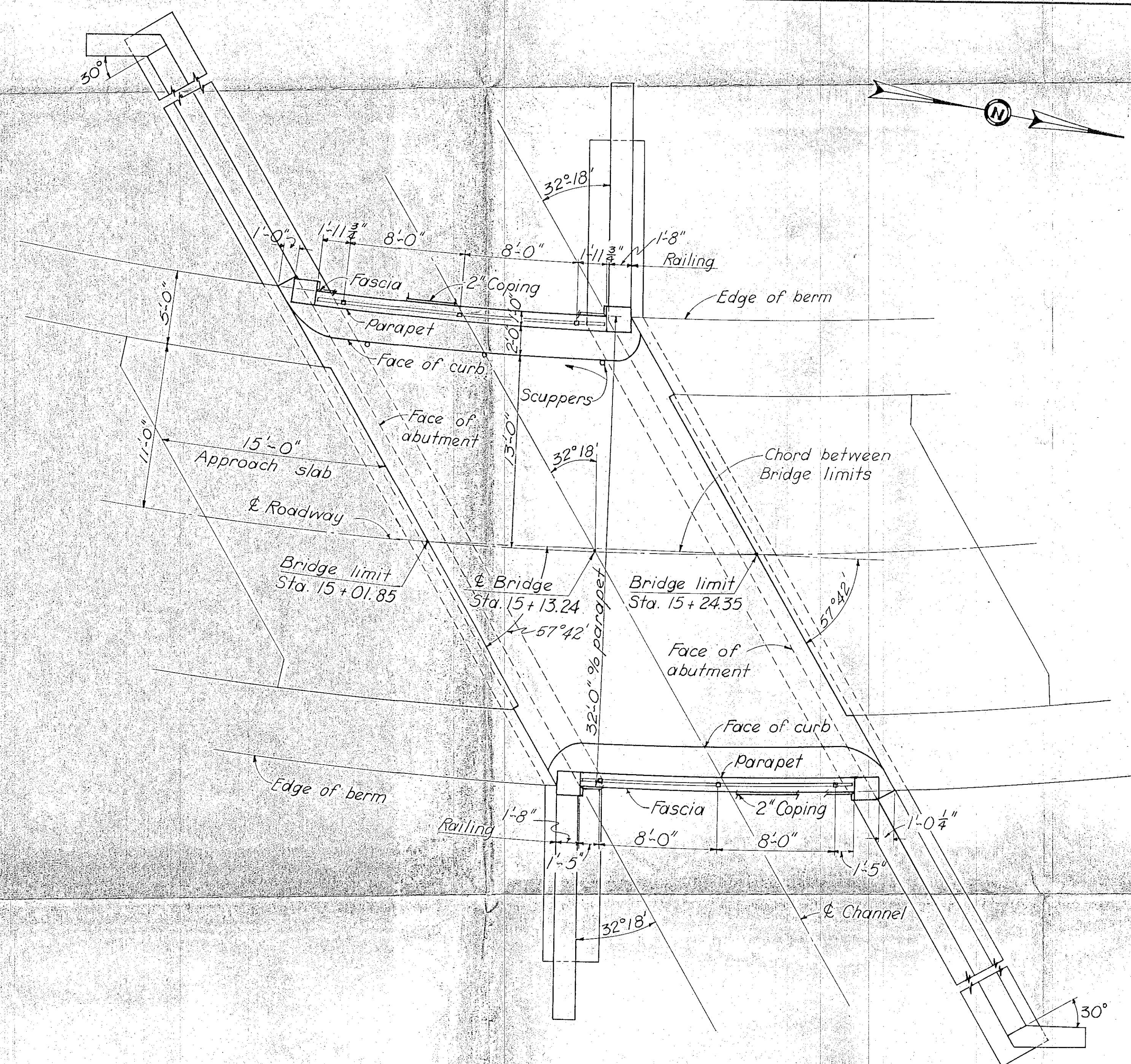
FOOTINGS shall extend a minimum of 3" into solid rock or to the elevation shown, whichever is lower.

POROUS BACKFILL, 2 ft. thick, full length of abutment and wings shall extend up to the underside of the approach slab or to the finished ground surface.

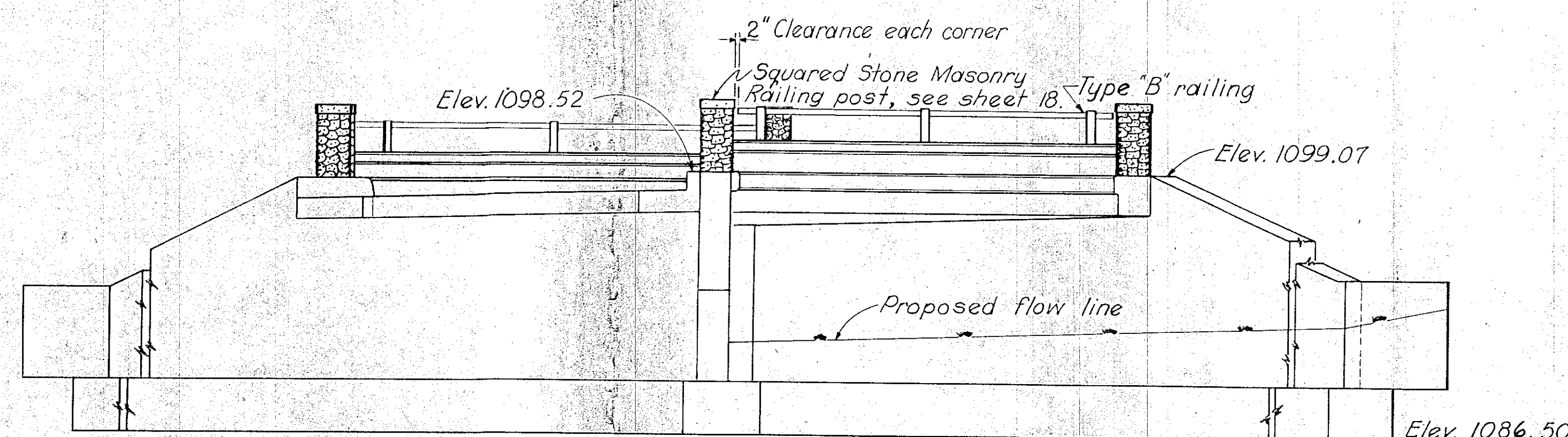
CONSTRUCTION JOINT: A longitudinal construction joint will be permitted in deck if necessary to facilitate construction.

BAR SIZE is indicated in the bar mark. The first digit indicates the bar size.

REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.



GENERAL PLAN

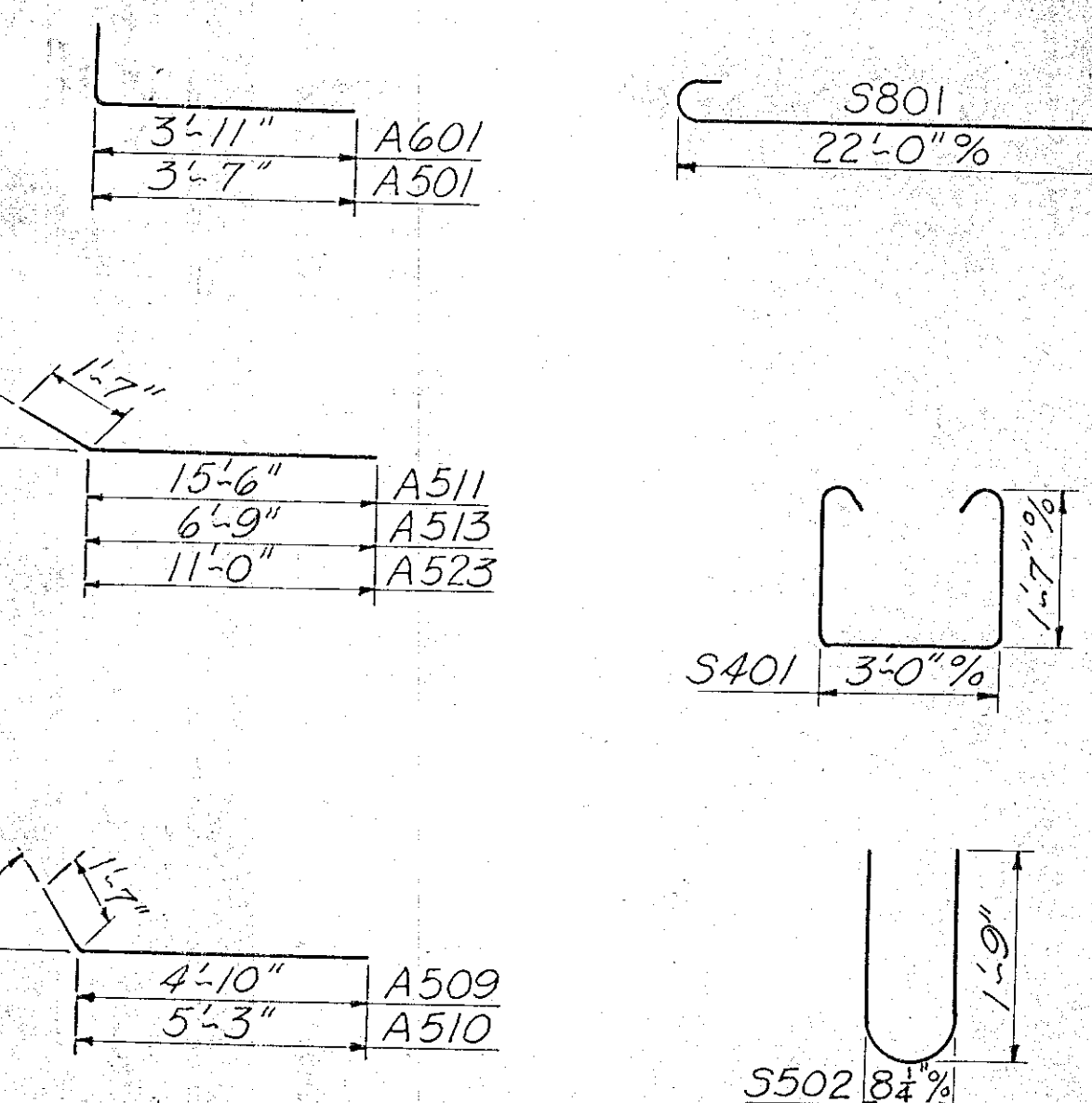


GENERAL ELEVATION

REINFORCING STEEL LIST

MARK	NO.	LENGTH	WEIGHT	SHAPE	MARK	NO.	LENGTH	WEIGHT	SHAPE
ABUTMENTS					SUPERSTRUCTURE				
A601	53	4'-7"	365	B	S801	69	23'-10"	5,273	B
A501	53	4'-2"	230	B	S601	47	36'-8"	2,823	S
A502	7	4'-11"	36	S	S501	12	22'-0"	333	S
A503	2 sets of 16 vary	251	S		S502	27	3'-10"	144	B
A504	18	8'-9"	164	S	S401	18	6'-8"	80	B
A505	18	8'-5"	158	S	S402	2	22'-9"	25	S
A506	18	8'-1"	152	S	S403	2	19'-0"	30	S
A507	2 sets of 10 vary	137	S		S404	18	3'-0"	36	S
A508	16	6'-0"	100	S	*R401	8	18'-9"		S
A509	5	6'-4"	33	S	REPLACEMENT BARS				
A510	5	6'-10"	36	S	RE800	1	6'-6"		S
A511	12	17'-3"	216	B	RE600	1	5'-11"		S
A512	4	18'-0"	75	S	RE500	1	5'-7"		S
A513	2	10'-9"	22	B	RE400	1	5'-3"		S
A514	14	23'-0"	336	S	* Included with railing for payment.				
A515	8	28'-0"	234	S					
A516	10	12'-0"	125	S					
A517	7	4'-3"	31	S					
A518	2 sets of 10 vary	153	S						
A519	20	8'-3"	172	S					
A520	18	8'-0"	150	S					
A521	18	7'-8"	144	S					
A522	2 sets of 17 vary	223	S						
A523	2	14'-0"	29	B					
A524	8	23'-8"	198	S					
A525	8	24'-0"	200	S					

FINAL QUANTITIES				
ITEM	TOTAL	UNIT	DESCRIPTION	SUPER ABUT. GEN'L
E-2	158	Cu. yds.	Unclassified excavation	158
E-2	11	Cu. yds.	Rock excavation	11
E-3	2000	Cu. yds.	Channel excavation	2000
S-1	38	Cu. yds.	Class "C" concrete, superstructure	38
S-1	67	Cu. yds.	Class "E" concrete, abutment walls and wings	67
S-1	53	Cu. yds.	Class "E" concrete, footings	53
S-3	14	Lin. ft.	Waterproofing, premolded sealing strip	14
S-4	12,714	Lbs.	Reinforcing steel	8,744 3,970
S-14	40	Lin. ft.	Railing (Alum. rail & supports with concrete parapet) Type "B"	40
S-20	1.53	Cu. yds.	Squared Stone Masonry, Railing posts	1.53
S-29	53	Cu. yds.	Porous backfill	53
S-29	3	Each	Scuppers	3



STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES

PROPOSED DAM - BELMONT COUNTY
BR. NO. 1 OVER EAST FORK OF BARKCAMP CREEK
GENERAL PLAN & ELEVATION, NOTES,
ESTIMATED QUANTITIES & BAR LIST

BURGESS & NIPLÉ
CONSULTING ENGINEERS
COLUMBUS, OHIO