



DIMENSIONS					QUANTITIES					OPENINGS			
SIZE FEET	NO.	AREA SQ. FT.	MAX. FILL		PER LINEAR FT. OF BARREL	FOR 44'-0" OF CULVERT		STEEL LBS.	CONCRETE CU. YDS.	STEEL LBS.	CONCRETE CU. YDS.	NO.	SIZE FEET
			SLAB FEET	WALL FEET		STEEL	CONCRETE						
5x4	2	40	21		34 - 13/8	109.51	0.7675	5967	47.97			2	
	3	60			40 - 59/16	165.22	1.1026	8745	64.45			3	
	4	80	27	13	46 - 93/4	220.92	1.4378	11610	80.92			4	5x4
	5	100			53 - 2	276.62	1.7729	14421	97.40			5	
	6	120			59 - 63/8	332.33	2.1080	17429	113.88			6	

BILL OF REINFORCING STEEL FOR 44'-0" CULVERT																																						
BARREL REINFORCEMENT															WINGS AND CURBS REINFORCEMENT														OPENINGS									
SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH				
5x4	2	94	12-0	114	4-4	56	2-2	8.6154	11-6	94	12-3/4	42	47-5	138	4-11																							

GENERAL NOTES
 Construction Specification: Latest approved La. Dept. of Hwy. Standard Specification.
 Design Specifications: A.A.S.H.O. 1961 as amended by Int. Spec., 1964.
 Live Load: HS 20-44 or Military loading, whichever is greater.
 All concrete to be Class "A".
 All exposed corners to have 3/4" Chamfer, unless otherwise noted.
 Reinforcement shall be Billet-Steel A.S.T.M. A 615 or Rail-Steel A.S.T.M. A 616 or Axle-Steel A.S.T.M. A 617.
 Dimensions relating to Reinforcing Steel are to Bar centers.
 A 1'-6" Square of Plastic Filter Cloth (See Qualified Products List) shall be placed in contact with Concrete behind each Weep Hole, in addition to approx. 2 Cu. Ft. of Concrete Sand.
 For Detail of Joints, See Std. Plan C.M. - 49.

CC-S·M·5·R·60°-1

Dempsey D. White 1-5-78
CHIEF ENGINEER **DATE**

STANDARD PLAN
MULTIPLE OPENINGS
REINFORCED CONCRETE BOX CULVERTS
STRAIGHT WINGS 60° CROSSING
2:1 SLOPE NORMAL TO CHANNEL
 2 THRU 6'-5"x4'

DESIGNED **W.E. Marcum** DETAILED **B.L. Burke** TRACED **C. Broux**
 CHECKED **N.K. Brown** CHECKED **W.E. Marcum** CHECKED **W.E. Marcum**
 IN CHARGE OF

DATE	DESCRIPTION	BY
1-5-78	Rev. Weep Hole Note	W.T.J.
2-20-78	Rev. Slope Intercept	W.T.J.
6-8-78	Rev. General Notes For Slope	W.E.M.

② Includes 1'-10" Lap Splice.
 ④ #6 Bars X to be 3/4" φ smooth & graced for 1'-0" of Length.