

CONTROL GATE MANHOLE

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

295
394

LAKE COUNTY
LAK.~2~0.00

NOTES

CONTROL GATE MANHOLE

MANHOLE STEPS: SHALL BE AS SPECIFIED ON STD.DRWG. I-8 M.H.N.2

CONCRETE: CONCRETE CAST IN PLACE TO BE CLASS "C" BAR CLEARANCES 2" OR AS SHOWN.

REINFORCING STEEL

TOP SLAB: MAIN BARS TO BE 3/4" ROUND SPACED 6" CENTER TO CENTER, AND 3/4" ROUND TIE BARS SPACED AS SHOWN. BARS TO CLEAR BOTTOM OF SLAB 1/4 INCHES AND CLEAR BOLTS FOR ANCHORING PEDESTAL GATE LIFT.

MANHOLE BASE: BARS TO BE 3/4" ROUND SPACED 6" CENTER TO CENTER WITH 2" CLEARANCE. DOWELS IN CENTER WALL SLAB TO BE 3/4" ROUND BY 1'-0" LONG SPACED AS SHOWN.

SIDE WALLS: SIDE WALLS TO BE REINFORCED WITH 3/4" ROUND BARS HORIZONTAL IN EACH SIDE SPACED 12" CENTER TO CENTER AND WITH 3/4" ROUND BARS IN EACH CORNER AND MIDPOINTS AT ENDS OF CENTER WALL SLAB. CORNERS TO BE REINFORCED AS SHOWN.

CENTER WALL SLAB: BARS TO BE 3/4" ROUND TRUSS BARS ALTERNATING WITH 3/4" ROUND STRAIGHT BARS SPACED AS SHOWN. VERTICAL TEMPERATURE BARS TO BE 1/2" ROUND SPACED AS SHOWN. HOOK BARS ON EACH SIDE OF GATE TO BE 3/4" ROUND SPACED AS SHOWN.

CONTROL GATE

CONTROL GATE TO BE INSTALLED COMPLETE IN PLACE SHALL BE ARMCO MODEL 30-05 SIZE 30"x30" SLIDE GATE OR EQUAL, AND SHALL CONSIST ESSENTIALLY OF THE FOLLOWING PARTS:

SPIGOT BACK SEAT WITH BRONZE SEATING SURFACE.

GATE SLIDE: PROVIDE WITH BRONZE SEATING SURFACE, ADJUSTABLE SIDE WEDGES AND WEDGE BLOCKS, GUIDE ANGLES AND STEM BLOCK.

STEM: PROVIDED WITH SPICED 1 1/2" DIA. BRONZE RISING GATE STEM, AND TWO ARMCO FULLY ADJUSTABLE STEM GUIDES ARMCO TYPE N21 OR EQUAL.

PEDESTAL BASE HANDWHEEL LIFT: ARMCO MODEL HPIB-30 OR EQUAL. LIFTING NUT TO BE BRONZE. HANDWHEEL PROVIDED WITH PROVISION TO BE LOCKED IN PLACE.

COST OF CONSTRUCTING THE CONTROL GATE MANHOLE COMPLETE WITH CONTROL GATE SHALL BE AT THE CONTRACT UNIT PRICE BID PER EACH FOR ITEM I-8, SPECIAL CONTROL GATE MANHOLE, AS PER PLAN.

ESTIMATED QUANTITIES

I-8 SPECIAL CONTROL GATE MANHOLE	1 EACH
E-2 EXCAVATION FOR STRUC.	13 Cu.Yds.
S-1 CLASS "E" CONCR. FOR STRUC.	1 Cu.Yd.
S-1 CLASS "C" CONCR. FOR STRUC.	7.4 Cu.Yd.
S-4 REINFORCING STEEL	286 LBS.
S-7 STRUCTURAL STEEL	1364 LBS.

