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Type 1 Frame and Open Lid See IDOT Std. 604001 COUNTY SHEETS NO. F.A.T. SECTION 94/90 COOK 598 453 Cost included with Junction Chamber STA. TO STA FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT * (1818, ETC, 2324.6-1P)R-9 62302 DESIGN SPECIFICATIONS 2002 AASHTO DESIGN LOADING Live Load = HS20-44 Future Wearing Surface = 50 psf Traffic Surcharge = 250 psf Equivalent Fluid Soll Pressure = 50 pcf Earth Load = 120 pcf _____ DESIGN STRESSES f'c = 3.500 psi fy= 60,000 psi (reinforcement) NOTES: For additional information, see Special Provisions. 2. For reinforcement details, see Sheets JC-3, JC-4, & JC-5, Bonded Const. Jt. (Mandatory) (Typ.) 3. Work point (W.P.) located at outside edge of existing drop manhole as shown. Mirror proposed Junction Chamber about line X-X when existing drop shaft is located north of existing access shaft. φ Junction Chamber is parallel to φ Main Drain 4. For elevations a and b, rlm elevations, invert elevations, pipe openings, and dimensions c, d, e, & f, see "Table of Junction Chamber Information" on Sheet JC-2. 5. Precast concrete rings shall conform to ASTM C76 for 'Reinforced Concrete Culvert, Storm Drain and Sever Pipe', Class II, Wall B. Standard lengths of rings are: 4'-0", 2'-8", 1'-4", 0'-8", and 0'-4" collar. Cost included with Junction Chamber. All reinforcement steel required for precast concrete rings shall be included with Junction Chamber. 6. The maximum width of excavation is the width of The junction chamber plus 2 feet either side, and the maximum length is the length of the junction chamber plus 2 feet either side. Excavation outside the maximum dimensions specified will not be measured for payment. 7. The design of the excavation for junction chambers and jacking/receiving pits is the responsibility of the Contractor. The Contractor shall submit drawings and design for the braced excavation to the Engineer for approval. The braced excavation design and drawings shall be signed and sealed by an Illinois Licensed Structural Engineer, submitted and approved prior to the start of any work. The Engineer's approval shall not relieve the Contractor from the sole responsibility of the structural integrity of the braced excavation system. Excavation shall be paid as "Braced Excavation", see Special Provisions and Drainage Plans and Schedule. 8. Work this sheet with Sheets JC-2, JC-3, JC-4, and JC-5. BILL OF MATERIAL ITEM TOTAL UNIT Junction Chamber, No. 1 Each *** *** Junction Chamber, No. 2 Each Junction Chamber, No. 3 Each *** *** Junction Chamber, No. 4 Each ** Junction Chamber, No. 5 Each ** Junction Chamber, No. 6 Each ** Junction Chamber, No. 7 Each Junction Chamber, No. 8 Each *** Junction Chamber, No. 9 Each ** Junction Chamber, No. 10 Each ** ** Junction Chamber, No. 11 Each Junction Chamber, No. 12 Fach ** SHEET JC-1 OF JC-22 REVISIONS NAME ILLINOIS DEPARTMENT OF TRANSPORTATION

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 ILLINOIS DEPARTMENT OF TRANSPORTATION

 NAME
 DATE

 ILLINOIS DEPARTMENT OF TRANSPORTATION

 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)

 31ST STREET TO 7IST STREET

 SB EXPRESS LANE RECONSTRUCTION

 JUNCTION CHAMBER, TYPE 2

 GENERAL PLAN AND ELEVATION

 SCALE: N.T.S.
 DRAWN BY: DJM

 DATE: 07/07/05
 CHECKED BY: BLU