



BILL OF MATERIAL

BAR LIST				
Bar	No.	Size	Length	Shape
a ₁	30	#6	13'-9"	—
a ₂	34	#6	15'-6"	—
a ₃	30	#4	13'-9"	—
a ₄	34	#4	15'-6"	—
d	100	#5	4'-1"	—
h	48	#4	12'-0"	—
h ₁	48	#4	3'-10"	—
h ₂	24	#4	8'-2"	—
h ₃	120	#5	4'-0"	—
v	56	#5	5'-1"	—
v ₁	52	#5	5'-9"	—
TOTAL BILL OF MATERIAL				
Item	Unit	Total		
Concrete Structures	Cu. Yd.	26.9*		
Reinforcement Bars, Epoxy Coated	Pound	4215*		
Granular Culvert Backfill	Cu. Yd.	7.5		

* QUANTITIES SHOWN FOR INFORMATION ONLY, CONCRETE STRUCTURES AND REINFORCEMENT BARS SHALL BE INCLUDED IN LUMP SUM UNIT COST FOR JUNCTION BOX.

- NOTES:**
- ALL CONCRETE SHALL BE CLASS S1 AND IN ACCORDANCE WITH SECTION 503 OF THE IDOT STANDARD SPECIFICATIONS.
 - ALL REINFORCEMENT BARS SHALL BE AASHTO M-31 OR M322, GRADE 60 AND IN ACCORDANCE WITH SECTION 508 OF THE IDOT STANDARD SPECIFICATIONS.
 - MANHOLE STEPS SHALL BE ACCORDING TO STANDARD 602701.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIVERTING THE WATER FLOW FROM THE CONSTRUCTION AREA USING A METHOD MEETING THE APPROVAL OF THE ENGINEER.
 - STRUCTURE EXCAVATION SHALL BE PAID FOR AS EARTH EXCAVATION.

Rev. 2-12-14

REVISIONS	
NAME	DATE

JUNCTION BOX
"5-33"
STA. 101+55, LT.

DESIGN STRESSES
f'_c = 3,500 psi
f_y = 60,000 psi

SCALE: AS SHOWN
DATE: 12/09/13
DRAWN BY: GLD
CHECKED BY: WLB