



~ NOTES ~

- BID ITEM AND UNIT TO BID
DROP BOX INLET TYPE 4 EACH
- ① 6:1 SLOPES ARE WITH REFERENCE TO DITCH GRADE.
- ② WHEN A BOX INLET IS PLACED IN A SAG, OMIT THE EARTH DIKE AND LONGITUDINAL SLOPE OF THE GRATE, AND PROVIDE A CONCRETE APRON ON EACH SIDE OF THE INLET.
- ③ RATE OF INCREASE OR DECREASE 0.41 CU. YD. PER F.T IN HEIGHT.
- ④ DEDUCT APPROX. 0.2 CU. YD OF CONCRETE OR A 30" PIPE AND 0.3 CU. YD. OF CONCRETE FOR A 36" PIPE.
- ⑤ RELIANCE STEEL (CAT. NO. H2-12D) AND GARY STEEL (CAT. NO. HW3-D-300) ARE ACCEPTABLE ALTERNATES PROVIDED MATCHED GRATES ARE SUPPLIED.
- ⑥ THE 2 3/4" BAR SHALL BE NOTCHED TO RECEIVE THE 1" BAR.
- ⑦ COMPACT THIS VOLUME WITH D.G.A. BASE OR GRAVEL BASE AND INCLUDE IN THE UNIT PRICE OF THE BOX.
- 8. DOWNSTREAM DIKE COMPLETE AND IN PLACE IS INCLUDED IN THE CONTRACT UNIT PRICE OF THE INLET. SODDING IS NOT INCLUDED.

BILL OF REINFORCEMENT

BAR	NO. OF BARS	SIZE	LENGTH	APPROX. SPACING
A	44 OR 60	#5	3'-0"	1'-0" C TO C
B	9 OR 18	#4	3'-9"	AS SHOWN
C	16 OR 20	#4	4'-9"	AS SHOWN

NOTE: PRIMARY USE (ROADSIDE DITCH LOCATION)

STR. STEEL WTS.

	TOTAL	FRAME
1 GRATE	352 LBS	58 LBS

APPROX. QUANTITIES

TYPE	CONCRETE 3'-9" ③ BOX	REINF. STEEL
SAG	4.8 CU. YD. ④	303 LBS
GRADE	3.9 CU. YD. ④	212 LBS

KENTUCKY DEPARTMENT OF HIGHWAYS

DROP BOX INLET TYPE 4

STANDARD DRAWING NO. RDB-004-10

SUBMITTED *[Signature]* DATE 12-01-15
DESIGNED BY *[Signature]* DATE
APPROVED *[Signature]* DATE 12-01-15
STATE HIGHWAY ENGINEER DATE