



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 22	#4	4'-9"	AS SHOWN

NOTE: PRIMARY USE (ROADSIDE DITCH LOCATION)

STR. STEEL WTS.

1 GRATE	TOTAL	FRAME
170 LBS	340 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 2**

STANDARD DRAWING NO. RDB-002-12

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

~ NOTES ~

- BID ITEM AND UNIT TO BID
DROP BOX INLET TYPE 2 EACH
- 6:1 SLOPES ARE WITH REFERENCE TO DITCH GRADE.
 - 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.
 - RATE OF INCREASE OR DECREASE 0.41 CU. YD. PER FOOT IN HEIGHT.
 - DEDUCT APPROX. 0.2 CU. YD. OF CONCRETE FOR A 30" PIPE AND 0.3 CU. YD. OF CONCRETE FOR A 36" PIPE.
 - COMPACT THIS VOLUME WITH D.G.A. BASE OR GRAVEL BASE AND INCLUDE IN THE UNIT PRICE OF THE BOX.
 - DOWNSTREAM DIKE COMPLETE AND IN PLACE IS INCLUDED IN THE CONTRACT UNIT PRICE OF THE INLET. SODDING IS NOT INCLUDED.