

# DRAINAGE STRUCTURE IMPROVEMENT DETAIL

## LOCATION #1 STA. 789 + 00



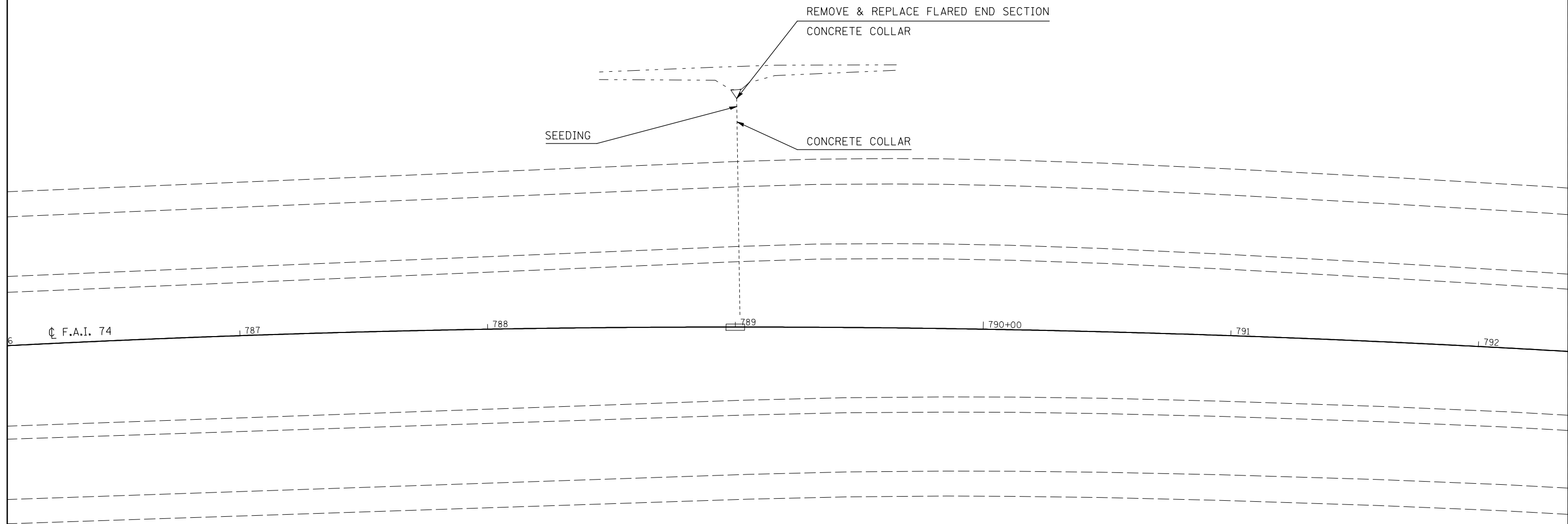
LOC. #1 STA. 789+00 LT.

ITEM # AND DESCRIPTION	UNIT	QUANTITY
25000210 Seeding, Class 2A	ACRE	0.009
25000400 Nitrogen Fert. Nutr.	POUND	0.81
25000500 Phosphorous Fert. Nutr.	POUND	0.81
25000600 Potassium Fert. Nutr.	POUND	0.81
25100115 Mulch Method 2	ACRE	0.009
28000250 Temp. Eros. Contr. Seeding	POUND	0.9
54213669 Precast Flared End Section 24"	EACH	1.0
54248510 Concrete Collar	CU YD	0.90
X0322118 Remove Concrete Flared End Section	EACH	1.0

**NOTE:**

THE EXISTING STRUCTURE AT STATION 789+00 LT. CONSISTS OF A 24" R.C.C.P. WITH A MEDIAN INLET AND A PRECAST DOWNSTREAM END SECTION. THE STRUCTURE IS IN GOOD CONDITION BUT HAS THE FOLLOWING DEFICIENCIES. WHILE THE JOINT BETWEEN THE DOWNSTREAM END SECTION AND THE FIRST SECTION OF PIPE IS INTACT, THE NEXT JOINT UPSTREAM HAS SEPARATED ALLOWING SOIL TO ENTER THE STRUCTURE AND IS CAUSING A SINKHOLE IN THE FORESLOPE. ALSO, THE DOWNSTREAM END SECTION IS BROKEN.

THE PROPOSED SCOPE OF WORK IS TO REPLACE THE DOWNSTREAM END SECTION WITH A NEW PRECAST END SECTION. THE EXISTING SAFETY GRATE SHALL BE REUSED. A CONCRETE COLLAR SHALL BE USED TO CONNECT THE PROPOSED END SECTION TO THE STRUCTURE. ALSO, A CONCRETE COLLAR SHALL BE USED TO SEAL THE SEPARATED JOINT. THE COST OF EXCAVATION NECESSARY TO PERFORM THE REQUIRED WORK IS INCLUDED IN THE VARIOUS PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FILE NAME =	USER NAME = hoganbj	DESIGNED - BJM	REVISED -
ct:\pw\work\pwwork\hoganbj\d0158340\0570650\sh-t-sm_struct_det.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2010	DATE - 09/23/10	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE STRUCTURE IMPROVEMENT DETAIL**  
**LOCATION #1 STA. 789 + 00**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA.    TO    STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-20(1),21,22)RS-3	McLean	150	51
CONTRACT NO.			70550	
ILLINOIS FED. AID PROJECT				