

"P-IKE-EB-3"
CURVE DATA
 (F.A.I. Rte. I-290 EB)
 P.I. Sta. = 5140+57.13
 $\Delta = 5^\circ 07' 22''$ (LT)
 $D = 1^\circ 00' 19''$
 $R = 5,700.00'$
 $T = 254.99'$
 $L = 509.63'$
 $E = 5.70'$
 $e = RC (2.00\%)$
 $T.R. = 96'$
 $S.E. Run = 96'$
 $P.C. Sta. = 5138+02.14$
 $P.T. Sta. = 5143+11.78$

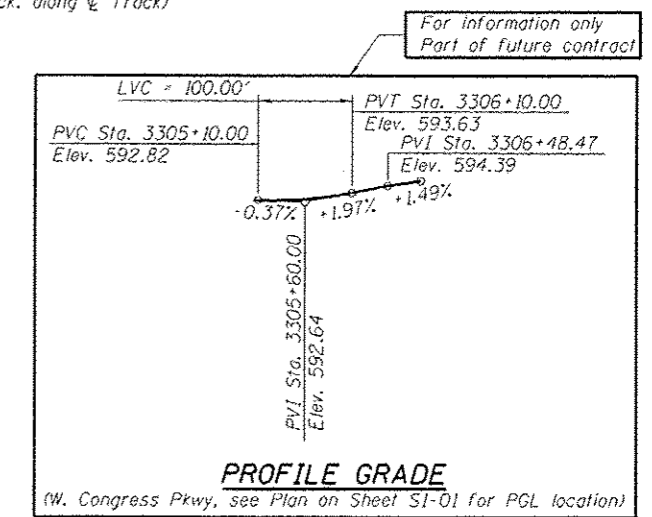
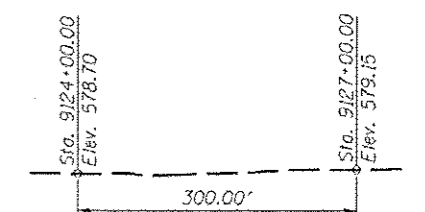
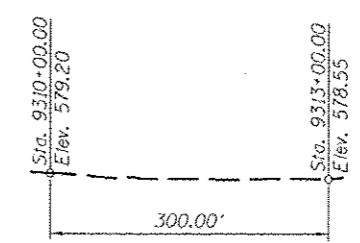
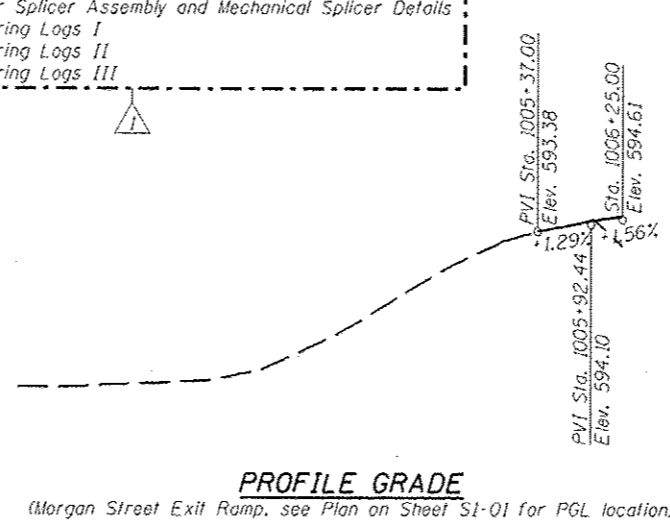
"P-IKE-WB-3"
CURVE DATA
 (F.A.I. Rte. I-290 WB)
 P.I. Sta. = 5251+25.31
 $\Delta = 9^\circ 58' 24''$ (RT)
 $D = 0^\circ 53' 03''$
 $R = 6,480.00'$
 $T = 565.40'$
 $L = 1,127.95'$
 $E = 24.62'$
 $e = RC (2.00\%)$
 $T.R. = 72'$
 $S.E. Run = 72'$
 $P.C. Sta. = 5245+59.91$
 $P.T. Sta. = 5256+87.86$

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	SUB.	TOTAL QUANTITY
Removal of Existing Structures No. 1	EACH	1	-	1
Protective Shield	SO YD	1,439	-	1,439
Structure Excavation	CU YD	-	144	144
Concrete Structures	CU YD	-	853.7	853.7
Concrete Superstructure	CU YD	766.5	-	766.5
Bridge Deck Grooving	SO YD	1,287	-	1,287
Form Liner Textured Surface	SO FT	-	1,732	1,732
Protective Coat	SO YD	2,237	-	2,237
Furnishing and Erecting Structural Steel	L. SUM	1	-	1
Stud Shear Connectors	EACH	10,044	-	10,044
Reinforcement Bars	POUND	-	351,016	351,016
Reinforcement Bars, Epoxy Coated	POUND	167,950	194,480	362,430
Bar Splicers	EACH	789	242	1,031
Name Plates	EACH	1	-	1
Permanent Casing	FOOT	-	1,274	1,274
Drilled Shaft in Soil	CU YD	-	1,470	1,470
Drilled Shaft in Rock	CU YD	-	42	42
Preformed Joint Strip Seal	FOOT	124	-	124
Elastomeric Bearing Assembly, Type I	EACH	24	-	24
Elastomeric Bearing Assembly, Type II	EACH	12	-	12
Anchor Bolts, 1"	EACH	72	-	72
Anchor Bolts, 1/2"	EACH	24	-	24
Concrete Sealer	SO FT	-	8,728	8,728
Geocomposite Wall Drain	SO YD	-	391	391
Pile Extraction	EACH	-	27	27
Decorative Railing Parapet Mounted	FOOT	639	-	639
Braced Excavation	CU YD	-	2,906	2,906
Bridge Fence Railing (Special)	FOOT	140	-	140
Granular Backfill for Structures	CU YD	-	608	608
Pipe Underdrains For Structures 6"	FOOT	-	203	203



HBM
 HARRISON CONSULTING & DESIGN
 4415 WEST HARRISON ST.
 SUITE 200
 HILLSIDE, IL 60142
 PHONE: (708) 256-0900
 FAX: (708) 256-0901

DESIGNED - MI, JJS	REVISED - 07/19/2013 MI, LAB
DRAWN - JJS, LAB	REVISED - 07/30/2013 MI, LAB
CHECKED - MAI, MI, LAB	REVISED -
DATE - 6/17/2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, PGLS AND TOTAL BILL OF MATERIAL		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 016-1709		90/94/290	2013-007R	COOK	317	146
SCALE:	SHEET SI-02 OF 51 SHEETS	STA.	TO STA.	CONTRACT NO. 60W25		
[ILLINOIS] FED. AID PROJECT						