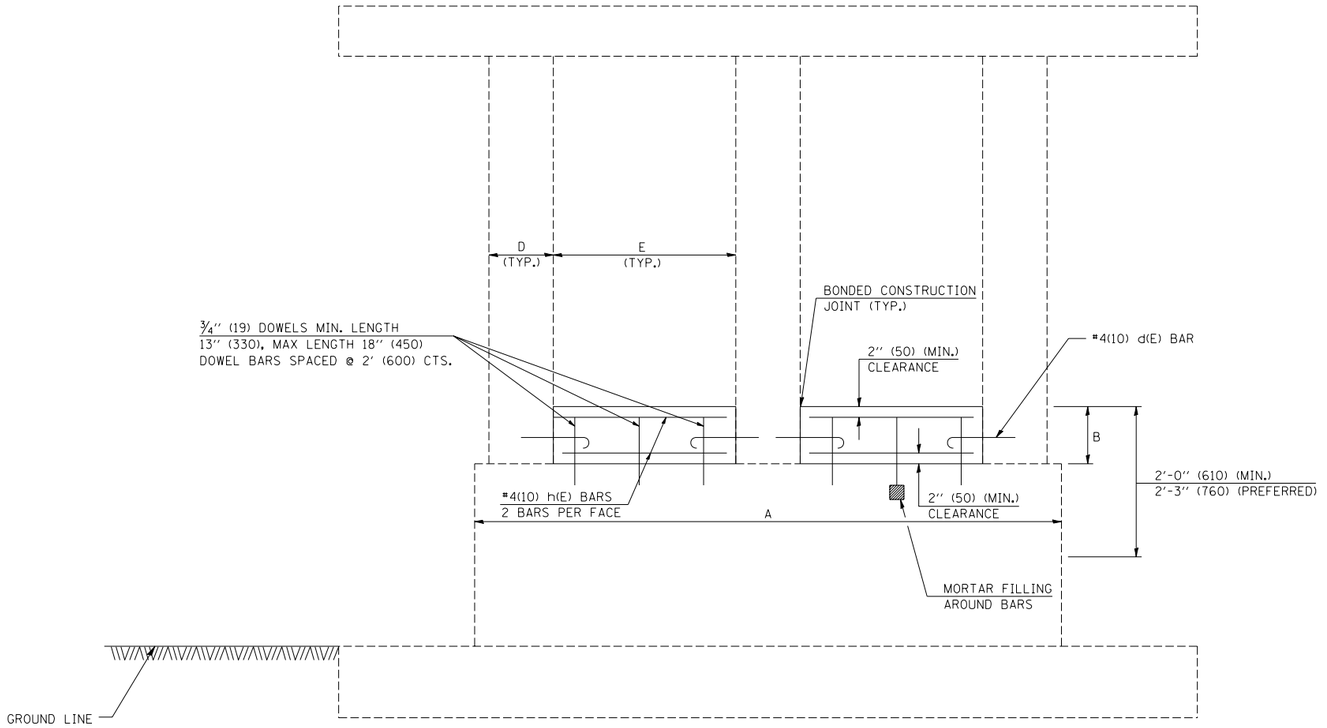
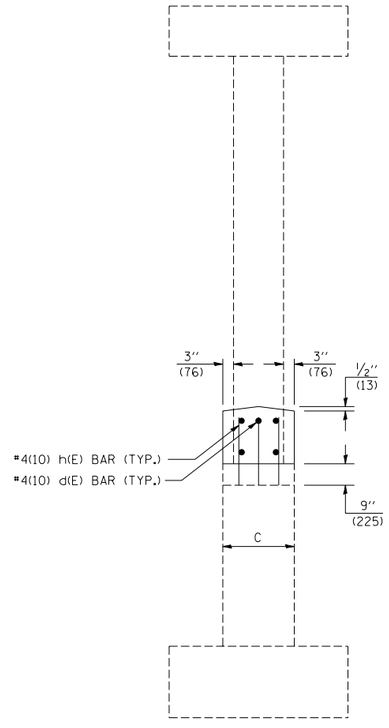
CONTRACT NO. 70628

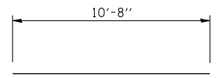
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	•	••	153	53

• D5 SAFETY IMPROVEMENT 2007-2
•• CHAMPAIGN, COLES, & DOUGLAS

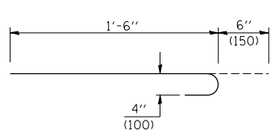
DETAIL OF CRASHWALL EXTENSION
S.N. 010–0185







BAR h(E)



BAR d(E)

GENERAL NOTES

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

DOWEL BARS SHALL CONFORM TO STATE SPECIFICATIONS. THE DOWELS ARE TO BE PLACED IN THE CRASHWALL IN PREDRILLED HOLES AND MORTARED AS SHOWN IN THE DETAIL. THE DOWELS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CLASS SI CONCRETE WHICH PRICE SHALL INCLUDE THE MATERIALS AND LABOR REQUIRED FOR THE INSTALLATION OF THE DOWELS.

DRILLED HOLES FOR DOWEL BARS SHALL BE NOMINAL 1" (25 mm) DIAMETER.

ALL DOWEL BARS SHALL BE EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO W31, M42 OR M53 GRADE 60.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

DIMENSION TABLE

STRUCTURE	LOCATION	A	B	C	D	E	d(E) LENGTH	h(E) LENGTH
010-0185	RT PIER	28'-6"	1"-9"	2'-6"	2'-0"	11'-0"	2"-0"	10'-8"
010-0185	LT PIER	28'-6"	2"-3"	2'-6"	2'-0"	11'-0"	2"-0"	10'-8"

BAR TABLE

BAR	QTY.	SIZE	SHAPE
d(E)	8	#4 (10)	⊃
h(E)	16	#4 (10)	—

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CLASS SI CONCRETE	CU. YD. (m^3)	8.2
REINFORCEMENT BARS, EPOXY COATED	LB. (kg)	124.7

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-3.01	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

CRASHWALL EXTENSION
(THREE CIRCULAR
COLUMN PIER)

PLOT DATE = 3/30/2007
FILE NAME = c:\projects\d31446 (v8)\70628detail.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = pmreader