

FILE NAME =

ROUTE NO	SEC.	COUNTY	TOTAL SHEETS	SHEET		
2484	126 BR	MCLEAN	15	6		
ILLINOIS PRO	DIECT					

BRIDGE SHEET I OF 13

CALCULATED WEIGHT OF STRUCTURAL STEEL = 23,945 LBS. M183 ; 152,287 LBS. M223 GRADE 50 THE ZING-SIZIGATE & VINYZ PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF STRUCT-URAL STEEL EXCEPT WHERE OTHERWISE NOTED.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANCE OF BEAMS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUP-PORTS. FIELD WELDING IN OTHER AREAS MILLE DE FORMITTED OLIV WHEN APPROVED BY THE ENGINEER. ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.

THE CONTRACTOR SHALL DRIVE 1 - HP 10 \times 57 TEST PILE IN A PERMANENT LOCATION AT PIERS#1, & #3 AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.

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 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 MEESSARY APPROVED ADJUSTMENTS PRIOR TO CON STRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCORE OF NORK, HAWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY PURNISHED AT THE UNIT PRICE BID FOR THE WORK.

EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING MINIMUM CERTIFIED PROOF LOAD - 4,000 POUNDS, AND 3/4" # × 12" HOOKED BOLTS.

BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY GRINDING THE SURFACE OR BY SHIMMING THE REARING. THE JOYAR ADJUSTING SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS.

THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLE MENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ZONE 2. THESE COMPONENTS ARE THE WIDE FLANGE BEAMS AND ALL SPLICE PLATE MATERIAL.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 OR M-53, GRADE 60. SHOULDER TRANSISITON TO WINGWALL SHALL BE SHAPED WITH BROKEN CONCRETE. COST INCIDENTAL

FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 3/4" Ø, OPEN HOLES /3/16" Ø, UNLESS OTHERWISE

STEEL HP $\theta \times 36$ PILES SHALL BE SET ON TOP OF EXISTING FOOTING THRU HOLES PRECORED IN EXISTING BACK FILL AND AFTER SETTING THE PILES THE HOLES SHALL BE FILLED WITH SAND. COST INCIDENTAL TO FURNISHING STEEL H-PILES.

ITEM	UNIT	SUPER.	SUB.	TOTAL	
OF EXISTING SUPERSTRUCTURES	EACH			1	
E REMOVAL	CU. YD.		46.0	460	
RE EXCAVATION	CU. YD.		22	22	
DRAINS	EACH	24		24	
SCUPPERS	EACH	8		8	
X CONCRETE	CU. YD.	273.5	68.3	341.8	
RAL STEEL	LUMP SUM	1		1	
EMENT BARS	POUND		66:0	6620	
CEMENT BARS (EPOXY COATED)	POUND	65,220	1240	66,460	
LATES	EACH			1	
IED JOINT SEAL (4")	LIN. FT.	70		70	
IVE COAT	SQ. YD.	1248		1248	
X COLICHETS ENCASEMENT	CU.YD.		:7.5	17.5	
RACK SEALING	LIN. FT.		27	27	
CONCRETE BRIDGE SLAB	SQ. FT.		299	299	
PILES (HP IO x 57)	LIN. FT.		360	360	
LES, STEEL (HP IO x 57)	EACH		2	2	
EAR CONNECTORS	EACH	3540		3540	
ing Steel Piles (HP8x36)	LIN. FT.		75	75	
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BILL OF MATERIAL - BRIDGE

* Cost of Excavation is incidental to Class X Concrete Encasement.



GENERAL PLAN & ELEVATION F.A.S RTE. 2484 SECTION 126 BR MCLEAN COUNTY STA. 826 + 78.00 STR. NO. 057-0110

					SHEET 4 OF 8				
N AND ELEVATION 0110		F.A.S. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
		2484	(125,126,127)RS-2		2	MCLEAN	122	42	
		_				CONTRACT	F NO. 7	70510	
	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		