THE EXISTING STRUCTURE WAS BUILT IN 1928 BY THE STATE OF ILLINOIS AS S.B.I. ROUTE 10, SECTION 36B-C AT STATION 201+00 IN VERMILION COUNTY. THE STRUCTURE WAS REHABILITATED IN 1977 WITH F.A. ROUTE 11, SECTION 36BR AT STATION 1362+32.35. WITH THAT SECTION, THE ORIGINAL STEEL THROUGH TRUSSES WERE REMOVED AND THE SUBSTRUCTURE UNITS WERE REBUILT TO ACCOMMODATE A NEW WIDENED PLATE GIRDER WITH R.C. DECK SUPERSTRUCTURE. THE STRUCTURE CARRIES F.A.S. 1512 (US-150) OVER THE MIDDLE FORK VERMILION RIVER WEST OF DANVILLE,

THE SUPERSTRUCTURE CONSISTS OF A 7 1/2" R.C. DECK WITH A WATERPROOFING MEMBRANE SYSTEM AND A 1 1/2" H.M.A. WEARING SURFACE SUPPORTED BY FIVE HAUNCHED WEATHERING STEEL PLATE GIRDERS WITH WEB DEPTHS VARYING FROM 54"-90". THE SUPERSTRUCTURE IS SUPPORTED BY TWO RETROFITTED COUNTERFORT ABUTMENTS AND TWO TAPERED STEM PIERS ON SPREAD FOOTINGS. THE STRUCTURE MEASURES '-357'-3" FROM BACK TO BACK OF ABUTMENTS. THE DECK HAS A CLEAR WIDTH OF 30'-6" FROM FACE TO FACE OF CURB AND AN OUT-TO-OUT WIDTH OF 34'-0".

METHOD OF CONSTRUCTION: STAGE CONSTRUCTION. SEE PROPOSED IMPROVEMENTS ON THIS SHEET.

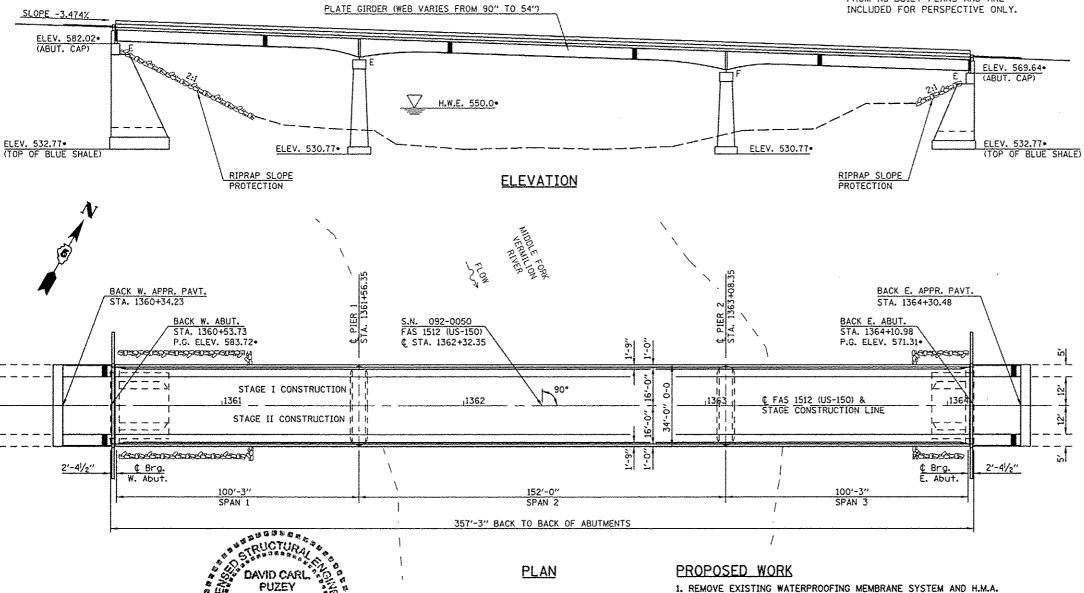
081-005470

ILLINOIS

SPRINGFIELD . *

GENERAL PLAN & ELEVATION S.N. 092-0050

. ELEVATIONS SHOWN HAVE BEEN TAKEN FROM AS-BUILT PLANS AND ARE



- WEARING SURFACE ON DECK.

 2. MILL 1 1/2" OVER APPROACH PAVEMENTS.
- 3. PERFORM PARTIAL AND FULL-DEPTH DECK SLAB REPAIR AND PARTIAL DEPTH APPROACH SLAB REPAIR.
- 4. REPLACE EXISTING ABUTMENT BEARINGS WITH ELASTOMERIC BEARING
- 5. REPLACE EXISTING EXPANSION JOINTS WITH PREFORMED JOINT STRIP SEALS.
- 6. REMOVE DECK DRAINS AND REPLACE WITH FLOOR DRAINS.
- 7. PLACE NEW WATERPROOFING MEMBRANE SYSTEM AND 1 1/2 " H.M.A. WEARING SURFACE ON BRIDGE DECK.
- 8. PLACE H.M.A. OVERLAY ON APPROACH PAVEMENTS.

TOTAL BILL OF MATERIALS

TOTAL DICE OF MATERIALS			
ITEM	UNIT	TOTAL	
H.M.A. SURFACE REMOVAL (DECK)	SQ YD	1199.0	
H.M.A. SURFACE REMOVAL, 1 1/2"	SQ YD	107.0	
CLASS D PATCHES, TYPE II, 12"	SQ YD	30.0	
WATERPROOFING MEMBRANE SYSTEM	SQ YD	1205,0	
BITUMINOUS MATERIALS (PRIME COAT)	GAL.	11.0	
H.M.A. SURFACE CSE. MIX C, N-50	TON	110.0	
DECK SLAB REPAIR (PARTIAL)	SO YD	90.0	
DECK SLAB REPAIR (FULL-DEPTH, TYPE I)	SQ YD	8.0	
DECK SLAB REPAIR (FULL-DEPTH, TYPE II)	SQ YD	25.0	
APPROACH SLAB REPAIR (PARTIAL)	SQ YD	22.0	
JACK AND REMOVE EXISTING BEARINGS	EACH	10.0	
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	5.0	
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	5.0	
FURNISHING & ERECTING STRUCTURAL STEEL	POUND	1690.0	
ANCHOR BOLTS, 1"	EACH	20.0	
CONCRETE REMOVAL	CU YD	9.1	
CONCRETE SUPERSTRUCTURE	CU YD	10.2	
REINFORCEMENT, BARS (E)	POUND	1230.0	
BAR SPLICERS	EACH	22.0	
FLOOR DRAINS	EACH	22.0	
PREFORMED JOINT STRIP SEAL	FOOT	66.0	

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION 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 SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID

SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR AND H.M.A. SURFACE REMOVAL (DECK).

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. COST INCLUDED WITH CONCRETE REMOVAL.

ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION M-270, GR. 36, UNLESS OTHERWISE NOTED.

FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 740, OPEN HOLES 1/4 00, UNLESS OTHERWISE NOTED.

PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE RUST, LOOSE MILL SCALE, AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH THE CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCLUDED IN THE PAY ITEM COVERING REMOVAL OF THE EXISTING

EXISTING STRUCTURAL STEEL THAT WILL BE IN CONTACT WITH NEW STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED PRIOR TO ERECTION AS REQUIRED BY THE SPECIAL PROVISION "CLEANING AND PAINTING CONTACT AREAS OF EXISTING STEEL STRUCTURES".

ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH THE INORGANIC ZINC RICH PRIMER PER AASHTO M300, TYPE I. COST INCLUDED WITH FURNISHING AND ERECTING STRUCTURAL STEEL.

IF THE ANALYSIS SUBMITTED TO THE CONTRACTOR FOR THE JACKING/TEMPORARY SUPPORT SYSTEM TO BE USED SHOWS TEMPORARY STIFFENERS ARE REQUIRED TO PREVENT WEB CRIPPLING OR BUCKLING, THE STIFFENERS SHALL BE STEEL AND BOLTED TO THE WEB. IF STIFFENERS ARE NOT REQUIRED, HARDWOOD TIMBERS SHALL BE INSTALLED TIGHTLY BETWEEN THE TOP AND BOTTOM FLANGE TO PREVENT FLANGE ROTATION.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STD. SPECS. WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER

THE EXISTING STRUCTURE HAS BEEN FOUND TO CONTAIN NO ASBESTOS.

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FILE NAME .	USER HAME : cearlock_ld	DESIGNED - GMS	REVISED -		GENERAL PLAN & ELEVATION	F.A.S. SECTION	COUNTY TOTAL SHEET
c:\pw.work\pwidat\ceerlockjd\d0280772\0	idge Repairs SN 892-8958.dgn	DRAWN - GMS	REVISED -	STATE OF ILLINOIS	S.N. 092~0050	1512 36BDR	VERMILION 34 6
1	PLOT SCALE > 40.0001 1/ 10.	CHECKED +	REVISED -	DEPARTMENT OF TRANSPORTATION	2.44, USZ-0030		CONTRACT NO. 70965
	PLOT DATE = 2/25/2013	DATE - 2-21-2012	REVISED -		SCALE: SHEET NO. 1 OF 25 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AND	D PROJECT