



**CROSS SECTION
LOOKING WEST**

GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENT PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

AREA OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS. WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50° F.

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 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 CONCRETE.

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

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE DECK SURFACE SHALL HAVE ITS FINAL FINISH TINED ACCORDING TO ARTICLE 420.09(1)(1) OF THE STANDARD SPECIFICATIONS. COST INCLUDED WITH CONCRETE SUPERSTRUCTURES.

PROTECTIVE COAT SHALL BE APPLIED TO THE FRONT AND TOP FACE OF PARAPET, MEDIAN AND DECK SURFACE.

FASTENERS SHALL BE HIGH STRENGTH BOLTS, BOLTS 3/4"Ø. OPEN HOLES 1/8"Ø UNLESS OTHERWISE NOTED.

EXISTING STRUCTURAL STEEL THAT WILL BE IN CONTACT WITH NEW STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED PRIOR TO ERECTION AS REQUIRED BY THE CBSP "CLEANING AND PAINTING CONTACT SURFACE 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 STRUCTURAL STEEL REPAIR.

DO NOT SCALE DIMENSIONS.

TOTAL BILL OF MATERIALS

| ITEM | UNIT | QUANTITY |
|------------------------------------|---------|----------|
| REINFORCEMENT BARS (EPOXY COATED) | POUND | 1550 |
| CONCRETE REMOVAL | CU. YD. | 11.4 |
| CONCRETE SUPERSTRUCTURE | CU. YD. | 10.2 |
| PREFORMED JOINT STRIP SEAL | FOOT | 218 |
| STRUCTURAL REPAIR OF CONCRETE > 5" | SQ. FT. | 208 |
| STRUCTURAL REPAIR OF CONCRETE ≤ 5" | SQ. FT. | 309 |
| PROTECTIVE COAT | SQ. YD. | 3229 |
| BAR SPLICERS | EACH | 24 |
| RELIEF JOINTS, 4" | FOOT | 218 |
| STRUCTURAL STEEL REPAIR | POUND | 130 |
| SLOPEWALL 4" | SD. YD. | 54 |
| SLOPEWALL REMOVAL | SD. YD. | 54 |
| CONCRETE STRUCTURES | CU. YD. | 1.4 |
| TEMPORARY SHORING AND CRIBBING | EACH | 8 |

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| FILE NAME : | USER NAME : hardnetbr | DESIGNED - MVT | REVISED - 4/28/14 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | U.S. 30 (LINCOLN HIGHWAY) BRIDGE OVER I-57 CROSS SECTION AND DETAILS S.N. 016-0285 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\p\work\p\dot\hardnetbr\0101071101-0285.dgn | DRAWN - MVT | REVISED - | 353 | | | D404-1004HB-BR | COOK | 29 | 5 | |
| Default | PLOT SCALE = 100,000 / in. | CHECKED - RTB | REVISED - | | | CONTRACT NO. 60X21 | | [ILLINOIS] FED. AID PROJECT | | |
| | PLOT DATE = 5/2/2014 | DATE - | REVISED - | | | SCALE: | SHEET 2 OF 12 SHEETS | STA. | TO STA. | |