INDEX OF SHEETS General Plan & Elevation Staging Temporary Concrete Barrier For Stage Construction GENERAL NOTES Deck Repairs All new structural steel shall conform to AASHTO Classification M270 Gr. 36 Concrete Removal & Replacement 6-7 Preformed Joint Strip Seal unless otherwise noted. -WB Elev. 435.37 Substructure Repairs WB Elev. 433.10 -4914 EB Elev. 436.31 Bar Splicer Assembly Details Fasteners shall be AASHTO Mi64 Type 1, mechanically galvanized boits (in pointed areas and Mi64 Type 3 in unpainted areas). Boits 78 °, holes 15 li6 16 , unless EB Elev. 434.07 10 otherwise noted. Concrete WB Elev. 417.65 - 17 17 17 Slopewall. WB Elev. 416.67 ORIGINAL DESIGN STRESSES No field welding is permitted except as specified in the contract documents. EB Elev. 416.56 MI II NA (Typ.) EB Elev. 416.68 FIELD UNITS f'c = 1.400 psi (Piers and Superstructure) Reinforcement bars designated (E) shall be epoxy coated. f'c = 1.000 psi (Substructure w/ Earth Pressure) ELEVATION 5. Prior to pouring the new concrete deck, all heavy or loose rust, lease mill scale, fy = 20,000 psi (Reinforcement) fy = 20,000 psi (Structural Steel A36) and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless n = 10otherwise noted. Removal shall be accomplished by methods that will not damage N = 75 DSi 176'-858" Back-to-Back Abutment the steel and the cost will be included in the pay Item covering removal of the existing concrete. 56'-834" 56'-8³4" 63'-38" FAI 64 CURVE DATA 6. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be around (Spiral Curve) flush and inspected for cracks using magnetic particle testing (MT) or dye 4 Spd. @ 10'-0" 4 Spa. @ 10'-0" penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks Baugh Ave. PI STA. = 183+40.62 that can not be removed by grinding 4" in. deep shall be identified and reported to A = 30° 24' 20" Bk. East Abutment the Bureau of Bridges and Structures for further disposition. The cost of △c= 27° 24' 20" 1.9/ Sta. 95+46.98 removing welded accessories, grinding and inspecting weld areas and grinding Dc= 1° 30' 0" cracks will be paid for according to Article 109.04 of the Standard Specifications. Rr= 3.819.72' SN 1082-0154 Lc= 1827.04' 7. Plan dimensions and details relative to existing plans are subject to nominal Ls= 200.00' Floor construction variations. The Contractor shall field verify existing dimensions and 0 s= 1° 30' 0" Drain details affecting new construction and make necessary approved adjustments prior T «= 1138.11" to construction or ordering of materials. Such variations shall not be cause for additional campensation for a change in scope of the work, however, the Contractor Es= 138.98' S.E. = 0.01'/FT. will be paid for the quantity actually furnished at the unit price bid for the work. Bk. West Abutment 8. Existing reinforcement bars extending into the removal area shall be cleaned. Sto. 93+66,41 straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar 44.62 splicer or anchorage system. Cost included with Concrete Removal. -€ US 64 FA Bough Ave. Sta. 3+04.97 Joint openings shall be adjusted according to Article 520.04 of the Standard Specs. € FAI 64 Sta. 95+08.10 when the deck is poured at an ambient temperature other than 50° F. 10. Areas of deck repairs shown are estimated. The Engineer shall show actual Tangent to @ FAI 64-45°13′4\;" locations of deck repairs on As-built Plans. Bk. East Abutment at Sta. 95+08.10 Sta. 96+19.47 The existing structural steel contains lead. The contractor shall take appropriate CARRELEGISTE DES cc=4225f=5225=5425f4\$55f=55555f=55555 precautions to deal with the presence of lead on this project. 12. All structural steel shall be shop painted with the inorganic zinc rich primer per Bk. West Abutment AASHTO M300. Type 1. Color to match existing. Cost included with Furnishing and Sta. 94+45,93 Erecting Structural Steel. 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 Provisions "Cleaning & Painting Contact Surface Areas of Existing Steel Structures". TOTAL BILL OF MATERIAL 45.74 UNIT QUANTITY Cu. Yd. 35.7 Concrete Removal 1:2 N:HI 35.3 Concrete Superstructure Cu. Yd. Bridge Deck Concrete Sealer 19080 Sq. Ft. Reinforcement Bars, Pound 5770 081-004623 Epoxy Coated Preformed Joint Strip Seal Foot 282 LICENSED Deck Slab Repair (Full) Sq. Yd. 4.8 STRUCTURAL Deck Stab Repair (Partial) Sq. Yd. 0.1 55'-74" 55'-714" 64'-01R' GENERAL PLAN & ELEVATION **ENGINEER** Structural Repair of Concrete Sa. Ft. 93 (Depth <= 5") OF INTERSTATE 64 OVER BAUGH AVE 175'-258" Back-to-Back Abutment Bar Splicers 96 Each ACKSONVILLE Furnishing and Erecting F.A.I. RTE. 64 - SEC. 82-1HB1-3 3160 Pound Structural Steel ST. CLAIR COUNTY Anchor Bolts. I" Each PLAN US 64 STA. 95+08.103 BAUGH AVE. STA. LOCATION SKETCH BENTON & ASSOCIATES, INC. FILE NAME : P:\ 1002166-2\ Design\ DESIGNED - MBH USER NAME = REVISED - 10/3/13 SECTION **GENERAL PLAN & ELEVATION** CHECKEO - SJH REVISED STATE OF ILLINOIS 64 82-1HBI-3 STRUCTURE NO. 082-0154 & 082-0155 PLOT SCALE : REVISED 8828154-75022-881-GPE.dgn **DEPARTMENT OF TRANSPORTATION**

PLOT DATE 2

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COUNTY

FED. ROAD DIST. NG. 8 | ILLINOIS FED. AID PROJECT

SHEET NO. 1 OF 10 SHEETS

ST. CLAIR 208 138

CONTRACT NO. 76D22