

**BENCHMARKS**  
**BM-36:** CHISLED SQUARE, CONCRETE CURB AT CATCH BASIN - N.E. CORNER LEO ST. & HALL AVE. INTERSECTION ELEV. 746.86  
**BM-37:** CHISLED SQUARE, N.E. CORNER CONCRETE CATCH BASIN - N.W. CORNER LEO ST. & HILLROSE AVE. INTERSECTION ELEV. 746.87

**TRAFFIC DATA**  
 CURRENT ADT (2005): 105,700  
 DESIGN ADT (2025): 124,400  
 CURRENT ADTT: 27,600  
 DESIGN ADTT: 32,500

**LEGEND:**  
 ◆ INDICATES BORING LOCATION  
 LB - LEFT BRIDGE E/P - EDGE OF PAVEMENT  
 RB - RIGHT BRIDGE TOS - TOP OF SLOPE

**NOTES:**  
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

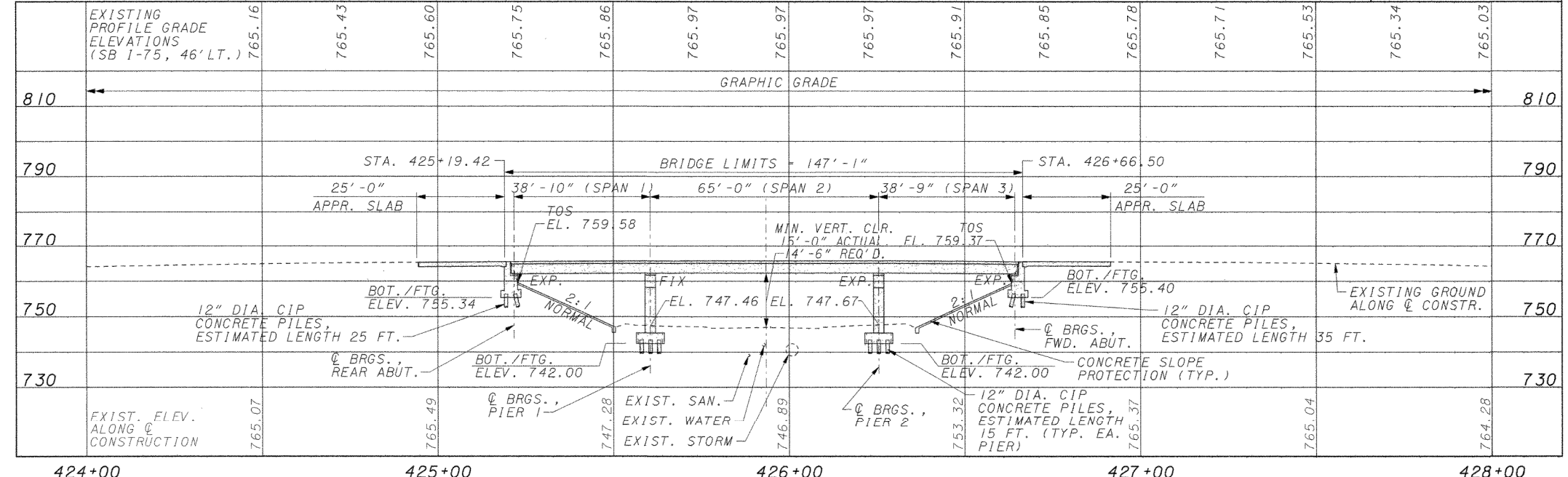
**EXISTING STRUCTURE**  
**TYPE:** 3-SPAN CONTINUOUS ROLLED BEAM BRIDGE WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURES  
**LENGTH OF SPAN:** 38'-10", 65'-0", 38'-9"  
 C/C BEARINGS, MEASURED ALONG Q CONSTRUCTION  
**ROADWAY:** 53'-8" (±) TOE/TOE PARAPETS (LB)  
 53'-8" (±) TOE/TOE PARAPETS (RB)  
**DESIGN LOADING:** CF 2000  
**SKEW ANGLE:** NONE  
**WEARING SURFACE:** 1" (±) MONOLITHIC CONCRETE WITH 1/8" (±) MSC OVERLAY  
**APPROACH SLABS:** AS-1-54 (25'-0" (±) LONG)  
**ALIGNMENT:** TANGENT  
**STRUCTURE FILE NUMBER:** 5708613  
**DATE BUILT:** 1959  
**DATE REHABILITATED:** 1989

**PROPOSED STRUCTURE**  
**TYPE:** 3-SPAN CONTINUOUS NON-COMPOSITE STEEL BEAMS (ASTM A 709 GR50 PAINTED) WITH REINFORCED CONCRETE DECK, CAP AND COLUMN PIERS, AND STUB ABUTMENTS  
**LENGTH OF SPAN:** 38'-10", 65'-0", 38'-9"  
 C/C BEARINGS, MEASURED ALONG Q CONSTRUCTION  
**ROADWAY:** 85'-8" (±) TOE/TOE PARAPETS (LB)  
 53'-8" (±) TOE/TOE PARAPETS (RB)  
**SIDEWALK:** NONE  
**DESIGN LOADING:** HS20 (CASE 1) AND THE ALTERNATE MILITARY LOADING FWS = 60 PSF  
**SKEW ANGLE:** NONE  
**WEARING SURFACE:** MONOLITHIC CONCRETE  
**APPROACH SLABS:** AS-1-81 (25'-0" LONG)  
**ALIGNMENT:** TANGENT  
**CROWN:** 0.016 FT/FT  
**LATITUDE:** N 39°46'58"  
**LONGITUDE:** W 84°11'06"

**ENGINEERS SEAL**  
 STATE OF OHIO  
 JACK E. ADOTT  
 REGISTERED PROFESSIONAL ENGINEER  
 SIGNED: *Jack E. Adott*  
 DATE: 3/16/07

**CURVE DATA (ML-4)**  
 P.I. STA. 430+61.66  
 Δ = 09°49'57" RT.  
 Δc = 01°30'00"  
 R = 3820.00 FT.  
 T = 328.58 FT.  
 L = 655.53 FT.  
 E = 14.11 FT.  
 e max = NC

① MIN. HORIZ. CLR. 17'-2" ACTUAL 13'-0" REQ'D.  
 ② MIN. HORIZ. CLR. 15'-10" ACTUAL 13'-0" REQ'D.



**PROFILE ALONG SB PROFILE GRADE LINE, I-75**

**NOTE:** FOR UTILITY DISPOSITIONS, SEE PLAN VIEW.

DESIGN AGENCY: COLUMBUS ENGINEERING CONSULTANTS, INC. 840 MICHIGAN AVENUE, COLUMBUS, OH 43261 TEL: 614/228-3500  
 DATE: 02/06  
 TT: STRUCTURE FILE NUMBER 5708613  
 DRAWN: MME  
 CHECKED: J.J.  
 DESIGNED: SKT  
 MONTGOMERY COUNTY STA. 425+19.42 TO STA. 426+66.50  
 SITE PLAN  
 BRIDGE NO. MOT-75-1462  
 I-75 MAINLINE OVER LEO STREET  
 MOT-75-13.11  
 1/20  
 1754  
 1811