CONTRACT NO. 70757 ROUTE NO. SECTION I-55 (57-4HB-3)BR 310 205 McLean SUGGESTED CONSTRUCTION SEQUENCE FED. ROAD DIST. NO. 7 ILLINOIS PROJECT Sheet 5 of 31 1. Remove Existing Superstructure - Stage I 7. Complete Stage I and switch traffic flow. Provide (+/-) 6 m of Temporary Sheet Piling \*(Minimum Embedment = 3.75 m 2. Place Temporary Sheet Piling. 8. Excavate Stage II to finish grade lines. Minimum Section Modulus =  $1357 (10^3 \text{mm}^3/\text{m})$ Provide (+/-) 8m of Temporary Sheet Piling 3. Remove portion of existing abutment. 9. Construct Stage II Abutments. Provide Sufficient \*(Minimum Embedment = 3.75 m El. 271.0 W. Abut. © driving attachment Minimum Section Modulus =  $1138 (10^3 \text{mm}^3/\text{m})$ 4. Excavate Stage I to finish grade lines. 10. Complete pipe drain and abutment backfill. or 600 maximum. (Optional) Pay Limit (Typ.) 5. Construct Stage I Abutments 11. Remove Temporary Sheet Piling. Pay Limit El. 272.0 W. Abut. El. 271.4 E. Abut. 6. Place drainage pipe and backfill and 12. Complete Stage II Construction. penetrate sheet or sheets with drain. -Cut through sheet or sheets with Pipe penetration, leaving 300 lower portion in place after sheet piles are removed. El. 265.75 W. Abut. Cut penetration in sheet or sheets for placement of drainage pipe © Brg. Pier No. 1 © Brg. Pier No. 2 © Brg. East Abutment 111111114 © Brg. West Abutment Hatched portion P.G. Sta. 38+534.309 P.G. Sta. 38+552.632 P.G. Sta. 38+566.218 P.G. Sta. 38+520.722 to remain in Southbound Lanes Allinini Allini Southbound Lanes Southbound Lanes through sheets and temporarily cap. Southbound Lanes place after 111111111111 Remove cap for connection during 760 300 460 El. 262.0 construction. Stage II construction. 460 300 Embedments are below proposed 1.220 m 1.220 m 1.220 m 1.220 m Excavation or Slope Lines. 20-26'-36" TEMPORARY SHEET PILING \_\_ P.G.L. (East Abutment Shown - West Abutment Similar) **G** S.B. F.A.I. 55 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design 10 submittal including plan details and calculations will be required \*12.143 m for review and acceptance by the Engineer. \_Stage Construction Line 13.428 <u> ∠Temporary</u> Sheet Piling (Typ 4 Locations) ←Ç Median & Ç Survey F.A.I. 55 Piles at the east abutment shall be driven through 457 mm (1'-6") diameter precored Local Tangent at holes extending to elevation 265.00 according to Article 512.09(c) of the Standard Specifications. 13.560 n 9.144 m . 13**.**560 i Sta. 38+544.044 8.543 m Cost included in driving piles. \_\_Stage Construction Line \_\_\_\_\_€ N.B. F.A.I. 55  $\Gamma_{P.G.L}$ Possible interference with existing approach pavement pile. New piles shall be relocated to clear existing piles 1() as directed by the Engineer. FOOTING LAYOUT & TEMPORARY SHEET PILING 1.220 m 1.220 m 1.220 m 1.220 m F.A.I. 55 OVER LINDEN STREET 460 300 300 460 SECTION (57-4HB-3)BR 760

<u>₡</u>Brg. East Abutment

P.G. Sta. 38+567.276

Northbound Lanes

\ & Brg. Pier No. 2

Northbound Lanes

P.G. Sta. 38+553.742

LAYOUT G.L.C. 11/5/97 DRAWN D.A.N. 11/5/97 RFVJFWFD \* \*\*,\*\*,\*\*

\* Radial Dimensions

& Brg. Pier No. 1

Northbound Lanes

P.G. Sta. 38+535.489

FOOTING LAYOUT

© Brg. West Abutment

P.G. Sta. 38+521.953

Northbound Lanes

STRUCTURE NO. 057-0235 (N.B.) & 057-0236 (S.B.)

MCLEAN COUNTY STATION 38+544.044

ST HANSON

9452063

03/26/04