



EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS WITH COMPOSITE REINFORCED CONCRETE DECK AND WALL TYPE ABUTMENTS AND WALL TYPE PIERS ON SPREAD FOOTINGS

SPANS: 67'-11 3/4" ±, 84'-11 5/8" ±, AND 67'-11 3/4" ±
 C/C BEARING (ALONG REFERENCE CHORD)

ROADWAY: 52'-10" ± T/T PARAPET (LT.), 40'-10" ± T/T PARAPET (RT.)

LOADING: CF 2000

SKEW: 29°57'57" LF

APPROACH SLABS: (AS-1-72) 25'-0" ± LONG

ALIGNMENT: 1°15'00" ± CURVE RIGHT

CROWN: 0.040' PER FT.

WEARING SURFACE: 1 1/4" ± LATEX CONCRETE OVERLAY

STRUCTURAL FILE NO.: 4300750 (L), 4300785 (R)

DATE BUILT: 1962 REHABILITATED: 1982

PROPOSED STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS WITH COMPOSITE REINFORCED CONCRETE DECK AND SEMI-INTEGRAL WALL-TYPE ABUTMENTS AND WALL-TYPE PIERS ON SPREAD FOOTINGS AND DRILLED SHAFTS.

PROPOSED WORK: ADD CONTINUOUS A709 STEEL BEAMS WITH WIDENED COMPOSITE REINFORCED CONCRETE DECK ON WIDENED SEMI-INTEGRAL WALL TYPE ABUTMENTS AND WALL-TYPE PIERS ON DRILLED SHAFTS

SPANS: 67'-11 3/4" ±, 84'-11 5/8" ±, AND 67'-11 3/4" ±
 C/C BEARING (ALONG REFERENCE CHORD)

ROADWAY: 57'-3 1/4" T/T PARAPET (S.R. 2, E.B. & W.B.), 30'-0" T/T PARAPET (RAMP E), 30'-0" T/T PARAPET (RAMP F)

LOADING: HS20, ALT. MILITARY LOADING, 60 PSF (F.W.S.)
 SKEW: 29°57'57" L.F.

APPROACH SLABS: AS-1-81, 30'-0" LONG
 ALIGNMENT: 1° 15' 00" CURVE RIGHT
 CROWN: SUPERELEVATION, 0.036' PER FT.
 WEARING SURFACE: 1" MONOLITHIC CONCRETE
 COORDINATES: LATITUDE N 41° 39' 11" LONGITUDE W 81° 24' 33"

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DATE: 12/07
 REVIEWED: RBB
 DRAWN: CAF
 DESIGNED: FJG
 CHECKED: MVD

LAKE COUNTY
 BRIDGE NO. LAK-2-0530 L&R
 STATE ROUTE 2 OVER CHAGRIN RIVER

S I T E P L A N
 STA. 380+16.98 TO
 STA. 382+43.13

LAK-2-3.32
PID 13486

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1463
 1679