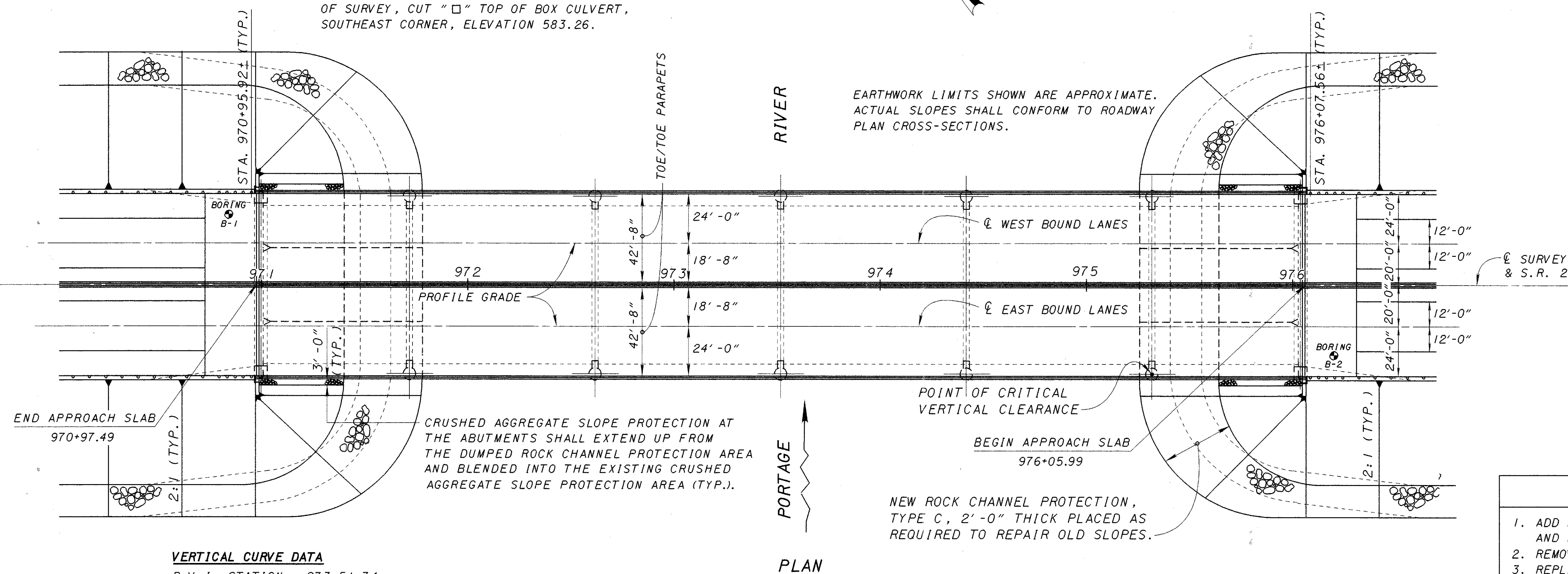


BENCHMARKS

1. AT STA. 960+78.50, 46' RIGHT OF CENTERLINE OF SURVEY, CUT "□" IN TOP OF SOUTHEAST WINGWALL, ELEVATION 580.20.
2. AT STA. 971+01.00, 36.5' RIGHT OF CENTERLINE OF SURVEY, CUT "□" SOUTHEAST CORNER AT TOP OF CURB ON BRIDGE, ELEVATION 603.44.
3. AT STA. 983+31.50, 55' RIGHT OF CENTERLINE OF SURVEY, CUT "□" TOP OF BOX CULVERT, SOUTHEAST CORNER, ELEVATION 583.26.

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO ROADWAY PLAN CROSS-SECTIONS.



VERTICAL CURVE DATA

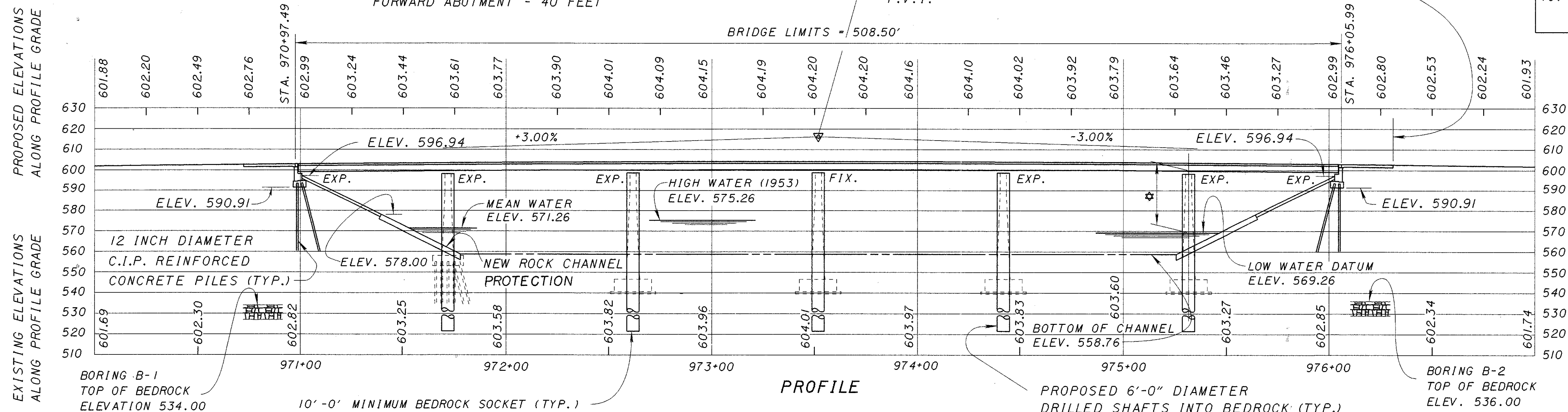
P.V.I. STATION = 973+51.74
P.V.I. ELEVATION = 616.20
V.C. LENGTH = 1600'
G1 = +3.0%
G2 = -3.0%

DESIGN TRAFFIC:
2016 ADT= 21,100
2016 ADTT= 4431

12 INCH DIAMETER CAST-IN-PLACE CONCRETE PILES ESTIMATED PAY LENGTH:
REAR ABUTMENT - 35 FEET
FORWARD ABUTMENT - 40 FEET

★ REQUIRED MINIMUM VERTICAL CLEARANCE = 30.00'
ACTUAL MINIMUM VERTICAL CLEARANCE = 30.08'

SEE ROADWAY PLANS FOR APPROACH PAVING TRANSITIONS TO APPROACH SLABS AND FOR DECK DRAINAGE INTERCEPT DETAILS OFF OF THE STRUCTURE (TYP.).



NOTE:
6'-6" DRILLED SHAFTS ABOVE BEDROCK (TYP.)
TOP OF DRILLED SHAFT ELEVATION 570.00 (TYP.)

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM REINFORCED CONCRETE DECK AND SUBSTRUCTURE
SPANS: ±72'-0", ±90'-0", ±90'-0", ±90'-0", ±90'-0", ±72'-0" C/C OF BEARING
ROADWAY: 32'-0" F/F 2'-3" SAFETY CURBS EACH STRUCTURE
LOADING: CF400
SKEW: NONE
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: AS-1-54 (25'-0" LONG)
ALIGNMENT: TANGENT
DATE BUILT: 1968
SFN: 6200338

PROPOSED STRUCTURE

TYPE: CONTINUOUS EXISTING AND NEW (A572) PAINTED STEEL BEAMS WITH NEW WIDENED COMPOSITE REINFORCED CONCRETE DECK AND WIDENED SUBSTRUCTURE
SPANS: ±72'-0", ±90'-0", ±90'-0", ±90'-0", ±90'-0", ±72'-0" C/C OF BEARING
ROADWAY: 42'-8" TOE TO TOE OF PARAPETS FOR EACH STRUCTURE
LOADING: HS20-44 CASE 11 AND THE ALTERNATE MILITARY LOADING
SKEW: NONE
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: AS-1-81 (25'-0" LONG)
CROWN: 0.016

PROPOSED WORK

1. ADD NEW BEAMS, WIDEN PIERS, DECKS AND ABUTMENTS, AND REPLACE BACKWALLS.
2. REMOVE AND REPLACE EXISTING BRIDGE DECKS.
3. REPLACE EXISTING EXPANSION JOINTS WITH STRIP SEALS.
4. STRENGTHEN BRIDGE BY WELDING SHEAR CONNECTORS TO THE BEAMS.
5. JACK AND RESET CERTAIN BEARINGS.
6. CONSTRUCT SAFETY SHAPE PARAPETS.
7. REPLACE APPROACH SLABS.
8. SEAL ABUTMENTS, PARAPETS AND DECK FASCIA.
9. PAINT ALL STRUCTURAL STEEL.
10. REPAIR DESIGNATED AREAS OF SPILL-THRU SLOPES WITH AGGREGATES.

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BUREAU OF BRIDGES AND STRUCTURAL DESIGN				1 / 25	
SITE PLAN					
BRIDGE NO. OTT-2-1839 OVER PORTAGE RIVER					
OTTAWA COUNTY SFN 6200338				STA. 970+97.49 976+05.99	
DESIGNED AJM	DRAWN AJM	TRACED JS	CHECKED JS	REVIEWED BME	DATE 7/28/93