

- NOTES**
1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS-SECTIONS.
 2. FOR ROCK CHANNEL PROTECTION DIMENSIONS AND DETAILS SEE SHEET 2/9
 3. ALL SLOPES ARE 2:1 UNLESS OTHERWISE SHOWN.
 4. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS OTHERWISE STATED, EXCEPT FOR STATIONS AND ELEVATIONS, WHICH ARE GIVEN IN METERS.
 5. FOR STREAM CROSS SECTIONS SEE SHEETS 12 AND 13 OF 25.
 6. ALL UTILITIES IN THE CONSTRUCTION LIMITS WILL BE RELOCATED BY OWNERS.

- LEGEND**
- TEMPORARY SHORING LIMITS
 - WEARING COURSE REMOVED
 - SOIL BORING
 - PLUS FIT-UP

BENCH MARKS

- B.M. 1 - R.R. SPIKE SET IN WEST SIDE OF 400 mm MAPLE
STA. 43+674.6, 20.3 m RT.
ELEV. 239.887
- B.M. 2 - R.R. SPIKE SET IN WEST SIDE OF 300 mm ELM
STA. 43+441.5, 12.6 m RT.
ELEV. 240.371

HYDRAULIC DATA

- DRAINAGE AREA = 1204 HECTARES
- Q25 = 32.0 CMS Q100 = 44.7 CMS
V25 = 2.64 MPS V100 = 2.54 MPS
HW 25 = 239.59 HW 100 = 239.77

DESIGN DESIGNATION

- CURRENT A.D.T. (1996) = 14500
DESIGN YEAR A.D.T. (2016) = 20,300
D.H.V. = 2030
D. = 55%
T. = 5%
DESIGN SPEED = 100 km/hr
LEGAL SPEED = 55 MPH
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL (PRIMARY) RURAL

EXISTING STRUCTURE DATA

- TYPE: SINGLE SPAN REINFORCED CONCRETE SLAB ON REINFORCED CONCRETE ABUTMENTS
- SPAN: ± 7620 F/F ABUTMENTS
ROADWAY: ± 7470 F/F GUARDRAIL
SKEW: 0°
- WEARING SURFACE: ASPHALT CONCRETE
LOADING: UNKNOWN
APPROACH SLABS: NONE
ALIGNMENT: TANGENT
DATE BUILT: 1948
STRUCTURE FILE NUMBER: 6002137

PROPOSED STRUCTURE DATA

- TYPE: SINGLE SPAN PRESTRESSED CONCRETE BOX BEAM ON REINFORCED CONCRETE ABUTMENT CAPS WITH DRILLED SHAFTS
- SPAN: 12 000 C/C BEARINGS
ROADWAY: 13 420 * F/F GUARDRAIL
SKEW: 5'00"00" R.F.
- WEARING SURFACE: ASPHALT CONCRETE
LOADING: MS18 AND THE ALTERNATE MILITARY LOADING
- APPROACH SLABS: AS-1-81M, 4600 LONG
ALIGNMENT: TANGENT
CROWN: 0.016
LATITUDE: N 40°03'55" LONGITUDE: W 82°03'40"

