



CONSTRUCTION STAGES:

STAGE 1:

1. INSTALL EROSION CONTROL DEVICES AND CONTAINMENT ENCLOSURE UNDER THE BRIDGE.
2. REMOVE ASPHALT UP TO INSIDE FACE OF THE TEMPORARY RAILING. TEMPORARY RAILING IS TO SIT ON THE CONCRETE DECK.
3. INSTALL TEMPORARY BRACING, RAILING AND SHORING.
4. CUT AND REMOVE SOUTH SIDE OF SLAB, DECONSTRUCT/DEMOLISH GIRDERS, RAILING AND ABUTMENTS.
5. REHABILITATE SOUTH HALF OF THE ABUTMENTS AND BACKFILL.
6. INSTALL FIRST TWO GIRDERS WITH DIAPHRAGMS AND TEMPORARY DIAPHRAGMS.
7. CAST SOUTH SIDE OF DECK, CURB AND APPROACH SLAB.
8. INSTALL SOUTH SIDE RAILING, GUIDE RAILS, WATERPROOFING MEMBRANE AND ASPHALT.

STAGE 2:

1. INSTALL TEMPORARY BARRIER.
2. REMOVE REMAINING SUPERSTRUCTURE AND ABUTMENT.
3. REHABILITATE NORTH SIDE OF THE ABUTMENTS AND BACKFILL.
4. INSTALL LAST TWO GIRDERS WITH DIAPHRAGMS; FOR THE INTERMEDIATE DIAPHRAGMS BETWEEN GIRDER 2 AND 3, ONLY THE TOP TWO BOLTS ARE TO BE INSTALLED (SNUG TIGHT).
5. CAST NORTH SIDE OF DECK, CURB AND APPROACH SLABS.
6. INSTALL NORTH SIDE RAILING AND GUIDE RAILS.
7. FINISH INSTALLING INTERMEDIATE DIAPHRAGMS BETWEEN GIRDER 2 AND 3.
8. PLACE GROUT FOR CLOSURE STRIP ALONG CENTER OF DECK WITH NON-SHRINK GROUT.
9. PLACE WATERPROOFING MEMBRANE AND ASPHALT ON REMAINING SECTION OF DECK AND APPROACHES.

LEGEND

- TO BE REMOVED
- NEW CONCRETE
- CONCRETE TO REMAIN

NOTES:

1. ALL DIMENSIONS ARE EXPRESSED IN MILLIMETRES.
2. ALL STATIONS AND ELEVATIONS ARE EXPRESSED IN METRES.
3. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 20X20 CHAMFER UNLESS NOTED OTHERWISE.
4. ALL V-NOTCHES TO BE 20X20.
5. REMOVAL CAN BE STARTED FROM EITHER NORTH OR SOUTH SIDE, SUBJECT TO THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.

