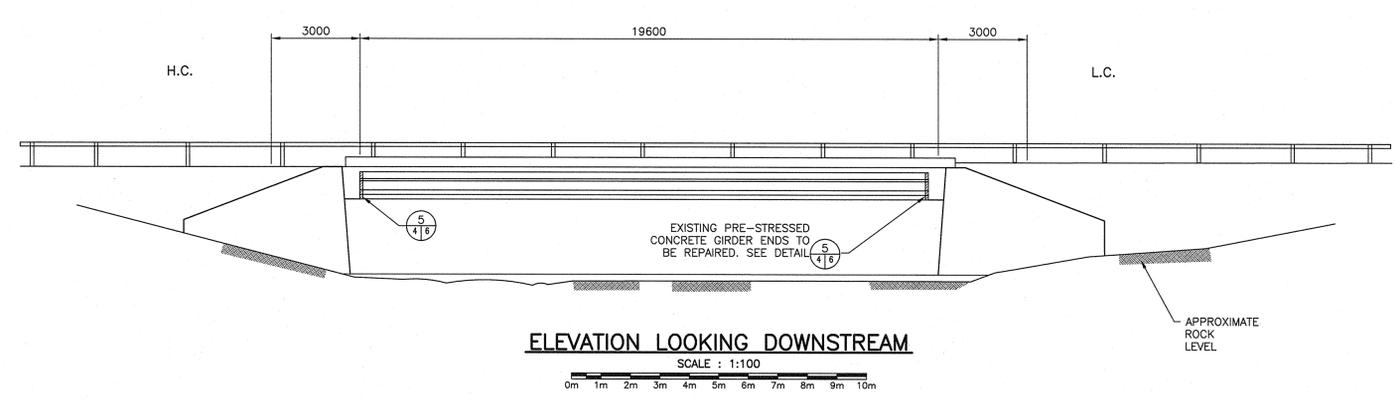
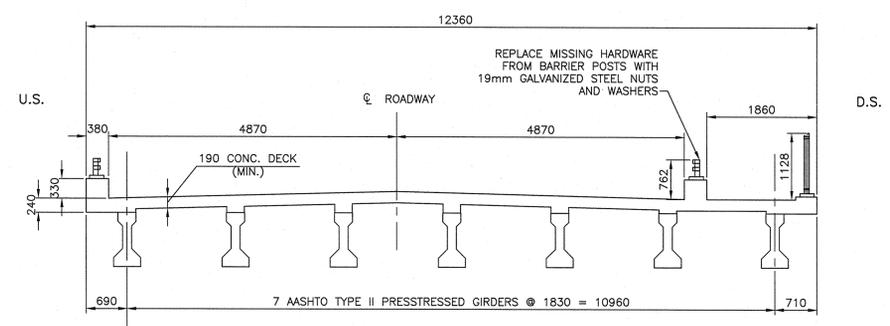


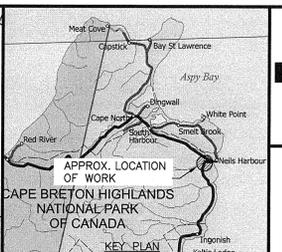
SITE PLAN
SCALE : 1:100



ELEVATION LOOKING DOWNSTREAM
SCALE : 1:100



SECTION THROUGH DECK
SCALE : 1:50



KEY PLAN
APPROX. LOCATION OF WORK
CAPE BRETON HIGHLANDS NATIONAL PARK OF CANADA

HALFWAY BROOK BRIDGE SCOPE OF WORK

1. CONFIRM ALL REPAIRS WITH DEPARTMENTAL REPRESENTATIVE IN FIELD PRIOR TO UNDERTAKING ANY WORK.
2. PROVIDE FORMWORK, ANCHORS, SUMP, ETC AS REQUIRED TO REPAIR UNDERMINING AT HIGH CHAINAGE ABUTMENT. CONTRACTOR IS RESPONSIBLE FOR DESIGN OF FORMWORK. SUBMIT SHOP DRAWINGS TO DEPARTMENTAL REPRESENTATIVE SHOWING DETAILS OF FORMWORK, ANCHORS, SUMP, ETC. DETAILS SHOWN ON THIS DRAWING ARE CONCEPTUAL ONLY. DO NOT ALLOW CONCRETE OR CEMENT LADEN WATER TO ENTER HALFWAY BROOK.
3. REMOVE AND REINSTATE ARMOUR STONE TO THE DOWNSTREAM HIGH CHAINAGE CORNER AS SHOWN ON DRAWINGS 4 & 5. REGRADE SLOPE BETWEEN ROAD SHOULDER AND TOE OF ARMOUR STONE TO PROVIDE A SMOOTH SLOPE. PROVIDE SILT FENCING, SANDBAGS AS REQUIRED TO PREVENT ANY DEBRIS OR SEDIMENT FROM CONSTRUCTION ENTERING HALFWAY BROOK.
4. REPLACE MISSING NUTS AND WASHERS TO GUARDRAIL POST CONNECTIONS.
5. REMOVE ALL FORMWORK FROM PREVIOUS REPAIRS.
6. REPLACEMENT OF EXISTING ELASTOMERIC BRIDGE BEARINGS.
7. REPLACEMENT OF EXISTING FIXED CONTROL JOINT AND EXPANSION JOINT.
8. REPAIR IDENTIFIED AREAS ON FACE OF ABUTMENTS AND WINGWALLS AS SHOWN ON DRAWINGS 5 & 9.
9. REPAIR IDENTIFIED AREAS ON DECK SOFFIT AS SHOWN ON DRAWINGS 4 & 9.
10. REPAIR CRACK IN DIAPHRAGM AS SHOWN ON DRAWINGS 4 & 9.
11. PATCH ENDS OF GIRDERS AS SHOWN ON DRAWING 6.

HALFWAY BROOK BRIDGE JACKING SEQUENCE

FOLLOWING IS A SUGGESTED JACKING PROCEDURE, HOWEVER, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DEVELOPING THEIR OWN PROCEDURE:

1. INSTALL APPROPRIATE TRAFFIC CONTROL AND SIGNAGE. REDUCE SPEED LIMIT TO 10 km/h.
2. REMOVE GUARDRAIL CONNECTION BOLTS.
3. INSTALL JACKING SYSTEM TO ONE END OF BRIDGE.
4. REMOVE ALL DEBRIS BETWEEN END OF GIRDERS AND ABUTMENT BACKWALL TO PREVENT FETCHING DURING JACKING.
5. JACK ONE END OF BRIDGE. THIS SHALL BE DONE DURING 15 min. CLOSURE OR AT NIGHT. SUPPLY TEMPORARY TIMBER WEDGES ON STANDBY DURING JACKING FOR PRECAUTIONARY REASONS.
6. REPLACE BEARINGS.
7. LOWER BRIDGE INTO PLACE, LEAVE JACKS IN PLACE.
8. REPAIR GIRDER ENDS.
9. REMOVE JACKING SYSTEM AND INSTALL TO OTHER END OF BRIDGE.
10. REPEAT STEPS 4 TO 8.
11. REMOVE EXISTING EXPANSION JOINT AND INSTALL NEW AS SHOWN ON DRAWING 5. ONE LANE OF TRAFFIC ACROSS BRIDGE DECK SHALL BE MAINTAINED AT ALL TIMES.



0	ISSUED FOR TENDER	06/03/2015
revisions		date

project: STILL BROOK, EFFIES BROOK, HALFWAY BROOK, AND NORTH ASPY RIVER (NORTH) BRIDGE REHABILITATION
CAPE BRETON HIGHLANDS NATIONAL PARK, NOVA SCOTIA

drawing: HALFWAY BROOK BRIDGE SITE PLAN, ELEVATION, AND SECTION

designed VL	conçu
date JAN. 2, 2015	
drawn MM	dessiné
date JUNE 3, 2015	
approved	approuvé
date	
Tender	Soumission

PWGC Project Manager / Administrateur de projets TPSGC
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