

PHASE 1 - CROSSOVER CONSTRUCTION AND SHOULDER REBUILDING

1. CONSTRUCT CROSSOVERS AND INSTALL TEMPORARY SHOULDERS AS DESCRIBED ON ROADWAY SHEET 24.

PHASE 2 REMOVAL - SOUTHBOUND BRIDGE - SHEET 9/54

1. SHIFT ALL TRAFFIC TO THE EXISTING NORTHBOUND BRIDGE.
2. REMOVE ENTIRE EXISTING SOUTHBOUND BRIDGE SUPERSTRUCTURE, BEARINGS, PIERS, PIER FOOTINGS, AND APPROACH SLABS. REMOVE EXISTING ABUTMENTS DOWN TO THE BEAM SEAT CONSTRUCTION JOINT AS SHOWN ON SHEET 6/54.
3. AFTER VERIFYING THE LOCATION OF THE TOP FLANGE OF THE LEFT EXTERIOR GIRDER OF THE NORTHBOUND BRIDGE, SAWCUT AND REMOVE THE EXISTING MEDIAN PARAPET AND PORTION OF THE BRIDGE DECK OF THE NORTHBOUND BRIDGE. EXERCISE EXTREME CAUTION TO AVOID DAMAGING THE EXTERIOR GIRDER AND REMAINING BRIDGE DECK SUPPORTING TRAFFIC. DO NOT REMOVE CONCRETE ABOVE THE TOP FLANGE OF THE EXISTING GIRDER. REMOVE THE MEDIAN PARAPET WITHIN THE BRIDGE LIMITS ONLY. DO NOT DISTURB THE EXISTING MEDIAN RETAINING WALL/BARRIER AT EACH END OF THE STRUCTURE IN THIS PHASE.

PHASE 2 CONSTRUCTION - SOUTHBOUND BRIDGE - SHEET 10/54

1. MAINTAIN TRAFFIC PATTERNS ON NORTHBOUND BRIDGE.
2. CONSTRUCT FOOTINGS, ABUTMENTS, AND WINGWALLS. DO NOT DISTURB EXISTING PIER FOOTINGS SUPPORTING THE NORTHBOUND BRIDGE.
3. CONSTRUCT DRILLED PILE AND LAGGING WALLS AS SHOWN ON SHEETS 14/54 THRU 16/54 OR PROVIDE OTHER MEANS OF TEMPORARY EXCAVATION BRACING AS PER ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.
4. BACKFILL ABUTMENTS AND WINGWALLS UP TO BEAM SEAT WITH LOW STRENGTH MORTAR BACKFILL (TYPE 1), AS PER PLAN PER ITEM 613.
5. ERECT STRUCTURAL STEEL, AND CONSTRUCT BRIDGE DECK AND SEMI-INTEGRAL ABUTMENT END DIAPHRAGMS.
6. INSTALL ADDITIONAL LAGGING AND BACKFILL UP TO SUBGRADE ELEVATION.
7. CONSTRUCT A PORTION OF THE APPROACH SLABS AND SLEEPER SLABS, AND CONSTRUCT THE LEFT BRIDGE RAILING.
8. INSTALL PORTABLE BARRIER IN PREPARATION FOR PHASE 3. PLUG THE DRAINAGE SLOTS IN THE PORTABLE BARRIER OVER THE S.R. 21 PAVEMENT AND SHOULDERS, AND WITHIN THE LIMITS OF THE NEW APPROACH SLABS.

PHASE 3 REMOVAL - NORTHBOUND BRIDGE - SHEET 11/54

1. SHIFT ALL TRAFFIC TO THE NEWLY CONSTRUCTED SOUTHBOUND BRIDGE (SUM-00077-22.344L).
2. REMOVE ENTIRE EXISTING NORTHBOUND BRIDGE SUPERSTRUCTURE, BEARINGS, PIERS, PIER FOOTINGS, AND APPROACH SLABS. REMOVE EXISTING ABUTMENTS AND WINGWALLS DOWN TO THE BEAM SEAT CONSTRUCTION JOINT.
3. REMOVE EXISTING MEDIAN RETAINING WALL AS SHOWN ON BRIDGE NO. SUM-77-22.350R SHEET 7/50. PROVIDE A FULL DEPTH SAWCUT AT THE REMOVAL LIMITS AND EXERCISE CAUTION TO PREVENT DAMAGE TO THE MEDIAN WALL TO REMAIN.

PHASE 3 CONSTRUCTION - NORTHBOUND BRIDGE - SHEET 12/54

1. MAINTAIN TRAFFIC PATTERNS ON SOUTHBOUND BRIDGE.
2. CONSTRUCT FOOTINGS, ABUTMENTS, AND WINGWALLS.
3. BACKFILL ABUTMENTS AND WINGWALLS UP TO BEAM SEAT WITH LOW STRENGTH MORTAR BACKFILL (TYPE 1), AS PER PLAN PER ITEM 613.
4. ERECT STRUCTURAL STEEL, AND CONSTRUCT BRIDGE DECK AND SEMI-INTEGRAL ABUTMENT END DIAPHRAGMS.
5. CONSTRUCT MEDIAN RETAINING WALL/BARRIER TRANSITIONS AS SHOWN ON SUM-77-22.350R SHEETS 44/50 & 44/50
6. CONSTRUCT TEMPORARY MSE WALL UNDERNEATH THE PROPOSED SUM-00077-22.350R APPROACH SLABS AS SHOWN ON SUM-77-22.350R PLAN SHEET 43/50
7. CONSTRUCT APPROACH SLABS AND CONCRETE BRIDGE RAILING ON BRIDGE DECK AND APPROACH SLABS.

PHASE 4 CONSTRUCTION - SOUTHBOUND BRIDGE - SHEET 13/54

1. SHIFT ALL NORTHBOUND TRAFFIC TO THE SUM-00077-22.350R STRUCTURE COMPLETED IN PHASE 3. MAINTAIN SOUTHBOUND TRAFFIC AGAINST THE LEFT BRIDGE RAILING AS SHOWN IN THE PLANS.
2. REMOVE SOLDIER PILES AND TEMPORARY LAGGING TO A MINIMUM OF 6" BELOW PROPOSED SLEEPER SLABS, APPROACH SLABS, OR ASPHALT BASE COURSE. THE TEMPORARY SHORING BELOW THIS LIMIT MAY BE LEFT IN PLACE. PAYMENT FOR THIS PARTIAL REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT LUMP SUM BID PRICE FOR ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.
3. CONSTRUCT THE REMAINDER OF THE SUM-00077-22.344L APPROACH SLABS AND SLEEPER SLABS. PATCH HOLES FROM PORTABLE BARRIER ANCHORS IN APPROACH SLABS WITH NONSHRINK GROUT PER CMS 705.20. PAYMENT FOR PATCHING SHALL BE INCIDENTAL TO THE PORTABLE BARRIER PAY ITEM.
4. CONSTRUCT THE SUM-00077-22.344L MEDIAN CONCRETE BRIDGE RAILING ON THE BRIDGE DECK AND APPROACH SLABS AND SEAL CONSTRUCTION JOINTS WITH HMWM.

NOTES

1. PAYMENT FOR ALL PORTABLE BARRIER IS INCLUDED WITH THE MAINTENANCE OF TRAFFIC QUANTITIES.

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DESIGNED	TES	CHECKED	JPR
DRAWN	TES	REVISED	
REVIEWED	MLJ	STRUCTURE FILE NUMBER	7704039
DATE	3/9/2022		

PHASE CONSTRUCTION NOTES
BRIDGE NO. SUM-00077-22.344L
OVER STATE ROUTE 21 NORTHBOUND

SUM-77-22-30
PID No. 105861

7/54

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284