GENERAL NOTES:
The original approved sheet, including original signatures, is on file in the Department of Public Works. Any discrepancy between this document and the original will prevail. Original drawings are available for review at the Richmond DPW. Discrepancies found shall be brought to the attention of the Engineer before proceeding with affected work. Any misuse of electronic files, including scanned documents, is illegal. Violators will be prosecuted to the full extent of the applicable law.

Width: 21'-6" Inside lane, 24'-3" median, 24'-6" roadway.

Structures:
- Simple steel rolled beam span
- Cantilever span
- Expansion Joint Reconstruction (HES)

Specifications and Special Provisions included in the contract documents.

Standards:
- Virginia Department of Transportation Road and Bridge Specifications, 2016.
- Specifications: Virginia Department of Transportation Road and Bridge Specifications, 2016.
- Construction: Virginia Department of Transportation Road and Bridge Specifications, 2016.


Capacity: HS20-44 loading and alternate military loading.

Bridge Dimensions:
- 33'-5" continuous steel rolled beam spans
- 33'-3" simple steel rolled beam spans
- 30'-11" typ.

Notes:
- To Rte. I-95 / I-64
- To W. Broad St.

Maintenance of Traffic Notes:
- Full closure of lanes and safety measures shall comply with the most current editions of the USDOT Manual of Uniform Traffic Control Devices.
- Construction, shoulder, and lane closures shall only be authorized by written approval and placement and removal of the temporary road shall be monitored by the contractor.
- All work shall be from above deck, if at all possible. Contractor enter from approach property or leave the outer plane of the bridge rail with work definitely in accordance with the applicable laws.
- If contractor removes more material than can be properly repaired, approval and placement and removal of the temporary road shall be monitored by the contractor.
- Violators will be prosecuted to the full extent of the applicable laws.

DEPARTMENT OF PUBLIC WORKS
RICHMOND, VIRGINIA

N. BOULEVARD JOINT REHABILITATION
PLAN, GENERAL NOTES, AND ESTIMATED QUANTITIES

DESIGN BY:
M.J.J.
L.D.C.
C.R.R.

DRAWN BY:

Mobilization
Expansion Joint Reconstruction (HES)
Close inside lane according to Figure TTC-17.0 'Inside Lane Closure Manual.
Close outside lane according to Figure TTC-16.0 'Outside Lane Closure Virginia Work Area Protection Manual.

Estimation of Traffic Measures:
- Full closure of lanes and safety measures shall comply with the most current editions of the USDOT Manual of Uniform Traffic Control Devices.
- Construction, shoulder, and lane closures shall only be authorized by written approval and placement and removal of the temporary road shall be monitored by the contractor.
- All work shall be from above deck, if at all possible. Contractor enter from approach property or leave the outer plane of the bridge rail with work definitely in accordance with the applicable laws.
- If contractor removes more material than can be properly repaired, approval and placement and removal of the temporary road shall be monitored by the contractor.
- Violators will be prosecuted to the full extent of the applicable laws.
EXPANSION JOINT RECONSTRUCTION (HES) NOTES:

- Expansion joint Reconstruction shall be in accordance with Section 20.02 of the Specifications.
- HES is an abbreviation for High Early Strength.

Notes of Expansion joint Reconstruction shall generally be between face of sidewalk curb.

See out 1 inch into concrete deck. Contractor shall note any damage, repair, and replace within the limits of Expansion Joint Reconstruction. Contractor shall be responsible for the replacement of any damaged section of concrete. Contractor shall be responsible for all labor, materials, and equipment necessary to replace any damaged section of concrete.

During the repair, the contractor shall use the same type and quality of materials as those used in the original construction. The contractor shall be responsible for the proper installation and curing of the replacement concrete. The contractor shall be responsible for all labor, materials, and equipment necessary to replace any damaged section of concrete.

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If the contractor fails to properly repair the damage, the city may perform the repair at the contractor's expense. The contractor shall be responsible for all labor, materials, and equipment necessary to replace any damaged section of concrete.

Contractor shall provide a written report to the engineer stating the cause of the damage and the steps taken to ensure that the damage does not recur.

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The contractor shall provide a written report to the engineer stating the cause of the damage and the steps taken to ensure that the damage does not recur.

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EXISTING EXPANSION JOINT
AT PIER 3

Scale: 1" = 1'-0"

Existing joint material forming for new plate to accommodate existing joint web.

PROPOSED EXPANSION JOINT
AT PIER 3

Scale: 1" = 1'-0"

New joint material forming for new plate to be installed.

NOTES:
- Damaged concrete on the curb at this location shall be removed and replaced. This shall be incidental to Expansion Joint Reconstruction. See Curb Chamfer Detail.
- Damaged concrete on the sides of the road at this location shall be removed and replaced. This shall be incidental to Expansion Joint Reconstruction.
- Damaged concrete on the sidewalk at this location shall be removed and replaced. This shall be incidental to Expansion Joint Reconstruction.

Legend:
- Indicates limits of Expansion Joint Reconstruction (HES).
- Indicates limits of median concrete removal and restoration.
- Indicates limits of median cover plate removal.

For additional details and notes, see sheet 3.
EXPANSION JOINT AT CANTILEVER
PART PLAN
Scale: 1" = 1'-0"

Legend:
- Indicates limits of expansion joint reconstruction
- Indicates limits of existing joint web

EXISTING CANTILEVER EXPANSION JOINT
Scale: 1" = 1'-0"
Rescue portion of existing joint with
plates as shown as approximated
joint material

PROPOSED CANTILEVER EXPANSION JOINT
Scale: 1" = 1'-0"
Rescue section shown, median section similar.

NOTES:
- For additional details and notes, see sheet 3.

For discrepancies found, see Sheet 3.

Contractor shall field verify all
dimensions prior to purchasing materials
or proceeding with affected work. Any
such discrepancy shall be brought to
the attention of the Engineer.

NOTE:
- For additional details and notes, see sheet 3.