COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED BRIDGE WIDENING ON I-64 OVER SETTLERS LANDING ROAD
NORFOLK, VA

DEVELOPED SECTION ALONG CONSTRUCTION B
TRANSVERSE SECTION

Scale 1/8" = 1'-0"

-PRELIMINARY PLANS-
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

*Dimensions obtained from survey files. Design-builder to verify.

-Existing to be demolished-
Note to Offerors:

These plans depict the approximate location and span layout: 96'-96' overall width 58'-8" face-to-face of curbs. These plans are incomplete unless accompanied by the Supplemental Design Exception(s):

These plans are to be developed by the Offeror.

Note: None.

GENERAL NOTES:

1. All plans are to be in accordance with Sec. 411.
2. The existing structure is designated a Type B structure in accordance with VDOT Bridge Specifications, 2016; including all current revisions. These plans are complete and include all current revisions.
3. Bridge No. of existing bridge is 2800. Plan No. is 256-95.
4. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2011 and latest revisions.
5. Bridge No. of existing bridge is 2800. Plan No. is 256-95.
6. The existing structure is designated a Type B structure in accordance with Sec. 411.

Bridge Standards, 2016; including all current revisions.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2014; and VDOT Modifications.

Standards: Virginia Department of Transportation Road and Bridge Specifications, 2016; including all current revisions.

DESIGN EXCEPTIONS:

None.

No:"
TRANVERSE SECTION
LOOKING UPSTATION

- Dimensions obtained from survey files. Design-builder to verify.

- Widening varies from 7'-10" to 11'-8"*
- Widening varies from 12'-10" to 16'-7"*

* Designation obtained from survey files. Design-builder to verify.
Preliminary Plans:
New plans will be used for construction.

Dimensions obtained from survey files. Design-builder to verify.

Potential Soundwall

To Monitor

EB Constr. along Rte. 64
Existing profile

DEVELOPED SECTION ALONG B

Existent profile
Existing grade

4993'-0" EB
4990'-5" WB

To 498' View E6

PIER 5 PIER 6 PIER 7 PIER 8 PIER 9 PIER 10 PIER 11 PIER 12

DEVELOPED SECTION ALONG B
I-64 OVER WILLOUGHBY BAY
WIDENING GENERAL PLAN
AND DEVELOPED SECTION 4

DEVELOPED SECTION ALONG Q

* Dimensions obtained from survey files. Design-builder to verify.

PRELIMINARY PLANS
These plans not to be used for construction of bridge.

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Scale: 1" = 20'

DATE: 7/13/2018

STATE ROUTE 64

ROUTE 64

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION
Preliminary Plans
These Plans Not to be Used for Construction of Bridge

Plan:

- Potential Soundwall
- Existing grade
- Dev. 21.47
- Dev. 21.50
- Dev. 21.65
- Dev. 21.67
- Dev. 21.69
- Dev. 21.85
- Dev. 21.95
- Dev. 21.99
- Dev. 22.03
- Dev. 22.06
- Const. Jt.
- Const. Jt.
- Const. Jt.
- Const. Jt.

- Plan 4
- Plan 5
- Plan 6
- Plan 7
- Plan 8
- Plan 9
- Plan 10
- Plan 11
- Plan 12

- Elev. 21.47
- Elev. 21.50
- Elev. 21.65
- Elev. 21.67
- Elev. 21.69
- Elev. 21.85
- Elev. 21.95
- Elev. 21.99
- Elev. 22.03
- Elev. 22.06

- PIER 29
- PIER 30
- PIER 31
- PIER 32
- PIER 33
- PIER 34
- PIER 35
- PIER 36

Developed Section Along B

* Dimensions obtained from survey files. Design-builder to verify.
I-64 OVER WILLOUGHBY BAY
WIDENING GENERAL PLAN
AND DEVELOPED SECTION 7

PRELIMINARY PLANS

NOTE: PLANS NOT TO BE USED FOR CONSTRUCTION OF BRIDGE

Dimensions obtained from survey files. Design-builder to verify.

SCALE 1" = 50'

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1-2018-02A 1 of 4
**Plan**

**Developed Section Along A**

- Dimensions obtained from survey files. Design-builder to verify.

**Notes**

- Preliminary Plans:
  - These plans are not to be used for construction of bridge.

**Scale:** 1" = 20'

© 2018 Commonwealth of Virginia
TRANSVERSE SECTION
LOOKING UPSTATION

Dimensions obtained from survey files. Design-bid-build to verify.

Existing - to be demolished
TRANSVERSE SECTION
LOOKING UPSTATION

Existing - to be demolished

New girders
3 eq. spa.

Existing girders (to remain)
5 eq. spa.

New girders
2 eq. spa.

Widthing

O.H. Varies

† ″/ft

† ″/ft

† ″/ft

现有的 - 要拆除

新梁
3车道

现有梁（保持）
5车道

新梁
2车道

宽度

地面高差

点的地面高差

F字形护栏，典型

A - 宽度由12'-1"到13'-8"

B - 宽度由13'-0"到13'-8"

现有的 - 要拆除

新梁
3车道

现有梁（保持）
5车道

新梁
2车道

宽度

地面高差

点的地面高差

F字形护栏，典型

A - 宽度由12'-1"到13'-8"

B - 宽度由13'-0"到13'-8"

* dimensions obtained from survey files. Design-builder to verify.
GENERAL NOTES:

- Dimensions obtained from survey files. Design-builder to verify.
- Note to Offerors:

  These plans depict the approximate location and a concept of the proposed structure. The bridge plan sheets, plans sections, and design drawings include all necessary elements and dimensions of existing structures to be developed by the Offeror.

- Preliminary Plans:

  These plans not to be used for construction.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED WIDENING ON
I-64 OVER MASON CREEK RD
CITY OF NORFOLK

Note to Offerors:

These plans depict the approximate location and a concept of the proposed structure. The bridge plan sheets, plans sections, and design drawings include all necessary elements and dimensions of existing structures to be developed by the Offeror.

Preliminary Plans:

These plans not to be used for construction.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED WIDENING ON
I-64 OVER MASON CREEK RD
CITY OF NORFOLK

Note to Offerors:

These plans depict the approximate location and a concept of the proposed structure. The bridge plan sheets, plans sections, and design drawings include all necessary elements and dimensions of existing structures to be developed by the Offeror.

Preliminary Plans:

These plans not to be used for construction.
Existing girders (to remain)

3 eq. spa.

New girders

1'-8" 2 eq. spa.

New girders

1'-8"

Proposed widening

17'-5"

Face of curb

Existing - to be demolished

PROPOSED WIDENING

Scale: 1" = 1'-0"
Developed Section Along Constr. B

Plan:

- Pier 15
- Pier 16
- Pier 17
- Pier 18
- Pier 19
- Pier 20
- Pier 21
- Pier 22

Existing Profile:

- Span a
- Span b
- Span c
- Span d
- Span e
- Span f
- Span g
- Span h
- Span i
- Span j
- Span k
- Span l
- Span m
- Span n
- Span o
- Span p
- Span q
- Span r
- Span s
- Span t
- Span u
- Span v
- Span w

Elevations:

- Elev. 29.31
- Elev. 28.50
- Elev. 27.56
- Elev. 26.46
- Elev. 25.16
- Elev. 23.80
- Elev. 22.31

Lengths:

- 53'-11" (Span o)
- 61'-10" (Span p)
- 62'-1" (Span q)
- 61'-9" (Span r)
- 62'-7" (Span s)
- 61'-7" (Span t)
- 61'-10" (Span u)
- 62'-1" (Span v)

Repairs only:

- No changes in width

Existing entrance ramp:

- 65'-7" (Pier 15)
- 39'-0" (Pier 16)
- 27'-7" (Pier 17)
- 1'-8" (Pier 18)

Potential soundwall:

- Match line EBL Sta. 779 + 50
- Match line EBL Sta. 784 + 50

Desired depth stop:

- 90° typo

Existing waterline:

- Match existing group

SCALE: 1" = 20'
PLAN

DEVELOPED SECTION ALONG CONSTR. B

PIER 23  PIER 24  PIER 25  PIER 26  PIER 27  ABUTMENT B

Scale: 1" = 20'

Dimensions obtained from survey file. Designation to verify.

PRELIMINARY PLANS

These plans are not to be used for construction.
GENERAL NOTES:

DESIGN EXCEPTION(S):

ROUTE
FEDERAL AID
PROJECT
STATE SHEET
NO.
VA.
STATE

UPC No.
Federal Structure No.
Federal Stewardship and Oversight Code:
64
0064-M06-028

REVISIONS
For Table of Revisions, see Sheet 2.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

No.
Description
Date
Approved:
Recommended for Approval:
Date:
2018, Commonwealth of Virginia

Sheet  1  of
238-10B
Scale: 1" = 20'

PLAN

DEVELOPED SECTION ALONG CONSTR. B (E.B.L.)

Note to Offerors:
These plans depict the approximate location and a concept of the proposed structure. The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and maintenance of traffic are to be developed by the Offeror.

Bridge No. of existing bridges are 2894 (EB) and 2893 (WB).

The existing structure is designated a Type B structure in accordance with Sec. 411.

These plans are incomplete unless accompanied by the Supplemental Preliminary Plans.
These plans are incomplete unless accompanied by the Supplemental Preliminary Plans and Special Provisions included in the contract documents.

Specifications and Special Provisions included in the contract documents.

Department of Transportation Work Area Protection Manual, August 2014; and VDOT Modifications.

Road and Bridge Specifications, 2016.

These plans are incomplete unless accompanied by the Supplemental Preliminary Plans and Special Provisions included in the contract documents.

Note to Offerors:
These plans depict the approximate location and a concept of the proposed structure. The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and maintenance of traffic are to be developed by the Offeror.

Approvals

Recommended for Approval
Date
Developer

Approved
Date
Chief Engineer

Sheet
238-10B

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED WIDENING ON I-64 OVER EVANS ST CITY OF NORFOLK

Note to Offerors:
These plans depict the approximate location and a concept of the proposed structure. The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and maintenance of traffic are to be developed by the Offeror.

Approvals

Recommended for Approval
Date
Developer

Approved
Date
Chief Engineer

Sheet
238-10B

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED WIDENING ON I-64 OVER EVANS ST CITY OF NORFOLK

Note to Offerors:
These plans depict the approximate location and a concept of the proposed structure. The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and maintenance of traffic are to be developed by the Offeror.

Approvals

Recommended for Approval
Date
Developer

Approved
Date
Chief Engineer

Sheet
238-10B

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED WIDENING ON I-64 OVER EVANS ST CITY OF NORFOLK

Note to Offerors:
These plans depict the approximate location and a concept of the proposed structure. The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and maintenance of traffic are to be developed by the Offeror.
TRANSVERSE SECTION
LOOKING UPSTATION

Existing = to be demolished
Note to Offerors:

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

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These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

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The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

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Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

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Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

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These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

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The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.

Note to Offerors:

The existing structure is designated a Type B structure in accordance with Sec. 411. This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2014 and latest revisions.

These plans are incomplete unless accompanied by the Supplemental Design-build Specifications and Special Provisions included in the contract documents.

These plans depict the approximate location and size of superstructure members and substructure elements and maintenance of traffic due to be developed by the Offeror.
TRANSVERSE SECTION
LOOKING UPSTATION
### GENERAL NOTES:

- **Width:** 65'-7" Face-to-face of curbs EB and WB.
- **Span:** AB 204-16.
- **Capacity:** 4-Lane existing widened portion only.

### Specifications:

- **Construction:** Virginia Department of Transportation Road and Bridge Specifications, 2016.
- **Standards:** Virginia Department of Transportation Road and Bridge Standards, 2016; including all current revisions.

### Notes:

- These plans are complete, including all required items. These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.
- This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2011 and latest revisions.
- The existing structure is designated a Type B structure in accordance with Sec. 411.
- Dimensions obtained from survey files. Design-builder to verify.
- **Note to Offerors:**
  - The bridge geometrics, span lengths, type and size of superstructure members and substructure elements and dimensions of footing are to be developed by the Offeror.
  - These plans depict the approximate location of the existing structure.
  - The bridge is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2011 and latest revisions.

### Commonality of Virginia

**DEPARTMENT OF TRANSPORTATION**

**PROPOSED BRIDGE WIDENING ON I-64 OVER MASON CREEK**

**CITY OF NORFOLK**

**Recommendation for Approval:**

- **Developer:**
- **Date:**

---

### Table of Revisions

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
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</tbody>
</table>
* Dimensions obtained from survey files. Design-builder to verify.
LOOKING UPSTATION

TRANSVERSE SECTION

Existing - to be demolished

A - Widening 21'-6"*
B - Widening 21'-6"*

* Observations obtained from survey files. Design-bidder to verify.

Dimensions obtained from survey files. Design-bidder to verify.

O.H. Varies

1'-10"

Widening

MASON CREEK

TRANSVERSE SECTION

FOR CONSTRUCTION OF BRIDGE

THESE PLANS NOT TO BE USED

PRELIMINARY PLANS

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

MASS TRANSIT

PRELIMINARY PLANS

EXISTING PLANS NOT TO BE USED

FOR CONSTRUCTION OF BRIDGE

© 2011 Commonwealth of Virginia

Revisions:

204-16A

July 2011

Scale: 1" = 1'-0"

2011, Commonwealth of Virginia
**COMMONWEALTH OF VIRGINIA**

**DEPARTMENT OF TRANSPORTATION**

**PROPOSED BRIDGE WIDENING ON**

**1-64 (EB) OVER GRANBY STREET**

**CITY OF NORFOLK**

**DEVELOPMENT: Proposed Bridge Widening on I-64 (EB) Over Granby Street**

**Location:** Norfolk, VA

**Date:** July 2018

**Engineer:** M. Chris Vaught

**Manager:** Jill R. Boxley

**Consultant:** Phillip H. Jones

**Design: AASHTO LRFD Bridge Design Specifications, 7th Edition, 2014; and VDOT Modifications.**

**Specifications:** Virginia Department of Transportation Road and Bridge Specifications, 2016; including all current revisions.

**Standards:** Virginia Department of Transportation Road and Bridge Standards, 2016; including current revisions.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.

This project is to be constructed in accordance with the Virginia Department of Transportation Road and Bridge Standards Manual, August 2014 and latest revisions.

Bridge No. of existing bridge is 2876 (EB).

**Bridge No. of existing bridge is 2876 (EB).**

**Note to Offerors:** The existing structure is designated a Type B structure in accordance with Sec. 411.

**Approach slab grade:** Match existing grade.

**Dimensioning:**

- **Approach slab:** Match existing grade.
- **Existing profile:** Traditional.
- **Existing geometry:** Traditional.
- **Approach slab:** Match existing grade.
- **Existing profile:** Traditional.

**Design:**

- **Span dimensions:**
  - **Span a:** 53'-4" (typ.)
  - **Span b:** 64'-4" (typ.)
  - **Span c:** 63'-9" (typ.)
  - **Span d:** 59'-9" (typ.)

**Elevation:**

- **Grade:** Match existing.
- **Max. out of grade:** 1".

**Approach slab:** Match existing grade.

**Preliminary Plans:**

- **Approach slab:** Match existing grade.
- **Existing profile:** Traditional.

**Total length:** 243'-10"

**Processing**

- **Construction:** Virginia Department of Transportation Road and Bridge Construction Manual, August 2014 and latest revisions.

**Approvals:**

- **Recommended for Approval:** Chief Engineer
- **Approved:**
- **Date:**

**Note to Offerors:**

- **Dimensioning:**
  - **Span dimensions:**
    - **Span a:** 53'-4" (typ.)
    - **Span b:** 64'-4" (typ.)
    - **Span c:** 63'-9" (typ.)
    - **Span d:** 59'-9" (typ.)

**Approach slab:** Match existing grade.

**Existing profile:** Traditional.

**General Notes:**

- **Total length:** 243'-10"
- **Grade:** Match existing.
- **Max. out of grade:** 1"

**Note to Offerors:**

- **Dimensioning:**
  - **Span dimensions:**
    - **Span a:** 53'-4" (typ.)
    - **Span b:** 64'-4" (typ.)
    - **Span c:** 63'-9" (typ.)
    - **Span d:** 59'-9" (typ.)

**Approach slab:** Match existing grade.

**Existing profile:** Traditional.

**Total length:** 243'-10"

**Grade:** Match existing.

**Max. out of grade:** 1"
TRANSVERSE SECTION
LOOKING UPSTATION

Face of curb

Existing girders (to remain)

2 new girders

Proposed widening

Point of finished grade

Face of curb

GRANBY ST. (EB)

Existing - to be demolished

Proposed widening

Existing + to be demolished

36'-0"  30'-0"  15'-0"

115-01A

PRELIMINARY PLANS
THESE PLANS NOT TO BE USED FOR CONSTRUCTION OF BRIDGE