August 26, 2020

Memorandum #2020-100

TO: HRTPO Transportation Technical Advisory Committee

BY: Michael S. Kimbrel, Deputy Executive Director

RE: Transportation Technical Advisory Committee Meeting – September 2, 2020

The next HRTPO Transportation Technical Advisory Committee (TTAC) meeting is scheduled for Wednesday, September 2, 2020, beginning at 9:30 AM. The agenda is attached.

Pursuant to the declared state of emergency in the Commonwealth of Virginia in response to the COVID-19 pandemic and to protect the public health and safety of the Committee members, staff, and the general public, the TTAC meeting will be held electronically via Webex.

Members of the public are invited to address the TTAC by submitting comments in advance of the meeting by email to kmiller@hrtpo.org or phone (757) 366-4370. Each comment is limited to three minutes. All comments received by noon on September 1, 2020 will be provided to the TTAC Members prior to the meeting and included in the official record.

Members of the public may listen to the TTAC meeting via telephone using toll-free dial-in 1-866-345-9178.

/kl

Attachments
### Voting Members:

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<td>Eric Stringfield, VDOT</td>
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<td>Joshua Moore, WATA</td>
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<td>Tripp Little, GL</td>
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<td>Katie Shannon, VB</td>
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<td>Tiffany Dubinsky, DRPT</td>
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<td>Keisha Branch, HRT</td>
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<td>Anthony Gibson, VDOT</td>
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<td>Bryant Porter, VDOT</td>
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<td>Zac Canody, VPA</td>
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<td>Barbara Creel, WATA</td>
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### Nonvoting Members:

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<td>Ivan P. Rucker, FHWA</td>
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<td>Melissa McGill, FTA</td>
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<td>Michael King, NAVY</td>
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Agenda
HRTPO
Transportation Technical Advisory Committee Meeting
September 2, 2020

Pursuant to the declared state of emergency in the Commonwealth of Virginia in response to the COVID-19 pandemic and to protect the public health and safety of the committee members, staff, and the general public, the Transportation Technical Advisory Committee meeting will be held electronically. This electronic meeting is required to complete essential business on behalf of the region.

9:30 am  1. Call to Order

2. Approval of Agenda

3. Public Comments

4. Approval of Consent Items [Action Requested]
   A. Minutes


6. 2045 Long-Range Transportation Plan Update: Transportation Challenges and Strategies Report: Draft – LRTP Staff, HRTPO


8. FY 2018-2021 Transportation Improvement Program (TIP) Snapshot – Kathlene Grauberger, HRTPO


11. Three-Month Tentative Schedule

12. For Your Information

13. Announcements

14. Old/New Business

15. Adjournment
AGENDA ITEM #1: CALL TO ORDER

The meeting will be called to order by the Chair at approximately 9:30 a.m.

AGENDA ITEM #2: APPROVAL OF AGENDA

Members are provided an opportunity to add or delete items from the agenda. Any item for which a member desires action from the TTAC should be submitted at this time, as opposed to under “Old/New Business.”

AGENDA ITEM #3: PUBLIC COMMENTS

Members of the public are invited to address the TTAC. Due to the COVID-19 crisis, interested persons may submit comments to the TTAC in advance of the meeting by email to kmiller@hrtpo.org or phone (757) 366-4370. Each oral comment is limited to three minutes. All comments received by noon on September 1, 2020 will be provided to the TTAC Members and included in the official record.
AGENDA ITEM #4: APPROVAL OF CONSENT ITEMS [Action Requested]

A. Minutes
   Summary minutes of the TTAC meeting held on July 1, 2020 are attached.
   Attachment 4-A
   RECOMMENDED ACTION:
   Approve the minutes.
The HRTPO Transportation Technical Advisory Committee (TTAC) Meeting was called to order at 9:30 a.m. in the Regional Building Boardroom, 723 Woodlake Drive, Chesapeake, Virginia.

Mr. Michael Kimbrel, HRTPO Deputy Executive Director, read the following statement:

*Today's meeting is being held electronically in response to Governor Northam’s Executive Order 53 and Executive Order 61 and to protect the public health and safety of TTAC members, staff, and the general public. The HRTPO will continue to hold electronic meetings until advised that it is safe to convene meetings in person. These remote meetings are required to complete essential business on behalf of the region.*

*Per the requirements of the Code of Virginia, the agenda and all attachments and supporting documentation for today’s meeting was posted on the HRTPO website approximately one week ago, and electronic copies were provided of this information to TTAC members and other interested parties. Notice of the meeting was also posted for public review.*

*A recording of today’s meeting will be posted on the HRTPO website. In addition, the general public was provided an opportunity to provide comments on today’s meeting agenda via two options:*

1. *Members of the public were invited to submit comments to the TTAC via email.*

2. *Members of the public were also invited to call into a dedicated phone line where comments could be recorded for the TTAC*

*No comments were received by noon yesterday.*

*The public and other interested parties have been invited to listen in to today’s meeting by using a phone number that was provided.*

*Attendance will now be recorded by roll call. In addition, each action item will be voted on by roll call vote.*
A roll call vote was conducted and the following represents the attendance of the meeting.

**TTAC Voting Members in Attendance:**
- Robert Lewis (Chair, SU)
- Benjamin Camras (CH)
- Troy Eisenberger (CH)
- Donald Goodwin (FR)
- Carol Rizzio (GL)
- Michael Hayes (HA)
- Jason Mitchell (HA)
- Jamie Oliver (IW)
- Benjamin Sullivan (IW)
- Paul Holt (JC)
- Bridjette Parker (NN)
- Angela Rico (NN)
- Bryan Stilley (NN)
- Robert Brown (NO)
- Deborah Mangiaracina (NO)
- Carl Jackson (PO)
- Garrett Feagans (PQ)
- Dannah O’Connell (PQ)
- Ellen Roberts (Alternate, PQ)
- Beth Lewis (SH)
- Ric Lowman (VB)
- Phil Pullen (VB)
- Carolyn Murphy (WM)
- Tim Cross (YK)
- Grant Sparks (DRPT)
- Sam Sink (HRT)
- Todd Halacy (VDOT)
- Bryant Porter (Alternate, VDOT)
- Eric Stringfield (VDOT)
- Barbara Nelson (VPA)
- Joshua Moore (WATA)

**TTAC Voting Members Absent:**
- Earl Sorey (CH)
- Anne Ducey-Ortiz (GL)
- Lynne Keenan (HA)
- Tammy Rosario (JC)
- Amy Inman (NO)
- James Wright (PO)
- Charles Horton (PQ)
- Michael Johnson (SH)
- Lynette Lowe (SH)
- LJ Hansen (SU)
- Jason Souders (SU)
- Daniel Clayton (WM)
- Aaron Small (WM)
- Earl Anderson (YK)
- Joe Sisler (YK)
- Sonya Hallums-Ponton (VDOT)

**TTAC Non-Voting Members in Attendance:**
- Michael King (NAVY)

**TTAC Non-Voting Members Absent:**
- Ivan Rucker (FHWA)
- Melissa McGill (FTA)

**HRTPO Staff in Attendance:**
- Sam Belfield
- Theresa Brooks
- Rob Case
- Kathlene Grauberger
- Uros Jovanovic
- Bishop Kelleny
- Michael Kimbrel
- Steve Lambert
- John Mihaly
- Keith Nichols
- Leo Pineda
- Jeff Raliski
- Dale Stith

**Others Recorded Attending:**
- Angela Hopkins (NN); Cole Fisher, Robert Matthias (VB); Keisha Branch (HRT); Bruce Duvall, Sharonda Hawkins, Ray Hunt, Samba Secka, Scott Smizik, Chris Voigt (VDOT); Karen McPherson (McPherson Consulting); Tracy Jones (Schoenfield); Logan Grimm, Andrew Margason, Chris Vaigneur (HRPDC Staff)
Approval of Agenda

Chair Robert Lewis asked for additions or deletions with regard to the TTAC Agenda. Mr. Eric Stringfield requested to add the TTAC Addendum for Agenda Items #5-H and #5-I – two TIP Amendment requests – that was transmitted to TTAC Members before the meeting. Chair Lewis also requested to add a TIP Amendment Request from the City of Suffolk as Agenda Item #5-J. Mr. Stringfield Moved to approve the agenda as amended; seconded by Ms. Barbara Nelson. The Motion Carried by Affirmation.

Public Comments

A. Public Comment Period
B. Submitted Public Comments

Public Comment Period

No public comments were received by noon on June 30, 2020.

Submitted Public Comments

There were no public comments in the Agenda packet.

Nominating Subcommittee Appointments

Chair Lewis reported that in accordance with the TTAC Bylaws, at least 60 days prior to the annual organizational meeting in October, the Chair shall appoint a Nominating Subcommittee composed of seven voting TTAC members, each representing a different locality or agency. The mission of the Nominating Subcommittee shall be to submit the names of one or more persons who are willing to serve each office to be filled.

The current members of the TTAC Nominating Subcommittee are:

| Robert Lewis – Chair | Suffolk |
| Vacant                | Agency  |
| Jamie Oliver          | Isle of Wight County |
| Bridjette Parker      | Newport News |
| Robert Brown          | Norfolk  |
| Phil Pullen           | Virginia Beach |
| Tim Cross             | York County |

Chair Lewis appointed Ms. Sam Sink of Hampton Roads Transit (HRT) to fill the vacancy and noted that the Nominating Subcommittee will report to TTAC at its October 7th meeting.
Approval of Consent Items

A. Minutes
B. FY 2018-2021 TIP Amendment Request: UPC T23596 – VDOT
C. FY 2018-2021 TIP Amendment Request to Transfer CMAQ Funding: UPC 116318 – Hampton
D. FY 2018-2021 TIP Amendment Request to Transfer CMAQ Funding: UPC 109572 and UPC 105592 - Norfolk
E. FY 2018-2021 TIP Amendment Request to Transfer TAP Funding: UPC 109055 and UPC 109053 – Virginia Beach
F. Economic Impact of Bicycle Facilities in Hampton Roads – Phase Two: Visitor Spending in Hampton Roads Due to Virginia Capital Trail: Final
G. 2045 Long-Range Transportation Plan (LRTP): Regional Needs Report: Final and 2045 Long-Range Transportation Plan (LRTP): Title VI Environmental Justice Candidate Project Evaluation Report: Final
H. FY 2018-2021 TIP Amendment Request to Transfer RSTP Funding: UPC 13427 and UPC 97715 – VDOT
I. FY 2018-2021 TIP Amendment Request to Transfer RSTP Funding: UPC 97715 – VDOT
J. FY 2018-2021 TIP Amendment Request to Transfer CMAQ Funding: UPC 102991 – Suffolk

Mr. Phil Pullen noted that the Construction (CN) dates were listed incorrectly for UPC 109055 and UPC 109053 in Agenda Item #5-E and provided the correct dates. Ms. Carolyn Murphy Moved to approve the Consent Agenda as amended; seconded by Mr. Bryan Stilley.

A roll call vote was conducted:

Benjamin Camras (CH)  Yes
Troy Eisenberger (CH)  Yes
Donald Goodwin (FR)  Yes
Carol Rizzio (GL)  Yes
Michael Hayes (HA)  Yes
Jason Mitchell (HA)  Yes
Paul Holt (JC)  Yes
Jamie Oliver (IW)  Yes
Bridjette Parker (NN)  Yes
Angela Rico (NN)  Yes
Bryan Stilley (NN)  Yes
Robert Brown (NO)  Yes
Debbie Mangiaracina (NO)  Yes
Dannan O’Connell (PQ)  Yes
Garrett Feagans (PQ)  Yes
Ellen Roberts (PQ)  Yes
Carl Jackson (PO)  Yes
Beth Lewis (SH)  Yes
LJ Hansen (SU)  Yes
Robert Lewis (SU)  Yes
Regarding the Motion on the floor, The Motion Carried.

Regional Performance Measures – System Performance Report 2020 Update: Final

Mr. Keith Nichols, HRTPO Principal Transportation Engineer, reported that as part of the Moving Ahead for Progress in the 21st Century (MAP-21) surface transportation legislation and the current Fixing America’s Surface Transportation (FAST) Act legislation, States and Metropolitan Planning Organizations (MPOs) are required to prepare and use a set of federally-established performance measures that are tied to national performance goals. He indicated that each MPO must set regional targets in the areas of roadway safety, transit asset management, pavement condition, bridge condition, roadway performance, and freight.

Mr. Nichols stated that the Regional Performance Measures – System Performance Report includes:

- A description of the methodology used to calculate each measure
- Historical data trends for each of the areas
- Information on statewide targets
- A description of the targets that have been established by the HRTPO
- Progress being made towards meeting the established targets.

He noted that the initial System Performance Report was approved by the TTAC and the HRTPO Board in early 2019. The 2020 Update includes new information on updated targets as well as progress made towards meeting the established targets.

Mr. Nichols stated that the draft Regional Performance Measures – System Performance Report 2020 Update was available for public review and comment from June 8, 2020, through June 22, 2020, and all comments received were incorporated into the final report.
Mr. Troy Eisenberger Moved to recommend HRTPO Board approval of the final report; seconded by Ms. Carolyn Murphy.

A roll call vote was conducted:

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Regarding the Motion on the floor, The Motion Carried.

**Impacts of COVID 19 on Roadway Travel in Hampton Roads**

Mr. Keith Nichols, HRTPO Principal Transportation Engineer, reported that traffic volumes decreased significantly in Hampton Roads as COVID-19 spread across Virginia. Governor Northam enacted a stay-at-home order, and all non-essential businesses across the Commonwealth were closed.
Mr. Nichols stated that because of the significant impact of the COVID-19 pandemic on roadway travel, HRTPO staff has been monitoring regional travel levels using:

- Streetlight Vehicle-Miles of Travel (VMT) estimates
- Tunnel traffic volume data

He noted that the State has slowly reopened and roadway travel levels have increased, more than doubling from the lows seen in early April. He then provided examples of the analysis from the HRPDC’s Hampton Roads COVID-19 Impact Planning Hub website (https://hrcovid19-hrpdc-gis.hub.arcgis.com).

The 2020 State of Transportation Report, due to be published in the Fall of 2020, will include analysis on how COVID-19 has impacted all facets of the Hampton Roads Transportation System. Chair Lewis requested localities share data with Mr. Nichols in order to be included in the analysis. Mr. Nichols stated that he had received data from VDOT.

**Bowers Hill Interchange Study Working Group: Update**

Chair Robert Lewis reported that the Bowers Hill Interchange Study Working Group met via WebEx on June 11, 2020 and commented that at the meeting, VDOT staff reviewed updated projections for funding of the construction of the project. These updated projections account for the effects of the COVID-19 pandemic on revenue generation for the Hampton Roads Transportation Fund (HRTF), which is managed by the Hampton Roads Transportation Accountability Commission (HRTAC).

He noted that funding for construction of the project would more than likely occur in FY 2030 and because of the potential risks related to the delay in funding availability, VDOT briefed the Working Group on several options. After discussion, the Working Group agreed on the following option:

- Continue National Environmental Policy Act (NEPA) and Interchange Modification Report (IMR)/Concepts work
  - Study Cost: $4.5 million
  - Potential Risks
    - NEPA re-evaluation may be necessary
    - IMR valid for 8 years
    - Obsolete traffic data
    - Design standard changes

Chair Lewis stated the Working Group will continue to meet and the project is moving forward.

**Three-Month Tentative Schedule**

Chair Lewis outlined the Three-Month Tentative Schedule in the Agenda Packet and stated that the August TTAC meeting is typically cancelled, and members will be notified by email.
For Your Information

Chair Lewis highlighted the items in the For Your Information section in the agenda packet.

Announcements

Chair Lewis stated that the Long-Range-Transportation Plan (LRTP) Subcommittee will convene approximately 10 minutes following the conclusion of the TTAC meeting. Members are to stay on the current WebEx connection.

Mr. Eric Stringfield reminded the members that the SMART SCALE portal should now be open and noted the application deadline of August 3, 2020.

Old/New Business

Chair Lewis informed the TTAC members that Mr. Michael Kimbrel, HRTPO Deputy Executive Director, plans to retire in August and today’s meeting will be his last. He expressed TTAC’s appreciation to Mr. Kimbrel for his 31 years of hard work and dedication to the Hampton Roads Region.

Adjournment

With no further business to come before the Hampton Roads Transportation Technical Advisory Committee, the meeting adjourned at 10:28 a.m.
AGENDA ITEM #5: PUBLIC TRANSPORTATION WORKING GROUP (PTWG)  
[Action Requested]  
Michael Kimbrel, HRTPO  

During its 2020 Session, the Virginia General Assembly passed Senate Bill 1038 (identical to House Bill 1726) which, upon approval by the Governor, created the Hampton Roads Regional Transit Program to develop, maintain, and improve a core regional network of transit routes and related infrastructure, rolling stock, and support facilities that have the greatest positive impacts on economic development potential, employment opportunities, mobility, environmental sustainability, and quality of life. The Program forms the basis for the regional transit planning process coordinated by the federally designated Metropolitan Planning Organization and shall be funded by the following taxes imposed in the six localities served by Hampton Roads Transit (HRT):

- An additional grantor’s tax of $0.06 per $100 of value real estate conveyed
- A regional transient occupancy tax of 1% of the charge for the occupancy

The legislation also dedicated $20 million from existing statewide recordation taxes to fund the Program and created the Hampton Roads Regional Transit Fund (HRRTF), into which moneys generated from these sources will be deposited. The HRRTF will be managed by the Hampton Roads Transportation Accountability Commission (HRTAC). The moneys in the HRRTF shall be used solely for the core and connected regional network of transit routes and related infrastructure, rolling stock, and support facilities, to include the operation of a regional system of inter-jurisdictional, high-frequency bus service, in the six localities served by HRT; and for specified administrative and operating expenses of HRT.

Planning, coordination, development, financing, and delivery of projects related to the Hampton Roads Regional Transit Program and Fund will be carried out via a cooperative effort involving the HRTPO, HRTAC, and HRT. To assist with the HRTPO portion of this effort, HRTPO staff recommends establishing a Public Transit Working Group (PTWG) comprised of one voting TTAC member from each of the six localities served by HRT (Chesapeake, Hampton, Newport News, Norfolk, Portsmouth, and Virginia Beach). In addition to the six voting members, the Working Group may benefit from the inclusion of additional stakeholders. HRTPO staff will administer the Working Group.

Mr. Michael Kimbrel, HRTPO Deputy Executive Director, will brief the TTAC on this item.

RECOMMENDED ACTION:

Establish the Public Transit Working Group.
AGENDA ITEM #6: 2045 LONG-RANGE TRANSPORTATION PLAN UPDATE: TRANSPORTATION CHALLENGES AND STRATEGIES REPORT: DRAFT

LRTP Staff, HRTPO

The 2045 Hampton Roads Long-Range Transportation Plan (LRTP), on schedule for HRTPO Board adoption next year, is being produced as a compendium of reports. To date, reports have been released on the 2045 Socioeconomic Forecast and TAZ Allocation, Regional Needs, and the Title VI/Environmental Justice Candidate Projects Evaluation. Additional reports will be produced related to Project Prioritization, the Funding Plan (including a fiscally-constrained list of LRTP projects), Plan Performance, a Project Information Guide, documentation of Public Involvement efforts, and Rural Transportation.

This report details current and anticipated challenges associated with transportation in Hampton Roads. Chapters in the report focus on challenges related to mobility and accessibility, system preservation, the environment, and financial issues. A number of strategies are highlighted that will help address these challenges.

The 2045 LRTP Transportation Challenges and Strategies Report: Draft will be made available for public review and comment after the TTAC meeting on September 2, 2020.

HRTPO Staff will brief the TTAC on this item.

RECOMMENDED ACTION:
Review draft report and submit comments to Leonardo Pineda (lpineda@hrtpo.org) by COB Friday, September 18, 2020.
AGENDA ITEM #7:  CONGESTION MANAGEMENT PROCESS PART II – SYSTEM PERFORMANCE: DRAFT

Keith Nichols, HRTPO

The Hampton Roads Congestion Management Process (CMP) is an on-going systematic process for managing congestion that provides information and analysis on multimodal transportation system performance and on strategies to alleviate congestion and enhance the mobility of persons and goods regionwide. During this process, HRTPO staff works with state and local agencies to develop these strategies and mobility options. All Transportation Management Areas (TMAs), which are urban areas over 200,000 in population, are required by Federal regulations to prepare a CMP. The first Congestion Management Process for Hampton Roads was prepared in 1995, and updates were released in 1997, 2001, 2005, 2010, and 2014.

HRTPO staff is in the process of updating the CMP report. Similar to the 2014 report, the 2020 CMP report will include a thorough assessment of the roadway system in Hampton Roads, a regional roadway network congestion analysis, a ranking of the most congested corridors, and a list of congestion mitigation strategies and recommended improvements for the congested corridors. The 2020 CMP will also provide data and a list of candidate projects for consideration in the 2045 LRTP Project Prioritization Process.

The 2020 Hampton Roads CMP Report is being released in three parts:

- **Part I** – Introduction and System Monitoring (February 2020)
- **Part II** – System Performance (Today)
- **Part III** – Congestion Mitigation (Winter 2020/2021)

The System Performance section of the CMP report provides a thorough assessment of the current operating conditions of the Hampton Roads roadway system, particularly during peak periods of travel. The performance of roadway segments throughout the region is analyzed using travel time and speed data collected by INRIX and through a planning-level analysis for roadways without this data. INRIX collects travel times and speeds continuously, which enables numerous congestion measures to be reported, such as average travel speeds, congestion duration, total delay, and travel time reliability.


**Mr. Keith Nichols, HRTPO Principal Transportation Engineer, will brief the TTAC on this item.**

**Enclosure 7:** *Hampton Roads Congestion Management Process: Part II – System Performance Report: Draft*

**RECOMMENDED ACTION:**

Review the draft report and submit comments to Keith Nichols ([knichols@hrtpo.org](mailto:knichols@hrtpo.org)) by COB Friday, September 25, 2020.
AGENDA ITEM #8: FY 2018-2021 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) SNAPSHOT
Kathlene Grauberger, HRTPO

HRTPO staff has updated phase cost estimates, expenditures, and schedule information on projects in the FY 2018-2021 Transportation Improvement Program (TIP) and has produced a snapshot of this data. In addition, staff identifies CMAQ and RSTP projects for which the data indicates progress has stalled. A snapshot of the TIP will be provided to TTAC on a quarterly basis.

Ms. Kathlene Grauberger, HRTPO Transportation Planner, will brief the TTAC on this item.

RECOMMENDED ACTION:
HRTPO staff coordinates with VDOT staff and TTAC members whose projects appear to have stalled to determine necessary steps for moving the projects forward or returning the funds to be used on other projects.
AGENDA ITEM #9: STREETLIGHT MOBILITY ANALYTICS PLATFORM: UPDATE

Robert Case, HRTPO

StreetLight Data is a mobility data analytics company. VDOT contracts with StreetLight for access to transportation data and its mobility analytics software platform, called StreetLight InSight, and provides access to those resources to VDOT consultants and MPOs. Today’s briefing will present the following:

- VDOT’s current StreetLight contract
- StreetLight basics
- StreetLight features, both legacy and new
- HRTPO usage of StreetLight, both to-date and planned for FY21 UPWP
- The next VDOT/StreetLight contract

Dr. Robert Case, HRTPO Chief Transportation Engineer, will brief the TTAC on this item.

RECOMMENDED ACTION:

For discussion and informational purposes.
AGENDA ITEM #10: PRIORITIZATION OF VTRANS LONG-TERM NEEDS: UPDATE

Chris Wichman, OIPI

Earlier this year, the Commonwealth Transportation Board (CTB) accepted the 2019 VTrans Mid-Term Needs and directed the Office of Intermodal Planning and Investment (OIPI) to prioritize the identified Needs. Based on direction from the CTB, the prioritized 2019 Mid-Term Needs may form the basis for VDOT's and DRPT's planning and project development efforts as well as policies related to transportation programs and activities. OIPI will be hosting a series of virtual workshops and online engagements to share the initial prioritization of the 2019 VTrans Mid-Term Needs. Some goals of the workshops and online engagements are to actively collaborate with local and regional transportation partners to improve our methodology, similar to that done during the 2019 VTrans Regional Workshops and to:

1. Utilize local and regional knowledge to ensure that methods are accurate and appropriately capture the most pressing transportation needs in each Construction District and the Commonwealth.
2. Gather feedback from local and regional stakeholders on thresholds for prioritization of the identified VTrans Mid-Term Needs.
3. Convey the trade-offs that the Commonwealth must consider while investing resources in identifying solutions for VTrans Mid-Term Needs.

Mr. Chris Wichman, OIPI Senior Transportation Planner, will brief the TTAC on this item.

RECOMMENDED ACTION:

For discussion and informational purposes.
AGENDA ITEM #11:  THREE-MONTH TENTATIVE SCHEDULE

October 2020  
Wednesday, October 7, 2020

- Election of Officers
- FY 2021 Unified Planning Work Program: Final
- 2045 LRTP Update – Transportation Challenges and Strategies Report: Final
- Congestion Management Process Part II – System Performance: Final
- Impact of Trails and Sidewalks on Home Values: Draft
- Prioritization of VTrans Long-Term Needs: Update
- VDOT Financial Health of the Transportation System – CMAQ/RSTP: Update

November 2020  
Wednesday, November 4, 2020

- 2020 CMAQ/RSTP Project Selection Process: Projects and Allocations
- State of Transportation in Hampton Roads Report: Draft
- 2045 LRTP Update: Candidate Project Evaluation and Prioritization: Draft
- 2045 LRTP Update: LRTP Revenue Forecast
- FY 2021-2024 TIP Rollover Amendments

December 2020  
Wednesday, December 2, 2020

- This meeting is typically canceled
AGENDA ITEM #12: FOR YOUR INFORMATION

A. HAMPTON ROADS TRANSPORTATION OPERATIONS SUBCOMMITTEE MINUTES

The minutes from the March 9, 2020 meeting of the Hampton Roads Transportation Operations (HRTO) Subcommittee are attached.

Attachment 12-A

B. LONG-RANGE TRANSPORTATION PLAN SUBCOMMITTEE MINUTES

The minutes from the June 3, 2020 meeting of the Long-Range Transportation Plan (LRTP) Subcommittee are attached.

Attachment 12-B

C. HRTAC PROGRAM DEVELOPMENT MONTHLY EXECUTIVE REPORT

VDOT provides monthly reports to the Hampton Roads Transportation Accountability Commission (HRTAC) staff on the status of the Regional Priority Projects. The report for July 2020 is attached.

Attachment 12-C
The meeting was chaired by Robert Lewis (Suffolk). The meeting started at 9:35 am.

1. **Public Comment Period**
   - Nobody from the public requested to speak.

2. **Minutes** of the January 16th meeting were reviewed. Motion for approval was made by Ken Coody and seconded by Mike Shahsiah. The minutes were approved.

   - Mike Miller (VDOT) introduced the topic by noting that the test bed will be set up in the near future, and the corridor will be tested in the next 30 days.
   - Mike M. added that an issue is how do we make KITS software work with 10 VDOT and 9 Suffolk signals in the Route 17 corridor? VDOT controllers run on D4 firmware while Suffolk controllers run on Omni firmware. The consultant thinks that KITS will talk to both firmware sets and that Suffolk and VDOT won’t need to change any controllers.
   - Robert Lewis (Suffolk) mentioned that they are testing a controller in their shop. It is essentially a real world test with the firewall. So far it looks promising.
   - Mike M. stated that they’ve run into some challenges on their end with VITA. VDOT will be going to do a cloud solution, but that means it probably can’t be ready until June 1 rather than April. He feels good about where we’re at with this, this will be a good example.
   - Chris Mills (WSP) added that it’s good that this will be an open source platform with interoperability that can be modularly replaced.
   - Robert noted that they met last week with the District Engineer, and he mentioned that this could be a statewide model. Mike M. added that the Commissioner is also a champion for this type of collaboration. This could lead to more open architecture.
   - Robert wrapped up the topic by noting that they will demo the project for the group in the not so distant future.

4. **Strategies to Help Mitigate Traffic Congestion During Interstate Construction**
   - Mike Corwin (VDOT) started the topic by making a presentation. Highlights of the presentation include:
     - Intent – What do we want to accomplish?
       1. Unprecedented construction over the last 5 years
       2. Continue to have several large ongoing projects
       3. Anticipate additional large program in future
       4. Learn from these experiences to better mitigate impacts in the future
Past Experiences

1. I-264/I-64, Norfolk to Virginia Beach - Pavement Failure, Expand Allowable Lane Closure Hours
2. I-64, Segment 1 Jefferson Avenue to Lee Hall - Crashes increased, Public info campaign to use Route 460, unintended consequences where Route 460 crashes increased
3. Carmageddon - July 2, 2009

Concept – What & when are we going to focus on?

1. Major Projects Impacting the Region - I-64 Peninsula Widening-Segment III, I-64/I-264 & Witchduck, I-64 Southside Widening and High Rise Bridge, HRBT Expansion activities, Express Lanes

Objectives – What steps are we going to take?

1. Overall:
   a. How do we measure success?
   b. What are our milestones?
   c. Predictive analysis – Where do we get hit hardest?
   d. Public Education & Awareness
   e. Maximize safety of workers and the traveling public

Resources – Who do we have to work with?

1. Participants – VDOT, Localities, VSP, HRTPO, FHWA, VTRC, Consultants, Military, Transit

Integration – How do we pull it all together?

1. What are short, medium and long term happenings?
2. Impact on military and emergency response
3. Review and deal with entire Regional Network
4. Political sensitivity
5. Who are we trying to reach and influence?
6. How do expenses get covered?
7. Will changes be permanent or temporary?

Branches and Sequels – What do we do next and when do we do it?

1. Advanced traffic operations and control strategies such as ramp metering, Integrated Corridor Management (signal adjustments), reversible lanes, lane closure restrictions, and truck restrictions
2. Extensive public outreach to the public - at-large and to targeted groups
3. Work through HRTO
   a. Establish better communications between TOC and Localities
   b. Establish MOU’s on incidents, signal and camera control.
   c. Establish afterhours response capabilities for localities that do not have 24/7 Operations Centers.

What’s Next...
- Mike C. noted during the presentation that the group will probably meet about once a month. He also noted that VTRC is doing research on what other areas have done.
- Robert mentioned that we can expect even more construction with the additional funds recently approved by the General Assembly.
- The branches Slide led to a discussion on ramp metering. VDOT has a ramp metering study underway for the HRBT and southbound MMMBT. The study should be done in about 90 days. The reason for the study is the concern that travelers are using GPS/Waze to get around tunnel backups and backing up city streets.
- During the Work through HRTO slide, Mike C. noted that the District Engineer is a champion of better communication with localities. The VDOT Commissioner sees value in this too.
- Mike C. wrapped up the presentation by asking how do we proceed?
- Chris Mills stated that ATMS systems are going to be required, especially at the HRBT, because of the need to adapt to traffic conditions in real time. He also discussed dynamic merge control, as compared to ramp metering. He mentioned that dynamic merge control makes for easier merging because it controls main line traffic, and it’s good with short acceleration lanes.
  - Mike M. asked Chris if there is any research out there, and Robert asked if anybody has used this. Chris responded that yes it has been used, and FHWA has examples from around the country.
  - Mike M. added that out of the box thinking is exactly what we’re looking for.
  - Mike C. asked if dynamic merge control would have the same impact of moving vehicles off of the local roadways.
  - Robert asked Mike C. about the timetable. Mike C. responded they are looking to meet one a month, and looking to meet again in early April.
- Karen McPherson (McPherson Consulting) noted that many locality staff members leave at 4 pm, which is in the middle of rush hour. She added that to start the dialog it might help to have cities choose one location in their locality to emphasize. Each city is unique so baby steps might work better. Olga Beltsar (Norfolk) agreed with Karen that it will work better to try one intersection/location at a time. This will be more likely to be successful, especially for Norfolk.
- Robert mentioned that the reality is that we can’t man our systems 24/7, we will need to work with VDOT for those 5 am crashes. He added that it will mean localities will have to give up some control, it’s regional in nature.
- Mike Shahsiah (Virginia Beach) mentioned that he talked with city controller guys, and while the city won’t give up total control of signals, if it is a joint effort for hand off of control during off hours they think it can work once the IT issues are worked out. Robert added that their city is the same way, and it will only be predetermined responses that VDOT can implement in the off hours. There are a lot of MOUs that need to be worked out.
• Ken Coody (VDOT) agreed with what everybody has said so far and that VDOT also doesn’t want the TOC implementing a plan on a city street that isn’t already approved. He added that OpenTMS Release 3 is coming out in the next 4-5 months, and it will be the first time all VDOT systems will be interoperable, including with the tunnels. This will help with handing off control between the TOC and tunnels as necessary.
• Mike S. added that the current 15-20 minute lag from when a crash occurs on I-264 until the city can respond is the main issue.
• Robert wrapped up by saying that the HRTO Subcommittee will be a great start for this, and that we need to include responders and other groups. We may hold the HRTO meeting, adjourn and then have the meeting immediately afterward with the group.

5. **HRTPO Update**

• Sam Belfield (HRTPO) provided an update to the committee on a number of items. Highlights of his presentation include:
  o The next RCTO-TIM Meeting is scheduled for September 15, 2020 at 9:30am at HRTPO.
  o Strategic Highway Research Program (SHRP 2) TIM training – Thursday, March 12 from 8am – 12pm at the VDOT TOC in Virginia Beach.
  o Upcoming TIM/Safety Events in 2020
    1. Life Savers Conference – March 15-17, 2020 in Tampa
    2. Highway First Responders Expo – Sat April 18, 2020 10am-2pm at VDOT District, 7511 Burbage Dr, Suffolk
    5. Distracted Driving Summit – November 12-13, 2020 in Virginia Beach
    6. H.O.T. Tow Training - In Planning

6. **For Your Information**

• Robert mentioned that attendance was scarce at this meeting. He added that having two staff members from each locality may help. We’re going to reach out to localities to help ensure better attendance at future meetings.
• Mike Shahsiah mentioned that the Mid-Atlantic American Public Works Association (APWA) Conference will be coming up in Virginia Beach at the Convention Center. The conference will be held on May 5th – May 8th.
• Robert mentioned that VASITE will be held in early June this year (June 10-12) at the new Marriott in Virginia Beach.

7. **Meeting Schedule**

• The next HRTO meeting is scheduled for April 13, 2020 at HRTPO.

The meeting adjourned at 10:30 am.
Summary Minutes
HRTPO Long-Range Transportation Plan Subcommittee
Meeting of June 3, 2020

1. Call to Order
Pursuant to Governor Northam’s Executive Order 53 issued on March 23, 2020 and Executive Order 61 issued on May 8, 2020 prohibiting all public and private in-person gatherings of ten or more individuals, the LRTP Subcommittee meeting was held electronically. Chair Robert Lewis called the meeting to order at 11:01 a.m., with the following in attendance:

Members in Attendance:
- Troy Eisenberger (CH)
- Carol Rizzio (GL)
- Paul Holt (JCC)
- Angela Hopkins (NN)
- Bryan Stilley (Vice Chair, NN)
- Deborah Mangiaracina (NO)
- Carl Jackson (PO)
- Robert Lewis (Chair, SU)
- Jason Souders (SU)
- Katie Shannon (VB)
- Tara Reel (VB)
- Eric Stringfield (VDOT)
- Todd Halacy (VDOT)
- Christopher Voigt (VDOT)
- Barbara Nelson (VPA)
- Carolyn Murphy (WB)
- Timothy Cross (YK)

HRTPO/HRPDC Staff:
- Dale Stith
- Theresa Brooks
- Steve Lambert
- Leo Pineda
- Keith Nichols
- Sam Belfield
- Kathlene Grauberger
- Logan Grimm
- Bishop Kelleny

Others Recorded Attending:
- Sandon Rogers (HM)
- Keisha Branch (HRT)
- Tammy Rosario (JC)
- Angela Rico (NN)
- Robert Brown (NO)
- Angela Biney (VDOT)
- Ray Hunt (VDOT)

2. Public Comment Period
Per the public comment submission guidelines due to the COVID-19 crisis, interested persons could submit comments to the LRTP Subcommittee in advance of the electronic meeting by Noon June 2, 2020. There were no public comments submitted in advance of the meeting.
3. Submitted Public Comments
Submitted public comments from Southern Environmental Law Center regarding the recommended enhancements to the HRTPO Project Prioritization Tool were received and are being addressed as part of Agenda Item #7.

4. Approval of Agenda
Chair Lewis asked LRTP members for any objections to the agenda as written. There being no objections, the agenda was approved by Affirmation.

5. Approval of March 4, 2020 Minutes
Chair Lewis reported that the LRTP Summary Minutes from the March 4, 2020 meeting were included in the June 3, 2020 LRTP Subcommittee Agenda. Chair Lewis asked for any additions or corrections to the Minutes. Hearing none, Ms. Carolyn Murphy Moved to approve the Minutes as written; seconded by Mr. Timothy Cross. The Motion Carried.

6. 2045 LRTP Status Update
Ms. Dale Stith provided a 2045 LRTP status update to the LRTP Subcommittee members. Since the March 4, 2020 LRTP Subcommittee meeting, HRTPO staff has completed the LRTP Environmental Mitigation Consultation. Feedback was received by the National Park Service (NPS). NPS reviewed the materials but did not have any comments. HRTPO staff added an NPS point of contact to the LRTP Subcommittee to stay engaged in the LRTP development process. Additionally, HRTPO staff has worked closely with stakeholders and VDOT to develop planning level cost estimates, developed the draft Hampton Roads 2045 Long-Range Transportation Plan: Regional Needs report and the draft Hampton Roads 2045 Long-Range Transportation Plan: Title VI/Environmental Justice Candidate Project Evaluation report (both draft reports are under public review), initiated analysis of candidate projects, and is working to finalize the travel demand model Connected and Autonomous Vehicle (CAV) assumptions.

Ms. Stith informed the LRTP Subcommittee members of upcoming items for the 2045 LRTP:

- HRTPO Board approval of the recommended prioritization enhancements
- Upcoming LRTP Subcommittee meetings to discuss the project selection/fiscal constraint guidelines and the 2045 revenue forecast
- Upcoming LRTP reports
  - Transportation Challenges and Strategies
  - Candidate Project Evaluation and Prioritization

There were no comments from the LRTP Subcommittee on this agenda item. No action required from the LRTP Subcommittee.
7. HRTPO Project Prioritization Recommended Enhancements: Public Comments Received
Ms. Stith briefly the LRTP Subcommittee on this agenda item, detailing the public comments that were received regarding the recommended enhancements to the Project Prioritization Tool. During the February 6 – March 6, 2020 public review period for the recommended enhancements, HRTPO staff received comments from the Southern Environmental Law Center (SELC). In preparation for June 3, 2020 LRTP Subcommittee meeting, HRTPO staff requested member of the Prioritization Task Force (PTF) to review the SELC comments and initial staff responses and provide feedback via email. HRTPO staff received comments from the City of Chesapeake. Ms. Stith summarized both SELC general and specific comments.

Following a group discussion on the comments and responses, Mr. Troy Eisenberger Moved to approve HRTPO staff’s report on the SELC comments and to take no action on making additional changes outside of HRTPO staff’s recommendations as presented; seconded by Ms. Tara Reel. The Motion Carried.

8. 2045 LRTP Candidate Projects: Data Collection
Ms. Brooks briefed the LRTP Subcommittee on this agenda item, providing a status update to the project evaluation process. Since the March 4, 2020 LRTP Subcommittee meeting, HRTPO staff has received cost estimates from most stakeholders. Ms. Brooks reminded the LRTP Subcommittee that projects cannot be properly evaluated without cost data. As part of the project evaluation process, HRTPO staff is working closely with VDOT to identify and confirm the list of committed projects for the 2045 LRTP. In addition to the Environmental Mitigation Consultation, Title VI/Environmental Justice analysis, and spatial overlay analysis of the 2045 LRTP Candidate Projects, HRTPO staff is also populating other needed data in the Project Prioritization Tool. In addition to these inputs, other essential project data from stakeholders is needed. Ms. Brooks informed the LRTP Subcommittee that HRTPO staff will send a project data collection spreadsheet electronically for stakeholders to populate. The recommended action for this agenda item is for the LRTP Subcommittee to review and provide data to Ms. Brooks (tbrooks@hrtpo.org) by COB June 26, 2020.

9. For Your Information
None.

10. Old/New Business
No old or new business.

11. Next Meeting
The next LRTP Subcommittee meeting is tentatively scheduled for July 1, 2020 following the TTAC meeting.

ADJOURNMENT 12:05 P.M.
I-64 Peninsula Widening- Segment II

Project Scope:
From 1.05 miles west of Hummelsine Parkway/Marquis Center Pkwy/Rte 199 (Exit 242) to where the Segment I project ends at 0.54 miles east of Yorktown Road/Rte 238 (Exit 247) (7.1 miles)
  o Additional 12’ wide travel lanes and 12’ wide shoulders within the existing median space
  o Repair and widening of 9 bridges and 6 major culverts
  o Reconstruction of existing roadway

Project Financial Summary:

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Project Schedule:
Notice To Proceed: February 2016
Project Completion: May 2019
Schedule Status: Completed

Project Status:
  o In final contract close out

Enabling Funding
HRTAC $ 175,832,897
State/Federal $ 175,832,897

Project Site (Looking West from the Yorktown Road overpass)
I-64 Peninsula Widening- Segment III

Project Scope:
From approximately 1.26 miles West of Rte 199/Lightfoot (Exit 234) to where the Segment II project ends at 1.05 miles west of Hummelsine Parkway/Marquis Center Pkwy /Rte 199 (Exit 242) (8.36 miles)
- Additional 12’ wide travel lanes and 12’ wide shoulders within the existing median space
- Replacement of the two Queen’s Creek bridges, repair and widening of 4 bridges, 3 major culverts
- Reconstruction of existing mainline roadway

Project Financial Summary:

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Project Schedule:
- Notice To Proceed: January 2018
- Project Completion: December 2021*
- Schedule Status: On-Schedule

*The Project Fixed Completion Date was extended from September to December 2021 to accommodate the additional required sound wall installation.

Project Status:
- Eastbound and Westbound traffic continues to be switched from the outside lanes to inside lanes.
- Bridge widening construction underway at the Lakeshead Drive & Colonial Pkwy bridges
- Traffic switch onto newly constructed Westbound Queens Creek Bridge completed in mid-April
- Demolition of the existing Eastbound Queens Creek Bridge is underway

Concrete placement for the cast in place arch section of the EB I-64 bridge over the Colonial Parkway
I-64/I-264- Phase I

**Project Scope:**
From the I-64 Twin Bridges to the I-264/Newtown Road Interchange
- Widening westbound I-64 by adding a second exit lane from Twin Bridges to the I-64/I-264 interchange
- Introducing a new two lane Collector-Distributor (C-D) roadway from I-64 to the Newtown Road interchange
- Constructing a new two-lane flyover ramp from westbound I-64 tying into the existing eastbound I-264 C-D road

**Project Financial Summary:**

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**Project Schedule:**
- Notice To Proceed: October 2016
- Project Completion: October 2019
- Schedule Status: Completed

**Project Status:**
- In final contract close out

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CD Road Bridge, 264 Flyover and Tidal Channel (low tide)
I-64/I-264- Phase II

Project Scope:
From the I-264/Newtown Road Interchange to the I-264/Witchduck Road Interchange
- Extends the new C-D roadway from the Newtown Road interchange to the Witchduck Road interchange
- Reconfigure the Newtown Road and Witchduck Road interchange ramps south of I-264
- Constructing a new overpass that connects Greenwich Road south side of I-264 and Cleveland north of I-264

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<td>Schedule Status</td>
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Project Status:
- Constructed Tiebacks and Backfilled Greenwich Road Approach to I-264 Flyover
- Constructed Retaining Wall for I-264 EB Ramp to Witchduck Road
- Continued setting steel for Greenwich Road I-264 Flyover (Cleveland Street to Greenwich Road)

Enabling Funding

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<th>HRTAC</th>
<th>State/Federal</th>
</tr>
</thead>
<tbody>
<tr>
<td>$127,749,638</td>
<td>$66,754,249</td>
</tr>
<tr>
<td>$194,503,887</td>
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</tr>
</tbody>
</table>
I-64 Southside Widening and High Rise Bridge - Phase I

Project Scope:
From approximately the I-64/264/664 Interchange at Bowers Hill and extending to the I-64/464 Interchange in Chesapeake
- Widening from 4 to 6 lanes
- Constructing a new High Rise Bridge parallel to and to the South of the existing High Rise Bridge

Project Financial Summary:

<table>
<thead>
<tr>
<th>Project Budget ($524,613,765)</th>
<th>Funds Expended (as of 06/30/2020)</th>
<th>Projected Cost Over/(Under)</th>
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</thead>
<tbody>
<tr>
<td>PE $12,200,000</td>
<td>$12,189,098</td>
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<tr>
<td>RW $18,726,000</td>
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<td>CN $493,687,765</td>
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Project Schedule:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Award</td>
<td>October 2017</td>
</tr>
<tr>
<td>Notice to Proceed</td>
<td>November 2017</td>
</tr>
<tr>
<td>Project Completion</td>
<td>July 2021</td>
</tr>
<tr>
<td>Schedule Status</td>
<td>Behind Schedule</td>
</tr>
</tbody>
</table>

Project Status:
- VDOT continues to respond to RFIs, NDCs, NCRs and submittals as needed
- All original ROW parcels have been acquired and/or cleared for construction. Five partial takes have been added
- HRB substructure construction (piles, footings, columns, caps) continues. Superstructure beams started in May
- Fender system construction continues and is about 95% complete
- Great Bridge Blvd Bridge substructures and approach fills/MSE walls completed. Beams to be erected this month
- Construction of substructures on I-64 Bridge Widening over Military Highway, Yadkin Road, and Shell Road continues
- Clearing and grubbing, earthwork, drainage, roadway widening continues on all five roadway segments
- Construction of pavement on West 1 roadway segment and special wall on West 3 roadway segment continues
I-64/I-264- Phase III

Project Scope:
Study/design to improve the remaining I-64/I-264 movements
- Includes I-64 Eastbound (EB) movements to I-264
- Includes I-264 movements to I-64

Project Financial Summary:

<table>
<thead>
<tr>
<th>Project Budget ($10,000,000):</th>
<th>Funds Expended (as 06/30/2020):</th>
<th>Projected Cost Over/(Under):</th>
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</thead>
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<tr>
<td>RW $ 0</td>
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<td>CN $ 0</td>
<td>$ 0</td>
<td>$ 0</td>
</tr>
<tr>
<td></td>
<td>$ 2,159,191</td>
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</tr>
</tbody>
</table>

Project Schedule:
- IMR Submittal to FHWA: December 2019
- IMR Conditional Approval: Spring 2020
- Schedule Status: On-Schedule

Project Status:
- Final signed and sealed IMR submitted to FHWA for approval on May 27, 2020
- In coordination with HRTPO, introducing Segment E for Round 4 Smart Scale submission.
Bowers Hill Interchange

Study Scope:
Develop NEPA document and supporting studies for improvements to the I-64/I-264/I-664 Interchange and the Route 58/Route 460 Interchange (Bowers Hill) extending north to approximately the College Drive Interchange.

Study Financial Summary:

<table>
<thead>
<tr>
<th>Project Budget ($4,000,000):</th>
<th>Funds Expended (as of 06/30/2020):</th>
<th>Projected Cost Over/(Under):</th>
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</tr>
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<td>o RW $ 0</td>
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</tr>
<tr>
<td></td>
<td>$ 2,049,062</td>
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</tr>
</tbody>
</table>

Study Schedule:

Begin NEPA Process: July 2020
Completion: December 2023

Study Status:

- Advance study with HRTPO directed scope adjustments
  - add 664 NB &SB to College Drive
  - Add Managed lane component through Bowers Hill interchange to College Drive Interchange

Enabling Funding

HRTAC: $ 4,000,000
State/Federal: $ 4,000,000
AGENDA ITEM #13: ANNOUNCEMENTS
Announcements of interest to the TTAC may be made at this time.

A. HAMPTON ROADS TRANSPORTATION OPERATIONS SUBCOMMITTEE
The Hampton Roads Transportation Operations (HRTO) Subcommittee will meet on Monday, September 14, 2020, via WebEx. The meeting will begin at 9:30 a.m.

B. 2020 FEDERAL PLANNING CERTIFICATION REVIEW
The HRTPO will undergo a Federal Planning Certification Review to be conducted jointly by the Federal Highway Administration and the Federal Transit Administration on September 23-24, 2020. More information regarding the certification review may be found on the HRTPO website at https://www.hrtpo.org/page/2020-federal-quadrennial-certification-review/.

C. BOWERS HILL INTERCHANGE STUDY WORKING GROUP MEETING
The Bowers Hill Interchange Study Working Group Meeting will meet on Friday, September 25, 2020, via WebEx. The meeting will begin at 9:30 a.m.

D. TRANSPORTATION TECHNICAL ADVISORY COMMITTEE MEETING
The Transportation Technical Advisory Committee (TTAC) will meet on Wednesday, October 7, 2020. The meeting will begin at 9:30 a.m.
AGENDA ITEM #14:  OLD/NEW BUSINESS

ADJOURNMENT