## June 2011 CTB Meeting

F41
BR04-127-442, B656, B657

## City Of Richmond

The purpose of this project is to rehabilitate the I-64 bridge over the CSX railroad and Shockhoe Creek located in down town Richmond. The bridge like many other structures throughout Virginia has reached its maintenance life of around 40 years. The bridge deck will need to be milled and overlaid with latex \& joint repair. The steel located in the bridge superstructure will require major repair and painting. The abutments on either side of the bridge have rotated; repair to those is also included in the contract. This project is located close to the I-95 \& I64 interchange. Traffic on I-95 will be impacted during construction. The bridge structure is approximately 1100 ft in length. Construction will affect the east and west bound structures. For the majority of the project at least one lane and a shoulder will be closed to traffic. The mill and latex over lay will take place during the weekend. It should take 3 to 4 week end closers to perform the work. The bridge will be reduced to one lane from Friday afternoon to Monday morning allowing the contractor to perform the work.

Fixed completion July 20, 2012

## H86 <br> 0664-061-001, N-501

## City of Suffolk

This project makes repairs and waterproofs the decks for the approach bridges to the Monitor Merrimac Memorial Tunnel Bridge. This work will help extend the life expectancy of the structures for an additional 15 to 20 years past its normal life span. This facility provides commuters an alternative route to cross the James River going from the Southside to the Peninsula. This facility connects Route 58 and Interstate 64 on the south to Interstate 64 on the north. Anticipated impacts to the users of this facility are expected to be minor.

Fixed Completion October 31, 2013
J35
0295-043-725, P101, N501
Henrico County
This project repairs the approaches and abutments on both sides of the Varina Enon Bridge. Two lanes of traffic will be maintained at all times during construction. Project will minimally affect the traveling public.

Fixed completion December 10, 2011

## Smyth County

This project is to replace the structurally deficient superstructure. General scope of work is to replace steel beams, concrete deck, bridge railing, piers, minor substructure work and widening. These structures carry l-81 over Rte. 658 at milepost 44.7. The existing bridge is a three span simple steel beam span with a width of 30' - 0" face-to-face curbs. The bridge will be open to traffic during repairs to bridge. Both structures will maintain one-lane traffic through construction zone with a 16'-0" lane restriction in place.

Fixed completion June 1, 2012

## H88

TS05-965-034, N501

## Hampton Roads District

This project replaces and maintains pavement markings and markers which are used to provide guidance and information for the road user and enhance roadway delineation.
This pavement marking and marker replacement project is proposed for various sections of Interstate system. Impact to motorist will be limited to lane closures on these routes during the time that work is being performed.

Fixed completion July 1, 2012
J17
GR01-968-116, N501

## Staunton \& Culpeper Districts

The purpose of this project is to provide a regional guardrail contract to improve traffic safety by installing and upgrading guardrails along the Interstate, Primary, and Secondary Systems in the Staunton \& Culpeper Districts.

Fixed completion: December 31, 2012

J18
GR03-963-095, N501

## Lynchburg District

The purpose of this project is to provide a regional guardrail contract to improve traffic safety by installing and upgrading guardrails along the Interstate, Primary, and Secondary Systems in the Lynchburg District.

Fixed completion: December 31, 2012

## Salem District

The purpose of this project is to provide a regional guardrail contract to improve traffic safety by installing and upgrading guardrails along the Interstate, Primary, and Secondary Systems in the Salem District.

Fixed completion: December 31, 2012

J20
GR01-961-S10, N501
Bristol District

The purpose of this project is to provide a regional guardrail contract to improve traffic safety by installing and upgrading guardrails along the Interstate, Primary, and Secondary Systems in the Bristol District.

Fixed completion: December 31, 2012

J21
GR01-96A-943
The purpose of this project is to provide a regional guardrail contract to improve traffic safety by installing and upgrading guardrails along the Interstate, Primary, and Secondary Systems in the Fredericksburg \& No Va Districts.

Fixed completion: December 31, 2012

J22
GR01-965-079, N501

## Hampton Roads District

The purpose of this project is to provide a regional guardrail contract to improve traffic safety by installing and upgrading guardrails along the Interstate, Primary, and Secondary Systems in the Hampton Roads District.

Fixed completion: December 31, 2012

## C27

0015-030-117 C501
Fauquier County
The Opal Interchange project is an improvement to the Rte.15/29 intersection with Rte.17. The project is situated in a rural area with rolling terrain. The project was initiated to address safety concerns with the existing intersection. Presently, the intersection ranks number 710 out of 25,329 statewide based on deaths and injuries. There is a significant traffic movement turning left off of Rte.15/29 onto Rte. 17 Southbound. This movement, crossing Rte.15/29 Northbound, is problematic due to traffic quantity and speed. The proposed design for this project includes relocating the Rte. 17 Southbound movement further south of the existing intersection. A ramp, loop, bridge over existing Rte. 29 Northbound and Southbound lanes and a connecting roadway to the existing Rte. 17 Southbound, south of the existing intersection, will redirect this traffic from the existing intersection. The proposed bridge will be a pre-stressed concrete deep bulb "T" girder. Part of this structure will be utilizing an experimental lightweight low permeability concrete. This concrete treatment is funded by a Federal Highway Administration grant. Through traffic will be maintained by using Rte. 17 and Rte. 28 as the major detour. Local traffic will be maintained using local secondary roadways. Six dwellings and one commercial building were impacted by this project. Pedestrian or bicycle facilities were not included in this project due to the project scoping predating the requirement for such facilities. The value of this project is the elimination of a safety concern at the existing intersection of Rte.15/29 and Rte.17. Relocating the turning movement onto Rte. 17 Southbound to a point further south and providing a ramp, loop, bridge and connecting roadway will eliminate car and truck traffic from a crossing movement on Rte.29. This design also allows the construction of additional ramps and loops in the future to complete a full interchange.

Fixed completion July 6, 2011

## Design Build Project

## DB1

1036-053-959, P101, R201, C501 Loudoun County
Pacific Boulevard is the major north-south collector road on the west side of the Route 28 corridor in Loudoun County. It runs roughly parallel to Route 28 and provides access to most land uses immediately west of Route 28. It also serves as an alternative route during periods of congestion and in emergencies.

This project is a 'missing link' that will connect existing segments of Pacific Boulevard south of Relocation Drive and north of Dresden Street and provide a continuous route between Rte. 606 near Dulles Airport to the south and Nokes Boulevard to the north, a total distance of approximately 3.7 miles. This will significantly increase the utility of Pacific Boulevard as a whole by providing connectivity between major intersections and traffic generators.

In particular, the project will improve access to the AOL Campus, located on existing Pacific Boulevard between Waxpool Road (Rte 625) and Dresden Street. A major impetus for the Project has been the 2010 relocation of Raytheon Corporation to the AOL Campus. Loudoun County's commitment to complete this 'missing link' was among the incentives offered by the County to encourage Raytheon to choose the AOL Campus (and hence Loudoun County) as its new home.

The scope of the work is to design, procure right of way for, and construct approximately 0.70 miles of 4-lane divided urban collector road with flexible pavement (asphalt), curb \& gutter, and raised median on new alignment. The proposed alignment is on new alignment, of primarily wooded rolling terrain. No relocations of homes or businesses will be required. Relocation of several hundred feet of Columbia Gas transmission line at the proposed intersection of Pacific Boulevard with existing Moran Road will be required to construct the Project, but otherwise utility involvement is relatively minor.

The project will include a 5 ft sidewalk on the east side of the road and a 10 ft multi-use path on the west side of the road. Storm water management (SWM) facilities will be constructed as required. The project does not include any bridges, major drainage structures, or traffic signals.

Fixed Completion April 30, 2013

## Administrative Services Division

$501-\mathrm{CH}$
Staunton District

This contract is for the performance of maintenance (including preventive maintenance), repair, replacement, repair and restoration activities on right-ofway assets and the following services for Interstate 81 in the Staunton District from mile marker 173.92 to mile marker 237.51, and on Interstate 64 from mile marker 0 to mile marker 57.22.

- Emergency Response and Severe Weather Services
- Operations, Safety Management and Traffic Control Services
- Customer, Incidental and Third Party Claims Services

This TAMS Contract will be managed by the VDOT - Staunton District Office. This contract provides the same level of services that VDOT has provided in the past via state forces and multiple contracts. Commencement date for the 5-year contract is August 1, 2011.

## 502-CH <br> District

Hampton Roads

This contract is for the performance of maintenance (including preventive maintenance), repair, replacement, repair and restoration activities on right-ofway assets and the following services for Interstate 64 in the Richmond and Hampton Roads Districts from mile marker 200.94 to mile marker 268.

- Emergency Response and Severe Weather Services
- Snow and Ice Control Services
- Operations, Safety Management and Traffic Control Services
- Customer, Incidental and Third Party Claims Services

This TAMS Contract will be managed by the VDOT - Hampton Roads District, Williamsburg Residency Office. This contract provides the same level of services that VDOT has provided in the past via state forces then a previous TAMS contract. Commencement date for the 5-year contract is August 1, 2011

## City of Suffolk

## U0337-133-101, C501

## City of Suffolk

This project is to improve safety for the traveling public by upgrading the existing intersection from a two lane to a four lane configuration with raised medians. The intersection improvement is Phase I of the Nansemond Parkway Road widening that is planned to extend easterly from this intersection to Jolliff Road in Chesapeake.

The project is necessary to accommodate increasing demand partially attributed to Northgate Commerce Park located at the southern quadrant of the intersection. Additional demand comes from residential development along both Shoulders Hill Road and the Nansemond Parkway corridors.

The scope of work consists of widening the existing intersection to four lanes with raised medians, and associated turn lanes. Work includes asphalt pavement, curb and gutter, storm drain system with storm water management basins, multiuse path, concrete sidewalk, and associated signals, lighting, and signage.

The Department's 2004 Commonwealth Transportation approved policy for Integrating Bicycle and Pedestrian accommodations were reviewed and considered in the design of this project. The policy will be addressed by inclusion of a multi-use path and sidewalk for the safety of pedestrian and bicyclists affected by the project.

Right of Way acquisitions are complete. As such, all work will be completed within existing right of way. In addition, utility relocations are significantly complete and will be cleared prior to the notice to proceed. There will be no road closures and traffic shall be maintained in accordance with City of Suffolk Specifications and Virginia Work Area Protection Manual.

Fixed completion January 2013

## C35

## Loudoun County

This is a portion of a federal demonstration project for traffic calming. Traffic Calming is defined as the redesign or reconstruction of roadways to physically and mentally encourage calmer or slower traffic speeds. The intent of the project is to employ traffic calming measures that will require drivers to comply with posted speed limits. The purpose is to reduce speeding and aggressive driving, enhance safety, and promote local business, scenic beauty and the historic nature of the area. The entire Route 50 Traffic Calming project is approximately 24 miles long and extends from Paris to Lenah. This segment is the Aldie section, which is approximately 1.44 miles long. Traffic Calming features proposed for Aldie include alternate pavement materials to signify changes in speed limits at the town approaches and to designate parking areas. Alternate paving materials are also used at both raised and flush intersections, crosswalks and new splitter islands. The project also employs extensive landscaping. Drainage improvements will be provided where traffic calming features are implemented. Entranceway features designed to blend with the historic nature of the area, such as stone walls adjacent to the roadway edge, are included at each end of the project.

The low bidder met only $7.37 \%$ of the $18 \%$ DBE requirement set for this project. The contractor was allowed to present their case to a DBE reconsideration panel. The panel found that the contractor did not demonstrate good faith efforts in obtaining DBE participation. The second bidder did meet the goal, but vastly exceeded the engineer's estimate. For these reasons the project is being recommended for rejection of all bids. It can be re-advertised later this month.

Fixed completion July 06, 2012

## BID RESULTS FOR THE CTB

May 25, 2011

| Order No. | Location and Work Type | RECOMMENDATION | - Contractor | Number of Bids | Bid Amount | CN From 6 <br> Year Program |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | INTERSTATE |  |  |  |  |  |
| F41 89861 | LOCATION: 0.5 MI. W. OF RTE 360 | AWARD COR | CORMAN | 4 | \$7,817,882.00 | [ \$8,931,078.00 ] |
| (F0) BR04-127-442, B656, B657 |  |  | CONSTRUCTION, INC. |  |  | $\$ 6,751,895.00$ |
| ANNAPOLIS <br> BH-BR04 (227) |  |  |  |  |  |  |
|  | CITY OF RICHMOND |  |  |  |  |  |
| Maintenance Funds | PROPOSED REPAIRS ON RTE. 64 OVE BRANCH RR AND SHOCKOE CREEK | NGHAM |  |  |  |  |

Purpose and Need: This project rehabilitates the I-64 bridge over the CSX railroad and Shockhoe Creek in downtown Richmond. The construction engineering cost is \$1,303,454.60

BID RESULTS FOR THE CTB
May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number of Bids | Bid Amount | CN From 6 <br> Year Program |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H86 | INTERSTATE |  |  |  |  |  |  |
|  | 92560 | FROM: NBL \& SBL RTE. 664 OVER JAMES RIVER | AWARD H | HRI BRIDGE COMPANY | 3 | \$7,497,999.00 | [ \$9,520,960.00 |
|  | 0664-061-001, N501 |  |  |  |  |  | \$8,078,299.00 |

TO: NBL \& SBL RTE. 664 OVER JAMES RIVER
BLACKSBURG, SC
NONE

CITY OF SUFFOLK

MMMBT REPAIR \& WATERPROOFING
Maintenance Funds

Purpose and Need: This project makes repairs and waterproofs the decks for the approach bridges to the Monitor Merrimac Memorial Tunnel Bridge. The construction engineering cost is $\$ 545,072.00$

## BID RESULTS FOR THE CTB

May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount | CN From 6 <br> Year Program |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: ROUTE 295 OVER JAMES RIVER
CLARKSVILLE, VA .
AC-IM-BR04 (313)

HENRICO CO.

ABUTMENT AND APPROACH REPAIRS
Maintenance Funds

Purpose and Need: This project repairs the approaches and abutments on both sides of the Varina Enon Bridge. The construction engineering cost is $\$ 368,039.96$

3 Recommended for AWARD \$17,334,898.30

## [\$]= District Budget

(\$ ) = Construction Cost Only

## BID RESULTS FOR THE CTB

May 25, 2011


Purpose and Need: This project makes structure repairs to I-81 over Rte. 658 at mile post 44.7. The construction engineering cost is $\$ 556,603.00$

## BID RESULTS FOR THE CTB

May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: DISTRICT WIDE
CHESAPEAKE, VA
NH-PM00(238)

Maintenance Funds INSTALL / UPGRADE PAVEMENT LINE MARKINGS AND MARKERS

Purpose and Need: This project replaces and maintains pavement markings and markers on the interstate system. The construction engineering cost is $\$ 500,000.00$

## BID RESULTS FOR THE CTB

May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount | CN From 6 <br> Year Program |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: DISTRICT WIDE
TROY, VA
STP-968-8 (069)

Maintenance Funds

## STAUNTON / CULPEPER DISTRICTS

REGIONAL GUARDRAIL UPGRADE - NORTHWEST REGION

Purpose and Need: This is a regional guardrail project. The construction engineering cost is $\$ 428,884.40$

## BID RESULTS FOR THE CTB

May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount | CN From 6 <br> Year Program |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: VARIOUS
TROY, VA
NH-963-3 (029)

Maintenance Funds REGIONAL GUARDRAIL UPGRADE - SOUTHWESTERN (LYNCHBURG)

Purpose and Need: This is a regional guardrail project. The construction engineering cost is $\$ 201,710.00$

## BID RESULTS FOR THE CTB

May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount | CN From 6 <br> Year Program |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: VARIOUS
TROY, VA
NH-962-2 (058)

Maintenance Funds REGIONAL GUARDRAIL UPGRADE - SOUTHWESTERN (SALEM)

Purpose and Need: This is a regional guardrail project. The construction engineering cost is $\$ 245,885.00$

BID RESULTS FOR THE CTB
May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount | CN From 6 <br> Year Program |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: VARIOUS
CHESTERFIELD, MI
STP-961-1(071)

Maintenance Funds
BRISTOL DISTRICT
REGIONAL GUARDRAIL UPGRADE - SOUTHWESTERN (BRISTOL)

Purpose and Need: This is a regional guardrail project. The construction engineering cost is $\$ 641,055.23$

## BID RESULTS FOR THE CTB

May 25, 2011

| Order <br> No. | UPC No. Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount | CN From 6 <br> Year Program |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

TO: VARIOUS
CAPITOL HEIGHTS,
MD

STP-5A01 (188)

Maintenance Funds

NORTHERN VA / FREDERICKSBURG DISTRICTS
REGIONAL GUARDRAIL UPGRADE - NORTHERN

Purpose and Need: This is a regional guardrail project. The construction engineering cost is $\$ 376,806.00$

## BID RESULTS FOR THE CTB

May 25, 2011


Purpose and Need: This is a regional guardrail project. The construction engineering cost is $\$ 229,938.65$

8 Recommended for AWARD \$29,862,082.65

## [\$] = District Budget

(\$ ) = Construction Cost Only

BID RESULTS FOR THE CTB
May 25, 2011


Purpose and Need: This project adds 0.7 miles of new roadway on new alignment, one new 250 ' bridge, and several service roads to improve the Rte 15 / 29 intersection with Rte. 17. The construction engineering cost is $\$ 2,532,799.00$
[\$ ] = District Budget
(\$ ) = Construction Cost Only

## BID RESULTS FOR THE CTB

## MAY 25, 2011

DESIGN BUILD PROJECT

| UPC No. \& Project No. | Location and Work Type $\quad$ RE | RECOMMENDATION | V Contractor | Number of Bids | Bid Amount | CN From 6 Year Program |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MISCELLANEOUS |  |  |  |  |  |  |
| 93144 | FROM: Intersection Rte. 775 Relocation Dr | Dr. AWARD S | SHIRLEY CONTRACTING CO., INC. | 6 | \$5,368,600.00* | \$19,865,0000 |
| $\begin{aligned} & \text { 1036-053-959, P101, R201, } \\ & \text { C501 } \end{aligned}$ | TO: Intersection Dresden St. |  | LORTON, VA |  |  |  |
| LOUDOUN COUNTY |  |  |  |  |  |  |
| Design, Construction \& QA/QC funding Sources | 4 LANE CONSTRUCTION ON NEW ALIGNMENT |  |  |  |  |  |

Purpose \& Need: The scope of the work is to design, procure right of way for, and construct approximately 0.70 miles of 4-lane divided urban collector road with flexible pavement (asphalt), curb \& gutter, and raised median on new alignment. The project will include a 5' sidewalk on the east side of the road and a 10 ' multi-use path on the west side of the road. The project does not include any bridges, major drainage structures or traffic signals.
*Amount is inclusive of all phases to include PE, Construction, etc.

# BID RESULTS FOR THE CTB <br> May 10, 2011 <br> ADMINISTRATIVE SERVICES DIVISION 

| UPC No. \& Project No. | Location and Work Type | RECOMMENDATION | Contractor | Number <br> of Bids | Bid Amount |
| :--- | :--- | :--- | :--- | :--- | :--- |

MISCELLANEOUS

| 501-CH | STAUNTON SOUTH TAMS | AWARD | DBI SERVICES <br> HAZELTON, PA 18201 |
| :--- | :--- | :--- | :--- |
| MAINTENANCE FUNDS | Interstate 81, in the counties of Rockbridge <br> and Augusta from mile marker 173.92 to mile <br> marker 237.51 and Interstate 64 in the <br> counties of Alleghany and Rockbridge from <br> mile marker 0 to mile marker 57.22 |  |  |
|  | Center Lane Miles: 120.8 <br> Total Lane Miles: 502.56 |  |  |
|  |  |  |  |

Purpose \& Need: Management and performance of ordinary and preventive maintenance on the right-of-way assets for 5 years with two 2-year renewals.

# BID RESULTS FOR THE CTB <br> May 10, 2011 <br> ADMINISTRATIVE SERVICES DIVISION 

| UPC No. \& Project No. | Location and Work Type | RECOMMENDATION |  | Contractor | Number <br> of Bids | Bid Amount |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |$\quad$| CN From 6 |
| :--- |
| Year Program |

## MISCELLANEOUS

| 502-CH | WILLIAMSBURG, I-64 East TAMS | AWARD | Infrastructure Corporation of <br> America (ICA) <br> Brentwood, TN 37027 |
| :--- | :--- | :--- | :--- |
| MAINTENANCE FUNDS | Interstate 64, east of Richmond in the counties <br> of Henrico, New Kent, James City and York <br> and the cities of Hampton and Newport News <br> from mile marker 200.94 to mile marker 268. |  |  |
|  | Center Lane Miles: 67.06 <br> Total Lane Miles: 357.28 |  |  |

Purpose \& Need: Management and performance of ordinary and preventive maintenance on the right-of-way assets for 5 years with two
2-year renewals.

## BID RESULTS FOR THE CTB

## April 7, 2011

City of Suffolk

RECOMMENDATION $\quad$ Contractor $\quad$\begin{tabular}{l}
Number <br>
of Bids

$\quad$ Bid Amount 

CN From 6 <br>
Year Program
\end{tabular}

MISCELLANEOUS

| $\mathbf{1 7 5 6 8}$ | FROM: 0.2787 MI WEST OF RTE 626 | AWARD | BRANSCOME, INC. <br> WILLIAMSBURG, VA | $\$ 8,599,927.12$ |
| :--- | :--- | :--- | :--- | :---: |
| $\mathbf{0 3 3 7 - 1 3 3 - 1 0 1 , ~ C 5 0 1 ~}$ | (SHOULDERS HILL RD) |  |  |  |
| NONE | TO: 0.3984 MI EAST OF RTE 626 |  |  |  |
|  | (SHOULDER HILL RD) |  |  |  |
|  | CITY OF SUFFOLK |  |  |  |

Purpose \& Need: This project is to improve safety for the traveling public by upgrading the existing intersection from a two land to a four lane configuration with raised medians.

## BID RESULTS FOR THE CTB

## April 27, 2011

| Order No. | Location and Work Type | RECOMMENDATION | N Contractor | Number of Bids | Bid Amount | CN From 6 <br> Year Program |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | PRIMARY |  |  |  |  |  |
| $\begin{aligned} & \text { C35 } 68825 \\ & \text { (NF0) 0050-053-117, C501 } \end{aligned}$ | FROM: 0.290 MI. WEST RTE. 734 (SNICKERSVILLE TNPK) | REJECT G | GENERAL <br> EXCAVATION, INC. | 3 | \$3,884,523.49 | $\begin{aligned} & \$ 4,554,956.00 \\ & \$ 3,458,551.00 \end{aligned}$ |
|  | TO: 0.111 MI. EAST RTE. 631 (NE ROAD) |  | WARRENTON, VA |  |  |  |
| TC-5401(763) |  |  |  |  |  |  |
| LOUDOUN CO. |  |  |  |  |  |  |
| Construction Funds | RTE 50 - TRAFFIC CALMING - VII | LDIE |  |  |  |  |

Purpose and Need: This project employs traffic calming measures such as alternate paving materials to form raised and flush intersections, crosswalks, splitter islands and extensive landscaping. This segment is the Aldie section, which is approximately 1.44 miles long. the construction engineering cost is $\$ 738,059.46$
[\$]= District Budget
(\$ ) = Construction Cost Only

