

**2045 LRTP Amendment - Approved May 20, 2021**

| FAMPO 2045 CONSTRAINED PE/STUDIES LIST |                                                                        |                                 |                                       |            |                                                                                                                |                              |
|----------------------------------------|------------------------------------------------------------------------|---------------------------------|---------------------------------------|------------|----------------------------------------------------------------------------------------------------------------|------------------------------|
| Jurisdiction                           | Project                                                                | Study Limits                    |                                       | VDOT UPC # | Study/Improvements Description                                                                                 | Cost Estimate (2018 Dollars) |
|                                        |                                                                        | From                            | To                                    |            |                                                                                                                |                              |
| Region-wide                            | 95 Express Lanes Extension                                             | US-17 Interchange (Exit 133)    | US 1 Interchange (Exit 126)           |            | Study extending the 95 Express Lanes to Massaponax                                                             | \$ 1,000,000                 |
| Region-wide                            | I-95 Interchange Improvements (Region-wide)                            |                                 |                                       |            | For any potential interchange study region-wide                                                                | \$ 2,000,000                 |
| Stafford County                        | I-95 Exit 143 Interchange Modification Report                          |                                 |                                       |            | Modify interchange to include direct connect ramp to 95 Express Lanes                                          | \$ 1,000,000                 |
| Spotsylvania County                    | Harrison Road Interchange Justification Report                         |                                 |                                       |            | Study new I-95 interchange at Harrison Road                                                                    | \$ 1,000,000                 |
| Fredericksburg                         | Celebrate Virginia South Interchange Justification Report              |                                 |                                       |            | Study new I-95 interchange at Celebrate VA South                                                               | \$ 500,000                   |
| Region-wide                            | Northbound Rappahannock River Crossing Interchange Modification Report | Exit 130                        | Exit 133                              | 112520     | IMR for CD Lanes and Bridges Northbound I-95 over Rappahanock River from Exit 130 (Rte 3) to Exit 133 (Rte 17) | \$ 250,000                   |
| Region-wide                            | US-1 Widening/Operational Improvements (Region-wide)                   | Telegraph Rd North Intersection | Mudd Tavern Rd                        |            | For any potential widenings/operational improvements region-wide                                               | \$ 1,000,000                 |
| Stafford County                        | Mine Road Extension                                                    | Courthouse Road (630)           | US 17                                 |            | Widen to 4 lanes divided with bike/ped accommodations                                                          | \$ 500,000                   |
| Spotsylvania County                    | Mills Dr (US 17) Widening                                              | Hospital Blvd/Germanna Point Dr | Tidewater Trail/Sandy Lane Dr (Rte 2) |            | Widen to 4 lanes divided with bike/ped accommodations                                                          | \$ 1,000,000                 |
| Region-wide                            | Lafayette Blvd Improvements/Widening                                   | Rte 3                           | US 1                                  |            | Widen to 4 lanes divided with bike/ped accommodations                                                          | \$ 1,000,000                 |
| Region-wide                            | Corridor Study Rte 1 and Rte 208                                       |                                 |                                       | 107192     | Determine Improvements for corridor                                                                            | \$ 400,000                   |
| Region-wide                            | Corridor Study Rte 2 and Rte 17 BUS                                    | City Limits                     | US 17 (Mills Dr.)                     | 107193     | Determine Improvements for corridor                                                                            | \$ 400,000                   |
| Spotsylvania County                    | Rte 3 - Commuter Parking Lot Study                                     |                                 |                                       | 104923     | Determine location & scope of new PNR lot                                                                      | \$ 500,000                   |
| Fredericksburg                         | Fredericksburg VRE Station Access/Parking Structure Study              |                                 |                                       | 102987     | Study creating new access to Fredericksburg Train Station parking & expanding parking                          | \$ 250,000                   |
| Districtwide                           | REGIONALLY SIGNIFICANT PROJECTS STUDY                                  | n/a                             | n/a                                   | 113914     | Study                                                                                                          | \$ 2,095,218                 |
| Statewide                              | VEHICLE FUEL CONVERSION PROGRAM MARKETING                              | n/a                             | n/a                                   | T20741     | Marketing                                                                                                      |                              |
| Fredericksburg                         | #SGR - CHATHAM BRIDGE DETOUR                                           | n/a                             | n/a                                   | 114770     | Detour                                                                                                         | \$ 500,000                   |
| Statewide                              | Traffic Video Expansion - Statewide                                    | n/a                             | n/a                                   | 110551     | Traffic Video                                                                                                  |                              |

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|---------------------|----------------------------------------------------------|----------------------------|--------------------|------------|--------------------------------|------------------------------|
|                     |                                                          | From                       | To                 |            |                                |                              |
| Statewide           | Statewide Truck Parking Management System - Phase 1      | n/a                        | n/a                | 110912     | Truck parking system           |                              |
| Statewide           | Statewide Truck Parking Management System - Phase 2      | n/a                        | n/a                | 111613     | Truck parking system           |                              |
| Statewide           | ATMS - Phase 1, 2, 3, 4                                  | n/a                        | n/a                | 111892     | Traffic Management             |                              |
| Statewide           | Drone Technology Project                                 | n/a                        | n/a                | 114400     | Drone                          |                              |
| Statewide           | ITTF FY20 I-95 VSL Compliance Monitoring                 | n/a                        | n/a                | 115850     | Compliance                     |                              |
| Statewide           | ITTF FY20 Arterial Operations Program Dashboard          | n/a                        | n/a                | 115854     | Operations                     |                              |
| Statewide           | ITTF FY20 High Speed Communications                      | n/a                        | n/a                | 115855     | ITS communications             |                              |
| Districtwide        | CN;SAFETY/ITS/OPERATIONAL/IMPROVEMENTS                   | n/a                        | n/a                | T18969     |                                | \$ -                         |
| Districtwide        | ROADWAY DEPARTURE - CURVE COUNTERMEASURES - DISTRICTWIDE | n/a                        | n/a                | 107196     | Safety countermeasures         | \$ 1,500,000                 |
| Districtwide        | CROSSOVER MUTCD COMPLIANCE SIGNING                       | n/a                        | n/a                | 112893     | Singage compliance             | \$ 554,690                   |
| Districtwide        | TRAFFIC SIGNAL MUTCD COMPL. UPGRADES (PE ONLY)           | n/a                        | n/a                | 113423     | Signal compliance              | \$ 750,000                   |
| Districtwide        | TRAFFIC SIGNAL MUTCD UPGRADES (CN ONLY)                  | n/a                        | n/a                | 113920     | Signal upgrades                | \$ 1,085,310                 |
| Spotsylvania County | ACTUATED FLASHER AT VARIOUS LOCATIONS                    | n/a                        | n/a                | 110865     | Safety                         | \$ 701,000                   |
| Statewide           | PEDESTRIAN IMPROVEMENTS AT PRIORITY CORRIDOR STATEWIDE   | n/a                        | n/a                | 114193     | Pedestrian improvements        | \$ -                         |
| Spotsylvania County | Route 1 Massaponax STARS Corridor Study                  | Mine Rd                    | Guinea Station Rd  | 115613     | Corridor study                 | \$ 100,000                   |
| Stafford County     | Route 1 North Stafford Stars Corridor Study              | Rte 631                    | Port Aquia Dr      | 115178     | Corridor study                 | \$ 100,000                   |
| Fredericksburg      | RT 3/360 DISTRICTWIDE SHOULDER RUMBLE STRIPS             | Blue-Gray Parkway/Stafford | Rte 360 Ramp/Essex | 110864     | Safety improvement             | \$ 980,000                   |
| Fredericksburg      | INSTALL RETRO-REFLECTIVE BACK PLATES -- DISTRICTWIDE     | n/a                        | n/a                | 110863     | Safety improvement             | \$ 1,625,000                 |
| Districtwide        | ADAPTIVE CAPABLE SIGNAL CONTROLLERS                      | n/a                        | n/a                | 112530     | Signals                        | \$ 440,000                   |

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|----------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Jurisdiction                           | Project                                                             | Study Limits                                        |                                                     | VDOT UPC # | Study/Improvements Description                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cost Estimate (2018 Dollars) |
|                                        |                                                                     | From                                                | To                                                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |
| Districtwide                           | SIGNAL REBUILDS                                                     | n/a                                                 | n/a                                                 | 112892     | Signals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$ 1,300,000                 |
| Districtwide                           | PEDESTRIAN CROSSINGS & SIGNAL SAFETY MODIFICATIONS                  | n/a                                                 | n/a                                                 | 112894     | Pedestrian safety                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$ 148,983                   |
| Districtwide                           | PEDESTRIAN CROSSINGS & SIGNAL SAFETY MODIFICATIONS                  | n/a                                                 | n/a                                                 | 113542     | Pedestrian safety                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$ 151,017                   |
| Districtwide                           | INSTALL ADVANCED SIGNAL CONTROL TECHNOLOGY AND COMMUNICATION        | n/a                                                 | n/a                                                 | 114334     | Signals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$ -                         |
| Stafford County                        | TRENCH WIDENING - VARIOUS LOCATIONS                                 | n/a                                                 | n/a                                                 | 113367     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$ 649,892                   |
| Fredericksburg                         | FYA CONVERSION OF 25 TRAFFIC SIGNALS                                | n/a                                                 | n/a                                                 | 110824     | Signals                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$ 495,000                   |
| Fredericksburg                         | Corridor Study for Gateway Blvd                                     | n/a                                                 | n/a                                                 | 114814     | Study                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$ 62,500                    |
| Districtwide                           | CN: TRANSIT AMENITIES                                               | n/a                                                 | n/a                                                 | T18989     | Transit improvements                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$ -                         |
| Statewide                              | Rail Construction                                                   | n/a                                                 | n/a                                                 | T18967     | Rail construction                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$ -                         |
| Districtwide                           | Highway-Rail Safety Inventory Section 130 PE Only                   | n/a                                                 | n/a                                                 | 112018     | Study                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$ 700,000                   |
| Statewide                              | Highway-Rail Section 130 Pre Scoping PE Only                        | n/a                                                 | n/a                                                 | 112213     | Study                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |
| Statewide                              | ENVIRONMENTAL EQ429 FORM PROCESSING CHARGES                         | n/a                                                 | n/a                                                 | 112497     | Form processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |
| Spotsylvania County                    | Rte 1/208 Area Multimodal and Revitalization Improvements - PE Only |                                                     |                                                     | T24756     | Intersection improvements, access management improvements, new sidewalks                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 2,165,562                 |
| Spotsylvania County                    | Route 208 Operational and Multimodal Improvements - PE Only         |                                                     |                                                     | N/A        | Provide 3 thru-lanes WB on Rte 208 between Hood Dr and Woodland Dr as well as Triple-LTLs on Southpoint Pkwy NB at Rte 208; 208 PNR lot improvements; and additional FRED S4 service                                                                                                                                                                                                                                                                                            | \$ 1,650,264                 |
| Spotsylvania County                    | NW Quadrant Roadway at US Rte 1/Hood Drive/Mine Rd                  | 0.25 mi north of US 1/Hood Dr/Mine Rd Instersection | 0.15 mi south of US 1/Hood Dr/Mine Rd Instersection | 118612     | Construct an innovative intersection called a quadrant roadway for the US Rte 1/Hood Dr/Mine Rd intersection with the quadrant positioned on the Northwest side of the intersection. Construct a new signalized intersection for the US Rte 1/Quadrant Roadway intersection and a 2-lane roundabout at the Hood Dr/Quadrant Roadway intersection. Additionally, provide US Rte 1 access management improvements including a median to prevent left turns near the intersection. | \$ 1,268,832                 |

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|                     |                                             | From                 | To                   |            |                                |                              |
| Spotsylvania County | I-95 Exit 126 Diverging Diamond Interchange | Exit 126 Interchange | Exit 126 Interchange | 118612     | Study                          | \$ 4,676,840                 |
| Spotsylvania County | I-95 Exit 126 Interchange Access Report     | Exit 126 Interchange | Exit 126 Interchange | 118612     | Study                          | \$ 2,623,075                 |
| <b>TOTAL:</b>       |                                             |                      |                      |            |                                | \$ 34,500,108                |