

VISUALIZE 2050

PIT Inputs and Other Updates

Cristina Finch, TPB Transportation Planner
Andrew Austin, TPB Transportation Planner
Leonardo Pineda, TPB Transportation Planner

TPB Technical Committee
November 3, 2023

Project Inputs Clarifications

- Project Inputs Schedule
- Project Details
- Financial Details
- Project Examples



- Project ID Codes Key:
 - T# codes are for Programmed Projects (**green** and **black** text boxes)
 - CE# codes are for Future Programming Projects (**orange** and **blue** text boxes)



V2050 Project Inputs List

Projects in V2050 Financial Plan	Currently Programmed Through FY29 (T#)	For Future Programming In FY30-50 (CE#)
Regionally Significant for Air Quality	Highway or Transit Projects Project Details & Total Cost Estimate (T & CE#)	
	T# Financial Details	CE# Financial Details
Not Regionally Significant for Air Quality	Highway, Transit, Bike, Pedestrian, etc. Projects, Phases, or Project Grouping Categories Project Details & Total Cost Estimate (T & CE#)	
	T# Financial Details	CE# Financial Details

V2050 Project Inputs List

Projects in V2050 Financial Plan	Currently Programmed Through FY29 (T#)	For Future Programming In FY30-50 (CE#)
Regionally Significant for Air Quality	Highway or Transit Projects Project Details & Total Cost Estimate (T & CE#) due 12/29/23 	
	T# Financial Details	CE# Financial Details due 12/29/23 
Not Regionally Significant for Air Quality	Highway, Transit, Bike, Pedestrian, etc. Projects, Phases, or Project Grouping Categories Project Details & Total Cost Estimate (T & CE#)	
	T# Financial Details	CE# Financial Details

V2050 Project Inputs List

Projects in V2050 Financial Plan	Currently Programmed Through FY29 (T#)	For Future Programming In FY30-50 (CE#)
Regionally Significant for Air Quality	Highway or Transit Projects Project Details & Total Cost Estimate (T & CE#) due 12/29/23	
	T# Financial Details due 1/26/25	CE# Financial Details due 12/29/23
Not Regionally Significant for Air Quality	Highway, Transit, Bike, Pedestrian, etc. Projects, Phases, or Project Grouping Categories Project Details & Total Cost Estimate (T & CE#) due 6/28/24	
	T# Financial Details due 1/26/25	CE# Financial Details due 6/28/24

Primary Project Type in PIT Database

Primary Record Type - All	
Infrastructure	
Bicycle/Pedestrian - Bike/Travel lane reduction	Bus/BRT - Capital/Expansion
Bicycle/Pedestrian - Bike/Ped	Bus/BRT - Capital/SGR
Road - Access Mgmt	Bus/BRT - Maintenance
Road - Add Capacity/Widening	Bus/BRT - Passenger facilities
Road - HOV/Managed Lanes	Bus/BRT - Regional Fare collection
Road - Interchange improvements	Rail/Fixed Guideways - At-Grade Crossing
Road - Intersection improvements	Rail/Fixed Guideways - Capital/Expansion
Road - ITS/Technology	Rail/Fixed Guideways - Capital/SGR
Road - New Construction	Rail/Fixed Guideways - Grade Separation
Road - Recons/Rehab/Maintenance/Resurface	Rail/Fixed Guideways - Maintenance
Road - Signal/Signs	Rail/Fixed Guideways - Metrorail/Commuter Rail
Bridge - New Construction	Rail/Fixed Guideways - Streetcar/Light rail
Bridge - Prev. Maint	Freight - Freight Movements
Bridge - Rehab	TDM/Micromobility - Park and Ride
Bridge - Rehab + Add Cap	Other - Alt Fuel Infrastructure
Bridge - Replace	Other - Intermodal Facilities
Bridge - Replace + Add Cap	Other - Regional Fare Collection
	Other - Federal Lands Highway Program
Program/Service	Administrative
Bus/BRT - Operating	Debt Service
Rail/Fixed Guideways - Operating	Training
TDM/Micromobility - Ridesharing	Grouping Category
TDM/Micromobility - Vanpool	
Study	Other
Study/Planning/Research	Other



Regionally Significant for AQ Primary Project Types

Primary Record Type - All	
Infrastructure	
Bicycle/Pedestrian - Bike/Travel lane reduction	Bus/BRT - Capital/Expansion
Bicycle/Pedestrian - Bike/Ped	Bus/BRT - Capital/SGR
Road - Access Mgmt	Bus/BRT - Maintenance
Road - Add Capacity/Widening	Bus/BRT - Passenger facilities
Road - HOV/Managed Lanes	Bus/BRT - Regional Fare collection
Road - Interchange improvements	Rail/Fixed Guideways - At-Grade Crossing
Road - Intersection improvements	Rail/Fixed Guideways - Capital/Expansion
Road - ITS/Technology	Rail/Fixed Guideways - Capital/SGR
Road - New Construction	Rail/Fixed Guideways - Grade Separation
Road - Recons/Rehab/Maintenance/Resurface	Rail/Fixed Guideways - Maintenance
Road - Signal/Signs	Rail/Fixed Guideways - Metrorail/Commuter Rail
Bridge - New Construction	Rail/Fixed Guideways - Streetcar/Light rail
Bridge - Prev. Maint	Freight - Freight Movements
Bridge - Rehab	TDM/Micromobility - Park and Ride
Bridge - Rehab + Add Cap	Other - Alt Fuel Infrastructure
Bridge - Replace	Other - Intermodal Facilities
Bridge - Replace + Add Cap	Other - Regional Fare Collection
	Other - Federal Lands Highway Program
Program/Service	Administrative
Bus/BRT - Operating	Debt Service
Rail/Fixed Guideways - Operating	Training
TDM/Micromobility - Ridesharing	Grouping Category
TDM/Micromobility - Vanpool	
Study	Other
Study/Planning/Research	Other

**Regionally Significant
for Air Quality**



Due Dates for AQ Significant Projects vs. Not AQ Sig.

Project Details and Total Cost Estimate Submitted by Agencies & Accepted for PIT inclusion by TPB staff

Due December 29, 2023

Primary Record Type - Regionally Significant for Air Quality
Infrastructure
Bicycle/Pedestrian - Bike/Travel lane reduction
Road - Add Capacity/Widening
Road - HOV/Managed Lanes
Road - New Construction
Bridge - New Construction
Bridge - Rehab + Add Cap
Bridge - Replace + Add Cap
Bus/BRT - Capital/Expansion
Rail/Fixed Guideways - Capital/Expansion
Rail/Fixed Guideways - Metrorail/Commuter Rail
Rail/Fixed Guideways - Streetcar/Light rail
Road - Interchange improvements
Other - Federal Lands Highway Program

Due June 28, 2024

Primary Record Type - Not Regionally Significant for Air Quality	
Infrastructure	
Bicycle/Pedestrian - Bike/Ped	Bus/BRT - Passenger facilities
Road - Access Mgmt	Bus/BRT - Regional Fare collection
Road - Intersection improvements	Rail/Fixed Guideways - At-Grade Crossing
Road - ITS/Technology	Rail/Fixed Guideways - Capital/SGR
Road - Recons/Rehab/Maintenance/Resurface	Rail/Fixed Guideways - Grade Separation
Road - Signal/Signs	Rail/Fixed Guideways - Maintenance
Bridge - Prev. Maint	Freight - Freight Movements
Bridge - Rehab	TDM/Micromobility - Park and Ride
Bridge - Replace	Other - Alt Fuel Infrastructure
Bus/BRT - Capital/SGR	Other - Intermodal Facilities
Bus/BRT - Maintenance	Other - Regional Fare Collection
Program/Service	Administrative
Bus/BRT - Operating	Debt Service
Rail/Fixed Guideways - Operating	Training
TDM/Micromobility - Ridesharing	Grouping Category
TDM/Micromobility - Vanpool	
Study	Other
Study/Planning/Research	Other



Due Dates for AQ Significant Projects vs. Not AQ Sig.

Project Details and Total Cost Estimate Submitted by Agencies & Accepted for PIT inclusion by TPB staff

Due December 29, 2023

Primary Record Type - Regionally Significant for Air Quality
Infrastructure
Bicycle/Pedestrian - Bike/Travel lane reduction
Road - Add Capacity/Widening
Road - HOV/Managed Lanes
Road - New Construction
Bridge - New Construction
Bridge - Rehab + Add Cap
Bridge - Replace + Add Cap
Bus/BRT - Capital/Expansion
Rail/Fixed Guideways - Capital/Expansion
Rail/Fixed Guideways - Metrorail/Commuter Rail
Rail/Fixed Guideways - Streetcar/Light rail
Road - Interchange improvements
Other - Federal Lands Highway Program

CE3077: C Street NE Implementation				
Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Road - Other Improvement	45-22	-	2022	\$14,500,000
Lead Agency	County	Municipality	Contact	
District Department of Transportation	BLANK	District of Columbia	Jamie Henson jamie.henson@dc.gov	
Project Limits	C St NE/North Carolina Ave NE from Oklahoma Avenue to 14th Street NE		Implementation Status	Construction/Project Implementation begins
Project Description	The C Street NE Traffic Calming project will create a facility that slows traffic on the corridor by reducing at least one vehicle lane of traffic. Currently, the inbound lanes of the East Capitol Street bridge terminate in the Rosedale neighborhood at the intersection of C Street NE and Oklahoma Avenue. Traffic enters the neighborhood at a high rate of speed and begins to disperse toward the Capitol and Downtown.			

CE1320: Ardwick-Ardmore Road				
Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Road - Add Capacity/Widening	45-22	-	2030	\$10,400,000
Lead Agency	County	Municipality	Contact	
Prince Georges County	Prince Georges	-	-	
Project Limits	-		Implementation Status	-
Project Description	Construction and reconstruction of existing 2-lane roadway to improve geometry, provide on-street parking and access to new High School			

T6672: Crystal City Potomac Yard BRT Expansion				
Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Transit - BRT	23-00	115668	2030	\$8,587,378
Lead Agency	County	Municipality	Contact	
Virginia Department of Transportation	BLANK	City of Alexandria	Steve Sindiong steve.sindiong@alexandriava.gov	
Project Limits	-		Implementation Status	-
Project Description	Enhance transit use by extending transitway on NB Route 1. Includes dedicated center running transit lanes and stations, coordinated with other planned intersections improvements at Rte 1/E Glebe Road.			



Due Dates for AQ Significant Projects vs. Not AQ Sig.

Project Details and Total Cost Estimate Submitted by Agencies & Accepted for PIT inclusion by TPB staff

Due December 29, 2023

Primary Record Type - Regionally Significant for Air Quality
Infrastructure
Bicycle/Pedestrian - Bike/Travel lane reduction
Road - Add Capacity/Widening
Road - HOV/Managed Lanes
Road - New Construction
Bridge - New Construction
Bridge - Rehab + Add Cap
Bridge - Replace + Add Cap
Bus/BRT - Capital/Expansion
Rail/Fixed Guideways - Capital/Expansion
Rail/Fixed Guideways - Metrorail/Commuter Rail
Rail/Fixed Guideways - Streetcar/Light rail
Road - Interchange improvements
Other - Federal Lands Highway Program

CE3077: C Street NE Implementation SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Road - Other Improvement	45-22	-	2022	\$14,500,000
Lead Agency	County	Municipality	Contact	
District Department of Transportation	BLANK	District of Columbia	Jamie Henson jamie.henson@dc.gov	
Project Limits	C St NE/North Carolina Ave NE from Oklahoma Avenue to 14th Street NE		Implementation Status	Construction/Project Implementation begins
Project Description	The C Street NE Traffic Calming project will create a facility that slows traffic on the corridor by reducing at least one vehicle lane of traffic. Currently, the inbound lanes of the East Capitol Street bridge terminate in the Rosedale neighborhood at the intersection of C Street NE and Oklahoma Avenue. Traffic enters the neighborhood at a high rate of speed and begins to disperse toward the Capitol and Downtown.			

CE1320: Ardwick-Ardmore Road SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Road - Add Capacity/Widening	45-22	-	2030	\$10,400,000
Lead Agency	County	Municipality	Contact	
Prince Georges County	Prince Georges	-	-	
Project Limits	-		Implementation Status	-
Project Description	Construction and reconstruction of existing 2-lane roadway to improve geometry, provide on-street parking and access to new High School			

T6672: Crystal City Potomac Yard BRT Expansion SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Transit - BRT	23-00	115668	2030	\$8,587,378
Lead Agency	County	Municipality	Contact	
Virginia Department of Transportation	BLANK	City of Alexandria	Steve Sindiong steve.sindiong@alexandriava.gov	
Project Limits	-		Implementation Status	-
Project Description	Enhance transit use by extending transitway on NB Route 1. Includes dedicated center running transit lanes and stations, coordinated with other planned intersections improvements at Rte 1/E Glebe Road.			



Due Dates for AQ Significant Projects vs. Not AQ Sig.

Project Details and Total Cost Estimate Submitted by Agencies & Accepted for PIT inclusion by TPB staff

Due June 28, 2024

Primary Record Type - Not Regionally Significant for Air Quality	
Infrastructure	
Bicycle/Pedestrian - Bike/Ped	Bus/BRT - Passenger facilities
Road - Access Mgmt	Bus/BRT - Regional Fare collection
Road - Intersection improvements	Rail/Fixed Guideways - At-Grade Crossing
Road - ITS/Technology	Rail/Fixed Guideways - Capital/SGR
Road - Recons/Rehab/Maintenance/Resurface	Rail/Fixed Guideways - Grade Separation
Road - Signal/Signs	Rail/Fixed Guideways - Maintenance
Bridge - Prev. Maint	Freight - Freight Movements
Bridge - Rehab	TDM/Micromobility - Park and Ride
Bridge - Replace	Other - Alt Fuel Infrastructure
Bus/BRT - Capital/SGR	Other - Intermodal Facilities
Bus/BRT - Maintenance	Other - Regional Fare Collection
Program/Service	Administrative
Bus/BRT - Operating	Debt Service
Rail/Fixed Guideways - Operating	Training
TDM/Micromobility - Ridesharing	Grouping Category
TDM/Micromobility - Vanpool	
Study	Other
Study/Planning/Research	Other

T11608: DC Circulator South Capitol Street Facility Improvements SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Transit - Bus	23-03.1	-	2028	\$27,317,750
Lead Agency	County	Municipality	Contact	
District Department of Transportation	Washington	District of Columbia	Circe Tourelles (202)409-2201 circe.torruellas@dc.gov	
Project Limits			Implementation Status	
-			* Bid/Advertise Phase	

Project Description
DDOTs South Capitol Street facility houses 14 battery-electric buses. DDOT intends to expand the facility to accommodate up to 46 additional electric buses, construct a minimum of two maintenance bays and one bus wash bay, and install new charging equipment, including a new solar canopy to offset electric bus charging costs.

T6608: Dennis Avenue Bridge Replacement M-0194 SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Bridge - Rehab	23-00	501701	2024	\$9,116,000
Lead Agency	County	Municipality	Contact	
Montgomery County	BLANK	-	-	
Project Limits			Implementation Status	
Bridge M-0194			-	

Project Description
This project provides for the replacement of Dennis Ave. Bridge (M-0194) over a tributary to Sligo Creek. The existing bridge, built in 1961, is a single 30-foot span structure. The proposed replacement bridge will be a single 75-foot span structure. The wider opening will mitigate the frequent flooding of five residential properties and local streets upstream of the bridge; mitigate occasional roadway flooding on Dennis Avenue that causes significant traffic delays; and eliminate annual maintenance repairs required for this deteriorating structure.

T6545: I-66 Inside of the Beltway Initiatives GARVEE DEBT SERVICES

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Debt Service	23-10	110392	2034	\$29,845,236
Lead Agency	County	Municipality	Contact	
Virginia Department of Transportation	Arlington, Fairfax	-	Amanda Baxter amanda.baxter@vdot.virginia.gov	
Project Limits			Implementation Status	
-			-	

Project Description
I-66 Inside of the Beltway Initiatives GARVEE DEBT SERVICES



Due Dates for AQ Significant Projects vs. Not AQ Sig.

Project Details and Total Cost Estimate Submitted by Agencies & Accepted for PIT inclusion by TPB staff

Due June 28, 2024

Primary Record Type - Not Regionally Significant for Air Quality	
Infrastructure	
Bicycle/Pedestrian - Bike/Ped	Bus/BRT - Passenger facilities
Road - Access Mgmt	Bus/BRT - Regional Fare collection
Road - Intersection improvements	Rail/Fixed Guideways - At-Grade Crossing
Road - ITS/Technology	Rail/Fixed Guideways - Capital/SGR
Road - Recons/Rehab/Maintenance/Resurface	Rail/Fixed Guideways - Grade Separation
Road - Signal/Signs	Rail/Fixed Guideways - Maintenance
Bridge - Prev. Maint	Freight - Freight Movements
Bridge - Rehab	TDM/Micromobility - Park and Ride
Bridge - Replace	Other - Alt Fuel Infrastructure
Bus/BRT - Capital/SGR	Other - Intermodal Facilities
Bus/BRT - Maintenance	Other - Regional Fare Collection
Program/Service	Administrative
Bus/BRT - Operating	Debt Service
Rail/Fixed Guideways - Operating	Training
TDM/Micromobility - Ridesharing	Grouping Category
TDM/Micromobility - Vanpool	
Study	Other
Study/Planning/Research	Other

T11608: DC Circulator South Capitol Street Facility Improvements SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Transit - Bus	23-03.1	-	2028	\$27,317,750
Lead Agency	County	Municipality	Contact	
District Department of Transportation	Washington	District of Columbia	Circe Tourelles (202)409-2201 circe.toruellas@dc.gov	
Project Limits	-		Implementation Status	
-	-		* Bid/Advertise Phase	
Project Description				
DDOTs South Capitol Street facility houses 14 battery-electric buses. DDOT intends to expand the facility to accommodate up to 46 additional electric buses, construct a minimum of two maintenance bays and one bus wash bay, and install new charging equipment, including a new solar canopy to offset electric bus charging costs.				

T6608: Dennis Avenue Bridge Replacement M-0194 SHARE

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Bridge - Rehab	23-00	501701	2024	\$9,116,000
Lead Agency	County	Municipality	Contact	
Montgomery County	BLANK	-	-	
Project Limits	-		Implementation Status	
Bridge M-0194	-		-	
Project Description				
This project provides for the replacement of Dennis Ave. Bridge (M-0194) over a tributary to Sligo Creek. The existing bridge, built in 1961, is a single 30-foot span structure. The proposed replacement bridge will be a single 75-foot span structure. The wider opening will mitigate the frequent flooding of five residential properties and local streets upstream of the bridge; mitigate occasional roadway flooding on Dennis Avenue that causes significant traffic delays; and eliminate annual maintenance repairs required for this deteriorating structure.				

T6545: I-66 Inside of the Beltway Initiatives GARVEE DEBT SERVICES

Project Type	TIP	Agency Phase ID	Completion Year	Total Cost
Debt Service	23-10	110392	2034	\$29,845,236
Lead Agency	County	Municipality	Contact	
Virginia Department of Transportation	Arlington, Fairfax	-	Amanda Baxter amanda.baxter@vdot.virginia.gov	
Project Limits	-		Implementation Status	
-	-		-	
Project Description				
I-66 Inside of the Beltway Initiatives GARVEE DEBT SERVICES				



V2050 Project Inputs Financial Details

- Regionally AQ Significant - programmed projects/project phases –
 - Total Cost Estimate for Project or Project Phase
 - Total Planned Obligations for 4-year period (FFY26-29)
- Not Regionally AQ Significant - programmed projects/project phases/project grouping categories –
 - Total Cost Estimate by Project, Phase, or Grouping Category
 - Total Planned Obligations for 4-year period (FFY26-29) by Project, Phase, or Grouping Category
- Regionally AQ Significant – Not programmed projects/project phases with “Reasonably Anticipated to be Available” Funding
 - Total Cost Estimate by Project or Project Phase
 - Expected funding amount from Federal, State/District, Local, Private or Bonds
- Not Regionally AQ Significant – Not programmed projects/project phases/project grouping categories with “Reasonably Anticipated to be Available” Funding
 - Total Cost Estimate by Project, Phase, or Grouping Category
 - Expected funding amount from Federal, State/District, Local, Private or Bonds



V2050 Project Inputs List

Projects in V2050 Financial Plan	Currently Programmed Through FY29 (T#)	For Future Programming In FY30-50 (CE#)
Regionally Significant for Air Quality	Highway or Transit Projects Project Details & Total Cost Estimate (T & CE#) due 12/29/23	
	T# Financial Details due 1/26/25	CE# Financial Details due 12/29/23
Not Regionally Significant for Air Quality	Highway, Transit, Bike, Pedestrian, etc. Projects, Phases, or Project Grouping Categories Project Details & Total Cost Estimate (T & CE#) due 6/28/24	
	T# Financial Details due 1/26/25	CE# Financial Details due 6/28/24

Total Project Cost

- The TPB's primary role is to verify the financial constraint of the Visualize 2050 Transportation Plan and TIP
- Accurate estimates for all planned project expenditures are essential
- Understanding how Project InfoTrak defines and calculates total cost for each project is crucial to this process
- Guidance provided in Appendix B of the Technical Inputs Solicitation – Instructional Guide



Project Record Categories

- Project InfoTrak records are categorized as:
 - Discrete Projects – Estimated finite total costs with projected completion dates
 - Ongoing Programs – Funded on an annual basis for the foreseeable future. Includes:
 - Operations, maintenance, Travel Demand Management programs, TIP project groupings, etc.



Defining Total Project Cost

- Definition: Total cost for discrete projects includes all aspects of work from planning through construction
- Costs entered should be specific and exclusive to the scope of work described in that record
 - For studies or planning/PE, the cost should reflect the expenditures projected only for the study, planning, or PE – NOT the projected cost of the project
 - For projects with segments broken out into other records, the total cost should exclude the cost of the break-out segment, and vice-versa
 - This may mean that costs of non-conformity related records (e.g. PE-only or ROW-only TIP records) need to be taken into account when entering the total project cost for some records



Calculating Total Project Cost

- Not programmed project records (CE#)
 - The sum of projected federal, state, local, private, etc. revenues identified in the programming block
- Programmed project records (T#)
 - Option 1: Total cost is automatically calculated using prior TIP funding, active four-year TIP funding, and future funding (“Balance to Build” or “Cost to Complete”)
 - Details of source, fiscal year, phase will not be displayed or in any other way provided for TIP-level projects until after development of the FY 2026-2029 TIP is completed and ready for public comment
 - Option 2: Users may bypass the calculated total amount by unchecking the box under the programming block that reads “Total cost is equal to total amount programmed” and manually enter a cost
 -



Discrete Projects and Break-Out Records

- What are break-out records?
 - Any PIT records that break-out individual segments or phases from the larger project (usually for funding in the TIP)
- The cost shown on any break-out record should reflect only the cost of the scope of work described in that record
 - Corollary: the cost of that break-out record should be deducted from the total cost shown on the larger, unfunded project record
- How do we arrive at a cohesive “Total Project Cost” across records?
 - Over-Arching Projects – each record should be identified as a component project of a defined Over-Arching Project (OAP)
 - Project InfoTrak sums the costs identified in each component record and presents that as the Total Project Cost



Cristina Finch

Principal Transportation Planner
(202) 962-3335
cfinch@mwkog.org

Andrew Austin

Transportation Planner IV
(202) 962-3353
aaustin@mwkog.org

Leo Pineda

Transportation Planner II
(202) 962-3234
lpineda@mwkog.org

mwkog.org

777 North Capitol Street NE, Suite 300
Washington, DC 20002



National Capital Region
Transportation Planning Board