



MEMORANDUM

TO: TPB Long-Range Plan Task Force
FROM: Kanti Srikanth, TPB Staff Director
SUBJECT: Overview of Final Product and Next Steps of the Task Force
DATE: June 7, 2017

FINAL PRODUCT

The final product, to be adopted by the TPB in December 2017, will be no more than 10 individual unfunded and/or unplanned multi-modal projects, programs, or policies, though some or all may be “bundled” with one another in order to better achieve the goals laid out in TPB and COG’s policy documents. Upon endorsement in December, these “improvement initiatives” will be included as part of the unfunded element of the TPB’s 2018 Long-Range Plan. The TPB intends for its members to pursue funding or other actions needed to include these initiatives in the funded element of future TPB Long-Range Plans.

TASK FORCE NEXT STEPS

June 7th and 21st:

The task force will review the suggested bundles of improvements (submitted from task force members and compiled by staff) and work towards narrowing them down to a smaller set of bundles. The objective is to have a draft set of up to 10 bundles of projects, programs, or policies to recommend for further analysis for approval at the TPB’s July 19th meeting. No bundle recommended shall include more than 10 projects, programs, or policies.

July 5th:

The task force will finalize the list of up to 10 bundles that the task force will recommend for TPB’s endorsement on the 19th. To assist, staff will provide a preliminary assessment of the potential contribution each of the draft bundles may make toward addressing the challenges. Staff will provide a **qualitative** assessment based on professional judgement and informed by previous scenario analysis of similar improvements. Staff intends to use a Low-Medium-High-N/A rating system.

July 19th:

The task force will meet directly after the TPB’s scheduled endorsement of the bundles for analysis. The consultants will present preliminary plans for the tools and methods to be used in the sketch planning analysis. The task force will discuss measures to be used in the analysis, within the capabilities of the tools and methods presented by the consultants.

August - October:

TPB staff will work with the technical consultant to conduct an analytical analysis at a sketch planning level of the improvement bundles selected by the TPB in July. This analysis will **quantify** the impact of each bundle on selected measures of effectiveness, such as change in level of congestion

or transit mode share. The bundles will be analyzed intact and any benefits from individual initiatives within the bundles will not be quantified. The task force will be convened as needed and the TPB will receive status reports on the analysis work during this period.

November:

The task force will meet twice during this month. The task force will receive a detailed presentation of the analysis and an outline of the technical report, including quantified **estimates on specific measures of effectiveness** for each improvement bundle. A final list of up to 10 individual projects, programs, or policies will be crafted by selecting from among the specific bundles analyzed, i.e., without further mixing and matching the projects, programs or policies between the various bundles analyzed. The up to 10 projects, programs or policies selected could come from more than one bundle as long as the bundles analyzed remain intact, and if the number of individual initiatives does not exceed 10. The task force will also discuss and recommend the process by which the TPB will make a final decision.

December:

The TPB will receive the draft technical report and the task force's recommendations. The TPB will discuss the issues and vote.

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
A. Regional Express Travel Network	<ol style="list-style-type: none"> HOV, toll lanes, and express bus service on all existing limited access and major travel facilities, including parkways WMATA's Priority Corridor Network for bus service enhancements on major corridors First/last-mile connections to express transit service through bus and bike/ped improvements Additional park-and-ride lot capacity in outer jurisdictions for HOV and express bus services 	<ol style="list-style-type: none"> Parking pricing and employer-provided transit/ridesharing subsidies in locations served by the above network 	<ol style="list-style-type: none"> Redistribute forecast growth within jurisdictions to increase density and concentrate mixed-use development around the regional express travel network
B. Enhanced Regional Rail Service	<ol style="list-style-type: none"> Metrorail: 100% eight-car trains, second Metro station at Rosslyn, reduce interlining, expand/enhance high-volume stations in system core Commuter rail: increase frequency and hours of service, VRE-MARC crossover, Union Station and Long Bridge capacity expansion First/last-mile connections to rail service through bus and bike/ped improvements 	<ol style="list-style-type: none"> Reduce Metrorail fares in off-peak direction during peak period and on other underutilized Metrorail segments Parking pricing and employer-provided transit subsidies in locations served by the above network 	<ol style="list-style-type: none"> Concentrate more future growth within each jurisdiction for increased density and higher mix of uses in Activity Centers served by Metrorail and commuter rail
C. Maximal Transit	<ol style="list-style-type: none"> Second Rosslyn tunnel for Metrorail, Metro extensions to Centreville or Gainesville/ Haymarket, Hybla Valley, and Potomac Mills Circumferential Purple Line (connecting New Carrollton to Eisenhower Ave, also connect Bethesda to Tysons) Transitway to Waldorf Light rail expansions in DC WMATA's Priority Corridor Network for bus service enhancements on major corridors MARC Growth Plan & VRE System Plan 2040 plans (not in CLRP), two-way traffic on MARC Brunswick line 	<ol style="list-style-type: none"> Free transit for low-income earners Extensive TOD in under-invested high-capacity transit nodes funded by a regional value-capture mechanism 	<ol style="list-style-type: none"> Policies to incentivize transit: price parking at all Activity Centers, require employer-provided subsidies for transit and parking cash-out Optimize jobs-housing balance by moving more future housing growth within jurisdictions into Activity Centers, and moving jobs across jurisdictions to Activity Centers in need of more jobs
D. Combine B/C	<i>Combine B and C</i>		

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
E. Regional Express Travel Network <i>(Modified from Bundle A)</i>	<ol style="list-style-type: none"> HOV, toll lanes, and express bus service on all existing limited access and major travel facilities, including parkways First/last-mile connections to express transit service through bus and bike/ped improvements Additional park-and-ride lot capacity in outer jurisdictions for HOV and express bus services 		<ol style="list-style-type: none"> Redistribute forecast growth within jurisdictions to increase density and concentrate mixed-use development around the regional express travel network
F. Enhanced Regional Rail Service <i>(Modified from Bundle B)</i>	<ol style="list-style-type: none"> MARC Growth Plan & VRE System Plan 2040 not in CLRP) Increase frequency and hours of service for VRE and MARC, including two-way trains VRE-MARC crossover Union Station capacity expansion Long Bridge capacity expansion First-mile, last-mile connections to rail service through local bus and bike/ped connections 		<ol style="list-style-type: none"> Redistribute forecast growth within jurisdictions to increase high-density, mixed-use development in Activity Centers around Metrorail and regional rail network
G. Targeted Roadway Capacity and Operational Enhancements	<ol style="list-style-type: none"> Enhanced Potomac River crossings (American Legion Bridge, additional northern crossing) Added capacity at regionally significant bottlenecks identified by TPB's Congestion Monitoring Report Fill gaps in the road network Address congestion through the Congestion Mitigation Process 		
H. Targeted Roadway Capacity Enhancements <i>(Modified from Bundle G)</i>	<ol style="list-style-type: none"> Added road capacity at up to 10 highway bottlenecks, identified by TPB's Congestion Monitoring Report, and approved by the task force 		

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
I. Single-Occupancy Vehicle Travel Demand Reduction	<ol style="list-style-type: none"> 1. Toll the bridges in regional core 2. Expand regional bike-share network 3. Metrorail station access improvements for bicyclists and pedestrians and interconnected network of regional trails 4. Expand park-and-ride lot capacities for rideshare/carpool and end-line Metrorail stations 	<ol style="list-style-type: none"> 5. Incentivize transit: targeted parking pricing at workplaces throughout region and expand employer-provided subsidies for transit 	<ol style="list-style-type: none"> 6. Optimize jobs-housing balance by moving more future housing growth within jurisdictions into Activity Centers, and moving jobs across jurisdictions to Activity Centers in need of more jobs
J. Overall Travel Demand Management		<ol style="list-style-type: none"> 1. Extensive telework (50% of commuters telework 1.5 days/week) 2. Maximize flexible work schedules, expand compressed work schedules to 50% 4-day work weeks 	<ol style="list-style-type: none"> 3. Optimize jobs-housing balance by moving more future housing growth within jurisdictions into Activity Centers, and moving jobs across jurisdictions to Activity Centers in need of more jobs
K. Travel Automation and Technology Improvements	<ol style="list-style-type: none"> 1. Improved engineering and operational practices in arterial design such as turn movement treatments and transit priority 	<ol style="list-style-type: none"> 2. Automated and semi-automated services on limited access facilities to potentially include cars, buses, connected vehicles, freight 3. Automated and semi-automated services for first/last-mile connection to/from public transit 4. Extensive shared mobility for all trip purposes 5. Automated traffic incident management and advanced traveler information systems 	
L. Combine I/J	<i>Combine I and J</i>		
M. Combine J/K	<i>Combine J and K</i>		

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>N. Single-Occupancy Vehicle Travel Demand Reduction <i>(Modified from Bundle I)</i></p>	<p>1. Toll the bridges in regional core</p>	<p>2. Parking pricing and employer-provided transit/ride-sharing subsidies</p>	<p>3. Higher gas tax or VMT tax 4. Institute parking maximums in all Activity Centers via zoning</p>
<p>O. Overall Travel Demand Management <i>(Modified from Bundle J)</i></p>		<p>1. Extensive telework (50% of commuters telework 1.5 days/week) 2. Maximize flexible work schedules, expand compressed work schedules to 50% 4-day work weeks 3. Expanded employer-provided transit/ridesharing subsidies</p>	<p>4. Parking cash-out requirement for all employers inside Activity Centers</p>
<p>P. Roadway Technology Improvements <i>(Modified from Bundle K, very similar to bundle GG)</i></p>	<p>1. Improved engineering and operational practices in arterial design such as turn movement treatments 2. Transit priority treatments 3. Reversible lanes on key highways</p>	<p>4. Automated traffic incident management and advanced traveler information systems 5. ICM, ATM, and ITS regionwide</p>	
<p>Q. Improved Arterial Transit</p>	<p>1. WMATA's Priority Corridor Network for bus service enhancements on 24 major corridors 2. Dedicated-lane transitways (ie BRT or LRT) on Montgomery County's proposed BRT network, NVTA's TransAction BRT network, a TBD network for Prince George's County, and the transit lane network identified in moveDC 3. Transitway to Waldorf 4. Light rail (ie streetcar) expansions in DC, using dedicated lanes on future segments</p>		<p>5. Redistribute forecast growth within jurisdictions to increase high-density, mixed-use development in Activity Centers around Metrorail and arterial transitway network</p>

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>R. Expand Access to Existing Transit</p>	<ol style="list-style-type: none"> 1. Metrorail station access improvements for bicyclists and pedestrians 2. Expand park-and-ride lot capacities for end-line Metrorail stations 	<ol style="list-style-type: none"> 3. Free transit for low-income earners 	<ol style="list-style-type: none"> 4. Extensive TOD in under-invested high-capacity transit nodes funded by a regional value-capture mechanism 5. Require employer-provided subsidies for transit and parking cash-out 6. Redistribute forecast growth within jurisdictions to increase high-density, mixed-use development in Activity Centers around Metrorail
<p>S. Optimize Existing Metrorail <i>(Similar program/policy themes are found in T, X, OO, PP, QQ, SS, WW)</i></p>	<ol style="list-style-type: none"> 1. 100% eight-car trains 2. Second Metro station at Rosslyn 3. Expand/enhance high-volume stations in system core 4. Expand park-and-ride lot capacities for end-line Metrorail stations 	<ol style="list-style-type: none"> 5. Reduce Metrorail fares in off-peak direction during peak period and on other underutilized Metrorail segments 	<ol style="list-style-type: none"> 7. Redistribute forecast growth within jurisdictions to increase high-density, mixed-use development in activity centers around Metrorail 8. Redistribute forecast growth across jurisdictions to increase high-density, mixed-use development in activity centers around Metrorail on the east side of the region
<p>T. Expand Metrorail <i>(Similar program/policy themes are found in S, X, OO, PP, QQ, SS, WW)</i></p>	<ol style="list-style-type: none"> 1. Second Rosslyn tunnel for Metrorail 2. New separated Blue Line subway loop (i.e. reduce interlining) 3. Expand park-and-ride lot capacities for end-line Metrorail stations 		<ol style="list-style-type: none"> 4. Redistribute forecast growth within jurisdictions to increase high-density, mixed-use development in activity centers around Metrorail 5. Redistribute forecast growth across jurisdictions to increase high-density, mixed-use development in activity centers around Metrorail on the east side of the region

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>U. Circumferential Transit <i>(These initiatives also included in Bundles C, D, SS)</i></p>	<ol style="list-style-type: none"> 1. Purple Line – New Carrollton to Eisenhower Ave extension 2. Purple Line – Bethesda to Tysons extension 		
<p>V. Circumferential Roadways</p>	<ol style="list-style-type: none"> 1. New northern Potomac River highway crossing 2. HOT lanes on Legion and Wilson bridges 		
<p>W. Ease Last-Mile Trips Inside Activity Centers</p>	<ol style="list-style-type: none"> 1. Expand regional bike-share network 2. Metrorail station access improvements for bicyclists and pedestrians 3. Interconnected network of regional trails 4. Interconnected street grid in all activity centers 5. Expanded circulator buses to Metro stations 		<ol style="list-style-type: none"> 6. Redistribute forecast growth within jurisdictions to increase high-density, mixed-use development in activity centers around Metrorail
<p>X. Optimize Future Land Use <i>(Similar themes are found in S, T, OO, PP, QQ, SS, WW)</i></p>			<ol style="list-style-type: none"> 1. Move more future job and housing growth within jurisdictions into activity centers 2. Move more future job growth across jurisdictions to activity centers on the east side of the region and in the regional core 3. Move more future housing growth from outside the region into activity centers inside the region 4. Extensive TOD in under-invested high-capacity transit nodes funded by a regional value-capture mechanism

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>Y. Expand Shared Mobility <i>(This initiative also included in Bundles K, M)</i></p>		<p>1. Extensive shared mobility for all trips purposes</p>	
<p>Z. Automated Vehicles <i>(These initiatives also included in Bundles K, M)</i></p>		<p>1. Automated and semi-automated services on limited access facilities to potentially include cars, buses, connected vehicles, freight</p> <p>2. First-mile, last-mile connections: automated and semi-automated services for first and last mile access to/from public transit</p>	
<p>AA. Fix Metro Funding</p>			<p>1. Regional dedicated funding source for Metro</p>
<p>BB. Improve Metro Core Capacity <i>(These initiatives also included in Bundles B, D)</i></p>	<p>1. Uncouple Metro lines at congested locations to relieve train congestion at key points such as tunnels (e.g. redesign Silver Line service to run in Virginia only)</p> <p>2. 8-car trains</p>		

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>CC. Incentivize Suburban Metro Ridership <i>(This initiative also included in Bundles I, L, S, T)</i></p>	<p>1. Expand Park & Ride facilities at far-out stations</p>		
<p>DD. Convert Commuter Rail to Regional Rail</p>	<p>1. Dedicated commuter rail tracks, including Long Bridge (enabling high capacity service) 2. High capacity transit to outer suburbs (every 15-minutes all-day MARC and VRE)</p>		
<p>EE. Construct Surface Transitway Network <i>(This initiative also included in Bundles A, C, D, Q)</i></p>	<p>1. Arterial BRT/priority bus network</p>		
<p>FF. Increase Transit Demand <i>(This initiative also included in Bundles B, S)</i></p>		<p>1. Optimize Metro (and bus) pricing to maximize ridership</p>	

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>GG. Optimize Road Management <i>(Very similar to Bundle P)</i></p>	<ol style="list-style-type: none"> 1. Reversible lanes on key highways 2. Region-wide expansion of ITS 3. Integrated Corridor Management (ICM) region-wide 4. Regionwide cross-jurisdictional traffic signal optimization 	<ol style="list-style-type: none"> 5. Digitally integrated technology for transit systems and roadway corridors (e.g. active traffic management) 	
<p>HH. Expand Capacity at Road Bottlenecks <i>(This initiative also included in Bundles G, H)</i></p>	<ol style="list-style-type: none"> 1. Additional highway lanes at bottlenecks to increase person throughput at bottlenecks 		
<p>II. Improve Dulles-to-Maryland River Crossing <i>(This initiative also included in Bundles G, V)</i></p>	<ol style="list-style-type: none"> 1. New river crossing (Dulles to Montgomery County) 		
<p>JJ. Construct HOT Lanes Regionwide <i>(These initiatives also included in Bundles A, E, RR)</i></p>	<ol style="list-style-type: none"> 1. HOT lanes on all highways (possibly reversible) 2. High capacity transit to outer suburbs (via frequent buses in HOT lanes) 		

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>KK. Price Driving to Manage Demand and Fund Improvements</p>		<p>1. Congestion pricing</p>	<p>2. Higher gas tax or VMT tax to fund projects and disincentivize driving</p> <p>3. Cordon charge to access regional core and/or Activity Centers</p>
<p>LL. Price Parking and Incentivize Non-driving trips to Manage Demand and Fund Improvements <i>(This initiative also included in Bundles A, B, C, D, I, N, O, R)</i></p>			<p>1. Price parking (possibly using the stretch parking pricing strategy from MSWG), with parking cash-out and transit benefits</p>
<p>MM. Make Activity Centers Multimodal <i>(These initiatives also included in Bundle W)</i></p>	<p>1. Interconnected street grids in all Activity Centers</p> <p>2. Pedestrian and bicycle access to Metro and commuter rail stations (e.g. WMATA's ped/bike access study)</p>		
<p>NN. Make Bikeshare Practical for More of the Population <i>(This initiative also included in Bundles I, W)</i></p>	<p>1. Expand regional bikeshare with prioritization in Activity Centers and transit nodes</p>		
<p>OO. Increase Residential Density in High-Job Areas <i>(This initiative also included in Bundles C, D, I, J, L, M, PP, and many others. Similar themes are found in S, T, X, QQ, SS, WW)</i></p>			<p>1. Balance of transit priorities with housing mix (i.e. housing unit production targets in all Activity Centers served by high-capacity transit)</p>

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
<p>PP. Optimize Land Use <i>(Similar themes are found in S, T, X, OO, QQ, SS, WW)</i></p>		<ol style="list-style-type: none"> 1. TOD in under-invested high-capacity transit nodes (eg use WMATA's Transit Corridor Expansion Guidelines to set density targets for existing and future transit nodes) 2. Address east-west divide by incentivizing job growth on the eastern side of the region (eg by subsidizing leases & taxing new parking at the vacant property rate) 3. Tie a value-capture mechanism to a regional fund for transit or bike/ped improvements in activity centers 	<ol style="list-style-type: none"> 4. Balance of transit priorities with housing mix (i.e. housing unit production targets in all Activity Centers served by high-capacity transit)
<p>QQ. Increase Jobs in the East Part of the Region <i>(These initiatives also included in Bundle WW. Similar themes are found in S, T, X, OO, PP, SS, WW)</i></p>		<ol style="list-style-type: none"> 1. Address east-west divide by incentivizing job growth on the eastern side of the region (e.g. by subsidizing leases & taxing new parking at the vacant property rate) 2. Tie a value-capture mechanism to a regional fund for transit or bike/ped improvements in activity centers 	

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
RR.	<ol style="list-style-type: none"> 1. Maximize Metro capacity and maintain the system 2. Improve first/last mile connections 3. Add commuter rail capacity 4. Increase highway capacity including new east/west connections, to accommodate 60% of increased workers plus the current deficit, and including HOT lanes for BRT and autos 5. Increase passenger rail capacity by adding lines and stations (for example, north from Shady Grove to Gaithersburg/Germantown, other areas) 	<ol style="list-style-type: none"> 6. Incentives for telework 	<ol style="list-style-type: none"> 7. Build 100% of housing needs, and focus location on transit and Activity Centers
<p>SS. Increase Accessibility for Disadvantaged and Underserved Communities</p> <p><i>(Similar program/policy themes are found in S, T, X, OO, PP, QQ, WW)</i></p>	<ol style="list-style-type: none"> 1. Address east-west divide through projects connecting Equity Emphasis Areas such as: <ul style="list-style-type: none"> - Light rail connecting Silver Spring to Branch Avenue - Expanding light rail in DC - Transitway to Waldorf 2. High-capacity transit to outer suburbs 	<ol style="list-style-type: none"> 3. Standardized or fixed fare on all transit 4. Free transit rides for residents earning \$30,000 a year or less 5. Subsidize ride-share 6. Stagger work hours 7. Expand telework 8. Address east-west divide by incentivizing job growth on the eastern side of the region <ul style="list-style-type: none"> - Create a fund to subsidize lease rates for job centers on the east side of the region by taxing new parking at the “vacant property” rate 9. Greater accessibility for persons with disabilities <ul style="list-style-type: none"> - Regionally accessible taxi network 	<ol style="list-style-type: none"> 10. Require an increased percentage of workforce/affordable housing in TOD areas 11. Coordinate local bus systems into a regionwide bus network <ul style="list-style-type: none"> - Glean motivations from how Houston and Baltimore have revamped their bus systems 12. Forecast the impact of alternative modes of transportation like Uber, Lyft, autonomous vehicles and their implications <ul style="list-style-type: none"> - Develop integrated plan (particularly for autonomous vehicles) that incorporates needs of disabled, senior citizens, and low-income communities

LRPTF-Suggested Bundles of Projects, Programs and Policies

	Projects	Programs	Policies
TT. Flat Fare		1. Flat fare for Metrorail trips	
UU. TOD Exactions			1. Projects adjacent to Metrorail stations pay a surcharge (say 10%) in exchange for a reduction in parking
V V. Regional Affordable Housing		1. Determine regional need for affordable housing, then allocate affordable housing growth needed for each jurisdiction (start at state level, then county, then smaller jurisdictions). Incentivize jurisdictions to build a percentage of affordable housing to distribute regionwide access to multi-modal transportation	
W W. Land Use/ Balancing Region <i>(Similar program/policy themes are found in S, T, X, OO, PP, QQ, SS)</i>	<ol style="list-style-type: none"> 1. Express lanes across American Legion Bridge, and widen bridge 2. Managed lanes with express bus service on beltway in Maryland, and other freeways in Prince George's County 3. Purple Line extension to Eisenhower Ave via Wilson Bridge 4. Branch Ave to Waldorf light rail 5. moveDC bus and high-capacity transit projects 6. High capacity routes from Langley Park to Bladensburg, US 1 from DC line to Beltsville, MD 193 from College Park to Greenbelt 	<ol style="list-style-type: none"> 7. TOD in under-invested high-capacity transit nodes, especially on east side of the region 8. Address east-west divide by incentivizing job growth on the eastern side of the region (eg by subsidizing leases & taxing new parking at the vacant property rate) 9. Tie a value-capture mechanism to a regional fund for transit or bike/ped improvements in activity centers 	<ol style="list-style-type: none"> 10. Move more future job growth across jurisdictions to activity centers on the east side of the region and in the regional core 11. Move more future job and housing growth within jurisdictions into activity centers