



Briefing on the development of a GIS-based mapping application for CLRP projects

TPB staff have created an online GIS web map of the 2014 CLRP. Our goal is to provide an interactive experience through visualization, allowing users to obtain enhanced information on major projects in the CLRP. This web map is intended to complement (or replace) the static maps currently available on the CLRP page (under 'Major Highway and 'Transit/HOV').

The projects displayed on this map represent almost all of the Air Quality Conformity projects that are part of the CLRP. All regionally significant highway projects are included, as are the majority of transit projects.

It should be noted that the content and design of this project are currently in DRAFT form. Once any changes (response to feedback, additional data received, and/or corrections) are made, the maps will be made available on the CLRP site and/or an additional related web page. Additionally, the map service will be made available so agencies can consume the product in their own desktop GIS or web mapping application.

The 2014 CLRP Web Map

The CLRP web map contains separate layers for highway, HOV and transit projects, further separated by feature type (line and point). Details about each CLRP project are available via a popup menu, activated by clicking on a feature in the map window. Available attributes include submitting agency(s), total cost, projected completion year, project manager, and links to the CLRP database entry and specific project (if available).

Purple Line

Jurisdiction(s)	Prince George's County, Montgomery County
Submitting Agency	MDOT/Maryland Transit Administration
Secondary Agency	
Conformity Project Year(s)	2020
Total Cost	\$2.37 billion
Improvement Type	Construct

Zoom to

What is the Constrained Long Range Transportation Plan (CLRP)?

The CLRP identifies all regionally significant transportation projects and programs that are planned in the Washington metropolitan area between 2014 and 2040. Over 500 projects are included, ranging from simple highway landscaping to billion-dollar highway and transit projects. Some of the projects will be completed in the near future, while others are only in the initial planning stage.

The projects and programs that go into the CLRP are developed cooperatively by governmental bodies and agencies represented on the National Capital Region Transportation Planning Board (TPB). The [TPB Vision](#), the policy framework adopted by the TPB in 1998, and the [Regional Transportation Priorities Plan](#), adopted in 2014, serve as the regional guide for project development.

How to use this map:

Click on the map features to display a popup window-- here you will see details about each project. Links (if available) are provided for the project's webpage, project map/image, and project manager.

For more information on the CLRP, visit the [TPB's CLRP webpage](#).

To see the latest CLRP news, [click here](#).



Financially Constrained Long-Range Transportation Plan For the National Capital Region

CLRP 2014

Continued..

In addition, users can also view the related Conformity project phase records for a particular CLRP project. Available attributes at this level include phase name, improvement type, projected completion year, as well as details about the project extent.

We are currently offering two ways to access the 2014 CLRP web map. The *embeddable viewer* (screenshot on the previous page) is an ArcGIS Online web map template, and is intended to be inserted into a regular webpage, such as the 'Highways' page on the current CLRP website. The *project viewer* (shown below)page employs the default ArcGIS Online map viewer in order to show the additional Conformity project phase database records. At this time, the option to view this additional level of detail is limited to the project viewer.

2014 CLRP Projects

- Intersection Improvements
 - Construct Intersection
 - Improve Intersection
- Station Improvements
 - New Transit Station
 - Improve Transit Station
- Highway / Road Improvements
 - New Roadway
 - Widen/Improve Roadway
 - Reduce Roadway
 - Remove Existing Road
- High-Occupancy Vehicle Improvements
 - Add High Occupancy Toll (HOT) Lanes
 - Add High Occupancy Vehicle (HOV) Lanes
- Transit Improvements
 - New Transit
 - Transit Improvement
 - Commuter Rail Improvement

Legend

VA 7, Widen, Upgrade

- Jurisdiction(s) Fairfax County
- Submitting Agency VDOT
- Secondary Agency Fairfax County
- Conformity Project Year(s) 2014, 2015, 2021, 2025
- Total Cost \$49.319 million
- Improvement Type Widen
- Project

CLRP_ID	Phase Name	Agency Phase ID	Projected Completion Year	Improvement Type	Facility Name	(From) Facility	(From) Facility Type	(From) Lanes	(To) Facility	(To) Facility Type	(To) Lanes
2105	VA 7, Widen, Upgrade	82135	2030	Construct	VA 7 Leesburg Pike	Bridge over Dulles Toll Road	Major Arterial	4		Major Arterial	6
2105	VA 7, Widen, Upgrade		2014	Widen	VA 7 Leesburg Pike	Dulles Toll Road	Major Arterial	6	VA 123 Chain Bridge Road	Major Arterial	8
2105	VA 7, Widen, Upgrade		2021	Widen	VA 7 Leesburg Pike	VA 123 Chain Bridge Road	Major Arterial	6	I 495 Capital Beltway	Major Arterial	8
2105	VA 7 Widen to 6 lanes		2015	BLANK	VA 7	Rolling Holly Drive	Major Arterial	4	Reston Avenue	Major Arterial	6
2105	Rte 7 - Widen to		2025	Widen	VA 7	Reston Avenue	Major Arterial	4	West Approach	Major Arterial	6

The embeddable viewer can be seen at <http://gis.mwcog.org/webmaps/tpb/2014CLRP/view.html>.

The project viewer can be seen at <http://gis.mwcog.org/webmaps/tpb/2014CLRP/projview.html>.

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