

**FY 2023**

**Unified Planning Work Program**

**DRAFT**

**Regional Intergovernmental Council**

**Kanawha - Putnam Metropolitan Planning Organization**

**March 10, 2022**

**315 D Street ▪ South Charleston, WV ▪ 25303**

## **The Unified Planning Work Program**

The Unified Planning Work Program (UPWP) details the transportation planning work activities to be performed by the Regional Intergovernmental Council (RIC) transportation planning staff for the RIC Metropolitan Planning Area of Kanawha and Putnam counties in West Virginia during Fiscal Year 2023 (FY 2023), which begins July 1, 2022, and ends June 30, 2023. The UPWP can also, by extension, serve as an important vehicle for implementing the initiatives of the current Metropolitan Transportation Plan (MTP). To this end, when feasible, MTP projects will be programmed in UPWP work tasks.

The RIC Metropolitan Transportation Plan (MTP) is updated on a four-year cycle. RIC's current MTP update was finalized and adopted in FY 2022 by the RIC Policy Board on September 9, 2021. RIC's transportation planning efforts and resources in FY 2023 will be guided by the provisions and requirements of the Infrastructure Investment and Jobs Act (IIJA).

As part of the Huntington, WV Urbanized Area Transportation Management Area (TMA), RIC partnered in 2014 with its sister agency in Huntington, the KYOVA Interstate Planning Commission MPO, on the development of a congestion management process for that area, which includes a small portion of Putnam County. The existing TMA CMP will continue to function as the CMP of record for that portion of Putnam County that is within the TMA. The RIC Congestion Management Plan (CMP), which was developed for the entirety of RIC's transportation planning area, provides recommendations for the TMA CMP. The RIC CMP was completed in FY 2018. RIC staff coordinates all planning efforts with KYOVA staff that jointly affect both planning regions.

RIC transportation planning staff spent FY 2020 and 2021 updating the MTP in conjunction with Kimley-Horn and developing the Hazardous Intersection Study with Burgess & Niple. RIC transportation planning staff coordinated with the Kanawha Valley Regional Transportation Authority (KVRTA) throughout the development of the MTP and transit performance targets. RIC will continue working closely with KVRTA staff to continue coordinated efforts for public transit planning initiatives.

During the first half of FY 2022, RIC transportation planning staff finalized the MTP update, advanced a transportation conformity determination and conducted interagency consultation (IAC) as required. Additionally, RIC transportation planning staff, in cooperation with Federal, State and local planning entities, developed and adopted the

RIC FY 2022-2025 Transportation Improvement Program (TIP). The remainder of FY 2022 will focus work efforts on implementing the MTP, developing the Road Safety Assessments project with Burgess & Niple, and implementing the requirements of the Infrastructure Investment and Jobs Act (IIJA).

The Americans with Disabilities Act (ADA) stipulates that each community is required to ensure public facilities and services are accessible by all persons. Over the past several years, local municipalities have utilized RIC staff to complete ADA Self-Evaluations and ADA Transition Plans. During FY 2023, RIC staff will continue to work with municipalities to educate, train, and/or evaluate their existing infrastructure deficiencies to prioritize upgrades, assess ADA compliance, develop or update their ADA Transition Plans, and promote progress toward attaining and maintaining ADA compliance.

The Fixing America's Surface Transportation Act (FAST) of 2015 established the requirement for a performance-based transportation planning process. This requirement was reaffirmed in the Infrastructure Investment and Jobs Act (IIJA). This data-driven process continues to focus on target setting, monitoring, and attaining performance targets in seven key performance areas: safety, infrastructure condition, congestion reduction, system reliability, freight movement and economic vitality, environmental sustainability, and reduced project delivery delays. RIC continues to incorporate transportation performance management (TPM) initiatives and performance-based planning into its planning programs and plans.

To date, the RIC has adopted all performance targets set forth by WVDOT and KVRTA which were established in cooperation with MPOs, public transportation providers, and other stakeholders. RIC will continue to coordinate with WVDOT and public transportation providers to develop and adopt performance targets and update performance reports as required.

### **Planning Emphasis Areas**

As an MPO, the RIC is required to address ten planning factors in the development of its programs and plans through a continuous, cooperative, and comprehensive (3-C) planning process. The ten planning factors were established in the Fixing America's Surface Transportation Act (FAST) of 2015 and were reaffirmed in the Infrastructure Investment and Jobs Act (IIJA). Listed below is a summary of how the RIC FY 2023

Unified Planning Work Program (UPWP) plans to address and incorporate these planning factors.

**1) Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.**

UPWP Elements 301123 (Long Range Transportation Plan), 301423 (Short-Range Planning) and 301823 (Special Studies) – provide for development and coordination of sustainable multimodal practices to promote efficient and safe transportation of people, goods and services in the region, thus promoting economic opportunities, particularly to disadvantaged communities.

**2) Increase the safety of the transportation system for motorized and non-motorized users.**

UPWP Element 301123 (Long Range Transportation Plan) and Element 301423 (Short-Range Planning) – incorporate transportation performance management (TPM) in the Metropolitan Transportation Plan (MTP) and metropolitan transportation planning programs. UPWP Element 301423 (Short-Range Planning) and UPWP Element 301823 (Special Studies) prioritizes the safety of all road users through Complete Streets initiatives, with the goal of providing an equitable and safe transportation network for users of all ages and abilities, including those from marginalized communities facing historic disinvestment. UPWP Element 301623 (Database/GIS) promote data-driven investment decisions using crash analyses, equity analyses, monitorization of TPM/performance targets, demographic data, and updates to the MPO's crash database. UPWP Element 301223 (Transportation Improvement Program) and 301823 (General Transit Planning) identify and support projects that will equitably support underserved communities, increase the safety of the transportation system for all road users, and encourage projects that lessen automobile pollution.

**3) Increase the security of the transportation system for motorized and non-motorized users.**

UPWP Element 301423 (Short-Range Planning), Element 301723 (General Transit Planning) and 301823 (Special Studies) – coordinate with, and provide

assistance to KVRTA, the WV Department of Military Affairs and other local law enforcement agencies on homeland security issues as requested.

**4) Increase the accessibility and mobility of people and freight.**

UPWP Element 301123 (Long Range Transportation Plan) – promote coordination with local freight transportation providers and alternative uses of facilities to move people and goods. Promotes UPWP Element 301723 (General Transit Planning) includes work activities intended to assess and enhance equitable access to public transit services. UPWP Element 301823 (Special Studies) includes work activities to increase the accessibility and mobility for all road users.

**5) Protect and enhance the environment, promote energy conservation, and improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.**

UPWP Elements 301123 (Long Range Transportation Plan), 301223 (Transportation Improvement Program), 301822 (General Transit Planning), and 301422 (Short-Range Planning) – these elements provide, promote and/or recommend projects which are air quality neutral, improve air quality by reducing motor vehicle use, reduce congestion, promote increased traffic flow efficiency, and promote alternate transportation modes. Additionally, Elements 301123 and 301223 advance and/or recommend projects consistent with locally planned economic and growth areas to provide efficient transportation services to encourage economic development, particularly to disadvantaged communities.

UPWP Element 301423 (Short-Range Planning) promote coordination with WVDOT and providers of public transit to collectively integrate Planning and Environment Linkages (PEL) in the early stages of planning to improve project delivery timeframes.

**6) Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.**

UPWP Element 301123 (Long Range Transportation Plan), Element 301223 (Transportation Improvement Program) and Element 301723 (General Transit Planning)- promote plans and projects involving all modes of transportation and connections among facilities. UPWP Element 301823 (Special Studies) includes work activities to increase equitable accessibility and mobility to public transit services and for bicycle and pedestrian travel.

**7) Promote efficient system management and operation.**

Element 301423 (Short-Range Planning) – promote projects to enhance mobility, reduce automobile pollution, and improve intersection and corridor operations. Element 301823 (Special Studies) – identify safety deficiencies throughout the transportation network.

**8) Emphasize the preservation of the existing transportation system**

UPWP Element 301123 (Long Range Transportation Plan), Element 301223 (Transportation Improvement Program) and Element 301423 (Short-Range Planning) - promote improvements to and maintenance of the existing transportation system.

**9) Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.**

UPWP Element 301123 (Long Range Transportation Plan), Element 301223 (Transportation Improvement Program) and Element 301423 (Short-Range Planning) – support projects and plans to improve resiliency and reliability of the existing transportation system. UPWP Element 301623 (Database/GIS) provides needed data and analysis to support future projects and plans.

**10) Enhance travel and tourism.**

UPWP Element 301123 (Long Range Transportation Plan), Element 301223 (Transportation Improvement Program), Element 301423 (Short-Range Planning) and Element 301823 (Special Studies) - promote improvements to and maintenance of the existing transportation system to support the economic conditions of the metropolitan planning area.

With the passage of the Infrastructure Investment and Jobs Act (IIJA) in 2021, the following Planning Emphasis Areas (PEAs) were identified for State departments of transportation (State DOT), metropolitan planning organizations (MPO), and providers of public transportation. These PEAs include, but are not limited to: Climate Change, Equity and Justice<sup>40</sup> in Transportation Planning, Complete Streets, Public Involvement, Strategic Highway Network (STRAHNET)/U.S. Department of Defense (DOD) Coordination, Federal Land Management Agency (FLMA) Coordination, Planning and Environment Linkages (PEL), and Data in Transportation Planning.

The IIJA requires metropolitan planning organizations to use at least 2.5% of funds apportioned for Metropolitan Planning (PL) related to complete streets or increasing safe and accessible options for multimodal travel for people of all ages and abilities—UPWP Element 301423 (Short-Range Planning) demonstrates compliance with this requirement. The RIC will incorporate the requirements of Section 11201 of the IIJA/BIL in the metropolitan transportation planning process.

As implementation guidance and directives from the Federal Highway Administration (FHWA) on the Infrastructure Investment and Jobs Act (IIJA), or Bipartisan Infrastructure Law (BIL), is released, RIC will integrate the requirements of the legislation into its work activities.

**RIC Transportation Planning Budget  
FY 2023**

<b>Element Number</b>	<b>Work Element</b>	<b>Federal FHWA</b>	<b>Local RIC</b>	<b>Local WVDOT</b>	<b>Total Match</b>	<b>Total</b>	<b>Person Months</b>
301023	Management & Administration	\$ 94,667	\$ 11,833	\$ 11,833	\$ 23,667	\$ 118,334	14.7
301123	Long Range Transportation Plan	\$ 25,012	\$ 3,126	\$ 3,126	\$ 6,253	\$ 31,265	3.9
301223	Transportation Improvement Program	\$ 26,212	\$ 3,276	\$ 3,276	\$ 6,553	\$ 32,765	4.1
301423	Short-Range Planning	\$ 114,130	\$ 14,266	\$ 14,266	\$ 28,532	\$ 142,662	17.8
301623	Database/GIS	\$ 64,197	\$ 8,025	\$ 8,025	\$ 16,049	\$ 80,247	10.0
301723	General Transit Planning	\$ 12,506	\$ 1,563	\$ 1,563	\$ 3,126	\$ 15,632	1.9
301823	Special Studies	\$ 177,277	\$ 22,160	\$ 22,160	\$ 44,319	\$ 221,596	27.6
		<b>\$ 514,000</b>	<b>\$ 64,250</b>	<b>\$ 64,250</b>	<b>\$ 128,500</b>	<b>\$ 642,500</b>	<b>80.0</b>

Project ID	Element	DIRECT EXPENSES						Total Direct	Indirect	Total
		Salaries	Fringe Benefits	Contracted Services	Travel	Printing	*Other			
301023	Management and Administration	\$ 59,350	\$ 20,700	\$ -	\$ 6,500	\$ 1,000	\$ 8,690	\$ 96,239	\$ 22,094	\$ 118,334
301123	Long Range Transportation Plan	\$ 17,585	\$ 6,133	\$ -	\$ -	\$ -	\$ 1,000	\$ 24,718	\$ 6,546	\$ 31,265
301223	TIP	\$ 17,585	\$ 6,133	\$ -	\$ -	\$ 1,000	\$ 1,500	\$ 26,218	\$ 6,546	\$ 32,765
301423	Short-Range Planning	\$ 43,963	\$ 15,333	\$ 65,000	\$ 500	\$ 1,000	\$ 500	\$ 126,296	\$ 16,366	\$ 142,662
301623	Database/GIS	\$ 32,972	\$ 11,500	\$ -	\$ 5,500	\$ -	\$ 18,000	\$ 67,972	\$ 12,275	\$ 80,247
301723	General Transit Planning	\$ 8,793	\$ 3,067	\$ -	\$ -	\$ -	\$ 500	\$ 12,359	\$ 3,273	\$ 15,632
301823	Special Studies	\$ 39,566	\$ 13,800	\$ 145,000	\$ 2,500	\$ 1,000	\$ 5,000	\$ 206,866	\$ 14,729	\$ 221,596
	TOTAL	\$ 219,813	\$ 76,667	\$ 210,000	\$ 15,000	\$ 4,000	\$ 35,190	\$ 560,670	\$ 81,830	\$ 642,500

\*Other includes equipment, equipment maintenance, supplies, and public notices

Indirect Cost is estimated from the FY21 rate.

## Sub-Elements

### 301023 Management and Administration

DIRECT EXPENSES	Salaries	\$ 59,350
	Fringe Benefits	\$ 20,700
	Contracted Services	\$ -
	Travel	\$ 6,500
	Printing	\$ 1,000
	*Other	\$ 8,690
Total Direct		\$ 96,239
Indirect		\$ 22,094
Total		\$ 118,334

Element #	301023
Total Cost	\$ 118,334
Participating Agencies:	
FHWA	\$ 94,667
WVDOT	\$ 11,833
RIC	\$ 11,833

#### Description:

- 1) Complete transportation planning-related submissions including invoices, budgets, audits, contracts and applications as required throughout the fiscal year.
- 2) Supervise daily transportation planning activities performed by RIC staff.
- 3) Continue to maintain a continuing, cooperative, and comprehensive (3-C) Planning Process.
- 4) Review and amend, as needed, all contracts and agreements which impact the transportation planning process.
- 5) Continue the Transportation Technical Advisory Committee activities in the transportation planning process.
- 6) Continue local transit coordination activities with KVRTA.
- 7) Conduct needed planning, monitoring and administrative review functions.
- 8) Maintain RIC's public participation process.

- 9) Develop coordination procedures with all transportation-related resource agencies.
- 10) Convene regular and special meetings of the RIC Policy Board for the purpose of discussing, debating and making decisions regarding regional transportation issues.
- 11) Support the State in performance-based planning and programming and target setting.

**Work Activities:**

- 1) Recommend transportation planning activities, policies, projects and priorities to the RIC Policy Board.
- 2) Maintain necessary staffing levels and provide staff training, as needed, to meet the demands of the transportation planning process.
- 3) Maintain records, reports, budgets, financial records and applications as needed.
- 4) Perform any other tasks necessary for compliance with the Infrastructure Investment and Jobs Act (IIJA), CAA, Title VI and Environmental Justice requirements.
- 5) Maintain technical committees (TTAC and ad hoc as necessary), including activities such as distributing meeting notices, minutes, planning study information, maintenance of membership, and orientation of members.
- 6) Provide information and education to the Transportation Technical Advisory Committee on RIC's ongoing transportation planning activities.
- 7) Prepare agendas, meeting notices, minutes, reports and special assignments to assist the public participation program. Develop procedures that comply with Title VI and Environmental Justice requirements.
- 8) Review grant applications for WVDOT's Transportation Alternatives and Recreational Trails Program. Assist local governments, as requested, in developing grant applications for transportation improvement projects. Provide grant administration for transportation improvement projects as requested.
- 9) Monitor, and coordinate with, all WVDOT transportation planning studies and any other transportation planning efforts by other agencies within the region.

- 10) Coordinate transportation planning activities with local, regional, and statewide resource agencies.
- 11) Continue to support the State in performance-based planning and programming and target setting. Attend meetings and trainings as needed for continued cooperation.
- 12) Maintain RIC's website and social media platforms to publish appropriate documents and notices.
- 13) Produce the "RIC Messenger" quarterly newsletter and the RIC Annual Report as part of RIC's public participation program.
- 14) Hold at least three (3) regular meetings and one (1) annual meeting of the RIC Policy Board: hold up to four (4) RIC Executive Committee meetings. Undertake all activities to establish, schedule, and hold said meetings, including publicity, records, and reports both before and after such meetings.

**Products:**

- 1) FY 2024 Budget and Unified Planning Work Program (UPWP)
- 2) Minutes and agendas of TTAC Meetings
- 3) Funding applications and financial records as required
- 4) A transportation planning process that supports adopted performance targets
- 5) Web-based transportation planning documents and notices
- 6) Three (3) issues of the "RIC Messenger" quarterly newsletter and one (1) RIC Annual Report
- 7) Agendas, minutes, and all meeting materials for RIC Policy Board meetings
- 8) RIC MPO Public Participation Plan Update
- 9) RIC MPO Title VI Plan Update

**301123 Long Range  
Transportation Plan**

DIRECT EXPENSES	Salaries	\$ 17,585
	Fringe Benefits	\$ 6,133
	Contracted Services	\$ -
	Travel	\$ -
	Printing	\$ -
	*Other	\$ 1,000
Total Direct		\$ 24,718
Indirect		\$ 6,546
Total		\$ 31,265

Element #	301123
Total Cost	\$ 31,265
Participating Agencies:	
FHWA	\$ 25,012
WVDOT	\$ 3,126
RIC	\$ 3,126

**Description:**

Throughout FY 2021, RIC staff continued the MTP update in conjunction with Kimley-Horn, which began in FY 2020. The current MTP was adopted by the RIC Policy Board on September 9, 2021. The MTP included a System Performance Report that is updated annually to document target setting and reflect progress toward attaining performance targets and the initiatives of Transportation Performance Management (TPM).

Work activities for FY 2023 involve the implementation of identified projects and/or studies contained within the MTP update. This also includes possible plan amendments or other requirements that may warrant plan amendments as set forth by the Infrastructure Investment and Jobs Act (IIJA).

**Work Activities:**

- 1) Review and recommended projects from current MTP and revise as necessary.
- 2) Determine financial feasibility of potential projects requiring further study.
- 3) Present the findings and recommendations contained within the current MTP to interested parties.

- 4) Ensure any plan amendments will conform to the Clean Air Act (CAA), as amended, and the State Implementation Plan (SIP), and will satisfy transportation conformity requirements.
- 5) Perform any other tasks necessary for compliance with the Infrastructure Investment and Jobs Act (IIJA), CAA, Title VI and Environmental Justice requirements.

## **Products**

- 1) Presentation of the findings and recommendations contained within the Final MTP to interested parties
- 2) Amendments to RIC Policy Board, FHWA, WVDOH, FTA, EPA, WVDEP, KVRTA
- 3) Transportation Conformity Determination for plan amendments
- 4) Continued Interagency Consultation (IAC) with Federal, State, and local planning entities
- 5) Perform any other tasks necessary for compliance with the IIJA/BIL, CAA and Title VI and Environmental Justice
- 6) Continued meaningful public involvement, expansion of web-based public participation opportunities to solicit feedback on programs, plans, and other planning products

**301223 Transportation Improvement Program (TIP)**

DIRECT EXPENSES	Salaries	\$ 17,585
	Fringe Benefits	\$ 6,133
	Contracted Services	\$ -
	Travel	\$ -
	Printing	\$ 1,000
	*Other	\$ 1,500
Total Direct		\$ 26,218
Indirect		\$ 6,546
Total		\$ 32,765

Element #	301223
Total Cost	\$ 32,765
Participating Agencies:	
FHWA	\$ 26,212
WVDOT	\$ 3,276
RIC	\$ 3,276

**Description:**

- 1) Advance candidate transportation projects for inclusion in the TIP.
- 2) Amend the TIP as needed, including adding new transportation improvement projects, as well as revising funding amounts and type, schedule, etc.
- 3) Maintain a database indicating the status of all highway and transit improvement projects included within the TIP.
- 4) Incorporate transportation performance measures and targets into the TIP and ensure that all TIP projects reflect performance-based planning.
- 5) Ensure RIC's TIP and all transportation projects contained within it comply with all requirements of the Clean Air Act (CAA), as amended and the State Implementation Plan (SIP).
- 6) Ensure RIC's TIP and all transportation projects contained within it comply with all Title VI and Environmental Justice requirements.

**Work Activities:**

- 1) Coordinate and receive candidate transportation improvement projects for inclusion in the TIP from the West Virginia Division of Highways, the Kanawha Valley

Regional Transportation Authority, the West Virginia Division of Public Transit and other agencies.

- 2) Update the TIP document, including the addition of amendments and adjustments.
- 3) Update RIC's TIP transportation improvement projects database as needed.
- 4) Provide proposed TIP amendments and accompanying project descriptions to RIC's Transportation Technical Advisory Committee (TTAC) and Policy Board for review and approval.
- 5) Follow all transportation conformity requirements for proposed TIP Amendments.
- 6) Review all proposed TIP amendments to ensure conformity with performance-based planning, Clean Air Act, Title VI and Environmental Justice requirements.
- 7) Perform any other tasks necessary for compliance with the Infrastructure Investment and Jobs Act (IIJA), CAA, Title VI and Environmental Justice requirements.
- 8) Publish legal notices within the Charleston Gazette-Mail advertising any proposed amendments to the TIP.
- 9) Prepare an annual list of approved transportation improvement projects obligated by WV DOT during the previous fiscal year.
- 10) Maintain currently adopted TIP document and amendments list on RIC's website.

**Products:**

- 1) TIP amendments, including new projects and administrative that support current performance targets
- 2) Adjusted TIP projects database as needed
- 3) Publish legal notices in Charleston Gazette-Mail as required
- 4) Annual list of state-obligated projects
- 5) Publication of quarterly RIC TIP amendments lists on RIC's website
- 6) Maintain web-based component of RIC's current TIP on RIC's website

## 301423 Short-Range Planning

DIRECT EXPENSES	Salaries	\$ 43,963
	Fringe Benefits	\$ 15,333
	Contracted Services	\$ 65,000
	Travel	\$ 500
	Printing	\$ 1,000
	*Other	\$ 500
Total Direct		\$ 126,296
Indirect		\$ 16,366
Total		\$ 142,662

Element #	301423
Total Cost	\$ 142,662
Participating Agencies:	
FHWA	\$ 114,130
WVDOT	\$ 14,266
RIC	\$ 14,266

### Description:

- 1) Provide transportation planning assistance and technical support to local governments within Kanawha and Putnam counties and to the Putnam County Transportation Committee.
- 2) Work in collaboration with the KYOVA Interstate Planning Commission MPO on the ongoing implementation and administration of the Congestion Management Plan and Process for the Putnam County portion of the Huntington TMA.
- 3) Work cooperatively with KYOVA and/or WVDOT on any transportation projects or plans that may impact or be located within the Putnam County portion of the Huntington TMA, as needed.
- 4) Continue implementation and integration of Transportation Performance Management (TPM) initiatives as required.
- 5) Work cooperatively with WVDOT to set and adopt all performance targets for the Charleston Metropolitan Planning Area. More specifically, coordinate with KYOVA and WVDOT to set performance targets related to On-Road Mobile Source Emissions Reduction.
- 6) Coordinate with RIC's Comprehensive Economic Development Strategy (CEDS) to ensure consistency between the CEDS and transportation projects and strategies.
- 7) Maintain a system performance report as part of RIC's Congestion Management Process.

- 8) Review a list of congestion "hot spot" locations within the region and determine if locations need to be added to or removed from the list.
- 9) Perform ongoing monitoring of the Kanawha and Putnam County highway transportation system through data analysis in order to determine congestion rates.

**Work Activities:**

- 1) Perform transportation planning assistance and technical support to local governments within Kanawha and Putnam counties and to the Putnam County Transportation Committee.
- 2) Administer and monitor the Putnam County portion of the Huntington TMA Congestion Management Process.
- 3) Perform work in cooperation with KYOVA on transportation projects or plans that may impact or be located within the Putnam County portion of the Huntington TMA. Prepare for the TMA Certification review that occurs every four years.
- 4) Implement and integrate Transportation Performance Management practices into the RIC transportation planning program as appropriate.
- 5) Assist in development of RIC's Comprehensive Economic Development Strategy (CEDS) to ensure consistency between the CEDS and transportation projects and strategies.
- 6) Prepare a state of the region's transportation system report as a part of RIC's Congestion Management Process.
- 7) Review a list of congestion "hot spot" locations within the region and determine if locations need to be added to or removed from the list.
- 8) Perform ongoing monitoring of the Kanawha and Putnam County highway transportation system through data analysis in order to determine congestion rates.
- 9) Perform tasks associated with the requirements of the Congestion Mitigation and Air Quality Improvement Program (CMAQ).
- 10) Perform any other tasks necessary for compliance with the Infrastructure Investment and Jobs Act (IIJA), CAA, Title VI and Environmental Justice requirements.

**Products:**

- 1) Transportation planning assistance and technical support to local governments within Kanawha and Putnam counties
- 2) Collaborative work with KYOVA on the Congestion Management Plan and Process for Putnam County portion of Huntington TMA
- 3) Collaborative work with KYOVA on transportation plans and studies for Putnam County portion of Huntington TMA
- 4) Transportation Performance Management (TPM) practices integration into the RIC transportation planning program
- 5) Comprehensive Economic Development Strategy (CEDS) transportation planning element and annual update
- 6) State of the region's transportation system report as a part of RIC's Congestion Management Process.
- 7) Updated Congestion "hot spot" location list
- 8) System monitoring of the roadway facilities in Kanawha and Putnam counties.

**301623 Transportation Database/  
Travel Demand Model/  
Geographic Information  
System (GIS)**

<b>DIRECT EXPENSES</b>	Salaries	\$ 32,972
	Fringe Benefits	\$ 11,500
	Contracted Services	\$ -
	Travel	\$ 5,500
	Printing	\$ -
	*Other	\$ 18,000
Total Direct		\$ 67,972
Indirect		\$ 12,275
Total		\$ 80,247

Element #	301623
Total Cost	\$ 80,247
Participating Agencies:	
FHWA	\$ 64,197
WVDOT	\$ 8,025
RIC	\$ 8,025

**Description:**

- 1) Maintain transportation database, including all current data required for travel demand model and other transportation planning activities.
- 2) Continue development of GIS system, including staffing, education, hardware, software, and data.
- 3) Maintain and improve the RIC's travel demand model as needed.
- 4) Maintain and update RIC's crash and traffic count database as needed.
- 5) Respond to census data, census data mapping, traffic count data and traffic count mapping requests from RIC staff, regional agencies, businesses, and the public.
- 6) Assist local governments with new data from the 2020 Decennial Census.
- 7) Provide GIS services and mapping to the Kanawha Valley Regional Transportation Authority (KVRTA).

**Work Activities:**

- 1) Continue the acquisition and updates of GIS base mapping for adequate presentation and analysis of transportation data, and other presentation data as required.
- 2) Continue staff training in GIS and travel demand model platforms.
- 3) Upgrade hardware and software components as needed.
- 4) Provide maps and data for RIC transportation planning activities and local governments as needed.
- 5) Incorporate accident, traffic volume and other transportation data into RIC's GIS.
- 6) Coordinate with the WVDOT on all regional and statewide GIS activities.
- 7) Provide GIS services and mapping to the Kanawha Valley Regional Transportation Authority (KVRTA).
- 8) Update the RIC multi-modal crash database to coordinate with performance measure reporting requirements, corridor or intersection studies, or as needed.
- 9) Update highway Average Daily Traffic (ADT) counts and provide traffic count data and traffic count maps for RIC staff, regional agencies, and the public as requested.
- 10) Work with WVDOT and municipalities to improve traffic count database.
- 11) Update census database and produce census data maps for RIC staff, regional agencies, and the public as requested.
- 12) Assist local governments with newly released data from the 2020 Decennial Census.
- 13) Perform any other tasks necessary for compliance with the Infrastructure Investment and Jobs Act (IIJA), CAA, Title VI and Environmental Justice requirements.

**Products:**

- 1) Improved base mapping as acquired
- 2) Additional GIS data layers as they become available or are developed by RIC staff
- 3) GIS services and mapping to the Kanawha Valley Regional Transportation Authority (KVRTA)
- 4) Mapping, geospatial analysis and data presentation support for the RIC MPO Public Participation Plan Update and RIC MPO Title VI Plan Update
- 5) Travel demand model output products as needed.
- 6) Updated crash databases
- 7) Updated roadway traffic count data and maps for RIC staff, regional agencies, and the public as requested
- 8) Updated census data reports and maps as requested by RIC staff, regional agencies, businesses, and the public

### 301723 General Transit Planning

DIRECT EXPENSES	Salaries	\$ 8,793
	Fringe Benefits	\$ 3,067
	Contracted Services	\$ -
	Travel	\$ -
	Printing	\$ -
	*Other	\$ 500
Total Direct		\$ 12,359
Indirect		\$ 3,273
Total		\$ 15,632

Element #	301723
Total Cost	\$ 15,632
Participating Agencies:	
FHWA	\$ 12,506
WVDOT	\$ 1,563
RIC	\$ 1,563

#### Description:

- 1) Provide long-term and short-term transit planning services to the Kanawha Valley Regional Transportation Authority (KVRTA) including transit performance-based planning.
- 2) Provide coordination, scheduling, hiring and training for personnel conducting surveys for KVRTA.
- 3) Provide public participation assistance to KVRTA by coordinating and hosting open house-style public outreach meetings within their service area.
- 4) Provide technical assistance to KVRTA including, but not limited to, mapping, GIS analysis and facilities location geocoding.
- 5) Provide assistance to KVRTA as needed for implementation of transit related transportation performance management strategies and targets.
- 6) Provide technical assistance to the WV Division of Public Transit (WVDPT) and regional paratransit providers.
- 7) Provide intergovernmental review of Section 5310 Capital Assistance grant applications within the region.
- 8) Provide a forum for coordination and communication among regional transit providers.

**Work Activities:**

- 1) Perform transit planning tasks for KVRTA as requested.
- 2) Coordinate surveys for KVRTA to analyze ridership trends and public opinion as requested. Coordinate with KVRTA and communities to relocate bus shelters and signs.
- 3) Coordinate and host two (2) public participation meetings for KVRTA at various locations within Kanawha County as requested.
- 4) Produce mapping and perform GIS analysis for KVRTA and regional paratransit agencies as requested.
- 5) Coordinate with KVRTA and WVDPT to set and adopt transit related performance targets. Ensure potential projects support achievement of performance targets.
- 6) Perform intergovernmental reviews of Section 5310 Capital Assistance grant applications within the RIC area.
- 7) Convene meetings of regional transit providers as needed to facilitate coordination and communication among them as needed.
- 8) Coordinate with the WV Division of Public Transit to produce or update the Coordinated Public Transit-Human Services Transportation Plan 2023.
- 9) Perform any other tasks necessary for compliance with the Infrastructure Investment and Jobs Act (IIJA), CAA, Title VI and Environmental Justice requirements.

**Products:**

- 1) General transit planning for KVRTA
- 2) KVRTA ridership survey and public meetings, and regional transit providers meetings as needed
- 3) Maps and GIS analysis for KVRTA and paratransit agencies as requested
- 4) Planning documents and projects that include and/or support performance targets.
- 5) Intergovernmental reviews of Section 5310 grant applications

### 301823 Special Studies

DIRECT EXPENSES	Salaries	\$ 39,566
	Fringe Benefits	\$ 13,800
	Contracted Services	\$145,000
	Travel	\$ 2,500
	Printing	\$ 1,000
	*Other	\$ 5,000
Total Direct		\$206,866
Indirect		\$ 14,729
Total		\$221,596

Element #	301823
Total Cost	\$ 221,596
Participating Agencies:	
FHWA	\$ 177,277
WVDOT	\$ 22,160
RIC	\$ 22,160

**Description:**

Perform subarea, corridor, intersection and/or other multimodal studies based upon recommendations from the most recent Metropolitan Transportation Plan, or by request or recommendation from a local community or WVDOT. Such a study might collect and analyze highway or other transportation system data, determine traffic patterns and/or signal timing, and identify problems or deficiencies. Potential improvements will be identified and evaluated through a data-driven screening process and final recommendations for improvement projects will be made based upon that process.

A recommendation from the current Kanawha-Putnam Bicycle and Pedestrian Plan is the continuation of the Bicycle and Pedestrian Advisory Committee (BPAC) to advise the RIC Policy Board on issues specifically related to bicyclists and pedestrians. During FY 2023, RIC transportation staff will continue to facilitate the regular meetings and activities of the BPAC to promote bicycle and pedestrian improvements throughout Kanawha and Putnam counties.

During FY 2022, RIC Staff will complete the Road Safety Assessments project. This project compiled crash data, stakeholder feedback, previous plans and studies, and public observations to identify high-priority locations within Kanawha and Putnam counties. The intersections, corridors, and segments identified through the completion of the previous Hazardous Intersection Study were utilized in combination with 2020

crash data to prioritize locations having significant safety deficiencies. RIC Staff worked with Burgess & Niple Inc. and local stakeholders to analyze and select four locations to study for safety countermeasures and recommendations to reduce crashes. In FY 2023, RIC staff will continue to update RIC's motorized and nonmotorized crash analyses as crash data becomes available to provide data-driven support for RIC's work activities during FY 2023.

RIC transportation planning staff will assess the existing transportation system and utilize various forms of data to develop a Vulnerable Road Users Safety Assessment. This assessment will feed into a Pedestrian Safety Action Plan which seeks to identify pedestrian safety deficiencies within the planning area.

**Work Activities:**

- 1) Convene regular meetings of RIC's Bicycle and Pedestrian Committee. Amend the Kanawha – Putnam Bicycle and Pedestrian Plan as needed.
- 2) Coordinate with WVDOH and assist communities with ADA Transition Plans to ensure compliance.
- 3) Coordinate with other agencies on bicycle and pedestrian activities, including WVDOT Transportation Alternatives and Recreational Trail grant applications.
- 4) Conduct studies and develop projects that promote the initiatives set forth by the Infrastructure Investment and Jobs Act (IIJA).

**Products:**

- 1) Technical assistance on ADA compliance: development of ADA Self-Evaluations and ADA transition plans
- 2) Technical assistance on bicycle and pedestrian activities and grant applications. Coordination with other agencies to promote bicycle and pedestrian improvements and complete grant applications
- 3) Vulnerable Road Users Safety Assessment
- 4) Pedestrian Safety Action Plan
- 5) Amendments of the Kanawha-Putnam Bicycle and Pedestrian Plan as needed