



DRAFT
FY 2019

**July 1, 2018 to
June 30, 2019**

Unified Planning Work Program

March 2018



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

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East-West Gateway Council of Governments (EWGCOG) hereby gives public notice that it is the policy of the agency to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI requires that no person in the United States of America, on the grounds of race, color, sex, or national origin, shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which EWGCOG receives federal financial assistance. Any person who believes they have been aggrieved by an unlawful discriminatory practice under Title VI has a right to file a formal complaint with EWGCOG. Any such complaint must be in writing and filed with EWGCOG's Title VI Coordinator within one hundred eighty (180) calendar days following the date of the alleged discriminatory occurrence. For more information, or to obtain a Title VI Nondiscrimination Complaint Form, please see EWGCOG's website at <http://www.ewgateway.org/titlevi/default.htm> or call (314) 421-4220 or (618) 274-2750.

The preparation of this Unified Program Working Program was financed in part through funds provided by the U.S. Department of Transportation, the Federal Highway Administration, and the Federal Transit Administration.

The East-West Gateway Council of Governments

The East-West Gateway Council of Governments (East-West Gateway, EWG, or the Council) provides a forum for local governments of the bi-state St. Louis area to work together to solve problems that cross jurisdictional boundaries. The geographic region that East-West Gateway has served since 1965 is the 4,500 square miles encompassed by the City of St. Louis; Franklin, Jefferson, St. Charles, and St. Louis counties in Missouri; Madison, Monroe, and St. Clair counties in Illinois.

East-West Gateway is the metropolitan planning organization (MPO) for the area, which means that the federal government and the states have vested legal authority and responsibility in the agency for developing and adopting plans for the region's surface transportation system. Any transportation project within the boundaries of the eight member counties that will be wholly or partially funded with federal dollars must be contained in plans that are formally adopted by the Board of Directors.

Transportation planning is not simply an exercise in design and engineering. It requires understanding and addressing the complex relationship between mobility and the region's economy, community, and ecology. Its final product is an evolving transportation investment strategy to serve the region's economic vitality and broad quality of life goals. For that reason, the tools of planning – many of which are referenced later in this document – include population and employment estimates, land use and transportation facility inventories and maps, environmental quality assessments, computer models of existing and future travel patterns, and activities to engage interest groups and community residents in setting priorities.

East-West Gateway's designation as a regional council of governments (COG) means that the agency has the civic responsibility to set the table for cooperative planning and problem-solving among and between any of its member local governments who believe that they can accomplish better things by working together than by acting separately. Although much of this cooperative planning takes place among the eight major jurisdictions of the region, it is not uncommon to find several small cities and towns clustered around a community betterment initiative at East-West Gateway. These initiatives address issues as diverse as environmental quality, public safety, workforce development, access to jobs, economic development, community planning, and others that might be of interest to members of the Board of Directors.

Introduction

This document specifies the work that the East-West Gateway Council of Governments expects to undertake in carrying out its mission in fiscal year (FY) 2019, between July 1, 2018, and June 30, 2019. Although the tasks and desired accomplishments before the agency are varied and diverse, the Unified Planning Work Program (UPWP) is the one document that is used to organize and unify all of the agency's work for the coming year.

The development of the UPWP creates an opportunity for the policy-makers on the Board of Directors, the agency's advisory committees, and our funding agencies to review and consider East-West Gateway's many discrete activities in the context of the whole. It also provides staff with a valuable management tool and is part of grant applications for several state and federal programs. While every effort is made to anticipate and prepare for the full 12 months of work each year when the UPWP is assembled, unexpected circumstances sometimes necessitate changes to the document outside the regular annual cycle. When funding has been clearly identified for any new activities, the Board is presented the opportunity to amend new work into the UPWP or sometimes revise existing activities as part of the monthly meetings.

Program and Functional Areas

The East-West Gateway staff members who carry out this work are grouped into five departments: Transportation Planning, Community Planning and Outreach, Research Services, Regional Security Planning, and Administration. Each department houses a strong mix of academic backgrounds and professional experiences. The complexity of our work frequently demands interdepartmental coordination, interdisciplinary research, and the considerable involvement of members of the affected public and constituent interest groups. Virtually none of the work elements contained in the FY 2019 UPWP can be properly implemented without a team effort.

The major planning and problem-solving functions to be performed during the year have been grouped under four broad headings: RESEARCH AND ANALYSIS, PLANNING, POLICY and COMMUNITY ENGAGEMENT AND LOCAL GOVERNMENT SERVICES. There are multiple sub-headings under the broader topics, usually consisting of a series of individual work elements. The work that cuts across agency departments is combined into work elements where staff from different departments will collaborate.

The work in RESEARCH AND ANALYSIS is designed to develop a sound factual basis for investment decisions for the region's surface transportation system and for the other systems and initiatives that contribute to the economic health and quality of life in the region. Work elements under RESEARCH AND ANALYSIS include one of the core analytical tools of transportation planning, the travel demand model. This model helps planners forecast future travel on the region's transportation system which informs where and how investments should be made. Other modeling will be conducted in land use, housing, population, and employment forecasts, all of which are key to transportation planning and for regional sustainable development planning. Also included is the management of regional information systems, like the agency wide database and geographic information system (GIS). We are continuing work on regional competitiveness, and provide

support to member local governments and agencies through dissemination of research and updated data.

The PLANNING section of the UPWP includes the largest number of staff from the widest array of departments within the agency. Transportation, environmental, and regional security planning are all included here. Within transportation planning there is corridor and long-range planning, the Transportation Improvement Program, safety programs, and multimodal transportation planning, as well as discrete projects like the Great Streets Initiative. Some of the transportation planning activities described here will be completed during FY 2019, and some of them will continue into future fiscal years. Under the subsection of Regional Development and Sustainability, staff will work on an ecological initiative, air and water quality issues, and integration and implementation of the OneSTL priorities into our overall planning activities. The agency continues to work on regional security planning with the St. Louis Area Regional Response System (STARRS).

The work in POLICY represents an assortment of research and policy activities, many of which cut across discrete programmatic lines. There are two key areas of policy analysis for the upcoming year: transportation finance and regional competitiveness. Transportation finance is an ongoing issue of concern, given the uncertainty of future funding and the continuing needs for infrastructure in the metropolitan region. Promotion of the economic health and vitality of the region is a key element of the agency's mission and regional competitiveness is the work element that describes discrete efforts to support work on strengthening the metropolitan economy, although such work is woven throughout the work program in a variety of areas.

All of the work in the agency is informed by the staff's efforts in public involvement and COMMUNITY ENGAGEMENT. Transportation planning, community development, economic development, local government support, and regional security all require a substantial amount of education and outreach to citizens and member governments. The work in COMMUNITY ENGAGEMENT also seeks to obtain responses and feedback from the public to help shape the work the agency does and, ultimately, the policies formed by the Board of Directors. To obtain public input into the UPWP, for example, it has been made available for public comment on the agency's website, with an e-mail address to which comments may be sent. Staff has informed all of the standing committees of the draft to obtain their comments as well. All of the comments will be considered before its final adoption. Working committees in key areas provide advice and input to staff on a regular basis. A list of these committees and their current members is included as Appendix D.

In addition to these broad program areas, there are several in-house functions that inform and assist across the agency. These activities include many of the nuts-and-bolts of regional planning: information management, information systems implementation, and program administration. These are cross-cutting functions within the agency, the results of which appear in many of the products generated under other areas.

Federal legislation outlines eight factors what should inform the metropolitan transportation planning process. Briefly, these planning factors are:

- Economic vitality
- Safety
- Security
- Accessibility and mobility
- Environmental protection, energy conservation, quality of life, and the transportation/land use/development linkage
- Integration and connectivity
- Management and operations
- System preservation

These planning factors are fully encompassed within the ten guiding principles of the region's long-range transportation plan, which provides the framework for most of the Council's planning activities. Correspondingly, many of the UPWP work elements either address one or more of the federal planning factors or provide the underlying data needed for analysis. For example, an element such as the Regional Decisions Support Systems supplies the socioeconomic and demographic information necessary for the evaluation of transportation system performance, economic and land use changes, and environmental impacts. Elements such as Coordinated Human Services Transportation Planning, Integrated Transportation Systems Management, and Ecological Approach to Infrastructure Development focus more directly on discrete planning factors, while the Long-Range Planning and Transportation Improvement Program elements focus on integrating the planning factors.

As well as reflecting the federal factors, UPWP elements also address regional planning priorities, which are best expressed in the ten principles contained in the region's long-range transportation plan, *Connected2045*.

- Preserve and maintain the existing systems
- Support public transportation
- Support neighborhoods and communities throughout the region
- Foster a vibrant downtown
- Provide more transportation choices
- Promote safety and security
- Support a diverse economy throughout the region
- Support quality job development
- Strengthen intermodal connections
- Link transportation planning to housing, environment, education, and energy

The sections that follow describe each of the work program elements in more detail. Unless otherwise noted, all of the activities described in each work program element are to be completed by East-West Gateway staff. If another agency is responsible or a consultant will be doing some or all of the work, it will be noted.

Funding

The work contained in this document is supported by financial grants and in-kind resources from federal, state, and local government sources, as well as private foundations and East-West Gateway surplus funding. The local cash is provided by member local governments at a rate of 12.5 cents per capita annually.

East-West Gateway submits this UPWP to our funding agencies as a commitment to fulfill our legal obligations as the region's designated MPO, and to our local governments and the public as a commitment to do all we can to enhance quality of life as the region's COG. The program is ambitious as we strive to meet the needs of our region, and the agency asks the two states and our member governments to continue providing funds to support the metropolitan planning process. All programs are subject to revision, should conditions or funding change.

LIST OF ACRONYMS

AQAC	- Air Quality Advisory Committee
AQI	- Air Quality Index
ASPR	- U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness & Response
CDBG	- Community Development Block Grant
CHSTP	- Coordinated Human Service Transportation Planning
CMP	- Congestion Management Process
COG	- Council of Governments
CPG	- Consolidated Planning Grant
DBE	- Disadvantaged Business Enterprise
DHS	- U.S. Department of Homeland Security
EAC	- Executive Advisory Committee
EPA	- U. S. Environmental Protection Agency
EWG	- East-West Gateway Council of Governments
FAST	- Fixing America’s Surface Transportation Act
FEMA	- Federal Emergency Management Agency
FHWA	- Federal Highway Administration
FTA	- Federal Transit Administration
FY	- Fiscal Year
GIS	- Geographic Information System
HUD	- U.S. Department of Housing and Urban Development
IDOT	- Illinois Department of Transportation
IEPA	- Illinois Environmental Protection Agency
ITS	- Intelligent Transportation System
M&O	- Management and Operations
MARC	- Mid-America Regional Council
MoDED	- Missouri Department of Economic Development
MoDHSS	- Missouri Department of Health and Senior Services
MoDNR	- Missouri Department of Natural Resources
MoDOT	- Missouri Department of Transportation
MO OHS	- Missouri Office of Homeland Security
MOVES	- Motor Vehicle Emission Simulator
MPO	- Metropolitan Planning Organization
OneSTL	- The St. Louis Region’s Plan for Sustainable Development
PL	- Metropolitan Area Transportation Planning Funds
PMP	- Program Management Plan
PPA	- Public Policy Administration
REF	- Regional Environmental Framework
SIP	- State Implementation Plan
SLACMA	- St. Louis Area City Managers Association
SNAP	- Supplemental Nutrition Assistance Program
STARRS	- St. Louis Area Regional Response System

LIST OF ACRONYMS
(continued)

STP	-	Surface Transportation Program
SWICMA	-	Southwestern Illinois City Management Association
TBD	-	To Be Determined
THIRA	-	Threat and Hazard Identification and Risk Assessment (THIRA)
TIP	-	Transportation Improvement Program
TPC	-	Transportation Planning Committee
UASI	-	Urban Areas Security Initiative
UMSL	-	University of Missouri - St. Louis
UPWP	-	Unified Planning Work Program
USDA	-	U.S. Department of Agriculture

FUNDING CHART

FY2019 FUNDING SUMMARY CHART
NEW FUNDING IN UPWP FY 2019 PERIOD

WORK ELEMENT	STATE and LOCAL						FEDERAL					
	EWG	IDOT	MODOT	OTHER ³	TRANSPORTATION PLNG FUNDS		OTHER	Agency	TOTAL			
					Amount	Agency						
1.01 : Regional Travel Demand Modeling	\$ 68,021	\$ 34,980	\$ -	\$ -	\$ 417,079	\$ 139,920	\$ -	\$ -	\$ 660,000			
1.05 : Geographic Information Systems	27,621	14,204	-	-	169,359	56,816	-	-	268,000			
1.06 : Information Management and Services	44,317	22,790	-	-	271,733	91,160	-	-	430,000			
1.12 : Regional Decisions Support Systems	43,801	22,525	-	-	268,574	90,100	-	-	425,000			
2.01 : Integrated Transportation Systems Management	22,674	11,660	-	-	139,026	46,640	-	-	220,000			
2.03 : Transportation Improvement Program and Project Monitoring	43,698	22,472	-	-	267,942	89,888	-	-	424,000			
2.04 : Transportation Planning Data Collection and Analysis - MODOT	-	-	257,686	-	-	-	-	-	257,686			
2.05 : Transportation Safety Initiative	7,008	3,604	-	-	42,972	14,416	-	-	68,000			
2.06 : Drive for Tomorrow Program	7,400	-	17,000	-	97,600	-	-	-	122,000			
2.07 : Transit System Planning and Development (Metro)	400	10,000	-	29,600	120,000	40,000	-	-	200,000			
2.09 : Transportation Planning Work Program Administration	4,741	2,438	-	-	29,069	9,752	-	-	46,000			
2.10 : MoDOT Traffic Engineering Assistance Program	-	-	-	5,962	-	-	23,848	FHWA/MoDOT	29,810			
2.11 : Multimodal Transportation Planning	23,910	12,296	-	-	146,610	49,184	-	-	232,000			
2.12 : Great Streets Initiative - Illinois	-	25,388	-	-	540,000	101,552	-	-	126,940			
2.13 : Great Streets Initiative	35,000	-	-	100,000	-	-	-	-	675,000			
2.17 : Transportation Corridor & Subarea Planning-Missouri	22,575	-	-	-	138,425	-	-	-	161,000			
2.19 : Long-Range Transportation Planning	43,801	22,525	-	-	268,574	90,100	-	-	425,000			
2.21 : Ecological Approach to Infrastructure Development	12,110	6,228	-	-	74,252	24,910	-	-	117,500			
2.25 : Southwestern I/Flood Prevention Dist Management	-	-	-	215,000	-	-	-	-	215,000			
2.32 : Air Quality Coordination	-	-	-	18,866	-	-	51,729	EPANMOIL	70,595			
2.34 : Missouri Regional 208 Water Quality Management Planning	-	-	-	-	-	-	20,000	EPAN/DNR	20,000			
2.35 : Watershed Planning - Lower Meramec	-	-	-	50,000	-	-	75,000	EPAN/DNR	125,000			
2.38 : Community Building	46,275	23,797	-	-	283,740	95,188	-	-	449,000			
2.39 : Update All Hazard Mitigation Plan - Missouri	32,250	-	-	-	-	-	96,750	FEM/SEMMA	129,000			
2.42 : Sustainable Communities Plan Implementation	-	-	-	45,000	-	-	45,000	HUD/EPADOT	90,000			
2.61 : Urban Area Security Initiative	-	-	-	25,000	-	-	2,691,400	FEM/AMO/OHS	2,691,400			
2.66 : St. Louis Area Regional Response Support	-	-	-	-	-	-	353,881	ASFR/DHSS	353,881			
2.88 : Bioterrorism Preparedness for Hospitals	-	-	-	-	-	-	-	-	25,000			
3.01 : Transportation Finance	2,370	1,219	-	-	14,535	4,876	-	-	23,000			
3.06 : Regional Competitiveness	33,698	17,278	-	-	206,012	69,112	-	-	326,000			
4.01 : Community Engagement - Public Involvement	29,811	15,330	-	-	182,788	61,321	-	-	289,250			
4.11 : Local Government Partnership	7,214	3,710	-	-	44,236	14,840	-	-	70,000			
4.97 : Local Government Assistance	25,000	-	-	-	-	-	-	-	25,000			
Total	\$ 563,595	\$ 272,444	\$ 274,686	\$ 489,428	\$ 3,722,526	\$ 1,089,775	\$ 3,357,608		\$ 9,790,062			

¹ Represents total planning funds programmed. MoDOT transfers EWG's FTA Section 5305 (d) funds to FHWA. The funds are then combined into a single award (Consolidated Planning Grant). The estimated FFY18 FHWA and FTA Section 5305(d) pass through is \$2,369,305 and \$894,951, respectively. The total programmed amount includes unspent funds from prior years.

² Federal funding passed through IDOT: FHWA planning funds \$635,083; FTA planning funds \$254,692.

³ See next page for funding detail.

FY2019 FUNDING SUMMARY CHART

ESTIMATED FUNDING CARRYOVER FROM MULTI-YEAR AWARDS ACTIVE IN UPWP YEAR 2018

WORK ELEMENT	STATE and LOCAL						FEDERAL				TOTAL
	EWSGCC	IDOT	MODOT	OTHER	TRANSPORTATION PLNG FUNDS		AMOUNT	OTHER			
					MODOT	OTHER		AMOUNT	AGENCY		
2.14 : MetroLink System-Wide Security Assessment				697,250					2,789,000	FTA/BSDA	3,486,250
2.15 : Coordinated Human Service Transportation Planning									55,630	FTA/BSDA	55,630
2.16 : Northside-Southside TOD Pilot Study				155,722					374,278	FTA/BSDA	530,000
2.18b : St. Louis County MetroLink Corridors Conceptual Design (St. Louis County)				3,000,000							3,000,000
2.32 : Air Quality Coordination				4,716						EPA/MDNR	8,899
2.45 : Missouri Nutrition Incentive Program	22,625								67,875	USDAM/MARC	90,500
2.81 : Urban Area Security Initiative									3,487,028	FEMA/MCO OHS	3,487,028
2.90 : Complex Coordinated Terrorist Attack Grant Program									1,430,043	FEMA	1,430,043
Total Estimated Carryover Funding From Multi-Year Awards	\$ 22,625	\$ -	\$ -	\$ 3,857,688	\$ -	\$ -	\$ -	\$ -	\$ 8,208,037		\$ 12,088,350
Total Estimated New Funding Awards FY2019 (from pg xv)	593,595	272,444	274,686	489,428	3,722,526	1,089,775			3,357,608		9,790,062
Grand Total Estimated Funding Awards Available for FY 2019 (July 1 - June 30)	\$ 606,220	\$ 272,444	\$ 274,686	\$ 4,347,116	\$ 3,722,526	\$ 1,089,775			\$ 11,565,645		\$ 21,878,412

DETAIL OF STATE & LOCAL - OTHER FUNDING

WORK ELEMENT	Other	Source
2.07 : Transit System Planning and Development (Metro)	29,600	BSDA
2.10 : MoDOT Traffic Engineering Assistance Program	5,962	KIRKWOOD, MO \$2,000; ST. CLAIR, MO \$1,962; ST. PETERS, MO \$2,000
2.13 : Great Streets Initiative	100,000	LOCAL SOURCE TO BE DETERMINED \$100,000
2.25 : Southwestern II Flood Prevention Dist Management	215,000	SOUTHWESTERN FLOOD PREVENTION DISTRICT COUNCIL
2.32 : Air Quality Coordination	18,866	MODNR
2.35 : Watershed Planning- Lower Meramec	50,000	TBD
2.42 : Sustainable Communities Plan Implementation	45,000	TBD
2.86 : St. Louis Area Regional Response Support	25,000	STARRS
Subtotal per New Funding in UPWP FY2018	\$ 489,428	
ESTIMATED CARRYOVER FUNDING FROM MULTI-YEAR AWARDS ACTIVE IN UPWP 2018 (FROM ABOVE TABLE)		
2.14 : MetroLink System-Wide Security Assessment	697,250	BSDA
2.16 : Northside-Southside TOD Pilot Study	155,722	BSDA \$74,687; ST. LOUIS DEV CORP \$49,591; CITY OF ST. LOUIS \$31,444
2.18b : St. Louis County MetroLink Corridors Conceptual Design (St. Louis County)	3,000,000	ST. LOUIS COUNTY
2.32 : Air Quality Coordination	4,716	MODNR
Subtotal - Other Funding per Carryover Funding From Multi-Year Awards in UPWP FY2018	\$ 3,857,688	
Grand Total - Other Funding	\$ 4,347,116	

SUMMARY OF ESTIMATED EXPENDITURES FOR NEW FY 2019 FUNDING

WORK ELEMENT	Estimated Expenditures				
	Personnel	Other direct*	Indirect**	Contractual Services	Total
1.01 : Regional Travel Demand Modeling	\$ 449,008	\$ 35,385	\$ 175,607	\$ -	\$ 660,000
1.05 : Geographic Information Systems	184,145	11,836	72,019	-	268,000
1.06 : Information Management and Services	305,628	4,840	119,532	-	430,000
1.12 : Regional Decisions Support Systems	283,289	12,917	110,794	13,000	425,000
2.01 : Integrated Transportation Systems Management	156,193	2,720	61,087	-	220,000
2.03 : Transportation Improvement Program and Project Monitoring	294,084	14,900	115,016	-	424,000
2.04 : Transportation Planning Data Collection and Analysis - MODOT	257,686	-	-	-	257,686
2.05 : Transportation Safety Initiative	46,510	3,300	18,190	-	68,000
2.06 : Drive for Tomorrow Program	26,328	375	10,297	85,000	122,000
2.07 : Transit System Planning and Development (Metro)	-	-	-	200,000	200,000
2.09 : Transportation Planning Work Program Administration	25,879	10,000	10,121	-	46,000
2.10 : MoDot Traffic Engineering Assistance Program	-	-	-	29,810	29,810
2.11 : Multimodal Transportation Planning	151,715	5,950	59,335	15,000	232,000
2.12 : Great Streets Charrette - Illinois	33,455	5,400	13,085	75,000	126,940
2.13 : Great Streets Initiative	121,990	5,300	47,710	500,000	675,000
2.17 : Transportation Corridor & Subarea Planning-Missouri	112,781	4,110	44,109	-	161,000
2.19 : Long-Range Transportation Planning	297,711	10,855	116,434	-	425,000
2.21 : Ecological Approach to Infrastructure Development	76,177	11,530	29,793	-	117,500
2.25 : Southwestern II Flood Prevention Dist Management	154,194	500	60,306	-	215,000
2.32 : Air Quality Coordination	50,072	940	19,583	-	70,595
2.34 : Missouri Regional 208 Water Quality Management Planning	14,377	-	5,623	-	20,000
2.35 : Watershed Planning- Lower Meramec	88,624	1,716	34,660	-	125,000
2.38 : Community Building	305,395	4,165	119,440	20,000	449,000
2.39 : Update All Hazard Mitigation Plan - Missouri	91,943	1,098	35,959	-	129,000
2.42 : Sustainable Communities Plan Implementation	60,869	325	23,806	5,000	90,000
2.81 : Urban Area Security Initiative	883,173	1,206,368	345,409	255,450	2,681,400
2.86 : St. Louis Area Regional Response Support	16,318	2,300	6,382	-	25,000
2.88 : Bioterrorism Preparedness for Hospitals	174,400	32,498	66,208	73,775	353,881
3.01 : Transportation Finance	16,120	575	6,305	-	23,000
3.06 : Regional Competitiveness	225,550	12,237	86,213	-	326,000
4.01 : Community Engagement - Public Involvement	204,777	4,385	80,088	-	289,250
4.11 : Local Government Partnership	41,380	2,437	16,183	10,000	70,000
4.97 : Local Government Assistance	13,884	5,965	5,351	-	25,000
Total	\$ 5,163,455	\$ 1,414,927	\$ 1,918,645	\$ 1,293,035	\$ 9,790,062

* Other direct includes printing, software licensing, travel, equipment acquisition, etc.

** Applied based on personnel costs.

FY 2019 SUPPLEMENTAL FUNDING INFORMATION FOR NEW FUNDING
DETAIL OF PLANNING PROGRAM BY STATE (FHWA PL AND FTA SEC 5305(d))

WORK ELEMENT	MODOT CPG FUNDS	PARTICIPATION PERCENTAGE	IDOT PLANNING FUNDS	PARTICIPATION PERCENTAGE
1.01: Regional Travel Demand Modeling	417,079		139,920	
1.05: Geographic Information Systems	169,359		56,816	
1.06: Information Management and Services	271,733		91,160	
1.12: Regional Decisions Support Systems	288,574		90,100	
2.01: Integrated Transportation Systems Management	139,026		46,640	
2.03: Transportation Improvement Program and Project Monitoring	267,942		89,888	
2.05: Transportation Safety Initiative	42,972		14,416	
2.06: Drive for Tomorrow Program	97,600			
2.07: Transit System Planning and Development (Metro)	120,000		40,000	
2.09: Transportation Planning Work Program Administration	29,069		9,752	
2.11: Multimodal Transportation Planning	146,610		49,184	
2.12: Great Streets Charrette - Illinois			101,552	
2.13: Great Streets Initiative	540,000		-	
2.17: Transportation Corridor & Subarea Planning-Missouri	138,425		-	
2.19: Long-Range Transportation Planning	268,574		90,100	
2.21: Ecological Approach to Infrastructure Development	74,252		24,910	
2.38: Community Building	283,740		95,188	
3.01: Transportation Finance	14,535		4,876	
3.06: Regional Competitiveness	206,012		69,112	
4.01: Community Engagement - Public Involvement	182,788		61,321	
4.11: Local Government Partnership	44,236		14,840	
Total Federal Funds	3,722,526	80.00%	1,089,775	80.00%
Match - EWG	526,345	11.31%		0.00%
Match - State	17,000	0.37%	272,444	20.00%
Match - Other	129,600	2.78%		0.00%
TOTAL EWG Cost of FY 2019 Transportation Planning Program	\$ 4,395,471		\$ 1,362,219	
2.04: Value of MODOT "Direct Cost" Metropolitan Planning Activity	257,686	5.54%		
Total Value of Transportation Planning Work Elements	\$ 4,653,157	100.00%	\$ 1,362,219	100.00%

Available Funding

Funds passed through MoDOT: East-West Gateway estimates that \$8,990,000 will be available in Consolidated Planning Grant funds, through the Missouri Department of Transportation, for the program year beginning July 1, 2018. This estimate is based on the projected unspent funds available from prior years plus EWG's FFY18 allocation of planning funds. In addition, during the year we estimate that additional planning funds from FFY 2019 approximating \$3,258,000 will become available.

The financial stability of the Council is largely dependent upon federal and state planning funds. EWG's ability to maintain a healthy planning funds balance provides some stability if current funding is delayed or reduced. In addition, the funds can be drawn upon to supplement our normal activities with exceptional work that the Council needs to periodically conduct to meet federal requirements. For example, conducting an extensive travel survey to update our travel demand model or undertaking an update to our land-use modeling would not be possible without a substantial balance from the prior years.

Funds passed through IDOT: IDOT does not allow the MPO to use prior year balances for the FHWA and FTA metropolitan planning funds. IDOT has provided a funding mark for EWG of \$1,089,787 from the FY2018 apportionment. Our estimated expenditures are based on this assumption.

Local Funds: EWG will have adequate match available accumulated per capita contributions and TIP fees. We've estimated that \$526,345 will be required to match the new funding and an additional \$25,000 will be required for local government assistance activities.

FY 2019 SUPPLEMENTAL INFORMATION FOR NEW FUNDING

Detail of IDOT Planning Funds

WORK ELEMENT	IDOT		FEDERAL TRANS. PLANNING FUNDS TOTAL	METROPOLITAN PLANNING FUNDS and Other IDOT Match	FEDERAL PLUS MATCH
	FHWA (PL)	FTA Sec 5305(d)			
1.01 Regional Travel Demand Modeling	108,240	31,680	139,920	34,980	174,900
1.05 Geographic Information Systems	43,952	12,864	56,816	14,204	71,020
1.06 Information Management and Services	70,520	20,640	91,160	22,790	113,950
1.12 Regional Decisions Support Systems	69,700	20,400	90,100	22,525	112,625
2.01 Integrated Transportation Systems Management	36,080	10,560	46,640	11,660	58,300
2.03 Transportation Improvement Program and Project Monitoring	69,536	20,352	89,888	22,472	112,360
2.05 Transportation Safety Initiative	11,152	3,264	14,416	3,604	18,020
2.07 Transit System Planning and Development (Metro)	0	40,000	40,000	10,000	50,000
2.09 Transportation Planning Work Program Administration	7,544	2,208	9,752	2,438	12,190
2.11 Multimodal Transportation Planning	38,048	11,136	49,184	12,296	61,480
2.12 Great Streets Charrette - Illinois	101,552	0	101,552	25,388	126,940
2.19 Long-Range Transportation Planning	69,700	20,400	90,100	22,525	112,625
2.21 Ecological Approach to Infrastructure Development	19,270	5,640	24,910	6,228	31,138
2.38 Community Building	73,636	21,552	95,188	23,797	118,985
3.01 Transportation Finance	3,772	1,104	4,876	1,219	6,095
3.06 Regional Competitiveness	53,464	15,648	69,112	17,278	86,390
4.01 Community Engagement - Public Involvement	47,437	13,884	61,321	15,330	76,651
4.11 Local Government Partnership	11,480	3,360	14,840	3,710	18,550
Total	\$835,083	\$254,692	\$1,089,775	\$272,444	\$1,362,219

FY 2019 SUPPLEMENTAL FUNDING INFORMATION FOR NEW FUNDING
Detail of MODOT Planning Funds

	WORK ELEMENT	MODOT CPG FUNDS	STATE & LOCAL PARTICIPATION	(Missouri Portion) ELEMENT TOTAL
1.01	Regional Travel Demand Modeling	417,079	68,021	485,100
1.05	Geographic Information Systems	169,359	27,621	196,980
1.06	Information Management and Services	271,733	44,317	316,050
1.12	Regional Decisions Support Systems	268,574	43,801	312,375
2.01	Integrated Transportation Systems Management	139,026	22,674	161,700
2.03	Transportation Improvement Program and Project Monitoring	267,942	43,698	311,640
2.05	Transportation Safety Initiative	42,972	7,008	49,980
2.06	Drive for Tomorrow Program	97,600	24,400	122,000
2.07	Transit System Planning and Development (Metro)	120,000	30,000	150,000
2.09	Transportation Planning Work Program Administration	29,089	4,741	33,810
2.11	Multimodal Transportation Planning	146,610	23,910	170,520
2.13	Great Streets Initiative	540,000	135,000	675,000
2.17	Transportation Corridor & Subarea Planning-Missouri	138,425	22,575	161,000
2.19	Long-Range Transportation Planning	268,574	43,801	312,375
2.21	Ecological Approach to Infrastructure Development	74,252	12,110	86,362
2.38	Community Building	283,740	46,275	330,015
3.01	Transportation Finance	14,535	2,370	16,905
3.06	Regional Competitiveness	206,012	33,598	239,610
4.01	Community Engagement - Public Involvement	182,788	29,811	212,599
4.11	Local Government Partnership	44,236	7,214	51,450
	TOTAL EWG Cost of FY 2017 Transportation Planning Program	\$ 3,722,526	\$ 672,945	\$ 4,395,471
2.04	Value of MODOT "Direct Cost" Metropolitan Planning Activity ¹		257,686	257,686
	Total Value of Transportation Planning Work Elements (Missouri Portion)	\$ 3,722,526	\$ 930,631	\$ 4,653,157

RESEARCH AND ANALYSIS

Total budgeted for this program area: \$1,783,000

RESEARCH AND ANALYSIS

Background

As the regional COG, the agency pursues research and analysis initiatives in order to better understand and monitor issues identified as important to the fiscal, economic and social well-being of the region. The work elements under research and analysis support a variety of regional functions of the agency: from the update of the Metropolitan Transportation Plan, to demand forecasts for transit and air quality analyses, to performing scenario analyses to evaluate future demographic, socioeconomic, and environmental conditions.

As the MPO for the region, East-West Gateway depends on several types of analysis and research to fulfill its obligations related to transportation planning. These include regional travel demand modeling as well as analyses of socioeconomic and demographic trends, forecasts, and monitoring of ongoing development activities. These work elements support the agency's role to continually improve its capacity to perform modeling, forecasting, and statistical analysis.

In addition to the day-to-day research and analysis performed by staff there are underlying regional information systems that must be in place within the agency to meet these research needs. By anticipating the need for specific information and having the technological capacity to collect, analyze, and disseminate information, agency staff provides the information necessary to support regional decision-making in a timely and strategic manner.

The four work elements described in this section represent the agency's efforts to increase our understanding of the socioeconomic and transportation trends and future needs facing our region.

Regional Information Systems

Regional Travel Demand Modeling and System Evaluation – An important technical component of the regional planning process is the travel demand model. Demand modeling enables the agency to forecast future travel and evaluate the efficiency and effectiveness of the transportation system and proposed improvements. In the upcoming year, the agency will continue to maintain and enhance existing model sets and ensure that the transit model meets all criteria established by the Federal Transit Administration (FTA) for New/Small Starts capital projects. Work will also continue to develop analytical methods that better evaluate the performance of the transportation system and individual projects relative to mobility, accessibility, land use, economic growth, and the natural environment. The travel demand model will also support annual conformity determinations related to both short and long-range transportation plans. Traffic forecasts are also provided to state and local agencies for use in their own studies.

GIS Implementation – This work element provides the framework for the development and management of a regional Geographic Information System (GIS), by focusing on the acquisition and management of numerous data sets that are essential to regional analyses. The element is “needs-based” and includes necessary and collaborative efforts with local, state and federal

agencies to acquire, maintain, and distribute the spatial data that is essential to an effective regional and transportation planning function.

Information Management & Services – This work element provides the basic computer and telecommunications services necessary for the day-to-day operations of the agency.

Research Services

Regional Decisions Support Systems – The focus here is the collection and analysis of socioeconomic and demographic information to support planning activities of internal staff and agency members. Central to this purpose is the continual acquisition and processing of multiple data sets focusing on information necessary for measuring transportation system performance, as well as socioeconomic, demographic, land use, and environmental analyses. Additionally, staff will continue to develop and analyze potential land use scenarios in support of the agency's transportation planning function. Staff will continue to provide data and technical assistance to a broad array of users.

Summary of Estimated Costs for Functional Area:

1.01 Regional Travel Demand Modeling	\$660,000
1.05 GIS Implementation	268,000
1.06 Information Management and Services	430,000
1.12 Regional Decisions Support Systems	425,000
Total	\$1,783,000

REGIONAL TRAVEL DEMAND MODELING AND SYSTEM EVALUATION

1.01

Activities:

1. Maintain and update technical documentation of TransEval, which is East-West Gateway's regional travel demand model, and its applications.
2. Build internal capacity and skills for operating the updated regional travel demand model and its procedures.
3. Enhance professional development by working collaboratively on various research activities and projects with local planning partners and research entities, participating in professional conferences, and enhancing modeling skills.
4. Prepare travel demand forecasts for the Transportation Improvement Program (TIP) and Regional Transportation Plan (RTP).
5. Conduct the Regional Emission Analysis for air quality conformity determination for the Regional Transportation Plan (RTP) and Transportation Improvement Program (TIP).
6. Prepare the outputs of TransEval to work with the new Environmental Protection Agency (EPA) air quality model Motor Vehicle Emission Simulator (MOVES2014a), and ensure data integration and process automation.
7. Develop and enhance internal capacity for using the latest EPA approved air quality emissions model MOVES 2014a, which is the latest version available and mandated for use from October 2016.
8. Develop updated input files for use in the latest EPA approved air quality emissions model MOVES 2014a.
9. Refine Congestion Mitigation and Air Quality (CMAQ) project evaluation tool using outputs from the EPA MOVES air quality model to include the latest needs.
10. Provide modeling support for local and regional planning efforts.
11. Research, develop, and test model-based transportation performance evaluation tools and techniques for use in corridor-level and long-range planning.
12. Enhance internal procedures for performance measure monitoring, in line with Fixing America's Surface Transportation (FAST) Act requirements.
13. Update the functional classification network and maps.

REGIONAL TRAVEL DEMAND MODELING AND SYSTEM EVALUATION
1.01

Products/Outcomes:

- A. Travel demand forecasts and analyses to support the RTP, TIP, and planning studies
(ongoing)
- B. Regional Emissions Analysis for conformity determination using EPA air quality model
MOVES *(ongoing)*
- C. Compilation of system performance evaluation methods *(ongoing)*
- D. Updates to functional classification networks *(ongoing)*

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$417,079
IDOT	139,920
Subtotal	<u>\$556,999</u>

Local:

EWG	\$68,021
IDOT	34,980
Subtotal	<u>\$103,001</u>
TOTAL	<u><u>\$660,000</u></u>

GEOGRAPHIC INFORMATION SYSTEMS IMPLEMENTATION

1.05

Activities:

1. Provide the technical expertise, oversight, and training resources necessary to maintain and enhance an open and adaptive Geographic Information Systems (GIS) in support of the regional transportation planning functions of the agency that require GIS in general, and mapping in particular.
2. Continue to support agency staff and member jurisdictions in developing coordinated plans for transportation.
3. Support the Missouri GIS Advisory Committee and their local government subcommittees.
4. Support to regional and subregional GIS maps and data for regional community and transportation planners.
5. Support efforts to identify, acquire, update and convert transportation, environmental, land use, and other data sets from a variety of external sources.
6. Continue to incorporate the newest orthoimagery and aerial photography into the GIS.
7. Support collaborative regional data development efforts.
8. Support efforts to monitor and track changes in generalized regional land use and develop methods for acquiring and creating a detailed regional land use database including the use of local data from member jurisdictions in support of planning under the Fixing America's Surface Transportation (FAST) Act.
9. Work with agency departments and personnel to lend guidance and technical assistance in maintaining quality control and standards for agency GIS publications, presentations, forums, and public outreach.
10. Support regional planning by providing technical expertise and oversight for GIS data development, and developing comprehensive transportation, environmental, and land use data sets for the region.
11. Create and provide data, maps, and program / project information, as needed.

Products/Outcomes:

- A. Improved GIS applications/templates (*ongoing*)
- B. Updated and well-maintained data library system of agency-wide geography, databases, imagery, tools, and maps (*ongoing*)
- C. Data sharing, map products, training, and assistance to counties, municipalities, and partnering agencies (*ongoing*)

**GEOGRAPHIC INFORMATION SYSTEMS IMPLEMENTATION
1.05**

- D. Enhanced support for regional land use modeling and forecasting tools (*ongoing*)
- E. “Map of the Month” section on the EWG website (*ongoing*)
- F. Updated and more comprehensive transportation, environmental, and land use data sets (*ongoing*)
- G. Improved parcel-based land use file (*ongoing*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$169,359
IDOT	56,816
Subtotal	<u>\$226,175</u>

Local:

EWG	\$27,621
IDOT	14,204
Subtotal	<u>\$41,825</u>
TOTAL	<u><u>\$268,000</u></u>

INFORMATION MANAGEMENT AND SERVICES

1.06

Activities:

1. Continue to develop and update the contents and functionality of East-West Gateway's website and other Internet-based communication methods, including social networking tools, to better inform the public on EWG programs, projects, and public engagement opportunities in accordance with the Public Involvement Plan.
2. Create and maintain project specific website applications, sections and/or additional websites as needed for transportation planning activities.
3. Maintain software systems as necessary to support the agency's modeling and planning activities.
4. Maintain systems for effectively managing the wide variety of data collected, created and utilized for in-house planning activities.
5. Maintain database systems used to track and contact planning process participants and local officials.
6. Provide training and technical support to agency staff for work related to transportation planning activities.
7. Evaluate in-house information management systems and make recommendations regarding new technologies and computer hardware and software upgrades that will improve the quality and/or efficiency of in-house planning operations, as needed.
8. Develop a new database and web applications to manage TIP and RTP project information.

Products/Outcomes:

- A. Website access to the major products of the metropolitan planning process (e.g., the TIP, Long Range Plan, various sub-area studies, planning assumptions, etc.) (*ongoing*)
- B. Timely website access to meeting and event information and other related public information useful to the public involvement requirements of the transportation planning process (*ongoing*)
- C. Additional and/or updated project specific website applications and sections (*ongoing*)
- D. Recommendations about new technologies and computer hardware and software upgrades that will improve the quality and/or efficiency of in-house planning operations (*ongoing*)
- E. Centralized, up-to-date address databases used to track and contact planning process participants and local officials (*ongoing*)

INFORMATION MANAGEMENT AND SERVICES

1.06

- F. Updated TIP on-line project applications, as needed, via the EWG website (*ongoing*)
- G. Updated in-house database and web applications used to manage TIP and RTP project information (*ongoing*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$271,733
IDOT	91,160
Subtotal	<u>\$362,893</u>

Local:

EWG	\$44,317
IDOT	22,790
Subtotal	<u>\$67,107</u>
TOTAL	<u>\$430,000</u>

REGIONAL DECISION SUPPORT SYSTEMS

1.12

Activities:

1. Identify, collect, and maintain data sets; focusing on those data necessary for transportation system performance, socioeconomic, demographic, land use, and environmental analysis.
2. Develop the internal platform for accessing and updating existing agency databases.
3. Provide requested data/technical assistance to agency staff, local governments, professional data users, the general public, and other partners and collaborators.
4. Develop land use, population, and employment forecasting scenarios to support the travel demand modeling system and other planning activities.
5. Support long range transportation planning by assembling and analyzing land use, demographic, and economic data.
6. Assist in preparing periodic analytical reports on issues of regional concern.
7. Train staff on how to access databases with various software platforms.
8. Collaborate with federal, state, and local officials and other resource agencies to assess impacts associated with climate change at the regional and national levels.

Products/Outcomes:

- A. Enhanced data resources/products for transportation and other regional planning activities (*ongoing*)
- B. Adapted/converted/developed land-use/socioeconomic model data files for the network traffic demand model system (*ongoing*)
- C. Information provided to municipal and county governments, professional data users, the general public, and all other partners and collaborators associated with the agency (*ongoing*)
- D. Consolidated agency database with improved links to external agency data sources (*ongoing*)
- E. Documentation of data sources (*ongoing*)
- F. Maps, data, and analysis to support agency planning activities (*ongoing*)
- G. Periodic reports on regional issues (*ongoing*)

REGIONAL DECISION SUPPORT SYSTEMS
1.12

H. Analyses of land use scenarios (*ongoing*)

I. Data collected in support of regional data archive (*ongoing*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$268,574
IDOT	90,100
Subtotal	<u>\$358,674</u>

Local:

EWG	\$43,801
IDOT	22,525
Subtotal	<u>\$66,326</u>
TOTAL	<u>\$425,000</u>

PLANNING

Total budgeted for this program area: \$19,362,162

TRANSPORTATION SYSTEM MANAGEMENT AND OPERATIONS

Background

The seven elements in this category recognize the importance of maximizing the existing transportation system's efficiency and effectiveness. Traditionally, transportation planning has centered on the need for new capacity, with little emphasis on ensuring existing assets perform to their full potential. This has resulted in a system that, in its present configuration, has untapped potential for accommodating more travel. That greater potential is realized by ensuring proper maintenance of the system, by reconfiguring existing assets to improve operations, and by using technology to enhance system throughput and reliability. The first element focuses on the implementation and coordination of technology to enhance regional system operations. A second element covers the process for making transportation funding decisions and monitoring the progress of short-term transportation investment decisions. Two elements involve the collection and analysis of data necessary to evaluate the existing system's performance, and another two evaluate and educate on transportation system safety, both regionally and locally. A final element ensures that the Council's transportation planning and decision-making processes conform to federal requirements.

Integrated Transportation Systems Management – This element encapsulates a three-part approach to promoting more efficient operation of the region's highway and transit systems through the use of technology and information sharing. The planning involves maintaining the federally-mandated Regional Architecture for the deployment and management of an Intelligent Transportation System (ITS); maintaining a Congestion Management Process (CMP) that establishes congestion performance measures and provides a toolbox of mitigation techniques; and promoting implementation of a coordinated program for the management of the region's transportation system.

Transportation Improvement Program and Project Monitoring – The TIP is an annual document through which federal funds are allocated to specific projects according to priorities established in the region's metropolitan (long-range) transportation plan. Consistent with the goals and objectives of that plan, the TIP process ensures that maintaining and managing the transportation system receive sufficient attention in making decisions on the investment of federal funds. This element describes the work necessary to develop the multi-year TIP, including the federally-mandated air quality conformity finding.

Transit System Planning and Development (Metro) and Transportation Planning Data and Collection (MoDOT) – These two elements incorporate data analysis and planning work performed by two partner agencies to monitor and enhance transit and highway system operations. The Metro work is funded by a pass-through of federal metropolitan planning (PL) funds allocated to the Council. The MoDOT work, financed entirely with state funds, is used to provide an in-kind match for the Council's use of Consolidated Planning Grant (CPG) funds.

Transportation Safety Initiative and Drive for Tomorrow Program – The first element represents the Council's efforts to better define and develop appropriate solutions to travel safety issues in the region. Using relationships with transportation safety officials and advocates from

throughout the region, the Council will work to enhance safety on the region’s transportation system, focusing on engineering, enforcement, education, and emergency response. Coordination, outreach, and education are key components of this effort. The second element is a hands-on safety outreach program for high school students, emphasizing the importance of seat belt use and avoiding distracted and impaired driving.

Transportation Program Administration – This element is designed to support the Council’s transportation planning process and keep the agency eligible to receive federal funds by meeting all obligations associated with the UPWP and other federal requirements. Major activities under this element include preparing and monitoring progress on the UPWP, documenting Title VI compliance, and managing the Council’s Disadvantaged Business Enterprise (DBE) plan and program.

Summary of Estimated Costs for Functional Area:

2.01 Integrated Transportation System Management	\$220,000
2.03 Transportation Improvement Program and Project Monitoring	424,000
2.04 Transportation Planning Data Collection and Analysis – MODOT	257,686
2.05 Transportation Safety Initiative	68,000
2.06 Drive for Tomorrow Program	122,000
2.07 Transit System Planning and Development (Metro)	200,000
2.09 Transportation Planning Work Program Administration	46,000
TOTAL	\$1,337,686

INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT

2.01

Activities:

1. Manage the regional Congestion Management Process (CMP) through the metropolitan planning process, CMP goals/objectives/performance measures, and transportation system management and operations (TSM&O) based mitigation strategies.
2. Maintain Regional ITS Architecture responsibilities in coordination with MoDOT, IDOT, Metro, and local stakeholders. Ensure that projects with ITS components advanced for funding conform to the regional architecture and collaboration/coordination process.
3. Convene bi-monthly meetings of the Congestion Management & Operations Committee (CMOC) to support management of the regional CMP and the Regional ITS Architecture, and to facilitate integrated management and operations of the regional transportation system.
4. Participate in MoDOT Bi-Monthly Mobility Report meetings and Gateway Green Light (GGL) monthly meetings.
5. Educate partner agencies, elected and other local officials, and the community about the requirements and benefits of the CMP, M&O practices and ITS Architecture as needed.
6. Provide guidance, technical assistance and support to local partners in complying with the requirements of the Regional CMP and ITS Architecture.
7. Develop an annual congestion report on the performance and reliability of the regional multimodal transportation network for calendar year 2018.
8. Assist with review and evaluation of project applications with regard to TSM&O aspects, and compliance with the CMP and Regional ITS Architecture.

Products/Outcomes:

- A. Agendas, presentations, and proceedings for bi-monthly meetings of the Congestion Management & Operations Committee (CMOC) (*ongoing*)
- B. Participation in MoDOT Mobility Report Meetings and GGL monthly meetings (*ongoing*)
- C. Community and local partner outreach and technical assistance activities (*ongoing*)
- D. Annual congestion report on performance and reliability of regional multimodal transportation network for calendar year 2018 (*June 2019*)
- E. Evaluations of project applications (*ongoing*)

**INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT
2.01**

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$139,026
IDOT	46,640
Subtotal	<u>\$185,666</u>

Local:

EWG	\$22,674
IDOT	11,660
Subtotal	<u>\$34,334</u>
TOTAL	<u>\$220,000</u>

TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING

2.03

Activities:

1. Conduct TIP development workshops to inform local project sponsors and interested parties of project submission requirements and evaluation and approval procedures.
2. Solicit projects and assist local governments and other sponsors in developing and documenting projects for TIP funding consideration.
3. Develop annual list of obligated projects.
4. Maintain and provide staff support to Illinois and Missouri Transportation Planning Committees (TPC).
5. Provide assistance to local sponsors in developing project applications for TIP funding consideration and in implementing projects and maintaining schedules
6. Evaluate projects submitted for TIP consideration and establish funding priorities for local and state highways, transit, paratransit, and transportation alternatives.
7. Define proposed projects and attributes for GIS and database inclusion; evaluate geographic distribution of programmed investments.
8. Perform air quality conformity determinations for the TIP; prepare technical documentation detailing air quality modeling procedures and assumptions, the conformity determinations, and related plan updates; and conduct project-specific air quality analyses, as required.
9. Conduct public outreach to solicit comments on the TIP process and the recommended program.
10. Publish and disseminate TIP, and prepare materials necessary for actions to amend or otherwise revise the TIP, as needed.
11. Conduct project implementation workshops for sponsors with projects in the TIP.
12. Monitor the implementation of TIP projects and track the use of federal funds through the preparation of quarterly progress reports for projects included in the annual element of the TIP with semi-annual reports identifying projects that are failing to meet implementation schedules and falling behind in the obligation of federal funds.
13. Prepare action recommendations for Board concerning projects not complying with obligation schedules.
14. Continue development of a process for evaluating the effectiveness of implemented TIP projects. Evaluate “best practices” from other metropolitan areas.

TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING
2.03

15. Substantiate provisions of annual self-certifications and documentation of performance of the metropolitan planning process, including MoDOT and EWG co-signed annual self-certification statement to be approved by the EWG Board of Directors.
16. Coordinate with / provide information to EWG staff that is developing and maintaining an updated database to manage the TIP and RTP.

Products/Outcomes:

- A. Final FY 2019-2022 and Draft FY 2020-2023 TIP (*October 2018 and June 2019*)
- B. TIP program development workshops, implementation workshops, and public involvement activities (*ongoing*)
- C. Technical documentation of TIP amendments and modifications, including a year-end report (*ongoing*)
- D. Agendas, presentations, and proceedings for TPC meetings (*ongoing*)
- E. Conformity determinations for the RTP and TIP (*January – October 2018, October 2018 – January 2019 (if necessary)*)
- F. Technical documentation of air quality modeling procedures, assumptions, and conformity determinations (*December 2018 (if necessary), June 2019*)
- G. Presentations for air quality committee and interagency consultation group meetings (*ongoing*)
- H. Monthly reports showing the implementation status of projects programmed in the TIP that are subject to the Policy on Reasonable Progress and the flow of federal funds (*ongoing*)
- I. Year-end status report of monitored TIP projects and annual listing of obligated projects (*October 2018 and December 2018*)
- J. Information and data for the database used to manage the TIP and RTP (*ongoing*)

**TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING
2.03**

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$267,942
IDOT	89,888
Subtotal	<u>\$357,830</u>

Local:

EWG	\$43,698
IDOT	22,472
Subtotal	<u>\$66,170</u>
TOTAL	<u><u>\$424,000</u></u>

TRANSPORTATION PLANNING DATA COLLECTION AND ANALYSIS; INTEGRATED TRANSPORTATION SYSTEM MANAGEMENT (MoDOT)

2.04

MoDOT, in coordination with East-West Gateway, performs several tasks / activities to improve the overall efficiency of the transportation system. These activities include data collection, analysis and sharing. MoDOT provides these services with non-federal funding. All work performed by MoDOT's St. Louis District staff.

Activities:

1. Query, analyze, and summarize multiple forms of data. *(MoDOT)*
2. Acquire traffic data for use in studies, planning, evaluation of system needs, and project development. *(MoDOT)*
3. Review and analyze traffic data to identify concerns and recommend solutions. *(MoDOT)*
4. Maintain traffic related databases and spreadsheets and generate reports; maintain traffic devices, inventories and records. *(MoDOT)*
5. Develop recommendations and prepare projected data; maintain programs, databases, and historical files of related data in coordination with East-West Gateway. *(MoDOT)*
6. Maintain Regional ITS Architecture in coordination with East / West Gateway, IDOT, Metro and local officials. *(MoDOT)*
7. Continued implementation of the Regional Arterial Management System – Gateway Green Light. *(MoDOT)*
8. Participate in regional M&O, ITS, CMP and Regional Architecture meetings and committees. *(MoDOT)*

Products/Outcomes:

- A. Updated traffic count database for use in the East-West Gateway Travel Demand Model and project prioritization (Work Element 1.01) *(ongoing)*
- B. Updated Regional Integrated Systems Management Architecture (Work Element 2.01) *(ongoing)*
- C. Regional M&O, ITS, CMP and Regional Architecture partner meetings and activities (Work Element 2.01) *(ongoing)*

**TRANSPORTATION PLANNING DATA COLLECTION AND ANALYSIS;
INTEGRATED TRANSPORTATION SYSTEM MANAGEMENT (MoDOT)
2.04**

Estimated Costs:

State:

MoDOT	<u>\$257,686¹</u>
Subtotal	<u>\$257,686</u>
TOTAL	<u><u>\$257,686</u></u>

¹ Estimated amount required as match for the Consolidated Planning Grant funds from MoDOT.

Personnel:

District Traffic Engineer *
3 Traffic Operations Engineers*
Sr. Traffic Studies Specialist *
Traffic Technician*

* Appendix B shows salary, fringe, and contribution data for the positions.

TRANSPORTATION SAFETY INITIATIVE

2.05

Activities:

1. Support and participate in regular meetings of the Missouri Coalition for Roadway Safety (statewide and local).
2. Participate in meetings with Illinois local agencies and IDOT.
3. Support and encourage the development, implementation, and promotion of engineering, education, law enforcement, and emergency response strategies in the St. Louis region.
4. Create, maintain, and sustain relationships with various groups throughout the region that have an emphasis on transportation safety.
5. Provide technical and networking assistance to groups and individuals working to improve transportation safety and to mitigate the negative outcome of crashes at the local and grass roots levels.
6. Participate in statewide transportation safety initiatives for Missouri and Illinois.
7. Assist with management of Missouri and Illinois county local road strategic highway safety plan projects.
8. Create and provide educational / informational materials, as needed.

Products/Outcomes:

- A. Staff support for meetings and materials for the Regional Missouri Coalition for Roadway Safety (*ongoing*)
- B. Education materials including posters, pamphlets, fact sheets, and PowerPoint presentations on transportation safety issues (*ongoing*)

TRANSPORTATION SAFETY INITIATIVE
2.05

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$42,972
IDOT	14,416
Subtotal	<u>\$57,388</u>
EWG	\$7,008
IDOT	3,604
Subtotal	<u>\$10,612</u>
TOTAL	<u><u>\$68,000</u></u>

DRIVE FOR TOMORROW PROGRAM

2.06

Activities:

1. Handle the logistics and coordination of the teen safety program with regional Missouri high schools. (*Staff and MoDOT*)
2. Organize media outreach and interviews. (*Staff and MoDOT*)
3. Provide participant take-aways. (*MoDOT*)
4. Conduct a program that includes advanced interactive driving simulators, banners, pledge campaign items, videos, pre- and post-event surveys, and live presentations. (*MoDOT*)

Products/Outcomes:

- A. A comprehensive educational outreach program for teen drivers that brings instruction on the effects of driving impaired or distracted, as well as community awareness through the media (*ongoing*)
- B. Execution of the comprehensive educational outreach program for teen drivers, including high school events (*ongoing*)
- C. Pre- and post- event surveys (*ongoing*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$97,600
Subtotal	<u>\$97,600</u>

Local Match

EWG	\$7,400
MoDOT	<u>17,000</u>
Subtotal	<u>\$24,400</u>
TOTAL	\$122,000

TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)

2.07

Activities:

1. Administer all work program activities.
2. Collect and summarize fare usage and passenger boarding information for MetroLink, MetroBus, Call-A-Ride, seasonal service, and ADA usage. Conduct onboard surveys of ridership trends and fare media usage, forecast transit demand, and measure consumer attitudes toward transit service.
3. Analyze, plan and restructure bus and rail systems including modifications of bus and rail schedules to optimize resources and maintain an effective system.
4. Conduct planning in conjunction with East-West Gateway Council of Governments and ADA advisory committee to improve transportation services for the elderly and disabled population. Update and Monitor the ADA Plan.
5. Conduct a comprehensive operational analysis (COA) of the Metro transit system, to include recommendations for adjusting transit network design; service levels; and service type within a 2-10 year horizon.
6. Assess the current financial condition and future financial capacity of Metro. Analyze existing and potential revenue sources and develop transit cost forecasts.
7. Long-Range Plan Updates (*ongoing*)

*** (Note: All activities to be performed by Metro)*

Products/Outcomes:

- A. Quarterly progress reports and invoices (*July 2018, October 2018, January 2019, April 2019*)
- B. Operating and ridership information including monthly trip by trip ridership information for MetroLink, MetroBus and Call-A-Ride, quarterly on time performance reports, and periodic route performance reports (*ongoing*)
- C. Service Planning reports including transit center, corridor studies, and Title VI assessments. Service Standards evaluation reports (*ongoing*)
- D. Market research, fare studies, load studies and special event planning studies (*ongoing*)

TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)

2.07

- E. Transit System Accessibility Improvements in compliance with ADA regulations. Route by route bus stop spacing and ADA accessibility plan. Bus stop accessibility progress report (*ongoing*)
- F. Annual Transit System Improvement Plans (*June 2019*)

Estimated Costs:

Federal:

Trans Planning Funds	
MoDOT	\$120,000
IDOT	\$40,000
Subtotal	<u>\$160,000</u>

Local:

EWG	\$400
IDOT	10,000
Metro	29,600
Subtotal	<u>\$40,000</u>
TOTAL	<u>\$200,000</u>

TRANSPORTATION PLANNING WORK PROGRAM ADMINISTRATION

2.09

Activities:

1. General Program Administration

- a. Monitor work on the transportation planning program contained in the FY 2019 UPWP and prepare and submit quarterly progress reports to funding agencies.
- b. Prepare the "Transportation Completion Report" for FY 2018 UPWP. This will summarize the activities performed under the various elements.
- c. Prepare the documentation for self-certification and civil rights compliance under Title VI as required by FHWA and FTA in accordance with the current requirements. Address any Title VI complaints in accordance with established procedures.
- d. Update and maintain Title VI program, as needed, to ensure it is meeting current FHWA and FTA requirements.
- e. Provide reports to funding agencies relating to Title VI activities upon request.
- f. Prepare and print final reports for elements contained in the FY2018 UPWP as needed. Distribute the final reports to appropriate agencies.
- g. Prepare the FY2020 UPWP and associated contracts and agreements.

2. Disadvantaged Business Enterprise Program

- a. Communicate with FTA, MoDOT, and IDOT regarding goal setting in various contracts.
- b. Assist staff with contractor/consultant selection process to ensure the DBE plan is followed during the procurement process. Activities will include review of the solicitation documents and notices prior to issuance along with a review of the responses received. Review contracting achievements during the goal period to determine if a DBE goal should be part of the solicitation.
- c. Monitor changes to DBE regulations.
- d. Monitor DBE participation efforts and prepare reports as required.
- e. Conduct ongoing liaison activities with SBE and DBE concerns to facilitate contracting opportunities for such businesses.
- f. Participate in the Missouri Regional Certification Committee process.

**TRANSPORTATION PLANNING WORK PROGRAM ADMINISTRATION
2.09**

3. Association of Metropolitan Planning Organizations (AMPO)

- a. Renew membership in AMPO, the national organization that represents the interests of Metropolitan Planning Organizations.

Products/Outcomes:

- A. Quarterly progress reports (*quarterly*)
- B. FY 2018 Transportation Completion Report (*October 2018*)
- C. Title VI Program updates, as needed (*ongoing*)
- D. Title VI compliance documentation as required (*June 2019*)
- E. FY 2020 UPWP and associated contracts (*June 2019*)
- F. Semi-annual DBE participation reports (*November 2018 and May 2019*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$29,069
IDOT	9,752
Subtotal	\$38,821

Budget Summary by Activity

Sub-Element	Amount
1	\$33,200
2	\$6,000
3	\$6,800
	\$46,000

Local:

EWG	\$4,741
IDOT	2,438
Subtotal	\$7,179
TOTAL	\$46,000

TRANSPORTATION SYSTEM DEVELOPMENT AND DESIGN

Background

While it is important to emphasize system management and operations, especially in a time of limited fiscal resources, that emphasis does not negate the need to evaluate possibilities for more extensive system improvements, including expansion, and for modifying, or otherwise enhancing, the system's character. The ten elements in this category examine those issues from different perspectives. The first element reflects a MoDOT program that assists local governments address traffic issues. The next three elements take a multimodal approach, evaluating system development and design as it relates to personal mobility, goods movement, and community development. The fifth element encompasses a safety and security assessment of the MetroLink light rail system. The sixth element involves managing the Coordinated Human Services Transportation Plan, which ensures that paratransit funding decisions are made within a consistent set of regional criteria. The seventh element explores Transit Oriented Development possibilities associated with a light rail extension in the City of St. Louis. An eighth element covers participation in transportation corridor or subarea studies supported by the Council, Metro, and MoDOT, while the ninth element constitutes studies of light rail expansion in St. Louis City and County. The tenth element represents the conclusion of a multi-year effort to update the metropolitan (long-range) transportation plan, which guides future transportation investment decisions.

Traffic Engineering Assistance Program – MoDOT provides small grants to provide engineering services that help local governments address traffic issues. This year three municipalities – Kirkwood, St. Clair, and St. Peters – received grants to study intersection, signing, and capacity issues.

Multimodal Transportation Planning – This element examines a variety of transportation modes largely from the perspective of system users: the elderly and persons with disabilities, cyclists and pedestrians, and freight movers. The planning involves working with those specific constituencies to define and implement approaches for meeting their special concerns or needs. Addressing those issues within an integrated regional context, not merely within the confines of an individual mode, is critical to the success of the planning effort.

Great Streets Charrette -Illinois and Great Streets Initiative – The Initiative's overall goal is to change the ways communities and implementing agencies plan and design streets, focusing on creating places rather than just simply accommodating more automobiles. The first element involves engaging one Illinois community (Collinsville) in a multi-day charrette that identifies implementation strategies for corridor and community improvements. The second element involves continued participation in the implementation of past demonstration projects, a continuing education and outreach program to expand knowledge and use of Great Streets principles throughout the region, and advancing one Missouri community project through the Great Streets process.

MetroLink System-Wide Security Assessment – Phase I – This element involves evaluating the safety and security of the current MetroLink system, conducting a peer review with other transit

systems that have addressed similar security issues, and developing a series of recommendations. The Phase I assessment will conclude with a plan for implementing the recommendations.

Section 5310 Coordinated Human Services Transportation Planning – A federal requirement is that metropolitan areas create and maintain a coordinated plan for transportation services to transit-dependent populations. The plan was first developed in FY 2009 and was updated in early FY 2017. The element focuses on managing that plan and distributing information on its requirements to agencies and organizations involved in providing paratransit services.

Northside-Southside TOD Pilot Study – Funded by a discretionary Federal Transit Administration grant, the pilot study will examine the potential for Transit Oriented Development (TOD) in the Northside-Southside MetroLink corridor. The study will review ongoing TOD activities and potential TOD sites, examine community access issues, and recommend TOD approaches at a variety of station locations. The study will culminate in a series of TOD implementation strategies and development oversight proposals.

Transportation Corridor and Subarea Planning-Missouri – Corridor studies are an important part of the long-range transportation planning process. Such studies help define needs and solutions that are used to develop projects for inclusion in the long-range plan. This element covers the Council’s participation in developing and managing corridor or subarea studies in the Missouri portion of the region. It delineates the Council’s activities, in cooperation with partner agencies, to define future needs for major corridor studies, to establish priorities among potential corridor studies, to complete the preliminary work needed to proceed with studies, and to conduct such studies or participate in corridor/environmental studies sponsored by other agencies.

St. Louis County MetroLink Corridor Conceptual Planning – This element will consider MetroLink alternatives in three major St. Louis County transportation corridors. The study will examine alternatives at a conceptual level and provide information on the costs, benefits, and impacts of MetroLink expansion.

Long-Range Transportation Planning – According to federal law, every four years the Council must update its metropolitan (long-range) transportation plan. The next update is due in June 2019. This element identifies the tasks the Council will undertake to complete the technical and public process culminating in a plan update.

Summary of Estimated Costs for Functional Area:

2.10 MoDOT Traffic Engineering Assistance Program	\$29,810
2.11 Multimodal Transportation Planning	232,000
2.12 Great Streets Charrette – Illinois	126,940
2.13 Great Streets Initiative	675,000
2.14 MetroLink System-Wide Security Assessment	3,486,250
2.15 Section 5310 Coordinated Human Service Transportation Planning	55,630
2.16 Northside-Southside Pilot Program for Transit Oriented Development	530,000

2.17 Transportation Corridor & Subarea Planning-Missouri	161,000
2.18b St. Louis County MetroLink Corridors Conceptual Planning	3,000,000
2.19 Long-Range Transportation Planning	425,000
TOTAL	\$8,721,630

MODOT TRAFFIC ENGINEERING ASSISTANCE PROGRAM

2.10

Activities:

1. Provide engineering assistance to local public agencies to study traffic safety or operational issues.
 - a. City of Kirkwood – Old Big Bend, South Ballas, and Craig Drive Intersection Study
 - b. City of St. Clair – St. Clair Sign Inventory and GIS Integration
 - c. City of St. Peters – Capacity Improvements Study for Mid Rivers Mall Drive at St. Peters Powell Road and Willott Road

Products/Outcomes:

- A. Reports on studies conducted for City of Kirkwood, City of St. Clair, and the City of St. Peters (*June 2019*)

Estimated Costs:

		City of	City of	City of	
		Kirkwood	St. Clair	St. Peters	Total
<u>Federal:</u>					
FHWA	MoDOT	\$8,000	\$7,848	\$8,000	\$23,848
	Subtotal	\$8,000	\$7,848	\$8,000	\$23,848
<u>Local:</u>					
	Local Jurisdiction	\$2,000	\$1,962	\$2,000	\$5,962
	Subtotal	\$2,000	\$1,962	\$2,000	\$5,962
	TOTAL	\$10,000	\$9,810	\$10,000	\$29,810

MULTIMODAL TRANSPORTATION PLANNING

2.11

Activities:

1. Accessibility Planning

- a. Consult and coordinate with mobility impaired advocates to develop funding and project approaches that address access issues.
- b. Provide technical assistance to local sponsors developing projects that enhance accessibility for senior and disabled populations for TIP funding consideration.
- c. Create and provide accessibility educational / informational materials, as needed.

2. Bicycle and Pedestrian Planning

- a. Organize regular meetings of and provide staff support to the Bicycle and Pedestrian Advisory Committee (BPAC) and BPAC Gateway Bike Plan – Working Group.
- b. Maintain inventory of local bikeway plans and recommended facilities to support regional bicycle planning efforts.
- c. Implement appropriate strategies from the regional bicycle/pedestrian plan and Gateway Bike Plan.
- d. Promote bicycle and pedestrian facility design “best practices” through FHWA recommended design resources. Support “best practices” efforts through education, outreach, and bicycle and pedestrian project evaluation criteria.
- e. Maintain and update inventory of existing bicycle network in GIS for use in various transportation studies and reports.
- f. Work with local agencies to share information regarding the number of persons using the region’s bicycle/pedestrian network. Provide count information to local governments.
- g. Provide technical assistance to local sponsors developing bicycle, pedestrian, and Safe Routes to Schools projects and applications for TIP funding consideration.
- h. Review and evaluate bicycle and pedestrian projects submitted for TIP funding consideration.
- i. Participate in local bicycle and pedestrian committees: the St. Louis Bicycle Implementation Group, Bike Share Working Group, St. Louis County Complete Streets Peer Advisory Committee, etc.

MULTIMODAL TRANSPORTATION PLANNING

2.11

- j. Identify and/or host bicycle and pedestrian training workshop. (*Staff and consultant*)
- k. Create and provide bicycle/pedestrian educational / informational materials, as needed.

3. **Intermodal Freight Planning**

- a. Provide staff support for the St. Louis Regional Freightway (Bi-State Development Agency).
- b. Partner with the St. Louis Regional Freightway to determine the feasibility of establishing a data clearing house for real-time freight data and other freight-related data elements.
- c. Work with the City of St. Louis to determine the feasibility of a Downtown St. Louis Central Business District (CBD) Loading Zone / Curbspace Management Plan.
- d. Continue the process of disseminating the findings and recommendations included in the St. Louis Regional Freight Study and work with the St. Louis Regional Freightway to implement when possible.
- e. Maintain the Regional Freight GIS Inventory/Warehouse.
- f. Refine the initial baseline assessment of the twenty-three Industrial Site Areas identified in the St. Louis Regional Freight Study.
- g. Provide assistance to state DOT's on regional freight needs, including presentations for DOT sub-groups and affiliated associations.
- h. Identify and/or host freight training workshops on topics including land use planning, economic development, sustainability, and big data.
- i. Create and provide intermodal freight educational / informational materials, as needed.

4. **General Transportation Technical Assistance**

- a. Respond to local government or other agency requests for small-scale transportation planning studies, needs/issue assessments, or general technical assistance.
- b. Respond to community requests for general transportation information (transportation data, federal or state legislation and regulations, transportation policies and issues, etc.).

MULTIMODAL TRANSPORTATION PLANNING

2.11

Products/Outcomes:

- A. Technical assistance to local sponsors developing bicycle, pedestrian, Safe Routes to School, ADA compliance, and paratransit projects for TIP funding consideration (*ongoing*)
- B. Agendas, presentations, and proceedings for Bicycle and Pedestrian Advisory Committee (BPAC) meetings and BPAC Gateway Bike Plan – Working Group (*ongoing*)
- C. Updated bicycle inventory database / GIS data of the existing and recommended bicycle network for the region (*ongoing*)
- D. Training to local governments on bicycle and pedestrian facility typologies and elements (*ongoing*)
- E. Technical assistance to local sponsors developing freight projects for STP funding consideration (*ongoing*)
- F. Regional Freight GIS Inventory/Warehouse Database (*ongoing*)
- G. Updated Inventory Assessment of the twenty-three Industrial Site Areas identified in the St. Louis Regional Freight Study (*ongoing*)
- H. Educational resources for and outreach to promote the St. Louis Regional Freightway (*ongoing*)
- I. Presentations and workshops as requested by local representatives (*ongoing*)
- J. Special reports relating to local planning studies, needs/issue assessments, or technical assistance, as needed (*ongoing*)
- K. Responses to information requests, as needed (*ongoing*)

**MULTIMODAL TRANSPORTATION PLANNING
2.11**

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$146,610
IDOT	49,184
Subtotal	\$195,794

Local:

EWG	\$23,910
IDOT	12,296
Subtotal	\$36,206
TOTAL	\$232,000

Budget Summary by Activity

Sub-Element	Amount
1	\$8,800
2	105,900
3	99,300
4	18,000
Total	\$232,000

GREAT STREETS CHARRETTE - ILLINOIS

2.12

Activities:

1. Conduct the project planning process and administer / manage consultant work and contract(s) during the process for the previously selected Collinsville, IL project.
(Staff and consultant)
2. Participate in implementation efforts for previously planned Great Streets projects in Illinois.
3. Conduct project selection activities for possible FY 2020 project(s).
4. Create and provide program / project educational / informational materials, as needed.

Products/Outcomes:

- A. Completed plan process and document(s) *(June 2019)*
- B. Solicitation for, and review of project applications for project(s) to be conducted in FY 2020, if required *(March 2019)*
- C. Selected project, refined project scope, and consultant selected *(June 2019)*

Estimated Costs:

Federal:

Trans Planning Funds

IDOT	\$101,552
Subtotal	<u>\$101,552</u>

IDOT	\$25,388
Subtotal	<u>\$25,388</u>
TOTAL	<u>\$126,940</u>

GREAT STREETS INITIATIVE

2.13

Activities:

1. Continue to support implementation efforts of previously planned projects; review project planning, design, and engineering activities for consistency with Great Streets principles; assist communities in developing multi-jurisdictional agreements, district plans, and construction projects in previously planned Great Streets corridors; support implementation funding efforts of the various project sponsors.
2. Review project planning, design process, and built project performance for lessons learned.
3. Conduct local official and agency outreach to expand community awareness of Great Streets program and principles; work and develop partnerships with other agencies interested in communicating with and educating local governments about Great Streets.
4. Review project applications and select one or more projects to advance through planning, work with the selected project sponsor(s) and peer agencies to refine the scope of work for the project(s), and conduct the consultant selection process.
5. Conduct the project(s) planning process and administer / manage consultant work and contract(s) during the process. (*Staff and consultant*)
6. Review projects submitted for TIP funding to determine their consistency with Great Streets principles, and provide technical assistance to local governments that will enable them to better incorporate those principles into project design.
7. Maintain and update the web-based digital design guide, as appropriate.
8. Provide Great Streets-related technical support for the OneSTL implementation effort, if needed.
9. Conduct project selection activities for possible FY 2020 project(s).
10. Create and provide program / project educational / informational materials, as needed.

GREAT STREETS INITIATIVE

2.13

Products/Outcomes:

- A. Continued review of lessons learned from previous demonstration projects (*ongoing*)
- B. Educational resources for community outreach and partnership activities (*ongoing*)
- C. Selected FY 2019 project, refined project scope, and consultant selected (*January 2019*)
- D. Completed FY 2019 Great Streets planning process and documents (*June 2019*)
- E. Solicitation for and review of project applications for project to be conducted in FY 2020, if required (*June 2019*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$540,000
Subtotal	<u>\$540,000</u>

Local:

EWG	\$35,000
TBD	<u>100,000</u>
Subtotal	<u>\$135,000</u>
TOTAL	<u>\$675,000</u>

METROLINK SYSTEM-WIDE SECURITY ASSESSMENT
PHASE I
2.14

Activities:

1. Develop and implement a stakeholder engagement process to ensure involvement and input from the public, the private sector, local agencies, and relevant institutions. Manage partner collaboration. *(Consultants)*
2. Prepare an inventory of existing conditions and an evaluation of the existing MetroLink system in relation to crime, enforcement policies, safety and security practices, institutional relationships and agreements, and physical infrastructure as it affects safety and security. Document the findings. *(Consultants)*
3. Conduct a peer review involving other transit agencies that have dealt with similar safety and security issues and prepare a best practices summary. *(Consultants)*
4. Propose recommendations for improving the safety and security of the MetroLink system. Document the recommendations in a strategic action plan. *(Consultants)*
5. Prepare scope of work for Phase II implementation of proposed recommendations. *(Consultants)*

Products/Outcomes:

- A. Stakeholder engagement and collaboration activities *(ongoing)*
- B. Existing conditions and system risk, threat, and vulnerability report *(Summer 2018)*
- C. Peer review and summary of best practices *(Fall 2018)*
- D. Strategic action plan report and executive summary *(December 2018)*
- E. Phase II work scope and cost estimate *(December 2018)*

**METROLINK SYSTEM-WIDE SECURITY ASSESSMENT
PHASE I
2.14**

Estimated Costs:

Federal:

Section 5307 funds

FTA**	\$2,789,000
Subtotal	<u>\$2,789,000</u>

Local:

BSDA	697,250
Subtotal	<u>\$697,250</u>
TOTAL	<u><u>\$3,486,250</u></u>

** *CFDA 20.507*

SECTION 5310 COORDINATED HUMAN SERVICE TRANSPORTATION PLANNING

2.15

Activities:

1. Manage, maintain and implement the Coordinated Human Services Transportation Plan (CHSTP).
2. Manage and maintain the Section 5310 Program Management Plan (PMP).
3. Comply with Section 5310 program responsibilities, as outlined in the Section 5310 Memorandum of Understanding (MOU) and PMP.
4. Conduct a project solicitation, evaluation, and selection process for Section 5310 funds as identified in the CHSTP.
5. Monitor the implementation and performance of projects utilizing Section 5310 funding.
6. Communicate and disseminate the CHSTP to the target communities and government, not-for-profit, and for-profit agencies in the region who serve persons eligible for services under the Section 5310 program. Provide technical assistance to these agencies, as needed, to make certain that projects they propose for funding are consistent with the CHSTP.
7. Respond to questions related to the CHSTP, the project solicitation process, and funding, as needed.
8. Provide technical assistance, including paratransit funding workshop and grant assistance to local sponsors.
9. Educate local sponsors on mobility management activities and benefits.
10. Create and provide program / project educational / informational materials, as needed.

Products/Outcomes:

- A. Notify eligible Section 5310 applicants of solicitation and funding availability (*Fall 2018*)
- B. Technical assistance, including paratransit funding workshop and grant assistance to local sponsors (*ongoing*)
- C. List of priority projects funded using Section 5310 funds for inclusion into the TIP (*Spring 2019*)
- D. Maintain and implement the CHSTP (*ongoing*)
- E. Track Section 5310 project implementation in conjunction with MoDOT and Bi-State Development (*ongoing*)

**SECTION 5310 COORDINATED HUMAN SERVICE TRANSPORTATION PLANNING
2.15**

Estimated Costs:

Federal:

Section 5310 Funds

FTA/BSDA**	\$55,630
Subtotal	<u>\$55,630</u>
TOTAL	<u><u>\$55,630</u></u>

** CFDA 20.513

**NORTHSIDE-SOUTSIDE
PILOT PROGRAM FOR TRANSIT ORIENTED DEVELOPMENT (BSDA)
2.16**

Activities:

1. Develop a project management plan for the Northside – Southside Pilot Program for Transit Oriented Development (NS-SS TOD) project. (*Consultants*)
2. Develop and implement a stakeholder engagement process to ensure broad involvement and input from the public, the private sector, local agencies, and relevant institutions. Manage interagency coordination. (*Consultants, Bi-State Development, City of St. Louis staff*)
3. Conduct a detailed review of existing and ongoing NS-SS assets and opportunities related to TOD, as well as a review of zoning and existing plans and policies. (*Consultants, Bi-State Development, City of St. Louis, St. Louis Development Corporation staff*)
4. Evaluate and develop a series of TOD implementation tools and strategies that will best succeed in St. Louis, including, but not limited to, incentive packages, project review services, development RFPs, station area public improvements, and innovative finance tools. (*Consultants, Bi-State Development, City of St. Louis, St. Louis Development Corporation staff*)
5. Develop recommendations for oversight of development around existing and planned transit routes. (*Consultants, Bi-State Development, City of St. Louis, St. Louis Development Corporation staff*)

Products/Outcomes:

- A. Project Management Plan (*Summer 2018*)
- B. Stakeholder Involvement Plan (*Summer 2018*)
- C. Existing conditions evaluation (*Fall 2018*)
- D. Preliminary plan and recommendations (*Winter 2019*)
6. Final plan (*Spring 2019*)

**NORTHSIDE-SOUTSIDE
PILOT PROGRAM FOR TRANSIT ORIENTED DEVELOPMENT (BSDA)
2.16**

Estimated Costs:

Federal:

Discretionary Funds

	FTA**	\$374,278
	Subtotal	\$374,278

Local:

St Louis Dev. Corp	\$30,000
BSDA (In-Kind)	74,687
St. Louis Dev. Corp (In-kind)	19,591
City of St. Louis (In-kind)	31,444
	Subtotal
	\$155,722
TOTAL	\$530,0000

** *CFDA 20.500*

TRANSPORTATION CORRIDOR & SUBAREA PLANNING – MISSOURI

2.17

Activities:

1. Review existing transportation conditions and regional, state, and local plans to identify subareas or corridors where major investment studies, operational analyses, or other types of long-range planning studies are warranted.
2. Work with partner agencies to define study needs and planning approaches in subareas and corridors warranting major analytical work.
3. Participate in on-going planning or environmental studies under the lead of implementing agencies, including the St. Louis County MetroLink Conceptual Planning Study, the Route N Environmental Assessment, and the Northside-Southside TOD Pilot Study; assist agencies and consultants in developing planning processes, work scopes, analytical methods and findings, reviewing study products, and selecting preferred alternatives; assist in community engagement activities.
4. Assume the lead role in conducting corridor planning and environmental studies, as warranted, including the MetroLink Security Assessment; conduct procurement and consultant selection processes, if required; manage planning work and administer consultant contracts.
5. Provide land use and demographic data, demand forecasts, or model sets to planning partners or consultants to support corridor studies.
6. Provide management assistance and technical support for any corridor, subarea or transit-oriented development (TOD) studies as appropriate; work with regional peer planning agencies to support advisory committee and community engagement activities as needed; review and approve technical work and project documentation.
7. Present any results of corridor studies to Executive Advisory Committee (EAC) and Board of Directors and other parties for informational purposes or endorsement/approval, as appropriate.
8. Create and provide program / project content educational / informational materials, as needed.

Products/Outcomes:

- A. Corridor evaluations and study priorities (*ongoing*)
- B. Travel demand forecasts and other data products for planning partners (*ongoing*)
- C. Coordination meetings with cooperating agencies and participation in advisory committee and public meetings (*ongoing*)

TRANSPORTATION CORRIDOR & SUBAREA PLANNING – MISSOURI
2.17

- D. Review and comment on technical work, documentation, and draft/final reports, as necessary
(ongoing)
- E. Manage planning studies and consultants, as required *(ongoing)*
- F. Presentations to EAC, Board of Directors, and interested parties *(ongoing)*

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$138,425
Subtotal	<u>\$138,425</u>

Local:

EWG	\$22,575
Subtotal	<u>\$22,575</u>
TOTAL	<u>\$161,000</u>

**ST. LOUIS COUNTY METROLINK CORRIDORS
CONCEPTUAL PLANNING (ST. LOUIS COUNTY)**

2.18b

St. Louis County, Missouri will conduct a conceptual planning study for three MetroLink corridors, and East-West Gateway will support the project by attending meetings and participating in the project as requested by St. Louis County. All the work described in this work element will be performed by St. Louis County's consultant.

Activities:

1. Develop and implement a community engagement process to ensure broad involvement and input from the public, the private sector, local agencies, and relevant institutions. Manage interagency coordination. *(Consultant)*
2. Develop or revise purpose and need statements for the three corridors and develop evaluation framework for analysis of light rail alignments. *(Consultant)*
3. Review existing alignments for the MetroSouth and Daniel Boone corridors for any necessary refinements, and develop and screen optional alignments for the MetroNorth corridor. Define alignments to be forwarded into more detailed analysis. *(Consultant)*
4. Conduct a detailed analysis of alignments in the three corridors. Develop appropriate data and analyze operating concepts and plans, station locations and development potential, socioeconomic and environmental impacts, ridership, capital and operating costs, and financial requirements. Evaluate the projects for their potential rating in the Federal Transit Administration's New Starts program. *(Consultant)*
5. Develop recommendations for Locally Preferred Alternatives (LPAs) in the three corridors and conduct a comparative evaluation. *(Consultant)*
6. Document conceptual planning process, including technical and final reports. *(Consultant)*

Products/Outcomes:

- A. Community engagement and public information activities
- B. Purpose and need statements and evaluation framework
- C. Definition of alignments for detailed evaluation
- D. Detailed evaluation of alternatives, New Starts assessment, comparative evaluation, and LPA recommendations
- E. Technical and final reports

**ST. LOUIS COUNTY METROLINK CORRIDORS
CONCEPTUAL PLANNING (ST. LOUIS COUNTY)
2.18b**

Estimated Costs:

Local:

St. Louis County	\$3,000,000
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Subtotal	\$3,000,000
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TOTAL	\$3,000,000
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LONG-RANGE TRANSPORTATION PLANNING

2.19

Activities:

1. Produce update of the RTP, including a State of the System report.
2. Continue to make presentations on the current RTP.
3. Consult with regional transportation planning partners regarding long-range planning needs, policies, and programs.
4. Refine the planning framework based on changes in federal legislation (e.g. FAST Act), as well as state and local conditions.
5. Continue development of a performance management program based on federal legislation and guidance.
6. Research best practices used by other metropolitan areas to develop and communicate long-range transportation plans, including visualization methods and use of new technologies, and apply where applicable.
7. Conduct outreach to groups and organizations to create awareness of the long-range transportation planning process; solicit public input on regional transportation needs and issues.
8. Participate in relevant agency and partner initiatives and projects, such as those related to freight, sustainability, economic development, and bicycle/pedestrian and incorporate into the RTP process where applicable.
9. Participate in statewide planning, performance management, and project priority setting processes in both Illinois and Missouri.
10. Maintain agency-wide database to include current data necessary to support evaluation of transportation system performance.
11. Continue to refine performance management framework to integrate management and operations, ITS, transit, bicycle, pedestrian, accessibility, paratransit, safety, freight, economic development, climate change impacts, and sustainability issues.
12. Establish or update, as applicable, FAST Act performance targets through data collection and coordination with IDOT, MoDOT, and other planning partners.
13. Develop a periodic system performance report for the RTP in consultation with federal and state partners.
14. As necessary, assist in evaluating and refining TIP project evaluation criteria based on federal and state performance management guidance, as well as metropolitan transportation plan, *Connected2045*.

LONG-RANGE TRANSPORTATION PLANNING

2.19

15. Work with regional, state, and federal partners to implement the recommendations of the *St. Louis Region Emerging Transportation Technology Strategic Plan*.
16. Participate in AMPO working groups, committees, symposia, and conferences dedicated to long-range transportation planning, performance management, emerging transportation technologies and other areas of importance to East-West Gateway.
17. Provide consultation to and coordinate meetings with transportation planning partners.
18. Create and provide program / project educational / informational materials, as needed.

Products/Outcomes:

- A. RTP draft and final documents (*March and June 2019*)
- B. RTP related presentations to Board, EAC, and supporting committees (*ongoing*)
- C. Data necessary to support RTP update and ongoing performance measurement program (*ongoing*)
- D. Performance management program (*ongoing*)
- E. FAST Act Performance target setting (*ongoing*)
- F. Refined planning framework and analytical/evaluation methods for evaluating transportation needs and the broader economic, community, and ecological impacts of alternative transportation investments (*ongoing*)
- G. Presentations to interested groups and agencies (*ongoing*)
- H. Public engagement related to RTP update (*ongoing*)

LONG-RANGE TRANSPORTATION PLANNING
2.19

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$268,574
IDOT	90,100
Subtotal	<u>\$358,674</u>

Local:

EWG	<u>\$43,801</u>
IDOT	<u>22,525</u>
Subtotal	<u>\$66,326</u>
TOTAL	<u><u>\$425,000</u></u>

REGIONAL DEVELOPMENT AND SUSTAINABILITY

Background

Sustainability is about creating integrated and collaborative approaches to promote development of a prosperous, healthy and vibrant region. The elements in this category contribute to sustainable practices or an assessment of the impacts of regional development, with special consideration given to the relationship between transportation investment and development. The nine elements covered in this category concentrate on at least one of the following: examining the specific impacts of infrastructure investment on the natural environment; focuses on air quality issues and water quality planning; or involves providing support and planning capacity among local governments to improve the integration of transportation, housing, economic development, and environmental decisions.

Ecological Approach to Infrastructure Development – In the past, environmental assessments and impact mitigation activities have tended to be project based, with little attention given to the larger environmental effects or the cumulative ecological impacts of regional investment and development. This element is important to long-range transportation planning and represents a program to correct that deficiency. It creates a comprehensive ecological database for the region, implements a process for cooperative environmental planning among federal, state, and regional agencies, and develops methods for evaluating potential ecological impacts and mitigation measures associated with infrastructure investments.

Southwestern Illinois Flood Prevention District Management – This project provides management staff for the Southwestern Illinois Flood Prevention District Council to oversee the reconstruction of the flood protection systems along the Mississippi River in the Illinois counties of Madison, St. Clair and Monroe.

Air Quality Coordination – This program coordinates air quality planning activities between Illinois and Missouri agencies and assists the states in preparing necessary revisions to the mobile source component of State Implementation Plans (SIPs). The St. Louis region is currently classified as a marginal non-attainment area for ozone. It is also classified as non-attainment for fine particulate matter. East-West Gateway is responsible for coordinating the development of ozone and fine particulate control plans. SIP development and coordination activities and the development of the annual conformity determination in relation to the Transportation Improvement Program and the long-range transportation plan will continue in FY 2019. This program, also, provides technical support and coordination for a wide array of regional air quality issues and promotes cooperation with multiple resource agencies and regional stakeholders through monthly meetings with East-West Gateway's Air Quality Advisory Committee (AQAC). The Ozone Data Sharing work is included in program and serves as a clearinghouse for daily measured ozone information and facilitates the sharing of air quality information between the Missouri Department of Natural Resources (MoDNR), Illinois EPA (IEPA), U.S EPA and other partnering agencies. The collection and sharing of air quality monitoring data is an important component of East-West Gateway's regional responsibility for

air quality coordination. The program will generate and maintain an Air Quality Index (AQI) calendar. The AQI color-coded calendar will be posted on the EWG website.

Missouri Regional 208 Water Quality Management Planning CWA 604(b) Program – Regional Water Quality Management Planning is a requirement of Section 208 of the Federal Clean Water Act. East-West Gateway is designated as the 208 Water Quality Planning Agency for the five Missouri Counties, and is responsible for developing the region’s area wide Water Quality Management Plan. The original plans completed in 1978 have exceeded the 20-year time frame for which they were initially designed and an update is long overdue. Staff will work with local government and sewer district officials to conduct a limited review and update of the regional 208 Plan for selected priority areas in St. Louis, Jefferson, St. Charles, and Franklin counties. A coordinated planning effort using a watershed approach is the accepted method in analyzing planning areas and intergovernmental cooperation will be a key element in this effort to improve water quality services for citizens. This element describes the need to support water quality management and planning, monitoring and other activities carried out by regional planning agencies and focuses on working with community leaders on water quality management planning and feasibility studies related to infrastructure needs and priorities pursuant to the Clean Water Act (CWA)

Watershed Planning – (Water Quality Coordination) – Since the adoption of the original Section 208 Plan, the agency has undertaken projects to implement the recommendations of the Plan, conduct planning studies and provide technical assistance to local communities. Pursuant to various EPA and state resource agency funding and other cost sharing programs staff will maintain continuity of effort with regional watershed planning efforts such as with the update to the Lower Meramec River Watershed Plan. Staff also provides assistance to member communities who desire to develop watershed management plans and storm water best practices.

Community Building – Staff receives requests from local governments and regional partners for planning assistance on subjects that relate to the physical environment and building healthy communities. This work element enables planning staff to respond to those communities interested in planning, development, and best management practices and provides partnership opportunities from both the public and private sectors and work together through the Regional Water Resources Committee on water quality planning, storm water and flood plain management issues. Community building involves expanding upon the priorities in OneSTL, the region’s plan for sustainable development, building collaborative networks, inter-departmental cooperation coordination of workshops, conferences, symposia, participating in planning related organizations, assisting with development of community plans, and liaison with federal, state, and local agencies. Staff provides support and planning assistance, technical data, as well as leadership and coordination of local regional and national conferences and workshops in emerging planning and policy areas.

Updating the All Hazard Mitigation Plan – Recognizing that no community is immune from natural hazards such as tornadoes, flooding, earthquakes and severe weather, the Board adopted the 2004 plan that has been distributed to all participating counties and jurisdictions in the Missouri portion of the region. An update to that plan was completed in 2010 and 2015. To ensure that the evolving policy and regulatory changes are reflected in community plans, and to

ensure that communities are making progress toward implementing hazard mitigation initiatives, staff will continue to monitor and work with local communities to implement hazard mitigation efforts during the interim before the next plan update is due.

Sustainable Communities Plan Implementation – Efforts under this project will advance OneSTL by assisting our local governments and neighborhood organizations in identifying ways to implement initiatives included in the plan.

Nutrition Incentive Program - This element reflects an outreach effort to local communities to communicate an innovative program that will get more fresh fruits and vegetables onto the tables of thousands of the most vulnerable residents in urban and rural communities. This program is improving access to fresh, healthy foods using Supplemental Nutrition Assistance Program (SNAP) incentives to help break the cycle of food insecurity, poverty and diet-related disease.

Summary of Estimated Costs for Functional Area:

2.21 Ecological Approach to Infrastructure Development	\$117,500
2.25 Southwestern II Flood Prevention Dist. Management	215,000
2.32 Air Quality Coordination	79,494
2.34 Missouri Regional 208 Water Quality Management Planning	20,000
2.35 Watershed Planning – Lower Meramec (Water Quality Coordination)	125,000
2.38 Community Building	449,000
2.39 Updating the All Hazard Mitigation Plan – Missouri	129,000
2.42 Sustainable Communities Plan Implementation	90,000
2.45 Missouri Nutrition Incentive Program	90,500
Total	\$1,315,494

ECOLOGICAL APPROACH TO INFRASTRUCTURE DEVELOPMENT

2.21

Activities:

1. Continue advancing the regional environmental framework (REF) to support integration of an ecological planning approach into transportation planning to aid in creating and implementing regional strategies to minimize and mitigate the environmental impacts of existing and planned transportation infrastructure and associated development.
2. Based on the REF, identify regional mitigation, conservation and restoration priorities amidst regulatory requirements and programmatic implementation opportunities that will lead to the achievement of greater environmental benefits and cost savings in the transportation planning process. Continue to incorporate ecological data sets within the short-range and long-range transportation planning processes.
3. Consult with federal, state, and local natural resource management, regulatory agencies and regional stakeholders with common resource conservation and sustainable development goals on the region's conservation opportunity areas, look for enhanced connectivity opportunities, and update the regional data layer as appropriate to reduce environmental impacts by avoiding impacts during the transportation planning process and identify key areas to mitigate unavoidable environmental impacts.
4. Meet with local, regional, state, and federal agencies to collaborate about refined strategies and policies for wetlands conservation and restoration practices in order to coordinate use of ecological datasets and wetlands data layers in current planning practices and determine how changes to strategies or policies may affect updates to the datasets.
5. Meet with local, regional, and state agencies to educate each about the ecological datasets, demonstrate how the agencies can use the datasets in planning activities to ensure local projects are implemented with lower levels of environmental impacts, and encourage/facilitate the integration of the datasets into the agency's planning practices.
6. Collect data and information from local, state, and federal agencies that will be used to update the geodatabase of ecological datasets.
7. Update, manage, and distribute a geodatabase of ecological datasets.
8. Develop informational / educational materials for local, regional, and state agencies about the ecological datasets, wetlands data layers, and how to integrate the data into planning practices.

ECOLOGICAL APPROACH TO INFRASTRUCTURE DEVELOPMENT

2.21

Products/Outcomes:

- A. Informational sessions and collaboration / coordination meetings with local, regional, state, and federal agencies about refined strategies and policies for wetlands conservation and restoration practices (*ongoing*)
- B. Updated geodatabase of ecological datasets (*ongoing*)
- C. Informational / educational materials for local, regional, and state agencies about the ecological datasets, wetlands data layers, and how to integrate the data into planning practices (*ongoing*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$74,252
IDOT	24,910
Subtotal	<u>\$99,162</u>

Local:

EWG	\$12,110
IDOT	<u>6,228</u>
Subtotal	<u>\$18,338</u>
TOTAL	<u><u>\$117,500</u></u>

SOUTHWESTERN ILLINOIS FLOOD PROTECTION INITIATIVE

2.25

Activities:

1. Provide staff support on an as-needed basis for the Southwestern Illinois Flood Prevention District Council to manage the financing, design and oversee the reconstruction of the flood protection systems along the Mississippi River in the Illinois counties of Madison, St. Clair and Monroe.
2. Work with the Flood Prevention Districts, and local governments.

Products/Outcomes:

- A. Provide progress updates to the Southwestern Illinois Flood Prevention District Council Board on the levee restoration plans (*ongoing*)

Estimated Costs:

Local:

Southwestern Illinois Flood Prevention Dist. Council	\$215,000
Subtotal	<u>\$215,000</u>
TOTAL	<u><u>\$215,000</u></u>

AIR QUALITY COORDINATION

2.32

Activities:

1. Coordinate air quality planning activities between Illinois and Missouri agencies (i.e. IEPA, MoDNR, Metro), and assist the states in preparing necessary revisions to the mobile source component of state implementation plans (SIP).
2. Organize and provide staff support for regular monthly meetings of the Air Quality Advisory Committee (AQAC) and Inter-Agency Consultation Group (IACG) comprised of federal and state air quality management agencies. Also, facilitate other ad-hoc technical committees that may be required by the state and federal agencies in their on-going air quality planning efforts.
3. Monitor and research the implications of federal and state air quality regulations in relation to new ozone and PM_{2.5} NAAQs (National Ambient Air Quality) standards and evaluate the region's progress in meeting air quality goals.
4. On an as needed basis, assist the IEPA and MoDNR in the assessment and collection of greenhouse emissions data and policy information.
5. Collaborate and facilitate with the Inter-Agency Consultation Group in the preparation of transportation air quality conformity determinations and findings.
6. Collaborate with transportation and environmental organizations to promote public awareness of air quality issues and conformity findings via AQAC, presentations, electronic notifications and the EWG website.
7. Act as a repository for daily measured ozone data gathered by participating agencies from their pollutant monitor systems during the ozone season (March 1 – October 31).
8. Facilitate the sharing of ozone air quality information between MoDNR, IEPA, EPA Regions V and VII, and other partner agencies.
9. Collect, rectify, quality assure and tabulate data to create a uniform and single data set of ozone monitoring information; maintain and manage database; and interpret data and create specific charts and regular reports for the partner resource agencies.
10. Distribute information to participating agencies via, mail postings on the EWG website, and weekly and monthly reports.
11. Maintain the ozone data on the EWG website.
12. Calculate AQ Index from ozone data and construct monthly AQI color-coded calendars.

AIR QUALITY COORDINATION

2.32

Products/Outcomes:

- A. Agendas, presentations, and proceedings for air quality committees, subcommittee, and consultation group meetings (*ongoing*)
- B. Updated technical work and files on all transportation control measure-related SIP and Conformity Determination issues and updates (*ongoing*)
- C. Weekly, monthly and special reports on ozone concentrations to participating agencies (*ongoing*)
- D. Web based, color-coded calendar, which graphically displays the AQI ozone data on a monthly basis for the ozone season (*July 1, 2018 to October 31, 2018 and March 1, 2019 to June 30, 2019*)
- E. An ozone database and updated postings on the EWG website (*ongoing*)

Estimated Costs:

Federal:

EPA

MoDNR- FY18/FY19	\$20,912
IEPA FY19	35,000
Subtotal	<hr/> \$55,912

State:

MoDNR	23,582
	<hr/> 23,582
TOTAL	<hr/> <hr/> \$79,494

MISSOURI REGIONAL 208 WATER QUALITY MANAGEMENT PLANNING
2.34

Activities:

1. Continue working with all regional stakeholders and local governments in the five Missouri counties to provide information on sewer and sewage treatment facility planning.
2. Meet with municipal and county governments and sewer districts on the status of their wastewater management and water quality activities.
3. Work with Missouri Department of Natural Resources to identify priorities to meet the anticipated needs of the region for the next 20 year period.
4. Provide general planning and education for communities for non-point source pollution, sludge, stormwater, watershed protection and other activities.
5. Facilitate intergovernmental cooperation for wastewater facility planning in the region.
6. Work with community leaders on water quality management planning and feasibility studies.
7. Prepare green infrastructure plans, including types of best practices, recommended locations and funding strategies
8. Support local communities in assessing and identifying their infrastructure needs and priorities.

Products/Outcomes:

- A. Updated information stored in GIS and digital maps (*ongoing*)
- B. Briefing papers and reports, power point presentations, and GIS products, which illuminate and support regional water quality issues (*ongoing*)
- C. Feasibility or pre-feasibility study scope of work that supports communities seeking to improve water quality and protect human health (*June 2019*)

**MISSOURI REGIONAL 208 WATER QUALITY MANAGEMENT PLANNING
2.34**

Estimated Costs:

Federal:

EPA

MoDNR 604(b) – \$20,000
FY 19

Subtotal \$20,000

TOTAL \$20,000

**WATERSHED PLANNING – LOWER MERAMEC
(WATER QUALITY COORDINATION)**

2.35

Activities:

1. Monitor implementation of the nine-element 2017 Lower Meramec River Watershed Plan and identify specific priority projects for short term and mid-range implementation and provide technical assistance to partners with implementation projects.
2. Coordinate activities and planning with partner agencies and organizations to secure funding to implement the Lower Meramec Watershed Plan.
3. Meet with local government officials in Franklin, Jefferson and St. Louis County, regarding Meramec River watershed issues, and obtain input to the plan and implementation.

Products/Outcomes:

- A. Reports summarizing implementation progress and bacterial load reductions based on projects included in the 2017 Lower Meramec Watershed Plan (*June 2019*)

Estimated Costs:

Federal:

EPA

MoDNR	\$75,000
Subtotal	<u>\$75,000</u>

State:

MoDNR	\$50,000
Subtotal	<u>\$50,000</u>
TOTAL	<u>\$125,000</u>

COMMUNITY BUILDING

2.38

Activities:

1. Assist in coordinating organizational support and development for member communities through local symposia, conferences, workshops, and field events on a wide variety of land-use and transportation issues related to developing prosperous, healthy, resilient communities throughout the metropolitan region.
2. Foster collaboration by working with local governments, state and federal agencies, local planning organizations, business partners, and academic institutions to address local and regional planning issues that better prepare communities to plan for transportation needs.
3. Support combined efforts of planning departments, transportation departments, and water resource management agencies to incorporate goals of watershed planning to minimize stormwater runoff and advance more cost effective transportation infrastructure planning activities.
4. Host the Water Resources Committee to provide coordination and facilitation of regional water resources issues, as related to transportation and economic development and provide information to local governments, transportation departments, sewer districts and interested citizens.
5. Respond to special requests from member communities for assistance with research, planning, and public educational programs to address economic, transportation, environmental topics.
6. Work with OneSTL partners on initiatives that address the interrelated needs of transportation infrastructure, water infrastructure, sanitary sewers, stormwater, flood mitigation, water quality, parks, trails, greenways, active living/healthy lifestyles and biodiversity.
7. Collaborate with fellow EWG staff on implementation opportunities for OneSTL goals and initiatives that address the transportation planning process and research priorities.
8. Through ongoing maintenance and use of the OneSTL website and toolkit of best management practices, share information about best practices, important trends, legislative issues, grants and initiatives related to transportation, land use, water and air quality, and development of healthy communities.
9. Maintain ongoing collaboration with local and regional partners to improve communications and understanding of federal, state, and local regulations related to local and regional planning in the interrelated disciplines of transportation infrastructure, water infrastructure and local government planning.
10. Conduct project intergovernmental reviews as required by state and federal agencies and provide project review information for the Board of Directors.

COMMUNITY BUILDING

2.38

Products/Outcomes:

- A. Responses to member communities and regional partners who seek planning, research and problem solving assistance on local and regional planning topics (*ongoing*)
- B. Conferences, symposia, and workshops for local government staff and elected officials that focus on land use and transportation issues (*ongoing*)
- C. Meeting facilitation, data assembly and analysis related to the implementation of OneSTL initiatives (*ongoing*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$283,740
IDOT	95,188
Subtotal	<u>\$378,928</u>

Local:

EWG	\$46,275
IDOT	23,797
Subtotal	<u>\$70,072</u>
TOTAL	<u><u>\$449,000</u></u>

**UPDATING THE ALL-HAZARD MITIGATION
PLAN FOR THE MISSOURI PORTION OF THE REGION**

2.39

Activities:

1. Review and revise the All-Hazard Mitigation Plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities.
2. Continued participation in the SEMA / FEMA and Missouri Association Council of Governments coordinated effort to maintain the All Hazard Mitigation Plan for the Missouri portion of the St. Louis region pursuant to the Disaster Mitigation Act of 2000.
3. Review and monitor hazard mitigation actions, grants, and the regulatory environment.
4. Monitor and review new and additional data and maps relating to hazard vulnerability and specific mitigation projects.
5. Respond to inquiries from participating communities, school districts, and community college districts on mitigation inquiries and ideas.
6. Work closely with SEMA, FEMA personnel on mitigation planning updates beginning January 2019.

Products/Outcomes:

- A. Information for participating communities regarding FEMA regulations and policy changes as it relates to hazard mitigation requirements and guidelines (*ongoing*)
- B. Complete draft plan update (*March 2020*); and final plan (*June 2020*)
- C. Increased awareness of citizens and public officials concerning mitigation strategies to reduce or eliminate the effects of natural disasters in the Missouri counties and communities of the region (*ongoing*)
- D. Dissemination and sharing of mitigation strategies and hazard data to participating communities (*ongoing*)

**UPDATING THE ALL-HAZARD MITIGATION
PLAN FOR THE MISSOURI PORTION OF THE REGION**

2.39

Estimated Costs:

Federal:

FEMA

SEMA	\$96,750
Subtotal	<hr/> \$96,750

Local:

EWG	\$32,250
Subtotal	<hr/> \$32,250
TOTAL	<hr/> <hr/> \$129,000

SUSTAINABLE COMMUNITIES PLANNING IMPLEMENTATION

2.42

Activities:

1. Work with partner organizations on the Steering Committee to secure funds (especially through HUD, DOT, EPA) to implement individual initiatives and future efforts of OneSTL.
2. Collaborate with Steering Committee partners to promote OneSTL.
3. Develop and maintain project priorities for OneSTL working through the OneSTL Network comprised of local governments, neighborhood organizations, not-for-profit organizations, businesses, private funders, community groups and residents in finding partners and financial resources to support implementation.

Products/Outcomes:

- A. Collaboration with wide range of organizations to achieve a healthy, vibrant and prosperous future for the St. Louis region (*ongoing*)

Estimated Costs:

Federal:

HUD/EPA/DOT	\$45,000
Subtotal	\$45,000

Local:

Other	\$45,000
Subtotal	\$45,000
TOTAL	\$90,000

MISSOURI NUTRITION INCENTIVE PROGRAM

2.45

Activities:

1. Identify key community organizations within the geographic area where the Food Incentive program is being implemented, i.e. school districts, community centers, libraries, clinics, low income housing, social service agencies, etc.
2. Obtain contact information for input into a communications plan regarding community communication outlets that are important targets to reach SNAP customers.
3. Work with community organizations and project partners to distribute fliers and other communication products to SNAP customers.
4. Attend meetings of and present Food Incentive program information to key community partners, as needed.
5. Prepare reports documenting outreach activities.

Products/Outcomes:

- A. Updated list of organizations to which to coordinate and distribute information included in the St. Louis specific communications distribution plan as program expands to additional stores and farmers markets (*May 2019*)
- B. Reports documenting outreach activities (*ongoing*)

Estimated Costs:

Federal:

USDA/Mid- America Regional Council (MARC)	\$67,875
Subtotal	<u>\$67,875</u>

Local:

Other / MARC	<u>\$22,625</u>
Subtotal	<u>\$22,625</u>
TOTAL	<u><u>\$90,500</u></u>

REGIONAL SECURITY

Background

St. Louis Area Regional Response System (STARRS) is a consortium of key public and private organizations that has been organized to address critical security needs in the region. With East-West Gateway as the fiscal agent for STARRS, a partnership was created that enables professionals in many key fields relating to emergency management to work together to better prepare the region to prevent and respond to natural disasters and terrorist acts, and provides for accountability to the region's chief local elected officials.

The geographic divisions in the St. Louis region require that homeland security responses be carefully planned by a collaborative organization that spans the area's fragmented political landscape. In addition, the complexity of a regional response to a myriad of potential threats, whether naturally occurring or intentional, requires the involvement of a wide variety of disciplines – healthcare, public safety, public health, emergency response, communications, and many others. It also requires a partnership between public and private sectors, since many key assets are privately owned and operated. The purposes of the work elements in this category are to provide the organizational framework for STARRS to accomplish the plans and develop the systems that are necessary for an effective regional security response, and to support through capital purchases and training the many agencies that will ultimately be responsible for response to major incidents and disasters. The most significant projects that will be part of the agency's work in FY 2019 are the continued update of the St. Louis Regional Threat and Hazard Identification and Risk Assessment (THIRA) and the Multi Year Training & Exercise Plan and the development of the St. Louis Regional Health Care Coalition Emergency Response Plan. When completed, the response plan will integrate the region's individual hospital plans with regional and state emergency response plans and serve as the overall St. Louis Regional Health Care Coalition Response Plan, which includes all healthcare systems, agencies or organizations that provide healthcare during an emergency. This includes emergency management, emergency medical services (EMS), fatality management, hospitals and local public health agencies.

Urban Area Security Initiative – The Council receives funding from Missouri Office of Homeland Security/Department of Homeland Security/Federal Emergency Management Agency (MO OHS/DHS/FEMA) to administer and implement the Urban Areas Security Initiative (UASI) grant program in the St. Louis region. The work under this grant includes providing support to critical incident response teams and Citizen Preparedness programs, supporting information and intelligence sharing among agencies, and supporting cross-jurisdictional cooperation among emergency services providers. This grant also supports the purchase of equipment to support mass casualty capability, disaster preparedness and response, and training exercises.

St. Louis Area Regional Response System Support – The Council receives funding from the St. Louis Area Regional Response System to conduct activities for the STARRS program. The funding supports various administrative tasks performed by Council staff for STARRS. In

addition, the funding will also support conducting an inventory and assessment of emergency response cache equipment and supplies purchased through STARRS and grant programs associated with STARRS.

Bioterrorism Preparedness for Hospitals – EWG receives funding from the Missouri Department of Health and Senior Services/U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness & Response (MoDHSS/ASPR) to support hospitals, local public health agencies and general healthcare facilities in the St. Louis region in planning, preparing for, and responding to all-hazard events. Staff supports plans for enhancing hospitals' surge capacity in mass fatality and patient care during a mass casualty incident. Other efforts include enhancement of the region's healthcare agencies' capacity to: treat patients with major trauma or burns, decontamination of patients and personnel, distribution of medicine and medical supplies during biological events, and interoperable communications capability.

Complex Coordinated Terrorist Attack Grant Program – EWG receives funding from the Federal Emergency Management Agency / U.S. Department of Homeland Security to identify capability gaps related to preparing for, preventing, and responding to a complex coordinated terrorist attack, to develop and advance regional partnerships and whole community collaboration, to train personnel and the whole community to implement the plans and processes and build needed capabilities, and conduct exercises to test capabilities and identify opportunities for additional corrective action.

Summary of Estimated Costs for Functional Area:

2.81 Urban Area Security Initiative	\$6,178,428
2.86 St. Louis Area Regional Response System Support	25,000
2.88 Bioterrorism Preparedness for Hospitals	353,881
2.90 Complex Coordinated Terrorist Attack Grant Program	1,430,043
TOTAL	\$ 7,987,352

URBAN AREAS SECURITY INITIATIVE (UASI)

2.81

Activities:

1. Continue working with regional subject matter experts from fire and law enforcement agencies, healthcare, public health, non-governmental organizations, and elected officials to update and maintain the regional emergency resource coordination plan for the St. Louis metropolitan region.
2. Perform system administration monitoring of the St. Louis Regional Digital Microwave Network across 70+ tower sites in the City of St. Louis, Jefferson, Madison, Monroe, St. Clair, St. Charles, and St. Louis Counties.
3. Support the critical incident response teams through the sustainment of seven hazardous materials teams, five heavy rescue teams, two ordinance disposal (bomb) teams, and seven law enforcement tactical operations units within the region.
4. Enhance healthcare capability to handle mass casualties and infectious disease outbreaks with sheltering equipment, medical supplies, decontamination equipment, and training.
5. Enhance law enforcement intelligence sharing while working with the St. Louis Regional Fusion Center and Terrorism Early Warning Unit in support of local law enforcement and other agencies in the use of law enforcement intelligence bulletins distributed among agencies and policy makers in the metropolitan area.
6. Support citizen preparedness programs that address local efforts to achieve greater community resilience from the threats of crime, terrorism, and disasters.
7. Support cross-jurisdictional cooperation among emergency service providers in the region by coordinating the collection, integration, and distribution of geographic data and orthoimagery.
8. Purchase capital equipment and services to support the implementation of plans.

Products/Outcomes:

- A. Plans in place for interoperable communications, critical incident response, disease surveillance, and a coordinated citizen response (*ongoing*)
- B. Interagency agreements necessary to implement critical incident response plans (*ongoing*)
- C. Training exercises to test the validity and reliability of homeland security plans (*ongoing*)
- D. Seamless regional data files (i.e. addressable centerlines, orthoimagery) distributed to emergency service providers (*ongoing*)

URBAN AREAS SECURITY INITIATIVE (UASI)

2.81

Estimated Costs:

Federal:

DHS

MO OHS	
FY18	\$2,691,400
MO OHS	
FY17 / FY16 /	
FY15	
(carryover)	<u>3,487,028</u>
Subtotal	<u>\$6,178,428</u>
TOTAL	<u>\$6,178,428</u>

ST. LOUIS AREA REGIONAL RESPONSE SYSTEM SUPPORT

2.86

Activities:

1. Administrative support of the St. Louis Area Regional Response System (STARRS) programs, including Board meetings, committee meetings and other STARRS-related functions.
2. Review of policies and procedures as they relate to STARRS, STARRS Board, Committees, and Sub-committees.
3. Accounting support of STARRS programs.

Products/Outcomes:

- A. Agendas, presentations, minutes and proceedings for STARRS Board meetings (*ongoing*)
- B. Financial document reconciliation for STARRS program (*ongoing*)
- C. Revisions to policies and procedures as they relate to STARRS, STARRS Board, Committees and Sub-committees (*as needed*)

Estimated Costs:

Local:

STARRS	<u>\$25,000</u>
Subtotal	<u>\$25,000</u>
TOTAL	<u><u>\$25,000</u></u>

HOSPITAL PREPAREDNESS PROGRAM

2.88

Activities:

1. Establish and sustain a Healthcare Coalition (HCC) with a governance and coordination structure to support cooperation between individual hospitals and healthcare facilities during disasters and emergency events within the HCC boundaries.
2. Establish and sustain HCC committees and work groups consisting of the core partners of hospitals, emergency medical services (EMS), public health, emergency management, and fatality management.
3. Include members in the HCC from all healthcare facility and service types in planning, training, and exercise as well as event coordination and information sharing.
4. Develop, enhance, and test HCC preparedness, response, recovery, and continuity of operations (COOP) plans for all-hazard events. *(Staff and consultant)*
5. Prepare and update annually a hazard vulnerability assessment (HVA) for the HCC. Use the HVA to help determine resource needs and gaps. *(Staff and consultant)*
6. Develop, enhance, and sustain interoperable communications and information sharing systems to allow real time coordination between hospitals and other HCC partners responding to a medical surge event.
7. Develop a system for coordination of public messaging between HCC members throughout the region.
8. Assess and maintain an inventory of existing deployable and shareable healthcare and medical resources that allows deployment and maintenance tracking and management of shelf life and expiration dates.
9. Develop an HCC sustainment model for grant funded sharable and deployable resources.
10. Conduct a supply chain integrity assessment to evaluate equipment and supply needs that will be in demand during emergencies. Develop strategies to mitigate potential shortfalls.
11. Identify at risk populations and individuals who may have functional or access needs and require additional medical assistance during disaster or emergency events.
12. Develop and maintain a training and exercise program to address gaps identified in gaps analyses.
13. Support the integration of plans between hospitals and local public health, law enforcement, fire and emergency medical services agencies, as well as volunteer organizations.
14. Support hospitals' plans for enhancing surge capacity in patient care during a mass casualty incident.

HOSPITAL PREPAREDNESS PROGRAM

2.88

15. Support hospitals' plans for enhancing surge capacity in mass fatality in a catastrophic incident.
16. Support the HCC in managing infectious disease patients.
17. Support HCC partners in addressing behavioral health needs associated with disasters for patients and staff.
18. Support HCC hospitals in increasing their capacity to treat patients with major trauma or burns.
19. Support HCC hospitals in increasing their capacity to receive, stabilize, and manage pediatric patients during a medical surge response.
20. Support regional healthcare partners in development of plans for distribution of medicine and medical supplies during a disaster event.
21. Enhance the hospitals' capability to provide decontamination of patients and health care personnel.
22. Continue building healthcare partnerships and coalitions with regional organizations, such as the Red Cross, Long Term Care Facilities, and governmental entities.
23. Purchase capital equipment and services to support the implementation of plans.

Products/Outcomes:

- A. Purchase supplies and equipment to sustain and enhance medical surge capabilities for HCC partners (*ongoing*)
- B. Develop and maintain all-hazard preparedness plans such as Regional Healthcare Coordination Plan / St. Louis Medical Operations Center, Alternate Care Sites Plan, Hospital Evacuation and Transport Plan, and Regional Mass Fatality Plans (*ongoing*)
- C. Training and exercises to test the validity and reliability of existing plans and for capabilities such as hospital evacuation, alternate care sites, and decontamination (*ongoing*)
- D. Continuing education programs and workshops for topics such as large incident regional healthcare coordination, pediatric surge, mass casualty due to terrorist attack, ambulance strike team leader certification, hazardous material decontamination procedures (*ongoing*)

HOSPITAL PREPAREDNESS PROGRAM

2.88

Estimated Costs:

Federal:

ASPR/DHHS	<u>\$353,881</u>
Subtotal	<u>\$353,881</u>
TOTAL	<u><u>\$353,881</u></u>

COMPLEX COORDINATED TERRORIST ATTACK GRANT PROGRAM

2.90

Activities:

7. Design and conduct a series of operational exercises that requires increasing levels of coordination among regional response agencies, requiring response agencies to establish a unified command and multiple area commands.
8. Develop a complex coordinated terrorist attack (CCTA) response plan that engages all appropriate regional partners, and includes matrices and field guides. *(Staff and consultant)*
9. Incorporate CCTA plan into planned and scheduled training courses.
10. Conduct a series of operational exercises that test and validate CCTA plan.
11. Conduct scenario-based workshops to develop protocols by discipline. *(Staff and consultant)*
12. Develop guides for use by front line personnel for integration of specialized teams. *(Staff and consultant)*
13. Develop guides, protocols and forms for intelligence information sharing to and from the fusion center to responders, and identify communication mechanisms to share information. *(Staff and consultant)*
14. Test newly developed guides, protocols and forms through training and exercises.

Products/Outcomes:

- E. The Complex Coordinated Terrorist Attack Response Plan, designed as a result of various operational exercises and coordination with regional response agencies *(June 2020)*
- F. Guides, protocols and forms for front line personnel for integration of specialized teams *(June 2020)*
- G. Guides, protocols and forms for information sharing *(June 2020)*

Estimated Costs:

Federal:

DHS / FEMA	<u>\$1,430,043</u>
Subtotal	<u>\$1,430,043</u>
TOTAL	<u>\$1,430,043</u>

POLICY

Total budgeted for this program area: \$349,000

REGIONAL POLICY ANALYSIS

Background

The work elements organized under Regional Policy Analysis reflect the agency's commitment to better understand the fiscal condition of the region as it pertains to transportation planning and public service investment. They also lay the groundwork for future planning efforts across the agency.

Through a comprehensive analysis of our regional transportation and public service investment policies, the agency aims to understand the relationship between regional fiscal patterns and priorities and economic growth. Across the country, many local governments are increasingly facing a fiscal crisis – public revenues are significantly down while the demand for many public services is up. The states of Missouri and Illinois and local governments of the bi-state St. Louis region have not been spared. The revenue crisis has created tensions between different levels of government and between neighboring jurisdictions, as each struggle to find ways to increase its share of the shrinking resource pie. Although the relationship between investments in public services and economic development is not well understood, such understanding of the region is vital to support our infrastructure needs, as well as the economic and social vitality of the region.

There is no crystal ball to show us the future direction of the region. It is clear however, that there are many critical issues that affect the region's overall sustainability and health. Drawing upon information highlighting the region's current social, economic and environmental health and using that as a basis to begin a serious dialogue regarding the region's future and how it will be influenced by the nature and scope of the region's transportation system is critical to the research and policy work carried out by the agency. Drawing on this data and research, staff in the Policy area will draw conclusions and offer ideas about where the region is heading, and how to effect change, if change is deemed necessary by area decision makers.

The two work elements described in this section represent the agency's efforts to use available research and data resources to inform policy and decision-making.

Transportation Finance – The future of transportation funding continues to be uncertain. With local, state and federal transportation funding mechanisms stressed to their limits, the agency will research the present and future state of transportation funding as it affects the region. To maintain the current highway and transit funding models used in the TIP, the RTP, and corridor studies, it is essential to evaluate current long- and short-term financial trends based on reasonably anticipated revenues. This research also will establish baseline needs for preserving and maintaining the current system and identify funds available for transportation system enhancement and expansion.

Regional Competitiveness – The regional competitiveness element consists of three main tasks. First, staff will assemble and analyze comparative data to assess how the St. Louis region compares with peer metropolitan areas across numerous social and economic indicators. Second, staff will work with regional partners to track performance on addressing regional challenges and

meeting the region’s goals. Third, staff will assemble data to assess and situate the market position of the regional economy, and research best practices and policy options for improving economic performance.

Summary of Estimated Costs for Functional Area:

3.01 Transportation Finance	\$23,000
3.06 Regional Competitiveness	326,000
Total	\$349,000

TRANSPORTATION FINANCE

3.01

Activities:

1. Revise highway and transit funding models used to establish financial capacity for the RTP, TIP, and corridor studies.
2. Evaluate current funding data and trends.
3. Identify and evaluate alternative funding scenarios based on existing and potentially new revenue sources at the federal, state, and regional levels.
4. Monitor and participate, where warranted, in state action on potential transportation funding initiatives; prepare informational materials and presentations on these programs.
5. Establish financial constraint for the RTP, TIP, and other planning initiatives.

Products/Outcomes:

- A. Revised financial database and forecasting models (*ongoing*)
- B. Reports or presentations on future transportation funding, alternative funding scenarios, and specific funding proposals (*ongoing*)
- C. Financial constraint inputs for the RTP and TIP (*Winter 2019*)

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$14,535
IDOT	4,876
Subtotal	<u>\$19,411</u>

Local:

EWG	\$2,370
IDOT	1,219
Subtotal	<u>\$3,589</u>
TOTAL	<u>\$23,000</u>

REGIONAL COMPETITIVENESS

3.06

Activities:

1. Continue to use and update *Where We Stand* information and data to identify issues critical to the fiscal, economic, and social well-being of the region.
2. Develop relevant and functional policy analysis products to facilitate regional discussions about these issues to support the transportation planning process.
3. Work with regional partners to: track performance on addressing regional challenges and meeting the region's goals; provide updated data and contextual information that enables regional and local leaders to understand the region's challenges and opportunities; and update the performance indicators used for measurement based on local knowledge and data availability.
4. Assemble data, issue reports and update agency webpage content on topics of regional significance.
5. Monitor and analyze federal and state statutes and regulations that affect the region.
6. Respond to inquiries and research requests from the Board and local governments.
7. Attend conferences and meetings that further the understanding of social and economic issues related to transportation planning in the region.

Products/Outcomes:

- A. Research reports and presentations that illuminate research findings on issues of regional significance (*ongoing*)
- B. Webpage and summary report on the region's status in meeting regional goals based on a set of performance indicators (*ongoing*)
- C. Multiple data sets relating to issues of regional significance (*ongoing*)
- D. Policy memos, webpage content, and briefings/blog posts highlighting regional issues (*ongoing*)

REGIONAL COMPETITIVENESS

3.06

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$206,012
IDOT	69,112
Subtotal	<u>\$275,124</u>

Local:

EWG	\$33,598
IDOT	17,278
Subtotal	<u>\$50,876</u>
TOTAL	<u><u>\$326,000</u></u>

COMMUNITY ENGAGEMENT AND
LOCAL GOVERNMENT SERVICES

Total budgeted for this program area: \$384,250

COMMUNITY ENGAGEMENT AND LOCAL GOVERNMENT SERVICES

Background

East-West Gateway staff members participate in numerous community engagement activities in order to better understand and represent the needs and concerns of regional citizens and our member governments and to engage citizens and local government officials in our regional problem solving activities. The agency's Public Involvement Plan is designed to ensure a regional public involvement process that is proactive in providing complete information, timely public notice, diverse techniques, full public access to key decisions, and early and continual involvement in the development of regional plans and community building programs.

Our commitment and approach is based on three important tenets:

- Citizens should know how decisions are made about the investment of tax dollars in public projects.
- Individuals and communities affected by the outcome of regional decisions want to have their opinions and perspectives taken into consideration.
- Planners cannot maintain current and relevant knowledge about regional problems without learning from citizens directly affected.

The community engagement process involves cross cutting elements in East-West Gateway's planning responsibilities in transportation, community planning, environment, land use, regional security, research services and economic growth. The community engagement staff works with all agency departments to support and assist in the planning and implementation of agency community involvement activities. The staff works also with other agencies interested in regional issues, i.e., transportation, workforce diversity, housing, sustainability, and community development to ensure high levels of quality information and ample opportunities for meaningful involvement.

Presentation to the public and regional stakeholders of complex information is enhanced by the use of high quality visual presentation and informational videos assisted by the GIS staff, graphic design, and consultants when necessary. In addition, staff has integrated the use of computer simulation models to look at long-term impacts and future scenarios in land-use alternatives and transportation planning.

Over the coming year staff will continue to implement the agency's public involvement plan and continue to look for opportunities to expand the agency's reach to a public that relies less on traditional means of communication and information gathering. Information, calendars, events, meetings, and surveys can be managed interactively in new ways that will help keep the agency current with technology and expanding its audience. Community engagement staff will also work with specific program staff to develop and implement customized approaches to public engagement that fits the needs of the project/initiative.

A wide array of techniques and approaches are employed in the community engagement process:

- East-West Gateway Committees.
- External Committees and Partnerships.
- Publications, i.e., Gateways; Local Governments Briefings; Where We Stand; How We See It; Talking the Talk, A Pocket Guide to the Language of Transportation Planning; Annual Public Officials Directory; and various informational brochures.
- Print Media.
- The Internet, e.g., www.ewgateway.org, other electronic media and visualization techniques.
- Social Media
- Informational Videos
- Technical Assistance and Training.
- Workshops and Conferences.

Public Involvement – This element represents an ongoing commitment to create an objective, informed, trusting, and open partnership with local governments, public agencies, the private sector, and the citizens of the St. Louis region. Obtaining public input and comment is essential to the creation of comprehensive plans. Public involvement includes added emphasis on outreach to underserved and hard to reach populations and employment of new techniques to reach citizens who rely less on traditional outlets for information.

Summary of Estimated Costs for Functional Area:

4.01 Community Engagement – Public Involvement	\$289,250
Total	\$289,250

COMMUNITY ENGAGEMENT – PUBLIC INVOLVEMENT

4.01

Activities:

1. Update, maintain, and implement the Public Involvement Plan (PIP) and track and evaluate plan effectiveness in EWG's transportation planning efforts and review and assess the goals in the PIP and update as appropriate.
2. Assist agency departmental program staff with the development of appropriate engagement strategies and formats and implementation of specifically targeted community engagement plans for agency projects including short-range and long-range transportation planning.
3. Disseminate information through regular publication of *Local Government Briefings*.
4. Create and identify new opportunities and techniques for the agency to engage member communities in conversations and encourage public participation in EWG's transportation planning efforts (e.g. TIP).
5. Enhance engagement and outreach efforts by establishing and hosting meetings of a diverse, cross-sector advisory panel of young professionals and a group of community engagement professionals in the region to both exchange best practices and expand the reach of the agency's outreach and engagement efforts.
6. Develop educational / informational materials, as needed, (e.g. program and informational videos, interactive mapping, web-based content, other electronic media) to optimize public understanding of EWG's transportation planning activities, and help encourage public participation in EWG's transportation planning efforts.

Products/Outcomes:

- A. Documentation of the targeted community engagement planning process meetings and report(s) on the implementation of these initiatives (*ongoing*)
- B. Weekly publication of *Local Government Briefings* (*ongoing*)
- C. Collection of agency Activity Tracker and Activity Evaluations to support incremental and year end assessments of community engagement activities (*ongoing*)
- D. Updated Public Involvement Plan (*June 2019*)
- E. Educational / informational materials about EWG transportation planning activities, as needed (*ongoing*)

**COMMUNITY ENGAGEMENT – PUBLIC INVOLVEMENT
4.01**

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$182,788
IDOT	<u>61,321</u>
Subtotal	<u>\$244,109</u>

Local:

EWG	\$29,811
IDOT	<u>15,330</u>
Subtotal	<u>\$45,141</u>
TOTAL	<u>\$289,250</u>

LOCAL GOVERNMENT SUPPORT

Background

East-West Gateway is committed to strengthening local governmental jurisdictions (our membership) through the provision of technical assistance, information dissemination, policy analysis, and education to elected and non-elected officials and staff and the communities they serve. Through local government support, the agency provides tools, assistance, and resources for local officials to make better and more informed decisions and fosters collaboration and cooperation between units of federal, state, and local governments.

These efforts include the Local Government Partnership, a collaborative effort between the East-West Gateway Council of Governments and University of Missouri-St. Louis Public Policy Administration (UMSL PPA). The partnership exists to create a resource in the St. Louis region and statewide through which senior local government officials can access quality information, technical assistance, and training that will enhance the capacity of their municipalities to address and respond to existing and emerging constituent and governmental needs.

Local Government Partnership – EWG will continue to collaborate with UMSL PPA Program to create information and training support and opportunities for local governments. These collaborative efforts include offering training opportunities like the Chancellor’s Certificate in Planning and Zoning Program and other training workshops and classes. EWG will continue to work with the St. Louis Area City Managers Association (SLACMA), the Southwestern Illinois City Management Association (SWICMA) and the Missouri City Clerks and Finance Officers Association–Eastern Missouri (MCCFOA) on programming for local governments and their constituents. EWG will also continue its support of local communities by providing strategic planning and facilitation assistance, and providing planning and implementation support for local conferences and workshops. The annual Public Officials Directory will also be published.

Local Government Assistance – EWG will continue to support local governments in the region by providing technical assistance to local communities in the areas of public administration, personnel plans, consultant selection, budgeting, and grant writing. EWG will also plan, coordinate, and manage the East-West Gateway Annual Meeting and Awards program.

Summary of Estimated Costs for Functional Area:

4.11 Local Government Partnership	\$70,000
4.97 Local Government Assistance	25,000
Total	\$95,000

LOCAL GOVERNMENT PARTNERSHIP

4.11

Activities:

1. Maintain regular contact with local government members and partner agencies and provide technical assistance, training, and information/outreach services on governance, transportation planning, economic development, and environmental concerns.
2. Increase effectiveness and efficiency of local government services by fostering regional collaboration and partnerships to enhance better decision making transportation planning activities.
3. Continue collaboration with the UMSL PPA to create information and training resources related to transportation planning for local government employees and officials entering the local government sector and the communities they serve.
4. Update and produce the East-West Gateway Public Officials Directory.
5. Continue to work with organizations such as the SLACMA, the SWICMA, the Missouri City Clerks and Finance Officers Association-Eastern Division, the Municipal League of Metro St. Louis, the American Planning Association- St. Louis Metro section, and the UMSL Center for International Studies on providing programming specific to transportation planning process for local governments.
6. Continue to build partnerships with regional stakeholders and other organizations in the private and public sectors to identify shared priorities. Provide information to member governments about transportation funding opportunities, and provide assistance to member communities offering transportation planning workshops and conferences.
7. Meet with mayors, city managers and other local officials and agencies to share information on best practices, the application process, technical assistance projects and implementation of projects to local governments related to transportation planning activities.
8. Develop training opportunities and related informational / educational materials for local government officials, member governments, young professionals, and hard-to-reach and underserved populations on issues of regional importance (e.g. transportation, community building, the environment, ADA, Title VI, economic opportunity).

Products/Outcomes:

- A. Targeted training opportunities and related materials, such as those offered through UMSL, including continuation of the Chancellor's Certificate in Planning and Zoning Program in cooperation with the APA- St. Louis Metropolitan Section and Fundamentals of Economic Development in cooperation with the Urban Land Institute St. Louis (*ongoing*)
- B. Public Officials Directory in electronic and printed versions and made accessible on the agency website (*electronic version – continuously updated, New edition released July 2018*)

LOCAL GOVERNMENT PARTNERSHIP
4.11

Estimated Costs:

Federal:

Trans Planning Funds

MoDOT	\$44,236
IDOT	14,840
Subtotal	<u>\$59,076</u>

Local:

EWG	\$7,214
IDOT	<u>3,710</u>
Subtotal	<u>\$10,924</u>
TOTAL	<u>\$70,000</u>

LOCAL GOVERNMENT ASSISTANCE

4.97

Activities:

1. Plan, coordinate, and manage the 2018 East-West Gateway Annual Meeting and Awards program recognizing achievement by local agencies and citizens.
2. Provide technical assistance to member communities in the area of public administration, personnel plans, recruitment, consultant selection, budgeting, grant writing, etc.
3. Work towards enhancing the capacity and capabilities of local government employees throughout the region by encouraging participation in professional development opportunities.

Products/Outcomes:

- A. Annual Meeting of the East-West Gateway Council including the Outstanding Local Government Achievement Award Program (*November 2018*)
- B. Reports, plans, or studies in accordance with fee for service and/or in-kind service contracts or agreements (*ongoing*)

Estimated Costs:

Local:

EWG	<u>\$25,000</u>
Subtotal	<u>\$25,000</u>
TOTAL	<u><u>\$25,000</u></u>

APPENDICES

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
FOR UPWP ELEMENTS**

1.01 REGIONAL TRAVEL DEMAND MODELING & SYSTEM EVALUATION

During FY 2018, staff worked on a range of traffic modeling and data related tasks. Staff trained internally on the use of the travel demand model, this model uses very advanced techniques and the latest available data. Staff provided modeling support and demand forecasts to state, regional, and local agencies. Staff worked on developing indices and other measures used in project evaluation. Staff worked on compiling input databases for the EPA air quality model Motor Vehicle Emissions Simulator MOVES2014a, for regional air quality conformity analyses required for the annual TIP, and finalized the development of post processing program to automate the handling of large output databases from the air quality model and summarizing results. Staff received FHWA approval for the system wide update of the Functional Classification System for the eight counties in the metropolitan planning area.

1.05 GEOGRAPHIC INFORMATION SYSTEM IMPLEMENTATION

Throughout FY 2018, East-West Gateway maintained its geographic information system (GIS) at the current industry standard with a shift toward utilizing geodatabase formats. Staff developed methods for rapidly estimating maximum development potential by Transportation Analysis Zone to support land use projections. Staff created new automated templates for generating functional classification maps. Staff continued to distribute the 2015 aerial photography data and other requested datasets. Staff acquired and processed new data including refined urban land cover and municipal boundaries. Staff acquired training materials for geostatistical analysis and bivariate mapping techniques. Staff continues to lead the St. Louis GIS User Group and periodically hosts meetings of the group. Work is underway on an extensive update of the open space file.

1.06 INFORMATION MANAGEMENT AND SERVICES

During FY 2018, staff continued to update the contents of the Council's newly redesigned web site www.ewgateway.org. Major updates were completed to the Master Client Database, the database used to track and contact planning process participants and local officials. Staff updated the process of collecting CMAQ project application information online via the Council's web site. Staff created website applications that allowed the public to browse and comment on proposed Transportation Alternatives Program (TAP) projects during the public comment period.

1.12 REGIONAL DECISIONS SUPPORT SYSTEMS

During FY 2018, staff collected and analyzed socioeconomic and demographic information to support planning activities of internal staff and agency members for reports, performance measures, project evaluation processes and other pertinent activities supporting regionalism. Staff maintained internal platform for updating agency's databases and provided technical assistance to agency staff, local governments and general public. Staff developed population and employment forecasts and scenarios to support the travel demand modeling system. Staff also acquired and processed large data sets, including American Community Survey, Dun and Bradstreet employment data, Longitudinal Employer-Household Dynamics data and regional crash data from state Department of Transportations. Staff provided data for the new Agency

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
FOR UPWP ELEMENTS**

website. Staff responded to data requests from local governments and the general public, providing technical assistance and training as necessary.

2.01 INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT

During FY 2018, staff presented the 2016 Annual Congestion Report to the Board, this report provided an annual review of regional congestion. Staff led the regional effort on defining the congested CMP network, development of performance measures, data sources, identification of congested locations, and mobility project evaluation reports. Staff coordinated with regional and state partners in managing the regional Congestion Management Process and carried out the responsibilities of maintaining the Regional Intelligent Transportation System (ITS) Architecture. Bi-monthly meetings of the Congestion Management and Operations Committee were held to support these efforts and encourage integrated regional operations. Staff assisted with evaluation of TIP project applications and update of TIP project evaluation criteria.

2.03 TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING

During FY 2018, the Board of Directors approved the FY 2018-2021 TIP, and staff performed activities to support development of the FY 2019-2022 TIP. Staff also prepared TIP amendments, air quality conformity determinations, annual listing of obligated projects, and conducted local project tracking. Project tracking ensures projects moved forward according to schedule. This includes bi-monthly tracking updates from sponsors and monthly reports. Staff updated STP-S applications for 2018 project solicitation. Staff began development of TIP/RTP database.

**2.04 TRANSPORTATION PLANNING DATA COLLECTION AND ANALYSIS;
INTEGRATED TRANSPORTATION SYSTEM MANAGEMENT (MoDOT):**

In FY 2018, MoDOT staff acquired, reviewed, and analyzed traffic data and provided an updated traffic count database for use in EWG's travel demand model. MoDOT staff produced an updated Regional Integrated Systems Management Architecture. MoDOT staff continued work to implement the Regional Arterial Management System – Gateway Green Light. MoDOT staff participated in regional M&O, ITS, CMP, and regional Architecture partner meetings and activities.

2.05 TRANSPORTATION SAFETY INITIATIVE

During FY 2018, staff participated in meetings and activities of the Missouri Coalition for Roadway Safety which included attending the state-wide Traffic Safety and Blueprint Conference. Staff participated in the Jefferson County Safety First Coalition meetings, and continued to partner with MoDOT to bring the St. Louis Youth - Drive for Tomorrow teen safety program to the Missouri side of the St. Louis metropolitan area. Staff participated in a pedestrian safety audit that was ran by FHWA and FTA on Natural Bridge Road. Staff continued to work on the Surface Transportation Block Group (STP-S) program safety evaluation criteria, which was approved by the Board of Directors at its January meeting. Staff

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
FOR UPWP ELEMENTS**

will complete a pedestrian crash analysis as well as a bicycle crash analysis for the St. Louis region. Staff will attend a national safety conference called Lifesavers Conference: National Conference on Highway Safety Priorities.

2.06 DRIVE FOR TOMORROW PROGRAM

During FY 2018, staff coordinated with MoDOT to fund the St. Louis Youth – Drive for Tomorrow program. MoDOT and staff secured presenters to bring the program to the local high schools. Staff held numerous meetings and conference calls with MoDOT and the presenters over the year to develop the program. The program will be in ten high schools in March and April of 2018.

2.07 TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)

During FY 2018, Metro staff prepared progress reports and prepared reports regarding MetroLink, MetroBus, and Call-A-Ride operating and ridership information, as well as on-time performance reports, and route performance reports. Metro staff continued to advance the implementation of an automated fare collection project. Metro staff conducted Section 15 sampling and reporting and conducted / monitored service planning. Metro staff continued work on the Northside-Southside MetroLink corridor conceptual design study and supported other regional projects (e.g. Great Streets). Metro staff progress forward with a bus stop accessibility project and system-wide signage updates. Metro staff continued work on Metro Reimagined – Metro’s comprehensive operational analysis.

2.09 TRANSPORTATION PROGRAM ADMINISTRATION

During fiscal year 2018, staff reported on disadvantaged business enterprise accomplishments for MoDOT and FTA. Staff completed and submitted the FY 2017 UPWP completion report. Staff created sub-awards and consultant contracts, as needed. Staff monitored the work on the FY 2018 UPWP and drafted and reviewed FY 18 work program progress reports. Staff worked on updating the Title VI Program. Finally, staff developed the FY 2019 UPWP. Work in these areas will continue into the FY 2019 UPWP.

2.11 MULTIMODAL TRANSPORTATION PLANNING

Accessibility and Paratransit Planning:

During FY 2018, EWG staff participated in the Jefferson County Coordinated Human Services Transportation Plan, Transit Access for St. Charles County, and the Disability Transportation Resource Network meetings. Staff also provided information on funding for projects that address ADA accessibility. Staff participated in discussions around the issue of ADA transition plans.

Bicycle and Pedestrian Planning:

During FY 2018, EWG staff worked on a Bicycle Planning Guide to inform TIP project sponsors on “best practices” and low-stress bicycle facilities. Staff developed a Bicycle and Pedestrian

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
FOR UPWP ELEMENTS**

Crash Analysis to inform project sponsors of regional crash rates and associated safety countermeasures. The 2017 Bicycling and Walking Survey was closed and staff worked to produce a report analyzing those results, to be shared with regional partners and sponsors. Staff also updated the existing bicycle network in GIS, which was shared with regional partners and included in the OneSTL performance report. Staff continued to work with Great Rivers Greenway (GRG) to implement the Gateway Bike Plan; organized quarterly Bicycle and Pedestrian Advisory Committee (BPAC) and Gateway Bike Plan – Working Group (GBP-WG) meetings; and aided in the development of the Gateway Bike Plan 2017 Report. Staff updated the Surface Transportation Block Grant (STP-S) program bicycle and pedestrian evaluation criteria. Staff participated in the St. Louis Bike Share Working Group, St. Louis City Bicycle Implementation Group, Missouri Public Transit Association, Trailnet’s Vision – Destination and Routes Committee, and St. Louis County Complete Streets Peer Advisory Committee meetings. Staff reviewed and provided new bicycle and pedestrian material for the EWG website.

Intermodal Freight Planning:

During FY 2018, staff coordinated with the St. Louis Regional Freightway on various regional infrastructure, logistics and supply chain issues, and economic development decisions. Staff worked on multiple tasks, such as beginning the process of updating various data sets that were used in the St. Louis Regional Freight Study [2013] and continued to compile data (shapefiles) for the freight-related GIS Database. Staff worked with the St. Louis Regional Freightway on data sharing opportunities, as well as participating in the identification of Regional Freight Priorities (Portfolio), as it relates to transportation priority projects for the St. Louis Regional Freightway. Staff continued to refine the employment and transportation data needed for marketing purposes, as it relates to the County Freight Scans. Staff shared those findings with The Freightway and local stakeholders. Staff participated in numerous discussions around the issues of freight, as it relates to the multimodal transportation network in the St. Louis Region. Staff attended local and national conferences related to freight and transportation and have shared best practice materials with The Freightway and our local stakeholders.

2.12 GREAT STREETS CHARRETTE – ILLINOIS

During FY 2018, staff prepared materials for and posted a call for project applications. Staff held a half day workshop / symposium for potential project applicants. Staff received and reviewed project applications and selected Collinsville, Illinois as the site for the planning effort. Coordinating with Collinsville staff, staff refined the work scope and issued a solicitation for professional planning services. Staff hosted a consultant pre-submittal meeting. An insufficient number of proposals were submitted, requiring staff to re-solicit for professional services and re-set the procurement process. This required the planning effort to be postponed until FY 2019. Staff also followed up with project sponsor of Smithton, Illinois project to monitor implementation efforts and assess lessons learned from the effort.

2.13 GREAT STREETS INITIATIVE

During FY 2018, staff continued management of the Forest Park Great Streets project with project completion in March. Staff procured consultants for and initiated the Kimmswick Great Streets project, to be completed in June. Staff supported ongoing implementation efforts for

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
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West Florissant (advisory committee for engineering work), Gravois in Affton (advisory committee for subsequent traffic study analysis) and Dorsett Road (scoping for implementation efforts). Staff presented summary of Overland project to public and town council to clarify implementation phasing and priorities. Staff met with project sponsors of the Natural Bridge, MLK, and North 14th Street projects to monitor implementation efforts and assess lessons learned. Staff met with district management staffs for South Grand and Natural Bridge projects to discuss secondary investments in project areas and assess overall project “to date” performance. Staff also developed materials and an outreach strategy to raise awareness and encourage preparation of strong project applications for the next fiscal year’s projects, and continued to review additional / new material for potential inclusion in the web-based digital design guide.

2.15 SECTION 5310 COORDINATED HUMAN SERVICE TRANSPORTATION PLANNING

During FY 2018, EWG staff updated the Section 5310 workbook and application, conducted a Section 5310 project solicitation, held a Section 5310 Informational Workshop, and provided technical support to potential applicants. EWG staff started the review of the projects submitted, and determined applicant and project eligibility. Staff also monitored the implementation of projects that received Section 5310 funding in previous funding rounds in conjunction with Bi-State Development and the Missouri Department of Transportation. Staff updated the program of projects for multiple funding years, created the annual funding allocation letter, and submitted relevant information to the Federal Transit Administration. Staff updated the Section 5310 and CHSTP material for the EWG website.

2.17 TRANSPORTATION CORRIDOR & SUBAREA PLANNING – MISSOURI

During FY 2018, staff provided travel demand and modeling, land cover, aerial imagery and demographic data, and analysis support for regional planning partners and project teams; worked with regional partners to outline and draft project scopes; evaluated, selected and managed project teams for corridor planning and engineering efforts; reviewed technical work and documents as needed; met with regional planning partners, project stakeholders and relevant consultants as requested; and participated on advisory committees and in public outreach as requested. Specifically, staff continued to manage the Northside-Southside MetroLink Conceptual Design Study, conducted procurement for and initiated work on the MetroLink Security Assessment, and participated in the I-70 PEL Study and the Northside-Southside TOD Pilot Study.

2.18a NORTHSIDE-SOUTHSIDE METROLINK (CITY OF ST. LOUIS) CONCEPTUAL DESIGN

During FY 2018, staff has managed the consultant team, reviewed and approved various technical documents, conducted numerous stakeholder and partner meetings including technical and advisory committee meetings, and participated in public engagement activities including a MetroQuest survey, public open houses and numerous meetings with neighborhood, business, and other interest groups. Technical documents included Purpose and Need Statement,

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
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Evaluation Framework, Detailed Definition of Alternatives, Conceptual Engineering Plans, and Technical Memoranda regarding Ridership, Service Planning, Capital and Operating and Maintenance Costs, Maintenance Facility Site Evaluation, and Station Area Planning for eight selected stations.

2.18b ST. LOUIS COUNTY METROLINK CORRIDORS CONCEPTUAL PLANNING

No work was performed on this project during FY 2018.

2.19 LONG-RANGE TRANSPORTATION PLANNING

During FY 2018, staff continued to refine the schedule and approach for the next update to the long-range transportation plan, due in 2019, based on changes to federal transportation legislation and ongoing rulemaking processes. Additionally, staff continued to refine the performance management framework developed for the plan and focused on adapting that framework to other agency documents and processes, such as the TIP. Staff completed a study on the impacts of new and emerging transportation technologies on transportation planning in the region and the Council's planning processes.

2.20 I-70 CORRIDOR STUDY

During FY 2018 MoDOT and its consultant team continued work on the study by identifying existing conditions along the corridor, conducting community engagement activities, developing and defining the purpose and need, and developing preliminary corridor-wide strategies and screening methodology.

2.21 ECOLOGICAL APPROACH TO INFRASTRUCTURE DEVELOPMENT

In FY 2018, staff worked on the development of information materials highlighting the ecological data compiled for the eight-county St. Louis region. Staff engaged federal, state, and local resource agencies in consultations to examine needs, disseminate information, and establish the utility of the data and ecological framework. Staff continued work on developing methods for employing the framework in a wide-range of project and corridor evaluations and mitigation planning. Staff worked on applying a refined land use cover methodology for the Urban Areas in the St. Louis region.

2.25 SW ILLINOIS FLOOD PROTECTION INITIATIVE

During FY 2018, staff continued to provide management services for the Southwestern Illinois Flood Prevention District Council.

**APPENDIX A:
SUMMARY OF CURRENT YEAR ACTIVITIES
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2.32 AIR QUALITY COORDINATION

During fiscal year 2018, staff prepared and distributed agendas, presentations, and proceedings for air quality committees, subcommittee, and consultation group meetings and special reports. Staff held and recorded five Air Quality Advisory Committee (AQAC) meetings and five Inter-Agency Consultation Group (IACG) meetings. Staff monitored and researched the implementation of the 2015 8-hour ozone standard and evaluated the region's progress in meeting air quality goals. Ozone monitoring data provided the baseline information for this assessment. Staff continued to review and enhance the Conformity Users Guide, which contains regionally significant project selection criteria. The Users' Guide was developed in close coordination with IACG, and it establishes guidelines for the conformity process. Staff coordinated with Clean Cities program in cooperation with OneSTL to monitor alternative fuel information. During FY 2017-2018, staff maintained an electronic clearinghouse for daily measured ozone information in order to facilitate the sharing of air quality information between the Missouri Department of Natural Resources (MoDNR), Illinois Environmental Protection Agency, U.S. Environmental Protection Agency (EPA) Region 7 and other cooperating agencies. Staff generated and maintained a color-coded Air Quality Index (AQI) calendar as prescribed by EPA which is posted on the EWG website. Staff maintained and updated the Air Quality Resource Center website. Staff updated draft report on historical ozone data, trend lines and current monitor locations.

2.34 MISSOURI REGIONAL 208 WATER QUALITY MANAGEMENT PLAN INITIATIVE

No work was performed on this project during FY 2018.

2.35 WATERSHED PLANNING – LOWER MERAMEC (WATER QUALITY COORDINATION)

In FY 2018, staff completed the update to the Lower Meramec Watershed plan. Staff conducted data gathering, assessed existing plans in the study area and engaged key organizations, local agencies and project partners in the plan. The Core Partners team includes Great Rivers Greenway (GRG), Metropolitan St. Louis Sewer District, The Nature Conservancy (TNC), Department of Conservation (MDC), Department of Natural Resources (MoDNR), U.S. Army Corps of Engineers, Open Space Council of the St. Louis Region, St. Louis County Parks and the Meramec River Recreation Association (MRRA). The Water Resources Committee of EWG was engaged as part of the planning process.

2.36 OUR MISSOURI WATERS INITIATIVE

In FY 2018, staff completed the engagement of federal, state, and local agencies and technical experts in the Our Missouri Waters - Lower Missouri project. Through outreach to local governments, Soil and Water Conservation Districts, sewer and water districts and professional organizations, participants identified key topics in the watershed. Staff worked in partnership with the Boonslick Regional Planning Commission to host meetings to address water quality, recreation and economic development issues in the Lower Missouri Watershed. Missouri River

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Country was identified as the entity to act as the advisory committee in the Lower Missouri watershed that can provide input to MDNR for future planning and community services work.

2.38 COMMUNITY BUILDING

In FY 2018, staff focused community building assistance on outreach, education and coordination of public agencies and other organizations. Staff met with and encouraged partners to address the interrelated needs of transportation infrastructure, water infrastructure, sanitary sewers, stormwater, flood mitigation, water quality, parks, trails, greenways, active living/healthy lifestyles and biodiversity. Staff coordinated meetings, such as the OneSTL Leadership Network, maintained the OneSTL website including the Sustainable Projects Marketplace and Sustainable Solutions Toolkit, and updated OneSTL metrics. Staff also responded to local government requests for planning assistance and participated in planning local and regional conferences and workshops, such as the Sustainability Lab, with key partners including local universities, professional organizations and private sector entities.

2.42 SUSTAINABLE COMMUNITIES PLANNING IMPLEMENTATION

No work was performed on this project during FY 2018.

2.45 MISSOURI NUTRITION INCENTIVE PROGRAM

In FY 2018, staff assisted in information dissemination about the Double Up Food Bucks program through the US Department of Agriculture, which provides a dollar for dollar benefit for SNAP recipients who purchase locally grown fresh produce at select farmers markets and grocery stores.

2.81 URBAN AREAS SECURITY INITIATIVE (UASI)

In FY 2018 staff received the UASI FY 2017 grant, and is working to expend funds from the fiscal years 2015, 2016 and 2017 UASI grant programs. STARRS' staff working with the STARRS' Board of Directors and its subcommittees maintained the St. Louis regional Threat Hazard Identification and Risk Assessment (THIRA) which is used to identify regional shortfalls to preparedness, what emergency response resources are needed, and what the current gaps are. STARRS uses this information to efficiently build and sustain regional preparedness capabilities. Additionally, the STARRS subcommittee working groups and emergency response teams continue to finalize work on regional interoperable communications planning, citizen preparedness, medical evacuation planning and equipping law enforcement, hazardous materials response and urban search and rescue teams, as well as mass fatality response and medical surge planning with the region's medical examiners, hospitals and public health departments.

2.86 ST. LOUIS AREA REGIONAL RESPONSE SYSTEM SUPPORT

In FY 2018, staff continued to provide administrative support for the St. Louis Area Regional Response System (STARRS) including preparing agendas, presentations, minutes, and proceedings for the STARRS Board meetings. Staff continued to provide financial document

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reconciliation for the STARRS program. Staff also met with the region's hospital Chief Fiscal Officers and Chief Executive Officers that make up the St. Louis Metropolitan Hospital Council to provide an in-depth briefing on the various programs and projects that have been developed regionally in support of hospital and general healthcare emergency preparedness.

2.88 BIOTERRORISM PREPAREDNESS FOR HOSPITALS (HOSPITAL PREPAREDNESS PROGRAM)

In FY 2018, staff has continued to build upon the planning and development of capacity and capabilities to strengthen all-hazards disaster preparedness planning for medical surge during large scale emergencies that has the potential to affect over 60 hospitals and health care facilities within the St. Louis Regional Healthcare Coalition which includes skilled nursing and long term care facilities, ambulatory surgery centers, urgent care centers, dialysis centers, home health providers, behavioral health services and organizations, access and functional needs services organizations, and non-governmental organizations that provide assistance during disasters. To that end, staff developed and implemented regional disaster/emergency preparedness plans and protocols for the Healthcare Coalition to improve the capacity of the health care system in a regional and statewide collaborative effort. They continued to facilitate development and refinement of a regional system to provide immediate and long term regionally coordinated response to mass casualty incidents and other medical surge emergencies. This effort utilized STARRS committees including regional leaders from hospitals, public health, Emergency Medical Services (EMS), fatality response, and emergency management agencies and organizations. Grant funds were used to purchase specialized equipment and supplies for health care entities involved in medical surge and mass fatality response and reception of patients. In addition, staff continued to support and assist the healthcare system through facilitation and implementation of education and exercises to increase preparedness including an annual regional multidiscipline healthcare functional exercise.

2.90 COMPLEX COORDINATED TERRORIST ATTACK GRANT PROGRAM

In FY 2018 staff received an award notice from the Department of Homeland Security's FY 2016 Program to Prepare Communities for Complex Coordinated Attacks (CCTA) grant. Grant funding will support a regional emergency resource gap analysis and identification, along with emergency response planning, training, and exercises with the intention of preparing communities for a complex coordinated terrorist attack anywhere in the region. Staff will develop terrorist attack scenarios that will drive discussions with responders and community leaders. Several response components will be exercised in 2018 in order to improve the quality and speed in which decisions will be made should a CCTA or similar terrorism incident occur. The goal is to improve response coordination among the region's law enforcement Tactical Operations and Bomb & Arson units along with the Emergency Medical Service units to create an integrated response structure.

3.01 TRANSPORTATION FINANCE

During FY 2018, staff updated the regional transit database and worked with the city of St. Louis and consultant staff to begin identifying potential funding options for the Northside-Southside

**APPENDIX A:
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MetroLink project. Staff monitored the new Missouri funding initiative and coordinated with MoDOT staff on establishing modal distribution and project priorities for the use of potential new funding. Staff also incorporated new MoDOT data, associated with changes to the statewide funding distribution, into the financial database.

3.06 REGIONAL COMPETITIVENESS

In FY 2018 staff produced two We Stand Updates and anticipates completing additional updates by the end of the FY. Where We Stand tracks the health of the St. Louis region among the 50 most populous Metropolitan Statistical Areas in the United States. These metro areas are our domestic competition and provide a consistent yardstick to gauge “Where We Stand.” The Updates provide additional information as well as updated data on innovation, roadway congestion, transportation mode choices, and additional topics of regional significance. Staff also supported OneSTL by updating data used to measure the performance of the plan. The performance measures will be reported in the 2018 OneSTL Report to the Region and on the program website. In addition, staff monitored federal and state legislation with the potential to impact the region’s competitiveness. Staff will update databases on the use of economic development incentives in the region and issue a summary report. Staff responded to inquiries and requests for information from the Board, local governments, and the general public.

4.01 COMMUNITY ENGAGEMENT – PUBLIC INVOLVEMENT

In FY 2018, staff continued work on implementation of the EWG public involvement plan and the expansion of participation by a variety of organizations in agency activities especially those serving harder to reach populations. Staff used the community engagement activity tracker for analysis and reporting of public involvement efforts. Community Engagement staff served as an internal agency resource for projects and plans that have public outreach requirements. Staff helped program specialists to consider a variety of appropriate outreach and engagement formats and strategies and then to develop and implement targeted outreach programs for agency plans, including the Long-Range Transportation Plan, the Transportation Improvement Program, Bike/Pedestrian Survey for Transportation, St. Clair County Listening Sessions, OneSTL and the 5310 Informational Workshop. Staff produced weekly Local Government Briefings that provide our members and interested citizens with up-to-date activities in the region.

4.11 LOCAL GOVERNMENT PARTNERSHIP

In FY 2018, the Local Government Partnership offered Planning and Zoning training for a 14th year in conjunction with the local chapter of the American Planning Association and UMSL and collaborated with our regional City Management Associations and other regional organizations that serve local government on the development and implementation of many successful professional development programs. EWG also assisted with the annual ethics conference held by the Center for Ethics in Public Life at UMSL. EWG worked with UMSL and Southern Illinois University-Edwardsville to help promote a new city-university partnership program using the Educational Partnerships for Improving Communities model. EWG also continued to publish the Public Officials Directory and provided updated information for the EWG website in order to provide better access to information relevant to local governments. Staff served as members of

**APPENDIX A:
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and liaisons for numerous organizations and committees that serve member governments and provided technical assistance to member governments on a variety of issues of importance to counties and municipalities.

4.97 LOCAL GOVERNMENT ASSISTANCE

In FY 2018, EWG held its annual meeting in November showcasing the presentation of the Outstanding Local Government Achievement Awards. These awards are designed to recognize outstanding local government individuals, projects and collaborations that have occurred during the previous year and have measurable positive impacts in our communities and our region. Staff provided video production management services for the Outstanding Local Government Achievement Awards ceremony which highlighted regional accomplishments and contributions by local municipalities, businesses and organizations. Staff provided technical assistance to member governments as requested.

**APPENDIX B:
SOURCE OF ELIGIBLE MODOT DIRECT COSTS**

Title	Yearly Salary	Yearly Fringe*	Yearly Total	% Eligible	Yearly Eligible
District Traffic Engineer	\$78,132	\$65,498	\$143,630	40	\$57,452
Traffic Operations Engineer	\$69,732	\$58,456	\$128,188	50	\$64,094
Traffic Operations Engineer	\$62,316	\$52,240	\$114,556	45	\$51,550
Traffic Operations Engineer	\$73,824	\$61,887	\$135,711	25	\$33,928
Senior Traffic Studies Specialist	\$58,908	\$49,383	\$108,291	25	\$27,073
Traffic Technician	\$32,928	\$27,604	\$60,532	50	\$30,266
Total	\$375,840	\$315,068	\$690,908		\$257,686

**APPENDIX C:
METROPOLITAN TRANSPORTATION PLANNING PROCESS CERTIFICATION**

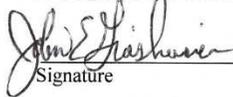
Appendix A

METROPOLITAN TRANSPORTATION PLANNING PROCESS CERTIFICATION

In accordance with 23 CFR § 450.336, the Illinois Department of Transportation, the Missouri Department of Transportation, and the East-West Gateway Council of Governments (EWGCOG), the Metropolitan Planning Organization for the St. Louis urbanized area, "certifies" that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

1. 23 U.S.C. § 134, 49 U.S.C. § 5303, and 23 CFR Part 450 Subpart C;
2. Sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C. §§ 7504, 7506(c) and (d)) and 40 CFR Part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. § 2000d *et seq.*) and 49 CFR Part 21;
4. 49 U.S.C. § 5332 prohibiting discrimination on the basis of race, color, religion, national origin, sex, disability, or age in employment or business opportunity;
5. Section 1101(b) of the Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-357) and 49 CFR Part 26 regarding the involvement of disadvantaged business enterprises in U.S. DOT funded projects;
6. 23 CFR Part 230, regarding the implementation of an equal employment opportunity program on federal and federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. § 12101 *et seq.*) and 49 CFR Parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. § 6101 *et seq.*) prohibiting discrimination on the basis of age in programs or activities receiving federal financial assistance;
9. Section 324 of the Title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. § 794 *et seq.*) and 49 CFR Part 27 regarding discrimination against individuals with disabilities.

EWGCOG is exempt from the requirements of 23 U.S.C § 134(d)(2) and 49 U.S.C. § 5303(d)(2), as amended by the FAST Act §§ 1201 and 3003 because: (1) EWGCOG operates pursuant to the Missouri State and Regional Planning and Community Development Act (Mo. Rev. Stat. Chapter 251) and the Missouri Nonprofit Corporation Act (Mo. Rev. Stat. Chapter 355), which were both in effect on or before December 18, 1991; (2) these Missouri laws have not been amended after December 18, 1991, as regards EWGCOG's structure or organization; and (3) EWGCOG has not been designated or re-designated after December 18, 1991.


Signature

Mr. John Griesheimer
Chairman, Board of Directors
East-West Gateway
Council of Governments

August 30, 2017
Date


Signature

Mr. Jeffrey L. Keim,
Region Five Engineer
Illinois Department
of Transportation

August 30, 2017
Date


Signature

Mr. Greg Horn,
District Engineer
St. Louis District
Missouri Department
of Transportation

August 30, 2017
Date

**APPENDIX D:
EAST-WEST GATEWAY COMMITTEES AND MEMBERS**

Board of Directors:

Board Officers for 2018:

Steve Stenger, *Chair*, St. Louis County Executive
Mark Kern, *Vice Chair*, St. Clair County Board Chairman
Robert Elmore, *2nd Vice Chair*, Monroe County Board Chairman

Executive Committee:

Steve Ehlmann, County Executive, St. Charles County
John Griesheimer, Presiding Commissioner, Franklin County
Kurt Prenzler, County Board Chairman, Madison County
Lyda Krewson, Mayor, City of St. Louis
Ken Waller, County Executive, Jefferson County

Other Members:

Chuck Caverly, President, St. Louis County Municipal League
Emeka Jackson-Hicks, Mayor, City of East St. Louis
Carol Johnson, Alderman, City of Pacific, Franklin County
Mark Kupsky, Vice President, Southwestern Illinois Council of Mayors
Lewis Reed, President, Board of Aldermen, City of St. Louis
Herbert Simmons, President, Southwestern Illinois Metropolitan Regional Planning Commission
Thomas Smith, President, Southwestern Illinois Council of Mayors, Mayor of Waterloo

Board Appointments:

Reggie Jones, Mayor, City of Dellwood, representing St. Louis County
Mike Walters, Madison County Board Member, representing Madison County
Roy Mosley, St. Clair County Board Member, representing St. Clair County
John White, St. Charles County Councilman, representing St. Charles County

Regional Citizens:

Barbara Geisman
C. William Grogan
Richard Kellett
John A. Laker

Non-Voting Members:

Erin Aleman
Erika Kennett
Patrick McKenna
John Nations

**APPENDIX D:
EAST-WEST GATEWAY COMMITTEES AND MEMBERS**

Executive Advisory Committee

Tom Curran, Chairman

Norman Etling, Vice Chairman

Mokhtee Ahmad	Gary Elmestad	Curtis Jones	Aaron Metzger
Tom Blair	Maurice Falls	Jeffrey Keirn	Jessica Mefford Miller
Samuel Borders	John Greifzu	Pat Kelly	Judy Nelson
Bruce Carmitchel	Michael Henderson	Edie Koch	Mark Schenkelberg
David Courtway	Barb Hohlt	Brad McMahon	Kevin Terveer
Ronald Davis	Douglas Hulme	Hart Nelson	Betsy Tracy
Deeann Ducote	Jason Jonas	Stephanie Leon- Streeter	Todd Waelterman
			Jonathan Zimmermann

Air Quality Advisory Committee

Stacy Allen	Jack Fishman	Delores Lysakowski	Christopher Schmidt
David Bloomberg	Susannah Fuchs	Gary Marshall	Ryan Tilley
Darcy Bybee	Mike Henderson	Brad McMahon	Betsy Tracy
Cynthia Davis	Jerry J. Kane	Heather Navarro	James Watson
Lance Feezel	Pat Kelly	Jeremey Rogus	Michael J. Wright

St. Louis Bicycle & Pedestrian Advisory Committee

Grace Kyung, Chair

John Hicks, Vice-Chair

Kim Cella	Angelica Gutierrez	Karen Karabell	Bryan Werner
Laura Ellen	Kevin Jemison	John Kohler	Jeremy Wolfmeyer
Liza Farr	Curtis Jones	Sarah Vogt	

**APPENDIX D:
EAST-WEST GATEWAY COMMITTEES AND MEMBERS**

STARRS Board of Directors

Joann Leykam, President
Don Feher, Vice President

John Anthony	Abraham Cook	Chris Hunt	Warren Robinson
Michael Arnhart	Les Crews	Dennis Jenkerson	Bill Roche
Frank Arnoldy	Mark Diedrich	John Miller	Helen Sandkuhl
Mike Arras	Tony Falconio	Brian Naeger	Herbert Simmons
Debbie Beezley	Jim Fingerhut	Ryan Nichols	Morris Taylor
Jon Belmar	Todd Fulton	John Nowak	David Todd
Greg Brown	Sarah Gamblin-Luig	Lawrence O'Toole	Cathy Vaisvil
Gary Christmann	Brian Gettemeier	Vanessa Poston	Ryan Weber
	Justin Hauser	Lynden Prange	Rob Wylie

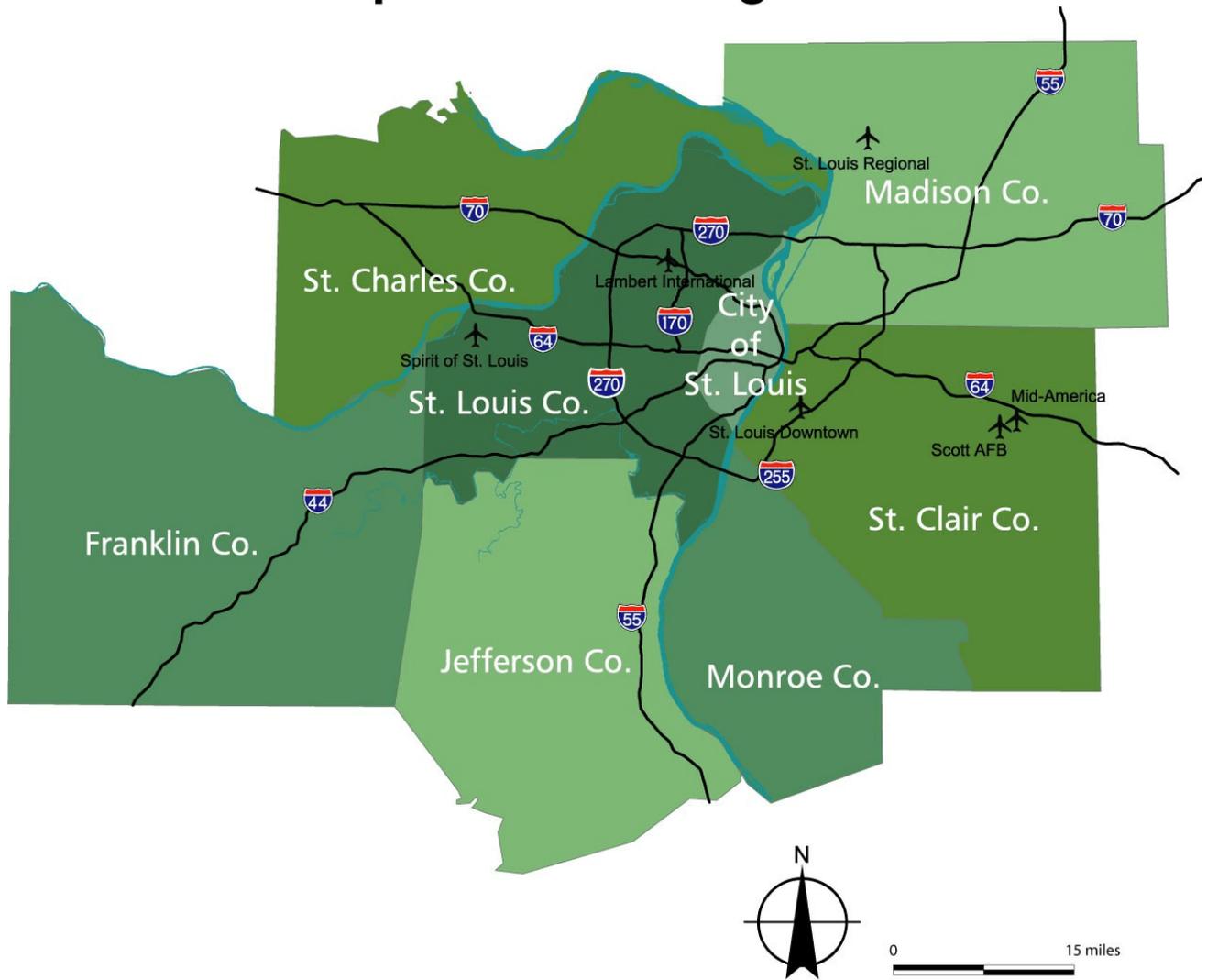
Transportation Planning Committee

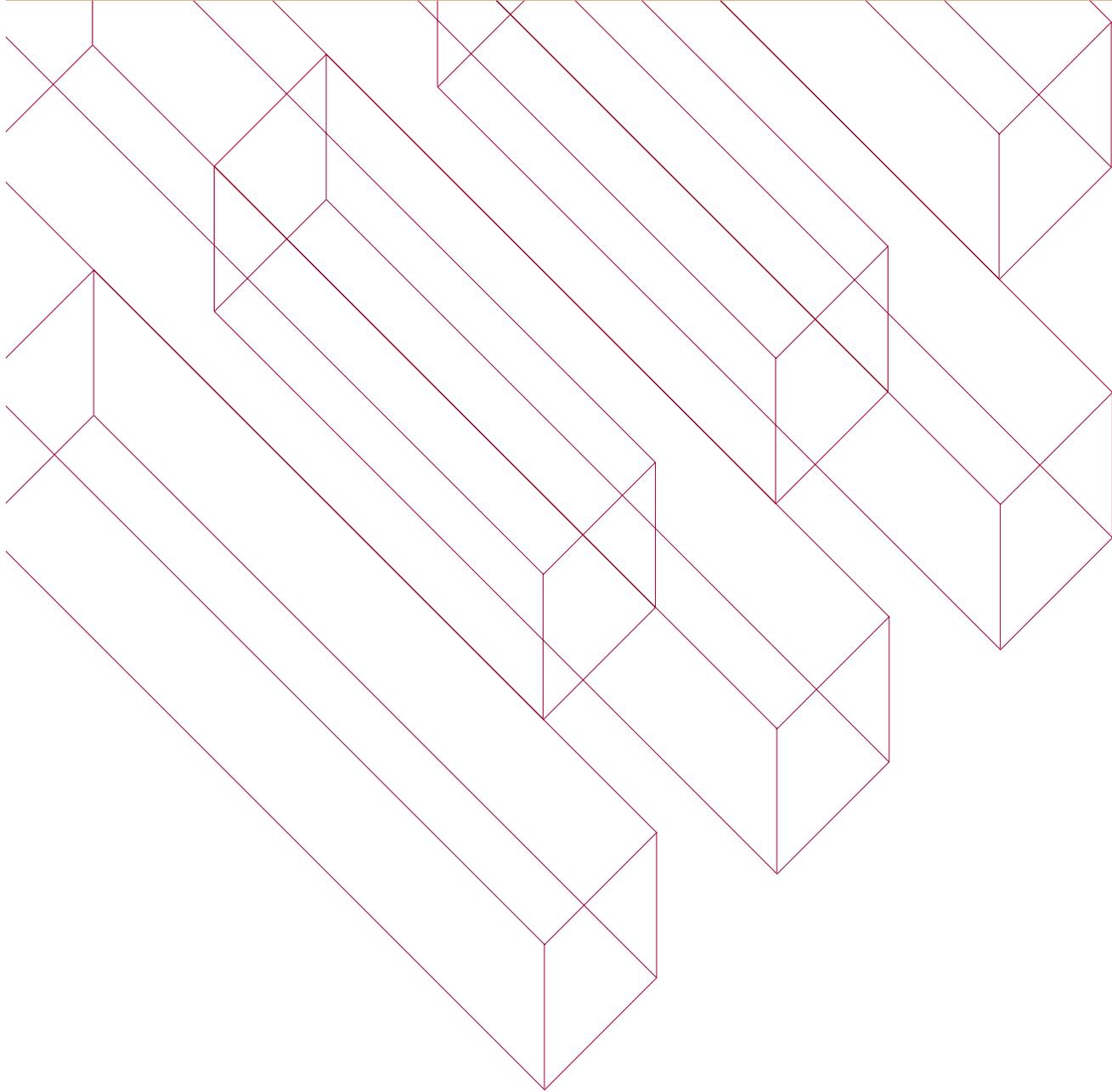
Richard Bradley	Mark Gvillo	Grace Kyung	Richard Sauget, Jr.
Amanda Brauer	Mike Henderson	Jessica Mefford-Miller	Greg Smith
Christopher Ehlen	John Hicks	Aaron Metzger	Tom Smith
Tony Erwin	Jerry Kane	John Miller	Wesley Stephen
Norm Etling	Jeffrey Keirn	Chris Poehler	Craig Tajkowski
Maurice Falls	Pat Kelly		Ron Williams

Regional Water Resources Committee

Roland Biehl	Warren Grace	Abigail Lambert	David Shanks
Tracy Boaz	Tracy Haag	Traci Lichtenberg	Amy Shaw
Steven Brendel	Steven Herrington	Alicia Lloyd	Curt Skouby
Bradley Brown	John Hickey	Steve Mahfood	Jeff Stone
Rick Brown	Dennis Hogan	John McPheeters	Shawn Sullivan
Barbara Charry	Peggy Horner	Bill Malach	John Weber
Carol Davit	Jay Hoskins	Jennifer Myerscough	Edward J. Weilbacher
Katherine Dockery	John Johnson	Chris Neaville	David Wilson
Mark Eshelman	Clint Jones	Jamie Paige	Karla Wilson
Christine Favilla	Eric Karch	Tom Schweiss	Nicole Young
Timothy Ganz	Christopher King		Jianpeng Zhou

St. Louis Metropolitan Planning Area





EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

Gateway Tower
One Memorial Drive, Ste. 1600
St. Louis, MO 63102

314-421-4220
618-274-2750