

Program Review





Quad Cities, Iowa/Illinois Transportation Management Area Certification Review

August 29, 2016

Federal Highway Administration

Federal Transit Administration



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Executive Summary

Certification Action

As per the language in 23 CFR 450.334(b)(1)(ii), it has been determined that the transportation planning process executed by the Bi-State Regional Commission (BSRC) for the Quad Cities urbanized area substantially meets the requirements of this part and a Transportation Improvement Program (TIP) has been approved by the Metropolitan Planning Organization (MPO)and the Governor and is certified with conditions. The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) jointly certify the transportation planning process through August 29, 2020.

Corrective Action

None

Recommendations

Recommended planning actions discussed in this report would improve the overall transportation planning process that is consistent with the spirit and intent of federal requirements. The following is a summary of the recommendations from this Certification Review. These recommendations are also included in each section of the report.

- Transit Planning Recommendation
 - CitiBus has lapsing FTA Section 5339 Bus and Bus Repair funding and it is recommended that a grant application is immediately prepared and submitted to the FTA Region VII office.

• TIP Recommendation

- It is recommended that the regional TIP is updated to include Complete Street project components that are being constructed as part of a road improvement project. This is particularly valuable information for projects that were competitively selected based on a process that places emphasis on the inclusion of these components.
- Public Participation Plan Recommendations
 - It is recommended that BSRC update its Public Participation Plan to reference and meet requirements of the FAST Act.
- Public Participation Website Recommendation



- While BSRC stated it will revise its site to have a Transportation home page, we recommend that staff work to ensure that the transportation planning activity is much more visible and accessible to member agencies, regional planning partners, and the public.
- Congestion Management and Operations
 - While it was stated that a new Congestion Management Process is currently being drafted, it is recommended that the MPO ensure they finalize the updated Congestion Management Process according to their stated schedule of the fall of 2016.

Commendations

The review team commends BSRC and their planning partners for the following areas of progress and best practice:

Commendations for Quad Cities Public Transit Operators

1) MetroLINK is commended for being very proactive in planning and operating a multimodal transit system which includes transit, ferry, Uber connections, and transit connection for anticipated passenger rail service from Chicago. MetroLINK was recently one of eight successful applicants securing Transit Oriented Development planning assistance from Smart Growth America. Additionally, MetroLINK plans to apply for TIGER funds for the purchase of electric buses emitting zero pollutants.

2) River Bend Transit is commended for operating a transit service to the University of Iowa Regional Hospital in Iowa City for medical trips and connections to CAMBUS and Iowa City Transit bus routes. FHWA-CMAQ funding facilitates the connection service to the University of Iowa hospital.

3) The BSRC is commended for its cooperative planning work with the Quad City transit systems. This cooperative effort is exemplified by BSRC including a staff position, the "Iowa Quad Cities Transit Coordinator," funded by Section 5307 awards dedicated to the Bettendorf and CitiBus transit systems. The Coordinator markets and performs service planning for transit service, including organizing "Train the Trainer" workshops on how to access transit services in the Iowa Quad Cities. The Coordinator has served since 2005 and provides "one stop shop" service marketing assistance. The 2012 Iowa Quad Cities Transit Riders Guide was considered a national best practice and continues to be distributed to transit passengers. The Guide, which is also available online, provides a



comprehensive list of attractions including schools, public facilities, medical and dental facilities, and groceries and supermarkets on each bus route.

4) Under MAP-21, FTA moved the previous stand-alone Job Access Reverse Commute (JARC) program to an eligible activity under Section 5307 – Urbanized Area Formula funding. Many transit operators discontinued JARC service. The City of Davenport is commended for continuing to financially support CitiBus's JARC program, which has seen an increase of program participants since the 2012 Certification Review.

5) CitiBus has a contract, started in 2012, with the Davenport School District to operate school tripper service on CitiBus's fixed routes. CitiBus is commended for providing approximately 20,000 rides per month to school students. The Davenport School District attributes students staying in school and higher graduation rates to CitiBus' tripper service. Students' current "wave down" stops, slows route travel times and will soon be replaced with fixed stops, keeping buses on route schedules.

6) CitiBus will initiate route system changes on July 5. With the use of four new Gillig buses, changes include moving from a "hub and spoke" to a grid system, adding Sunday service, having 30-minute headways, and extending service for an hour on weekdays. CitiBus will also be installing new shelter/stop improvements and an electronic fare box system replacing a punch pass system. CitiBus is commended for instituting these transit system improvements.

• Metropolitan Transportation Plan Commendation:

- BSRC is commended for the inclusion of land use maps of jurisdictions in the MTP work activity.
- BSRC is commended for their public participation process conducted for the 2045 Quad Cities Long Range Transportation Plan. A variety of techniques were used including workshops, public meetings, surveys, open houses, multi lingual outreach and outreach to media and many stakeholder groups. The use of online engagement tools such as MindMixer and SurveyMonkey are best practices.
- Transportation Planning Work Program Commendations:
 - BSRC is commended for having monthly staff meetings to review actual expenditures on work program line items to monitor the annual line item budget spending throughout the year. These meetings keep staff very involved in tracking the TPWP work activities and deliverables.



- The MPO's work program is a best practice for its discussion of transportation issues in the metropolitan area.
- BSRC is commended for its Indirect Cost Allocation Plan. The BSRC's Administrative Services Director is very experienced in preparing indirect cost allocation plans and has been preparing these plans since 1987. The current cognizant agency is the US Department of Commerce, Economic Development Authority (EDA).
- BSRC's ongoing work to maintain and improve air quality in the Quad Cities metropolitan area is a best practice.
- Travel Demand Model Commendation:
 - lowa DOT's modeling section staff is commended for working with BSRC to improve the Travel Demand Model for the MTP. BSRC is commended for contracting the Household Travel Survey, which provided current data for the model.
- Alternative Trails Transportation Long Range Transportation Plan Commendation:
 - BSRC is commended for its work in trail planning, for supporting the "Quad Cities Trails Committee" and administering a trails website, QCTrails.org. Trail planning includes the use of 12 trail user counters, which were first used in 2013. Trail user counts are used to determine trail projects in the Long Range Transportation Plan.

• Connecting Transportation-Health Commendation:

 BSRC is commended for its "Quad Cities Health Initiative" that includes safe routes to school in low-income minority areas, school wellness programs and establishing community gardens. BSRC has received two awards for this work activity, which focuses on reducing obesity and heart disease.

Background

Pursuant to 23 U.S.C. 134(k) and 49 U.S.C. 5303(k), the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) must jointly certify the metropolitan transportation planning in Transportation Management Areas (TMAs) at least every four years. A TMA is an urbanized area, as defined by the U.S. Census Bureau, with a population of over 200,000. In general, the reviews consist of three primary activities: a site visit, a review of planning products (in advance of and during the site visit), and preparation of a report that summarizes the review and offers findings including corrective actions, recommendations, and commendations. The review focuses on compliance with Federal regulations, challenges,



successes, and experiences of the cooperative relationship between the Metropolitan Planning Organization (MPO), the State DOT, and transit operators in the conduct of the metropolitan planning process. Joint FTA/FHWA Certification Review guidelines provide agency field reviewers with latitude and flexibility to tailor the review to reflect local issues and needs. As a consequence, the scope and depth of the Certification Review reports will vary significantly.

Purpose and Objective

The Certification Review process is only one of several methods used to assess the quality of a local metropolitan planning process, compliance with applicable statutes and regulations, and the level and type of technical assistance needed to enhance the effectiveness of the planning process. Other activities provide opportunities for this type of review and comment, including Transportation Planning Work Program (TPWP) approval, the Metropolitan Transportation Plan (MTP), metropolitan and statewide Transportation Improvement Program (TIP/STIP) findings, air-quality conformity determinations (in nonattainment and maintenance areas), as well as a range of other formal and less formal contact provide both FHWA/FTA an opportunity to comment on the planning process. The results of these other processes are considered in the Certification Review process.

While the Planning Certification Review report itself may not fully document those many intermediate and ongoing checkpoints, the "findings" of Certification Review are, in fact, based upon the cumulative findings of the entire review effort.

The review process is individually tailored to focus on topics of significance in each metropolitan planning area. Federal reviewers prepare Certification Reports to document the results of the review process. The reports and final actions are the joint responsibility of the appropriate FHWA and FTA field offices, and their content will vary to reflect the planning process reviewed, whether or not they relate explicitly to formal "findings" of the review.

Scope and Methodology

A Certification Review of the transportation planning process for the Quad Cities metropolitan planning area was performed by FHWA and FTA on April 26 – 27, 2016. The review was conducted at the office of the Bi-State Regional Commission, (Metropolitan Planning Organization (MPO), in Rock Island, Illinois. These guidelines, in the form of a list of questions that reflect current federal regulations, were provided to the MPO, the Illinois and lowa Department of Transportations, and the MetroLINK, CitiBus, Bettendorf Transit, and River Bend ‡Transit systems on March 24, 2016. The MPO staff provided very detailed and



informative responses to the Federal Team's questionnaire prior to the Certification Review (Appendix C).

BSRC provided an opening presentation (<u>Appendix D</u>) to provide an overview of demographics and transportation issues and priorities in the Quad Cities urbanized area. During the review, BSRC provided documentation via hard copy and web links for discussion for each planning topic agenda item.

As part of the review, a public hearing was held at 12:00 Noon to 1:00 PM on April 26 during the Transportation Policy Committee and a presentation was given to the Bi-State Commission at 4:00 PM on April 27. At both the Policy Committee meeting and public hearing and the Commission meeting, the federal team presented and discussed the purpose and requirements of the certification review. The team then opened the floor for any questions or discussion of the attendees present at the meetings. The committee members had the following comments:

- "[BSRC's planning process] is a complex and comprehensive process [;] however it seems to work well in this region. We remain focused on regional enhancements and improvements that can be made."
- "Bi-State is very fortunate to have a transit and professional staff knowledgeable on transportation planning."
- "[BSRC's planning process is] great [and] allows [the] commissioner to address issues in meetings and elsewhere. [It] also allows for groups such as people with disabilities to participate."
- "Bi-State does an excellent job for the overall region."
- "[BSRC's planning process is] well thought-out [and] allows for a high level of public input."
- "[BSRC's planning process is] very effective, a good mix of people, [and] well informed."
- "The MPO does a great job in transportation planning, particularly, with the lack of federal resources. There is a need for more federal funding for planning."



Team Members

Federal reviewers prepared this Certification Review report to document the results of the review process. The report and final actions are the responsibility of the FHWA Illinois, FHWA Iowa and the FTA Region 7 Office. See <u>Appendix B</u> for the sign-in sheets. The Federal Review Team included:

- Ms. Betsy Tracy, FHWA, Illinois Division
- Mr. Mark Bechtel, FTA, Region 7 Office
- Mr. Sean Litteral, FHWA, Iowa Division
- Ms. Darla Hugaboom, FHWA Iowa Division

Those participating in the Quad Cities Certification Review also included staff from the BSRC (Quad Cities MPO), Iowa DOT, Illinois DOT, City of Moline, and the MetroLINK, Citibus, Bettendorf, and River Bend transit systems.

BSRC Staff

Denise Bulat, Director Gena McCullough, Planning Director Brandon Melton, Planner Becky Passman, Iowa QC Transit Coordinator Bryan Schmid, Planner Donna Moritz, Administrative Services Director

Transit Agencies

Jeff Nelson, MetroLINK Director/General Manager Randy Zobrist, River Bend Transit Director/GM Kurt Scheible, CitiBus Director/GM

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Garrett Pedersen, Office of Systems Planning Andrea White, Office of Systems Planning Phil Mescher, Office of Systems Planning Adam Shell, Office of Systems Planning Sam Shea, District 6 Nikita Rainey, Civil Rights

Illinois DOT

Dan Long, District 2 Holly Ostdick, Bureau of Planning Doug DeLille, Bureau of Planning

<u>City of Moline</u> Mike Kurek



Observations and Findings

Each section under Observations and Findings is outlined in the following format:

- **Regulatory Basis** The regulatory basis defines where information regarding each planning topic can be found in the Code of Federal Regulations (CFR) and/or the United States Code (USC) the "Planning Regulations" and background information on the planning topic
- **Observations** Observations describe the current status for each planning topic
- **Findings** The findings section summarizes the compliance determination for each planning topic or issue and provides the primary basis for determining the recommendations, commendations, and/or corrective actions.
 - **Corrective Actions (if applicable)** Corrective Actions are compliance issues and indicate a serious situation that fails to meet one or more requirements of the transportation planning statute and regulations, thus seriously impacting the outcome of the overall process. The expected outcome is a change that brings the metropolitan planning process into compliance with a planning statute or regulation; failure to respond will likely result in a more restrictive certification.
 - Recommendations (if applicable) Recommendations address technical improvements to processes and procedures, that while somewhat less substantial and not regulatory, are still significant enough that FHWA and FTA encourage that State and local officials will take action. The expected outcome is change that would improve the process, though there is no Federal mandate.
 - Commendations (if applicable) Commendations are processes or practices that demonstrate innovative, highly effective, well-thought out procedures for implementing the planning requirements. Elements addressing items that have frequently posed problems nationwide could be cited as commendations. Also, significant improvements and/or resolution of past findings may warrant a commendation.
- **Resolution (if applicable)** A resolution identifies the actions that will be (or have been) taken in response to a corrective action.

The following sections detail the observations and findings from both the on-site visit and desk review of the BSRC planning process. As discussed above, the observations described what the review team observed as the current status for each of the following topic sections.



Organizational Framework

Regulatory Basis: According to 23 CFR 450.310 a Metropolitan Planning Organization needs to be designated for an urbanized area with a population of more than 50,000 individuals as determined by the US Bureau of the Census. MPO staff is needed to carry out the scope for the metropolitan transportation planning process as presented under 23 CFR 450.306.

In regard to <u>planning agreements</u>, 23 CFR 450.314(a) states: "The MPO, the State(s), and the public transportation operator(s) shall cooperatively determine their mutual responsibilities in carrying out the metropolitan transportation planning process. These responsibilities shall be clearly identified in written agreements among the MPO, the State(s), and the public transportation operator(s) serving the Metropolitan Planning Area (MPA)."

Observations: All jurisdictions in the urban area are represented with a balance between Iowa and Illinois representation. Small communities within the MPO are caucused for an lowa and Illinois representative. Public transit is represented as a mode, specifically for the Metropolitan Mass Transit District in the Illinois Quad Cities. The Policy Board has an equal balance of Iowa and Illinois representatives representing the MPO member governments, reflecting the demographic population distribution between the two states. The BSRC consists of 35 persons representing counties, cities, and program and designated constituencies throughout the Quad Cities Region. Approximately 71 percent of the members are elected officials, and 29 percent are citizen appointments. Membership is approximately proportional to population with 13 county representatives, 15 city representatives, and seven program and designated constituency representatives. BSRC has a good organizational structure and sufficient professional staff to carry out the work that fulfills Federal planning requirements. The MPO works very well with its member governments and is adequately staffed with several planners, a transportation engineer and a graphic specialist. The MPO also employs a Quad Cities Transit Coordinator, who assists the Iowa Quad Cities transit systems and works to promote transit system interconnectivity with the Illinois Quad Cities MetroLINK transit system. The BSRC has a professional team of staff who work extremely well to address transportation planning in the Quad Cities metropolitan area.

In regard to planning agreements, the most current planning agreement is dated December 20, 2011 between the MPO, the state DOTs, and the transit providers. The MPO also has an annual contract with the Iowa and Illinois DOTs. The review team observed an Iowa DOT modeling presentation (Appendix F), through which the DOT demonstrated providing an ever increasing role and expertise in the development and maintenance of the MPO travel demand model.



MetroLINK represents transit and is a voting member on the Policy Board. This meets the MAP-21 requirements that TMAs include transit agencies as voting members.

Finding: The Bi-State Regional Commission is compliant with the federal planning regulations.

Recommendation: None.

Commendation: BSRC is commended for its cooperative planning work with the Quad City transit systems. This cooperative effort is exemplified by BSRC's position, the "Iowa Quad Cities Transit Coordinator", which is funded by Section 5307 dedicated to the Bettendorf and CitiBus transit systems to market and perform service planning for transit service, including holding "train the trainer" workshops on how to access transit services in the Iowa Quad Cities. The Coordinator has provided this service since 2005 and provides "one stop shop" service marketing assistance. The 2012 Iowa Quad Cities Transit Riders Guide was a national best practice and continues to be distributed to transit passengers. The Guide, which is also available online, provides a comprehensive list of attractions, including schools, public facilities, medical and dental facility location and grocery and supermarkets, on each bus route.

Transportation Planning Work Program

Regulatory Basis: A TPWP covers one to two years and typically contains several elements. According to 23 CFR 450.308 "each MPO, in cooperation with the State(s) and public transportation operator(s), shall develop a Unified Planning Work Program (UPWP) that includes a discussion of the planning priorities facing the MPA. The UPWP shall identify work proposed by major activity and task (including activities that address the planning factors in §450.306(a)), in sufficient detail to indicate who (e.g., MPO, State, public transportation operator, local government, or consultant) will perform the work, the schedule for completing the work, the resulting products, the proposed funding by activity/task, and a summary of the total amounts and sources of Federal and matching funds."

Observations: Within its Transportation Planning Work Program (TPWP), BSRC annually develops a work program, according to the Federal requirements and state guidelines. A draft is submitted to each state DOT by April 1st of the year, and a final work program is submitted by June 1st. The MPO provides adequate opportunities for public input. Based on the staff's assessment of planning needs, BSRC subsequently determines work activities in the TPWP which meets the transportation planning needs of its member governments.



BSRC provided an organization chart in the questionnaire in <u>Appendix C</u>. Federal transportation planning funds represents roughly 44% of BSRC's budget. Assignments are provided to staff on a project or task basis, allowing for staffing flexibility contingent upon timing, workload, staff availability, and skills required for a project. Employees are required to track their time spent per TPWP activity on a timesheet that lists each planning activity, i.e. Administration, General Planning, Short Range Planning, and Long Range Planning. The FY2016 TPWP provides estimated hours by staff title and planning activity.

The TPWP has an excellent discussion of the planning priorities and issues facing the Quad Cities urbanized area and also includes a thorough review of planning studies being undertaken to meet the metropolitan area's transportation issues and needs. The MPO has monthly staff meetings to review actual expenditures on work program line items versus line item budgets. This process keeps staff very cognizant of how their work activities are meeting work program activities' goals and budgets.

The work activity performed by BSRC in regard to maintaining and improving air quality in the Quad Cities metropolitan area is best practice. The Bi-State Air Quality Task Force was established in 1998 and has since met regularly to voluntarily address emissions reductions education and outreach. The Task Force began at the MPO level and has expanded to include the entire Bi-State Region. The Task Force also assisted in the development of a multi-media Clean Air Counts effort under a grant from the Alcoa Foundation (2011-13), "Make Air Quality Visible" strategic plan (2015), to outline efforts to reduce emissions and assisted in the establishment of the Bi-State Region Clean Air Partnership, a voluntary membership of organizations that have pledged to reduce emissions. An Iowa Clean Air Attainment Program (ICAAP) Grant funded the Partnership. Subsequent ICAAP applications for traffic analysis and safety education (2014) and bicycle and pedestrian promotion (2015) were unsuccessful. The Household Travel Survey (2014) funded a portion of the 2011 ICAAP application. The study results were used in the travel demand model and provided information, in the event that the area would be classified as non-attainment for air quality modeling. The MPO continues to maintain the www.gctransit.org website as a continuation of prior efforts to promote singleoccupant vehicle alternatives. This website acts as a portal to the various area transit systems as one unique URL.

Finding: The Bi-State MPO work program meets the requirements listed under 23 CFR 450.308.

Recommendation: CitiBus has lapsing FTA Section 5339 Bus and Bus Repair funding and it is recommended that a grant application is immediately prepared and submitted to the FTA Region VII office.



Commendations:

- The MPO's work program is a best practice for its discussion of transportation issues in the metropolitan area.
- BSRC is commended for having monthly staff meetings to review actual expenditures on work program line items versus line item budgets. This keeps staff very involved in tracking the TPWP work activities and deliverables.
- BSRC's work activity to maintain and improve air quality in the Quad Cities metropolitan area is best practice.
- BSRC is commended for its Indirect Cost Allocation Plan. The BSRC's Administrative Services Director is very experienced in preparing indirect cost allocation plans and has been preparing these plans since 1987. The current cognizant agency is the Iowa EDA.

Metropolitan Transportation Plan

Regulatory Basis: In regard to the Metropolitan Transportation Plan, 23 CFR 450.322 states "The metropolitan transportation planning process shall include the development of a transportation plan addressing no less than a 20-year planning horizon... the transportation plan shall include both long-range and short-range strategies/actions that lead to the development of an integrated multimodal transportation system to facilitate the safe and efficient movement of people and goods in addressing current and future transportation demand."

Observations: The current MTP was adopted on March 23, 2016. The Horizon Year is 2045 and the next MTP update is due for adoption in March 2021. Future transportation issues identified in the long range transportation planning process included the following list. Issues were derived from kick-off meetings, online engagement, and electronic surveying and included:

- Aging Facilities & Equipment
- Shifts in Where People Live and Work
- Changes in Who Lives and Works in the Quad Cities
- Use of Technology to Solve Problems
- Limited Funding
- Creating More People-Friendly and Healthy Travel Choices
- Corridor and Spot Congestion



- Safety and Security of Users and Assets
- Connecting to Regional and Global Markets
- River Crossing Capacity
- Measuring Performance and Prioritizing Projects

As the Regional Planning Agency in the region, BSRC staff assists with comprehensive land use planning and sustainability plans within the Bi-State Region. A history and status of comprehensive planning can be found in the Appendix of the TPWP. As part of the Long Range Transportation Plan (LRTP) update, a revised future land use map was prepared for the metropolitan area, identifying the types of land use proposed by the individual jurisdictions.

Performance Measures, as determined by the State DOTs of Iowa and Illinois, BSRC and the public transit operators, will need to be included in the next updated MTP.

Finding: BSRC Metropolitan Transportation Plan meets the requirements of 23 CFR 450.322.

Recommendations: None

Commendation: BRSC is commended for the inclusion of land use maps of jurisdictions in the MTP work activity.

Transportation Improvement Program

Regulatory Basis: According to 23 CFR 450.324, the MPO shall cooperatively develop a TIP that is consistent with the MTP and is financially constrained. The TIP must cover at least a four-year horizon and be updated at least every four years. Additionally, the TIP must list all projects in sufficient detail outlined in the regulations, reflect public involvement, and identify the criteria for prioritizing projects.

Observations: The review team observed that BSRC has a well-established system for project selection. The MPO annually solicits STPG and TAP/TA Set-Aside project applications from member governments and participating agencies and conducts technical scoring, with assistance of MPO subcommittees, to determine project eligibility. The following scoring matrix is used for the selection of FHWA STPG projects.



	Category	Criteria	Maximum Points
1.	Level of Service	Existing Volume/Capacity Ratio 10-Year Projected Traffic Volume Traffic Congestion Reduction	50 50 50
2.	Safety	Total Number of Accidents Accident Severity Accident Rate	50 50 50
3.	Physical Condition	Surface Type, Facility Condition, Existing Volume, 10- Year Projected Volume, Number of Lanes	150
4.	Special Consideration	Air Quality Truck/Business Route Connectivity Employment Center	0-2% 1% 1% 1%

The special considerations also align with the national measures related to freight, system reliability, and environmental sustainability. The STPB and TAP evaluation manuals were updated with the completion of the MTP update. Factors outside of the scoring process that affect the selection are geographic distribution of the projects and ability to match the federal share, which can affect timing. Information is also provided related to environmental justice to supplement the decision-making. BRSC will need to work with the lowa and Illinois DOTs to retain a TIP process that is in compliance with FHWA/FTA's new planning and performance measure requirements. Compliance with the performance measure requirements is to be completed by the State DOTs and MPOs in a timely fashion as required by federal regulations.

The review discussion indicated potential difficulties in identifying and tracking Complete Streets project components for road projects. The possibility was discussed of having the option of adding the detailed bicycle and pedestrian details to road improvement projects descriptions included in the web-based tracking system and in the regional TIP document. Currently, such details are not included to the extent that would allow tracking to ensure that the components are included in completed projects.

Finding: BSRC's TIP meets the requirements of 23 CFR 450.322.

Recommendation: It is recommended that the regional TIP is updated to include Complete Street project components that are being constructed as part of a road improvement project. This is particularly valuable information for projects that were competitively selected based on a process that places emphasis on the inclusion of these components.



Public Involvement

Regulatory Basis: 23 CFR 450.316 sets forth the primary requirements for public involvement, including the development of a Public Participation Plan. Public involvement in connection with the MTP is specifically addressed in 23 CFR 450.322 (g) (1) (2), (i), and (j) and specifically for the TIP in 23 CFR 450.324 (b).

Observations: The Public Participation Plan was updated in 2015 and is currently under amendment, which will be adopted in June 2016. FTA and FHWA issued FAST Act Performance Measure final regulations in May 2016. The review team noted that, since the previous review, the MPO's public outreach efforts have increased and new, alternative outreach methods have been implemented. In addition to libraries and transit centers, BSRC also includes soccer tournaments and ice rinks as locations of outreach to inform the public of planning processes. BSRC's website technique also serves as a forum for public involvement. An example of online public involvement included using the "MindMixer" engagement platform for the MTP update which attracted 800 visitors from the public who viewed or contributed their comments on the MTP draft.

BSRC has plans to create additional webpages within the BRSC site (bistateonline.org) to separate its current Transportation Planning resources and make them more easily identified. Additionally, BSRC will work to ensure that transportation planning information will be more visible and accessible for member agencies and the public on its website. Also, there is also a need for updating the website and Public Involvement Plan to include FAST Act requirements.

Finding: BSRC's public involvement efforts and public participation plan are compliant with the federal planning regulations.

Recommendations:

- Although the Public Participation Plan is currently undergoing an amendment, it is recommended that Bi-State also update its Public Participation Plan to reference and meet requirements of the FAST Act.
- Public Participation Bi-State Website Recommendation: While Bi-State stated it will revise its site to have a Transportation home page, we recommend that Bi-State staff work to ensure that Bi-State's transportation planning activity is much more visible and accessible to member agencies, Bi-State's planning partners, and the public.

Commendation: BRSC is commended for public involvement that includes reaching out to the community in both traditional and unique spaces.



Title VI, Environmental Justice, Limited English Proficiency

Regulatory Basis: Title VI of the Civil Rights Act of 1964 states that "no person in the United States shall, on the ground of race, color, or national origin be excluded from participation in, be denied the benefits of, or subjected to <u>discrimination</u> under any program or activity receiving Federal financial assistance." Title VI bars intentional discrimination as well as disparate impact on protected groups.

The federal transportation planning regulations, noted under 23 CFR 450.316(a)(1)(vii), requires that the MPO seek out and consider the needs of those traditionally underserved by existing transportation systems, such as <u>low-income and minority</u> households, who may face challenges accessing employment and other services. Furthermore, 23 CFR 450.334(a) (1)-(10) outline applicable nondiscrimination requirements to which an MPO must self-certify.

The Executive Order 12898, issued in 1994, amplifies the Title VI provisions. It states that each federal agency shall make achieving <u>environmental justice (EJ)</u> part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations.

Executive Order 13166, Improving Access for Persons with <u>Limited English Proficiency</u>, was executed in 2000 to improve access to federally-conducted and federally assisted programs and activities for persons who, as a result of national origin, are limited in their English proficiency (LEP). It requires Federal agencies to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Finally, 23 CFR 200.9(b)(3) directs State Transportation Agencies (STAs) to develop a prompt <u>complaint disposition process</u> while 23 CFR 200.9(b)(7) directs the STAs to conduct Title VI/Nondiscrimination reviews of sub-recipients, which include Metropolitan Planning Organizations.

Observations: During the project selection process for the MTP and TIP, the MPO ranks the projects and then provides maps of areas that may need to be addressed for environmental justice needs. With the current MTP, they determined that projects were evenly distributed in the region and that transit provided adequate coverage. The full process is detailed in <u>Appendix</u> <u>C</u> of the MTP. The MPO developed and distributed Spanish language flyers for their most recent MTP. They also did specific outreach to a Hispanic neighborhood. The MPO also maintains a



committee, the Regional Transportation Advisory Group (RTAG), which represents a variety of interests and includes potential representatives of the EJ community

At the review, Bi-State requested that FHWA and FTA provide better coordination amongst the two agencies for civil rights submittals and clearinghouses. Currently, state and local planning agencies become confused with the subtle differences between FTA and FHWA civil rights guidance and statutory requirements.

Finding: BSRC meets the requirements of Title VI, Environmental Justice, Limited English Proficiency.

Recommendations: None

Commendation: Transportation-Health Commendation: Bi-State is commended for its involvement in the "Quad Cities Health Initiative" under a cooperative community effort through a grant from the Centers for Disease Control (CDC) which includes safe routes to school in low income minority areas, development of an interactive trails website, school wellness programs and establishing community gardens. Bi-State has received a NADO Regional Transportation Excellence award for this work activity which focuses on reducing obesity and heart disease.

Travel Forecasting

Regulatory Basis: Federal transportation planning legislation requires each metropolitan planning organization (MPO) to develop a transportation plan as part of its planning process [23 U.S.C. 134 (g) and 49 U.S.C. 5303 (f)]. This transportation plan must cover at least a 20-year planning horizon, and "shall include both long-range and short-range strategies/actions that lead to the development of an integrated intermodal transportation system that facilitates the efficient movement of people and goods" [23 CFR 450.322]. Additionally, 23 CFR 450.322(f)(1) states that the metropolitan transportation plan shall include the projected transportation demand of persons and goods in the metropolitan planning area over period of the transportation plan.

Observations: The review team observed that BSRC used data generated from its contracted Household Travel Survey. The survey was conducted between July 2013 and January 2014, and the majority was completed between October and January. BSRC targeted a sample size of 1,500 households, and nearly 1,800 household surveys were completed. For households



filling out travel diaries and those with GPS tracking, their efforts represented 2,800 hours of volunteered time towards the survey. The survey results included 4,100 persons, 3,523 vehicles, and 13,803 trips. A trip was defined as travel between an origin and a destination.

To help predict future travel negotiating the Mississippi River in the Quad Cities, participants were asked about their bridge crossing travel patterns. Of the households surveyed, 58% reported bridge crossing travel at least once per week, and 28% reported at least one bridge crossing daily. Nationally, the average is 8-10 trips per person per household per day. The average trip rate for the Quad Cities on the entire data set was 7.8 trips. The survey data was stratified by household size, income, and presence of workers in the household. Consistent with other national trends, larger households make more trips in the Quad Cities. Households with more vehicles make more trips, and households with greater income also make more trips. The data was also shown by trip purpose, such as work trips or shopping trips, and vehicle occupancy by trip purpose.

The software used for the Travel Demand Model is TransCAD. The model is validated and calibrated within Federal Highway Administration standards. It is based on Quad Cities Household Travel Survey data and also uses a variety of data other sources for model input, including Census, Reference USA InfoGroup employment data, school district, Departments of Transportation centerline and Annual Average Daily traffic data, and other local sources for network confirmations. Through the use of Iowa DOT modelers and consultant assistance, network improvements, socio-economic data, scripting, time-of-day/peak hour, and trip generation within the TransCAD software were improved/added and a fully calibrated and validated model was achieved. Through this process, the MPO has received additional recommendations for model improvement, including the following baseline improvements or advancements to the modeling efforts:

- Concentration on employment data accuracy
- More detail on trip generation procedures
- Better representation of travel time and capacity effects at signalized intersections
- Enhanced trip distribution procedures
- Improved mode share estimates
- Better highway assignment algorithms
- Improved reporting and mapping functionality

The Iowa DOT made a presentation on the Quad Cities Travel Demand Model and stated that the modeling for BSRC's MTP has been much improved since the previous 2012 Certification Review. See <u>Appendix F</u> for the presentation slides.



Finding: BSRC accomplishes the requirements of 23 CFR 450.322(f)(1), thereby estimating future travel demand and analyzing the impacts of alternative transportation investment scenarios, utilizing a computerized travel demand forecasting model.

Recommendation: None

Commendation: The modeling section with the Iowa DOT is commended for working with BSRC to improve the Travel Demand Model for the MTP. BSRC is commended for contracting for the Household Travel Survey, which provided current data for use in the model.

Congestion Management and Operations

Regulatory Basis: A Congestion Management Process (CMP) is a requirement for transportation management areas (TMAs) and is a systematic approach for managing congestion through a process that "provides for safe and effective integrated management and operation of the multimodal transportation system, based on a cooperatively developed and implemented metropolitan-wide strategy, of new and existing transportation facilities eligible for funding under title 23 U.S.C., and title 49 U.S.C. Chapter 53 through the use of travel demand reduction and operational management strategies." (23 CFR 450.320(a)).

The FHWA Final Rule and FTA Policy on Intelligent Transportation Systems (ITS) Architecture and Standards was issued on January 8, 2001 and codified under 23 CFR Part 940 ITS Architecture and Standards, implements Section 5206(e) of the Transportation Equity Act for the 21st Century (TEA-21). This Final Rule/Policy requires that all ITS projects funded by the Highway Trust Fund and the Mass Transit Account conform to the national ITS architecture, whether they are stand-alone projects or combined with non-ITS projects, as well as to U.S. DOT-adopted ITS standards.

Observations: The Congestion Management Process for the Quad Cities region is currently being drafted. Data collected for the process include travel time surveys, volume/capacity (V/C) ratios, level of service information, vehicle miles traveled, non-recurring delay due to crashes and accidents, and transit service data. V/C and crash data were used to guide the decision making process in prioritizing expansion projects in the MTP. The region's Surface Transportation Program project selection process prioritizes submissions based on V/C, traffic volume, crash data, and physical condition; and gives special consideration to air quality, designated truck/bus routes, connectivity, and proximity to employment centers, all of which tie back to the CMP.



The MPO is heavily involved in the development of several local evacuations plans and work specifically on the diversion route for I-80. BSRC has staff also involved in operational planning meetings for the I-74 bridge construction.

Finding: BSRC complies with the requirements of 23 CFR 450.320.

Recommendation: FHWA and FTA note that the current CMP from the 2040 MTP is out of date and needs to be updated. It is recommended that the MPO finalize their updated Congestion Management Process according to their stated schedule of the fall of 2016.

Commendation: The MPO is commended for keeping their ITS architecture up to date by addressing it yearly in the planning process. The database has been updated with changes as part of the I-74 Mississippi River Corridor. The document provides an overall framework and is revisited annually with a joint Iowa-Illinois traffic safety group meeting.

Disposition of Action Items from the 2012 Certification Review

Observations: All categories of recommendations from the 2012 Certification review have been adequately addressed and closed for all categories that were identified during the last review. The following list was provided by BRSC:

- 1. Agency Cooperation MPO has striven to work cooperatively with coordinating agencies toward collaborative goals. Examples: I-74 reconstruction implementation, regional freight plan, travel demand model development
- Travel Demand Model Completed *Quad Cities Household Travel Survey* (2014) and utilized consultant expertise to develop trip rates and provide model enhancements, including providing full migration of model to TransCAD, time-of-day & peak-hour capabilities, and assistance on model calibration/validation on 2040 model (2013-14). Hired consultant to finish calibration of 2045 travel demand model to meet LRTP deadline (2015). Held 2013 DOT & FHWA meeting on LRTP and model timelines. Regular attendance at MTMUG and IL Modelers Users Group. Attended Household Travel Survey (2013) and TRB conferences 2014 & 2015.
- Long Range Plan Held plan development meetings with DOTs and FHWA 4/2013, 12/2013and 1/2015. Shared plan and model development timelines throughout process. Plan adopted March 23, 2016 on time.



- 4. Metro Area Boundary Resolved mapping issues.
- 5. Interested Parties, Participation and Consultation Restructured website 9/2013 to separate MPA from RPA and added page for public participation information 11/2015. Added reference to "data" and LEP information to public participation plan 5/2013. Incorporated EJ outreach utilizing consultant assistance to reach minority/ethnic groups, focus on Latino/Hispanic populations for LRTP (12/2015). Developed/utilized voluntary outreach survey (2014, 2015) for LRTP public meetings to collect information on income, minority status and ethnicity. Utilized online public engagement tool MindMixer for transportation and economic development public input (4/2014-6/2014).
- 6. **Transportation Improvement Program** Incorporated EJ analysis in STP programming processes as part of decision-making process 2014. Noted in TIP tables when project programming is anticipated, as early announcement. Continued practice of including RTAG on call for projects solicitation to local jurisdictions.
- 7. Certification Review Public Involvement Meeting Coordinated with FHWA on hold public hearing as part of the Certification Review 4/2016.
- 8. **Interagency Planning (Transit Facilities)** Initiated MPO transit manager's quarterly meetings 2014.
- Quad Cities Transit Advisory Working Groups Held regional transit summits in lieu of formalized committee 12/2013 Centre Station, Moline; 3/2014 Library, Muscatine, 4/2015Library Muscatine, 12/2015 Library, Bettendorf. Attended on-going meetings for Muscatine Human Services group and RIM Transit (Rock Island-Mercer County Transit), and MetroLINK board. Hold MPO transit manager quarterly meetings, initiated 2014.
- 10. Environmental Justice Analysis Implemented in TIP and in STP programming process6/2014. Included EJ analysis in *Bi-State Region Transit Development Plan* (2015), *Title VI Program and Non-Discrimination Policy for Bi-State Regional Commission* (2015), 2045 Quad Cities Long Range Transportation Plan (2016).

Conclusion

Certification Action

As per the language in 23 CFR 450.334(b)(1)(ii), it has been determined that the transportation planning process in the Quad Cities metropolitan area substantially meets the requirements of this part and a TIP has been approved by the MPO and the Governors and is certified with conditions. The FHWA and FTA jointly certify the transportation planning process through August 29, 2020.



Appendix A: 2016 Bi-State Regional Commission Certification Review

Tuesday, April 26

10:30 a.m.	Kick-Off – Introductions and Overview
10:45 a.m.	MPO Transportation Overview Power Point
11:15 a.m.	MPO Organization/Membership
	Agreements and Coordination/Bylaws
	Metropolitan Urbanized & Planning Boundaries
	Roadway Functional Classification
12:00 p.m.	Certification Review Public Hearing during Transportation Policy Committee at
_	Bi-State Office
1:00 p.m.	Lunch (order-in)
1:00 p.m.	Travel Demand Modeling Overview
	Iowa DOT Live Demo
	Household Travel Surveys
2:00 p.m.	Metropolitan Transportation Plan (MTP)
	Fiscal Constraint/Year of Expenditure/Illustrative Projects
	Transportation Improvement Program
	Amendments/ Modifications/Advanced Construction
	Self-Certification Assurances
	Unified Work Planning Program (UPWP)
	Indirect Cost Allocation Plan status (Illinois)
5:30 p.m.	Adjourn

Wednesday, April 27

8:30 a.m.	Transit & Coordinated Human Services Plan.
	Agreements and Coordination/Designated Recipient
10:00 a.m.	Break
10:15 a.m.	Title VI, Environmental Justice, LEP and ADA
	Public Participation Plan/Public Involvement
	Congestion Management Process
	Intelligent Transportation System/Architecture
	Safety and Security Planning
11:30 a.m.	Lunch/Federal Partners Working Session
12:30 p.m.	Freight Planning/Regional Study Overview
-	Passenger Rail and River Ports
	Non-motorized Transportation/Bike & Pedestrian
	Air Quality, Climate Change & Greenhouse Gas
2:45 p.m.	Break



3:00 p.m.	Depart for Commission Meeting in Scott County
3:30 p.m.	Bi-State Commission Meeting /Brief Presentation
4:30 p.m.	Depart for Bi-State MPO Office
5:00 p.m.	Closeout meeting with MPO staff at MPO Office
6:00 p.m.	Adjourn/Timeline for Certification Review report



Appendix B: Sign-In Sheets

MEETING ATTENDANCE RECORD MEMBERS, GUESTS & STAFF (Please Print Legibly) Meeting of: <u>Quad Cities MPO Federal Certification Review</u>

ate: <u>April 26-27, 2016</u> Time: 10:: ace of Meeting: <u>Bi-State Regiona</u>		· · · · ·
Name:	Title/Representing:	Contact # or Email:
1.Gena McCullough	Planning Director/BSRC	793-6302, Ext. 146
2.Brandon Melton M	Planner/BSRC	793-6302, Ext. 122
3. Garrett Pedersen	Planner, Ione DUT	515-239-1520
4. Dan Long	IZ. DOT	Dan. Long @ Alinois.gev
5. Andrea White	Planner, Iowa DOJ	515-239-1210
"Adam Shell	Plannen, louse DOT	515-289-1221
Phil Mescher	Planner, Lousa DOT	515-239-1629
B. Mark Bechtel	FTA Regian VI Team Le	aler 8/10-329-3437
9. MIKE KUREK	ENGLIER OLINE	309-524-2354
10. Bryan Schmid	BSRL	
11. Holly Ostdick	Illinois Do T	217-785-2994
12. Sean Littery/	FITWA-	Scan, litteral @ bot.gov
13. Darles Huggboom	FHUA	darla, hugaboon @ dot.
14. Jan Spea	IowaDOT Dist6	0 9
15. Doirg De Lille	ILDOT - Springfield	815-284-5445
16. Randon Metter	BASA	
17. Denude Bulat	Bi-Staty Regirinal Com	Abulat a bisketionline.
18. Betsy tracy	FHWA-IL Division	217/492-4642
19. Nikita Rainei	IIII DOT	nikita.rainey@dot.iava.g
20. Donna Moritz	Bi-State Admin Services	Div. dmovitz & bistoteor
21. RANDY ZOBRIST	River BOND TRANSIT	563-386-7484 01
22. Jeff Nelson	MetroLink	309-786-2705
23. RUNT SHOBLE	CitiBus	563-2888-2150
24. Bucky Passman	BSRC	
25. Jeff Nelson	MetroLINIC	

DD\sg forms\Meeting Sign-In Form (OVer) 11/7/06



Name:	Federal Certification Review Title/Representing:	Contact # or Email:
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Appendix C: Responses to the Certification Review Team Guidelines (Questionnaire)

Contemmer, Inventment, Affordatolay, Land Uar, Geographic Coverage, and Safety. The projects are collected into the TDP and flow into the Transportation Improvement Plan. Additionally, ESSIC typically hosts a monther of piblic arguit meetings and week incoming (regions of projectilizings from the transit centrum. The TEP/METP office income likely, terms of listed commands than the amoud TEP/STP, but is more refined than the Long Sampe Transportation Plan (LSTP).

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17. To what extent does BSRC roordinate land use or other infrastructure plans, policies, and strategies throughout the regim?

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Discuss any initiatives to reach beyond the usual stakioholders: and interest groups that are concerned with such source as boosing, public lookh and fitness, water resources, ar other "som-traditional" transportation inness, programs, or artistics. 18.

Ar the Regional Planning Agency, BSRC staff has peopled technical anistrance related to public health and finners, regional food systems, floodylaw management, water resources, public radety communications, haard malgation, and scatanability planning.

Page 19

BSRC stall have an interim planning and have suggeri in Be Healby QC, a mids-organization aparts while facilitated by the Qual City Health Listicative under a Center for Darasis Chand and Freemain (CCC) Patternity to Improve Chancianty Health (ECC) parts. Functional and Freemain (CCC) Patternity to Markov medical citerative, MCCs, in an experimentation of the Complexity of the Complexity of the Section of the Complexity three open grant initiated in 2014 imprise four attac – school without community galaxies, and place and the overlap, a web based, attractive, model density main map. (Chantrave mathematic and Dark CSC) attractive website focus attac – school without the open star place and the overlap, a web based, attractive, model density main map. (Chantrave mathematic ange) The CCT mathematic and you be west completed in Complexity and large stores attraction of the overlap of the overlap interaction and you be the Markov and an attraction of the overlap interaction of the overlap interaction of the overlap interaction of the overlap interaction of the overlap overlap of the overlap of the overlap interaction overlap overla

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- Rock Island County Multi-Jorenteeninal Hazard Mitigation Flaw (2016)
- B-State Regional Intelligent Transportation Lytters (175) Architecture Flaw (2013)
- DOJ Interoperability Fiber Communications Project (redundant fiber loop in 2-state area)-ingoing
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Staff also provide research and information on wind, oilar, and getthermal power. Through air quality efforts, staff continue to promote afternative field and setuction in relation to energy and

qiality efi air quality Discuss the Metropolitum Transportation Plan and any evaluation of bikeway system policy and infrustructure

There are over 100 miles of Subiosyrin the Quol Ches with plans for an additional 200 miles as part of the Long Range Transportation Plan (LETP). The LETP addresses both locytic and prefermion astrochologing allocal margin, Complete Transmis, and solibity plantanics en today and at the Entrare. Additionally, the ETP evaluation protein metoranets project that resport Complete Streets for howing and applications and standards.

Beforence: 2015 Quad Chies Long Range Dampertation Flam Chapter 5, http://artice-mine-scottenen-science/article/sciences-sciences/2012-11-15-20-13-45/anal-

20. How do local hicyde and pedestrian plans and nivocacy groups influence the non-motorized component of the transportation planning process?

More than the second se

21. Discussibles public health is being considered in any regional planning for walking, biking, or other forms of artive transportation? Briefly explain the QC Trails project and website

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Additionally, the Re Date Region Air Quidity Task Form primitize educatory offers to reduce out-the minimum.

LONG RANGE TRANSPORTATION PLAN/METROPOLIAN TRANSPORTATION PLAN

22. Discuss the goals of your recently adopted MTP

The 2063 Quad Cutes Long Europe Transportation Fiam development goals are as follows and respont the regional mixes noted under Question 2.

- Residential Development Produce wheat tendential areas to be designed and quality-hased for people disensity, healthful, anticfying losing
- Communication and Industrial Development Fourier talent and innovation to return
 employees/employees and amart new businesses that generate economic visibity
- Transportation Develop a transportation system to provide for the motamable
 movement of people and goods.
- Cultural Attractions, Recreation, and Open Space Connect people to cultural attractions, recreational facilities, and open quark to fulfill needs for community without
- Government and Public Facilities and Installations Advance governmental and
 public facilities/installations, program.termices, and product that will provide adfinient
 rapacity for the present and future needs of the notion. Bi-Otate Regim, and Quad Over
- Urban Design Dreate safe, cocure, attractive, convenient, community/hared/iving and
 working conditions that minimize effects and provide quality of life benefits for Quad

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2016 U.S. DOT Planning Certification Review Bi-State Regional Commission (BSRC) - Quad Cities MPO, IA/IL Transportation Management Area

Advanced Review Questionnaire and Response

Heare respond to the following questions that are intended to document processes and/or focus discussion as part of the on-oiste review on April 26-27, 2016. Heare contact Betry Trays, FHWA, at 21/14/02.4624 (university insufficient acoust) or Mark Bechtel , FTA, at 816/329-3937 (<u>mark bechtel@idst.cor</u>) with any questions or concerns.

REGIONAL PERSPECTIVE

1. Briefly discuss demographic and socio-economic conditions and trends in the region

The Quad Cities is geographically located along Interstate 80, nearly equidistance between Chicago and Des Moines at the Mississippi River Bordening eastern Iowa and western Blinois, the Quad Cities is a two-state urbanized area with 17 configuous communities.

Between 1950 and 2010, there has been a 29.4% population increase in the Quad Cities metropolitan area. A dip in population and employment occurred in the late-1900 when the bottom dopped cut from under the farm implement inclustry, and the Quad Cities lost nearly 10,000 jobs. However, the area is back to its population height in 1980.

The 2010 Cenus population for the Metropolitan Haming Area (MPA) is 298,005. The median age of residents is 36 4 years, higher than the Illinois, Iowa, and national averages. There are 10,260 household with an average of 2.37, which is its ourer than the national average of 2.38. Minoniter represent 17% of the MPA population, and Elispanic or Laince enhistity is 38 39% of the MPA population. The media household since is 549,783 compared to the U.S. median necome of 553,046. The largest employers in the Exot Island Areemal with 2000 jobs, followed by Derer & Company, and the two nack alc enters, Genesis and Unity Pant-Tinnity. Naufy 50% of the MPA population 25 years and older have a high school diplema or higher.

automas or magnet. Menne comparing statistics for the Davenport Iowa-Illinois Urbanized Area with inmular peer communities such as Des Moines, Rockford, Peona, Fort Wayne, and Hinstwille, the Quad Olite wars on the higher ange of the following criterian medias age (27 Syravi), percentage who drive alone (35%), and percentage of owner occupied bosoning units (65%). The Quad Chics wars indexing compared to peer unbained areas for percentage of minorities, percentage of workers with no vehicle, and percentage in powers). On the composition of percentage of population 55 & older, mean tarel bane to work, percent vacant bosoning units, and percentage comparable statistics tend to show positive trends for the Quad Chies economy conn dening the peer areas.

In the metropolitan area, 7% commute within their respective county. In Rock Island and Scott Counties, 2% commute between the two counties, based on the 2009-2013, 5-year estimates

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- River Crossing Capacity
- Measuring Performance and Prioritizing Projects

(References: http://www.acvision.org/, and 2045 Quad Cities Long Range Transportation Plan, Executive Summary and Chapters 1 and 3, http://botateonline.org/hansportation/orgad-citiesmeter-stammar/2012-11-13-20-19-45/ound-cities-instruction-form-remove-stamonortation-stam

3. Briefly discuss travel trends (VMT, transit usage, bike-ped, etc.) and transportation funding conditions (state and local) in the region

There are 2,057 miles of readway with one-third being Federally Functionally Classified at collector or higher. Intertates represent 1248 miles of the system. The highest traffic cont least on in the Quad Class in located on 1.74 at the Miresney? Biver with 70,000 (2013) vehicles per day and groupsched to be 97,600 (2045) with the completion of the 1.744 Missinspin Baver corridor reconstruction project. With 25% working in const state and biving in another, there is a strong need to cross the Mississops River at one of the five bidge crossings.

is a strong need to cross the Massimpps River at one of the five to high crossings. In the 201514 Quark Clark House Midd Survey, not transprepringent QSM of the tipp by mode. Transitrips uses 0.38%, holes uses 0.09%, and validag use 2.3%. The sensus statistics mirror the mode choice: Annual uninkerditation mir derin 2010 users 4.5 millto than disposited to reach 132 million by 2015. Forty sight percent of the urban population livers within Wenill or fireminute validag distance from a hour route and an estimated 103.722 employees are located within a minute distance. The Quad Chae is areved by three fitned-route public transit system address regional transit systems. Sidewalds are available on use of both oids of 38% of readclassified as cellector or higher. There are 100 miles of biokeways in the netso area, including tron attrans that — Massings Pixer That (BAET) and American Discourey Trail (ADT). The Quad Classified are completed recognition as a Biorgick Findly Community by the Lague of American Biorgicities.

Transportation funding conditions since SAFETEA-LU have been relatively flat or static as the federal level. Similarly, economic i stues have posed some limitations on providing matching dollar for projects. Projects have moved more slowly from programming to implementation as aresult.

4. Highlight the results of your recent Household Travel Survey in your region

The survey was conducted between July 2013 and January 2014 with the majority being completed between. October and January A sample nize of 1500 households was targeted with nearly 1,300 household surveys being completed. For households filling out travel danies and those with GPS tracking, their efforts represented 2,200 hours of volunterest a most towards the survey. The survey results included 4,100 persons, 3,523 vehicles, and 13,803 traps. A trap was defined as travel between an ong an and a detination. So, one trap would be from home to school to drop off kids, and another trap would be from school to work.

To help predict Misenssippi River travel in the Quad Olites, participants were asked about their bridge crossing travel. Of the household surveyed, 50% reported bridge crossing travel at least once per week, and 23% reported at least one bridge crossing daily. Nationally, the average from the American Community Survey. In the 2013/14 Quad Clinet Household Survey, bridge creating households made 11.24 trips per day while the average trips per household for the Quad Cline was 7.74 terms. These statistics point to the denice and need for sufficient river crossing capacity at the Mississippi Ever.

(Reference 2045 Quad Cities Long Range Transportation Plan (LETT), Executive Summary and Chapter 1, http://doi.org/forumerstation/duad-cities-metro-elamente/2012-11-13-20-19-45/mad-ties-metro-citie-long-ange-timmoration-alam)

2. Briefly discuss regional development trends and challenges

Brithy discuss regional development frends and challenges From abroader properties, the Quad Clines Chambers' Regional Opportunities Council, a group of 100 businesses and community leaders, came together in 2013 to develop a regional vision – "The Quad Cleans is recentlying of policity in 2016 for growing and attracting taken and humaneous, is energized for a culturally rick community, inspires innovation and embrases Aldong learning." The vision structure for the Quad Cleans to be a "Ceck". Creative and Prooperous' place to live and work. Eased on the statistic postelin Question 1, the Quad Clien manufacturing or health create an older that marking, diversion in the Quad Client manufacturing or health create, white and non-Elispanic, English language proficient, and has a high redox do glots on a higher. The community is mgaged in dianging its character to reflect the regional vision of the future.

The Quad Cities MPA population is expected to grow moderately from 298,005 (2010) to 328,244 people by 2045, hard on land use forecasts for housing and employment. Employment is expected to grow from 16.1686 (2010) to 108,256 (2015) sole, or crossly 500 new jobs per year. The Rock Island Artenal, as the larger employer, is a critical employer, and the Quad Ones as a whole is working to myport its visibility, as Department of Defence priorities change over time. The area also depends on employers such as Deere & Company, badquartered in Moline and/or model centers:

Future transportation issues identified in the long range transportation planning process included the following list. These were derived from kick-off meetings, online engagement, and electronic surveying. Issues included

- Aging Facilities & Equipment
- Shifts in Where People Live and Work
- Changes in Who Lives and Works in the Quad Cities
- Use of Technology to Solve Problems
- Limited Funding
- Lamited Funding
- Creating More People-Friendy and Healthy Travel Choices
- Corridor and Spot Congestion
- Safety and Security of Users and Assets
- Connecting to Regional and Global Markets

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household person trip is 8-10 trips per person per household per day. The average trip rate for the Quad Clues on the entrier data set was 7.8 trips. The survey data was statified by household ace, income, and presence of workers in the household. Consintently with other antonal rends, larger households make more trips in the Quad Clues. Households with more whicher and more trips, and the prastret more trips in the Quad Clues. Households with more whicher and shown by trip parpose, such as work trips or thopping trips, and whicle occupancy by trip parpose.

(Reference: Final Report Bi-State Regional Commention Household Travel Survey Documentation, 2013-2014, travel dary padent, survey questionnaire, and media release, http://butateonline.com/transportation/aud-cities-metro-alamina/2013-aud-cities-householdteard-cities)

ADMINISTRATION OF THE METROPOLITAN PLANNING ORGANIZATION

Please provide an overview of the Bi-State Regional Commission and where the metropolitan Planning Organization fits in to the commission structure

Interspontant Framma Organization fits in to the commission structure. The Bs-State Regional Commission (BSRC) counts of 35 percents representing counties, white, and program and designated constituencies throughout the Bi-State Region. Approximately 71 percent of the members are elected officials, and 25 percent are chizen appointments? Reaberchap is approximately proportional to population with 15 county representatives, 15 city representatives, and seven program and designated constituency representatives. In the interests of effective and efficient functioning of the Commission, delegated athority groups have been emablished by the Commission tempedite penetic business and planning astructure. The Commission have setablished specific guidelines or limits within the delegated athority groups Two such groups are the Transportation Policy Committee worthers the transportatione planning and programming for the Davesport, LUU Urbaniced Area.

(Reference: Transportation Flanning Work Program \$12016 (TPWP), page II-2, http://doi.org/transportation/audi-cities-metro-planning/2012-11-13-20-10-34/au

6. Who are the members of the BSRC MPO Policy and Technical Committees and what jurisdictions or agencies do they represent? What Cooperative Agreements are in place to guide the planning process?

guide the planning process? Details of MPO-Palicy and Technical Committee membership are sociated annually in the TFWP. Refer to http://finite.com/intercommonstation/sociate-intercommunit/0012211234 2010.53/standardisentements there immonstation common and processing. All just of most is the order area are represented with a bulance between lows and linour representation. Small communities within the MPO are accurated for an low and linour representation. Swall times Quad Guerries. Public transmit the low Quad Clinear representation for Quad public transits represented as a mode, specifically for the Metropolium Mass Transit Drunci in the Junes Quad Guerries. Public transmit in the low Quad Clinear represented by the local junication. The other modes of transportation are invited through the Regional Transportation Advirocy Group or participation on microamitiese, ruch as the Bi-State Regional Transjortation Committee or Bi-State Region Air Quality Taik Force, and as participants in the development of



the Bi-Share Region Preside Place (2015). The Policy Committee is represented by elected official or representative of the transit board. The Technical Committee is represented by policy works, planning, and transmit managers. Both committee includes representation from lows and Binors Departments of Transportation and non-volum representation from PHWA and FTA. Three groups and their colestrepontabilities are detained annually in the TPWP.

The Cooperative Transportation Planning and Programming Agreement is included in the appendix of the TPWP. It was last updated in Detember 2011. There were no changes to the voting membership. A copy of the agreement is placed annually in the Appendix, pages 8-11, of the TPWP.

How the BSRC staff organized and what are their responsibilities? Please provide a copy of your organization chart.

you or guaranteen terms A Bi-State Regard Committion (BSRC) organization that is attached. Federal transportation planning funds represents roughly 44% of BSRC 1 budget. Assignment are perivaded to aff a project or tabk hass. This allow for staffing flexibility depending on timing workload, taff semilability, and shell required for a project. Employees are required to tack that have predper TPWT attivity on a tunchest that lists each planning activity is Administration, General Pamering, Short Kange Planning, and Long Bange Planning. The FY2016 TPWP provides a table, Fage V.6, with estimated hours by itaff lists each planning activity is Administration (Sector) Reference. Transportation (Planning Mork Program F2106 (TPWP), pose V.6.

(Reterence: Transportation Franching Work Program (From (Frwyr), page v. 6, http://bitationline.org/transportation/guad-cite-retra-planning/2012-11-13-20-10-34/quadciteremetro-towp-transportation-planning-work-program)

How are the Transportation Planning Work Program (TPWP) activities developed, selected, and prioritized? Are you on the same funding schedule for Iowa and Illinois?

selected, and prioritized? Are you on the same funding schedule for Inve and Illinois? At a comprehensive, continuing, and coordinated transportation protects, transportation polaring work program arbitrates are reversed on an ac-yoing basis. ESRC management taiff meet moduly to reverse studie verse to beginder closs. Week program implementation of allo under the four categories naturel areas to beginder closs. Week program implementation of allo under the four categories naturel implementation of the program implementation of allo under the four categories naturel implementation. There are required documents updated optically whether simular (EPWP or Transportation Rano errors 2000) for from faree. Channel Development Han's to firse Long Range Transportation is and TES Architecturely years. Priority areas are based on annual discussions of the local priorities indefined through the long range transportation planning processes and changes in federal emphana areas, and are to the the effect althouristion and its pronties. Show the same there is based on grant cycles, ondemand requests, and availability of staffing at that time.

Both states use a July 1-June 30 fiscal year, which is consistent with the MPO fiscal year. 9. What sourcess of funding provide the local match for Federal PL and FTA 5303 Planning funds?

Matching funds for federal transportation doll ars are from local membership dues, Illinois motor fuel tax and Illinois fatte Metropolitan Planning Fands. Membership dues are from county and city governments that are members of Bi-rotate Regional Commission (BSRC). Consults and cities in the urbanized area pay 10 cents per capita greater than those not in the urbanized area to

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2014, the metro area transit managers have been meeting quarterly to discuss coordination issues and activities

The City of Detended forentse a municipal fixed-cost transit system that consists of five (5) routes and ax (6) bases daring peak service. The system connects with Davenport ChiBus at two (2) locations and AdterclDINK in ace (1) location. In 2013, Bettended restress into an Intergoremmental Agreement (GA) with MetroLINK to provide dispatching services, customs call center apposed and instrations remainstrative services. The system connected on the secondary IGA was assessed to provide an additional "tridgelint" bus to enhance consensions between the Blinois Quad Chies to Bettenderff. Battenderff Bat

operate its ADA paratramit service and fixed-route service on Standays. The City of Davemport operates a fixed-route system of 17 routes known as Chibur Public tramit in Davemport logan in 1969 with the creation of the City Transt Authonity, which subsidiest the privately Antel Davemport Oty Lines But Company. The city parchased Davenport Oty Lines and glaced the operation of the transit service under the justication of the city of Department of Municipal Transportation. The 17 Olibur routes are onstead in both radia and grid patterns manading from the Ground Transportation (Center (OTG) located in the heart of downtown Davenport on Niver Drive between Kipley and Harrison Streets. With all buses registered with the radio, Cibbur provide a say account to the anti-ond placed by distancing provides provides are account to the Anti-ond P-distanced Business Parodes previces to the Kiver Charlo Business David Auang peak hours of the businesses to construct the standard David Businesses and Auang peak hours of the businesses to constant the standard events of the businesses to have constant the paratesistic of the Standard Businesses and Auang peak hours of the businesses to constant this area. The City of Davenport constants have revice, along with their compliance target incast theory in David Business 2007 (LOA) paratramatic service and other demand response services, to the regional transit provider Kiver Evend Transit. Meroli, DRK is support der Kiver Evend Transit

to the regional manifyportum events preser trains: MetroLDRK's at annih dimits deventing seven (7) communities in the Blinois Quad Cities. The system currently operates thirteen (13) fixed routes via approximately nixty (80) buies, ADAparatement service, Special Transportation Services for in A viabal with disabilities and dialysis tips, and a areasonal Channel Cd gaussenger fertybox. MitsoLDRK's fixed-oute system, known as the Metro, connects with Davenport and Bettendorf fixed-oute systems. A distonal coordination has occurred between MetroLDRK and RIM Rural Transt (IL-based 5311 provider) and Are of the Quad Cities (relisted work environment and residential facilities for individuals with developmental disabilities).

River Bend Transit (BBT) provides direct ADA-paratransit service for Davenport and Bettendorf and coordinates connections with Illinois ADA riders through the ADA-paratransit provider for MetroLink. EBC Often refers potential riders to local for-profit transportation providers for this RBT cannot do, i.e. charters.

[Reference 2045 Quad Other Long Range Transportation Plan, Executive Summary and Chapters 1 and 3, http://histotenahim.org/haramostation/mad-chipter-metre-shannand/2012-11-13-20-13-45/stand-chipter-metre-after-lower and-ensembodie-shannand-Roll Parket Development Plan (2015), http://histotenahime.com/haramostation-shan, and A-Ranke Region Transit Development Plan (2015), http://histotenahime.com/haramostation-shan, and A-Ranke Region Transit Development Plan (2015), http://histotenahime.com/haramostation/shan_after.html Development Plan (2015), http://histotenahime.html Development Plan (2015), http://histote support the transportation planning program. Governments over 5,000 in population pay per capita and those below are on a flat rate (Reference Bi-State Regional Commission Budget Plan, FY2016, <u>http://bistateonline.org/sbout-</u>

instanton of the surrent hudget impasse in the State of Illinois, how has it affected how the MPO work is performed or reinbursed?

- work is performed or reambursed? With the reimbursement of the Blinoss FHWA federal share and abdity to each flow the Blinoss matching ocho, mapportation planning work program activities in the Four categories have had little impact. However, requested reimbursements for consultant work from FY2015 received by the State of Blinos after Tably 1 and Antong FY 2016 b-ache have not been reimbursed for Special Planning and Retearch (SFR) funds, as well as rate matching finds. Cambrid go Syntamistics is yet to be reimbursed for the *B-State Region Pengle Flau* (005) work: since end of FY2015. BSRC's special proper related to Barrel model enhancements has not been reimbursed, and the special project Freight Commonly Hanning and Data Enhancement have been put on hold. These are outlined in the FY2017 TPVP, and the funds amount to \$136,646.
- 11. Do you have an approved Indirect Cost Allocation Plan? If so, what is the cognizant federal agency?

Yes, the Economic Development Administration under the Department of Commerce. The Certificate of Indirect Costs in included in the appendix of the TPWP annually.

12. Discuss the contents of the MPO self-certification. How does BSRC track these requirements and the MPO's ability to meet them?

The MPO reff-certification is reviewed annually to coincide with the Transportation improvement Program update. The certification, certificate of compliance, along with the statement of financial capanity and approves are located in Appendix C, pages 15-19 of the *FY2016-2019 Transportation Improvement Program*.

(Reference: P/2016-2019 Transportation Improvement Program, Appendix C, pages 15-19, http://battateonline.org/transportation/audi-tites-metro-adamina/2012-11-13-20-10-34/madcibres-metro-he-transportation-improvement-recogram)

TRANSIT AND HUMAN ENVIRONMENT

13. Please discuss the services provided by the Metro Link Mass Transit District, CitiBus, Bettendorf Transit, and River Bend Transit and any other public/private transit operators in the regim. Please discuss what coordination exists between the transit operators Services provided by the five transit sporten serving the greater metrocolute area are identified

Services provided by the five transit systems serving the greater metropolitan area are identified in the Br-State Region Transit Development Plan (2015) and the 2045 Quad Cliner Long Ranger Transportations Plan (2016). In addition to the three fixed-couts public transit systems and River Bend Transit, the regional transit system serving the low Quad Cline Sock Ident-Meter or County Public Transit (RIM) serves the greater Illinois Quad Clines the cough Project Now. Sance

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14. Discuss the status of passenger rail service in the Ei-State Region

Datases the states of passenger rate service in the 2s state region. The Quad Chest is currently monitoring the status of the rail improvements from Chicago to Quad Chics. Due to the State of Binous budget impairs: the project has been on hold since service initiated by the end of 2016. Director Trombino, LADOT, sent a letter to ILDOT Secretary Binkenhorn in March noting that lowa was actively developing the secretary regimering and everycomment liques for the emminion of service from Quad Chies to lowa Chy. However, the remaining finand in the FFY2010 Tigh-Speed Intervity Parsenger Rail (HSIPR) waved in it adopts to estimate the other secretary constraints and (HSIPR) waved in its adopts to estimate the rest in the remainion of service through CHI DOT to address the Quad Chies to the constraint to Read Chies from Divas Chy unit a materim provision of thur-bus service to connect to the Quad Chies from Divas Chy unit a materim provision of thurbus the connect to the Quad Chies from Divas Chy unit a materim provision of the section with service was minitiated for that segment. The fearability of this offer is under discussion by the DOTs and FEA.

The City of Moine is working on a \$16.6 million rul station in anticipation of passenger rail service, including 510 million in TIGER II funds (2011). MeteoLINE is currently the grantee for the TIGER II funds. The fund are being used to covere the haltors is such ory O'Routhe Building into the transit-critened "Q" Multimodal Station that will serve as a transportation hub for Amsta service and public manit

BSRC staff and an MPO-elected official participate on Iowa Passenger Rail Advisory Committee

Reference: Blinois Parsenger Rall website, http://www.illinoisrail.org/amtrik.illinois/fikingate.to..guad.tmtes/bhoot.the_project/_City of Moline Quad Cities Multimodal Station, http://www.molinc.il.us/index.ams/NED=7100, and MetroLink.thtm://www.amsetcolnik.com/1010Frojects-Blaumage

Discuss strategies in the region designed to improve accessibility for mobility impaired populations through paratransit or other services

both Bettendorf and Davengort cortract with River Bend Transit to provide its ADA-paratransit service. In addition for Bettendorf, River Bend Transit to provide its ADA-paratransit provides door-loor service which will be additional effects and the service (100 at 200 at 200

MetroLDNR currently works with area residential facilities that serve senior and disabled populations to promote its services and improve accessibility. MetroLDNR staff members also regularly attend community events, fairs, etc. relative to accessibility and mobility.

16. Discuss the implementation of the Coordinated Human Services Transportation Plan (HSTP) and how it is coordinated with the overall transportation planning process?

The 2015 Bi-State Region Transit Development Plan (TDP) is the recognized HSTP document for the MPC and the areal known as Region 9 (Motechnie and rural Scott Counter, Iora) and Region 2 (Henry, Meerer, Rock lande and Whiteeth Counters, Illinois). The document identifies funding cources and proposed programming of these finds to implement the policy direction and immegers outlined in the plan. Strategiest focus on the following themes:

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The metropolitan development goals are further supported by transportation performance objectives and strategies. The objectives are as follows and parallel themes originally identified in SAFETEA-LU and furthered in MAP-21 and FAST.

- Support Economic Vitality
- Increase Safety
- · Increase Security
- · Increase Accessibility and Mobility Options
- · Protect and Enhance the Environment
- Enhance Connectivity and Integration between Modes
- Promote Efficient System Management and Operation
- · Emphanize System Preservation

As an update, the objectives were reviewed and refined, as well as the strategies to support them. The strategies can be found in Chapter 1 of the LRTP under each objective. (Reference 2045 Quad Cities Long Range Transportation Plan. Chapter 1

http://fostateonline.org/transportation/quad-cities-metro-planning/2012-11-13-20-19-45/quad-cities-metro-lttp-long-range-transportation-plan)

23. How were the categories of performance measurement selected, and what role will these measures have on the implementation and evaluation of the MTP goals?

measures have on the implementation and evaluation of the MTP goals? The LRTP performance measures coincide with those federally developed in the 2040 Quad Once Long Range Transportation Units, performance indicators were suggested in advance of MAP-21 as possible measures of reliance conditions reliated to transportation. These indicators were environed in Coupler 2 of the 1024 Quad Class Class Range Transportation Films Indicators were reviewed for the feasibility of data collections and tensions. Some variables were consisted were deviced to the tenshibity of data collections and tensions. An addendua to the 2005 LETP is anticipated to address performance measures and targets for the MEO in consultation and cooperation with the Technical and Policy Committees as items are released. BSC (and Mercoll RNR, and 3 Rock Handi city engineer are participaning in the LDOT Performance Measures Advisory Group.

While your region is currently in attainment for all criteria pollutants, describe your efforts to reduce air pollution in reference to reducing air pollutions. Discuss the role of 24. the Air Quality.

The Bi-State Air Quality Task Force was established in 1998 and has since been meeting Les des sonte sur quairy 1 sur perce was ensoinnessis (225 anis na ince term internation regularity to valuantity address ensoinnessis en reductions des destation and outerate. The tark Force began at the MPCO level and has expanded to include the entire loss 650 routes. The Tark Force samisfain in the development of a much lamedia Chena Micro at 650 routes a grant from the Alcos Foundano (2011-173). Make Air Quality Vinkle' mategor plan (2015) to outine efforts to reduce emission, and assisted in the estabilishment of the his State Region Chen Air

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Planning Area Demographic Data	Projection	Base Year 2010 Total	Horizon Year 2025 Total	Herizon Year 2045 Total
Population	High	298,005	319,720	351,154
	Model	298,005	313,438	328,544
	Low	298,005	298,229	298,527
O couple d Housing Units	High	122,360		
	Model	122,360	130,901	136,863
	Low	122,360		
Employment	High	161,988	182,925	206,947
	Model	161,988	175,688	188,358
	1.000	141 999	162,110	162.323

(Reference: 2045 Quad Citizes Long Range Transportation Plan, http://biteationline.org/frammetali.or/ouad-citizes-metro-olanime/2012-11-13-20-19-45/auad-citizes-metro-litu-long-imper-transportation-plan)

Discuss how proposed capacity expansion investments listed in the long range plan were selected and prioritized for inclusion in the plan. 26.

Precedential primitation on metanomic progent for projects. As part of the fiscal constraint process, projects were examined for their correct Federal Functional Classification (FFO) eligibility, and projects with a higher classification were recommended over others. Projects came up through the local juried chaone and information was provided on parement conductors, crashes, and traffic as part of the discussion of priviles. Projects were classified as short term, long-term, unmet needs, or requires additional study.

27. Describe how the revenue forecast for roadway capital projects was developed.

Describe now the revenue corecast for reasonay capital projects was developed. Chapter 7 of the 2045 Quard Close Long Ravge Transportation Flass outlines the revenue forecasts used for road, transit, and trails. A tim-year history of revenue was reviewed by category including condensy-operations and maintenance, studies equipative grammon, manti-operations and maintenance, branit capital, and transportation enhancements. These justification categories were determined for such projects as they were entired into the TE to task how funding is historically allocated in the region. The trendline projects and growth case of 2% compounded annually was applied for the first 10 years (2016-2020) of the plan. A namual growth rate of 4% compounded annually was applied for the outer years (2026-2030) of the plan. The growth rate of 4% compounded annually was applied for the outer years (2026-2030) of the plan. The growth rate of the corresponse is consistent with historical rende, using locally-programmed Surface Transportation (Program (STP) funds.

In keeping with the revenue projections, the period of programmed STP funds from 2006-2015 was examined for historial ternds. During this period, the average annual growth in lowa Quad Orlies STP funds was 390%, and 271F funds were 71 Wohn illinois Quad Chare. Figure 71 of the LKTP demonstrates thereas ternds. In addition to STP trends, rates from peri MPC's were reverved, as well as historical Granes oren the parts of years as induced for each cash leases

In recognition of the current economic climate, a growth rate of 2% for 2016-2025 was used to reflect a conservative approach to revenue in the thort term and 4% in the long term to reflect

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Partmership, a volustary membership of coganizations that have pledged to reduce emissions. The later was funded by an Jowa Clean Air Attanencet Frogram (ICAAP) Grant. Subsequent ICAAP applications for traffic analysis and safety education (2014) and bicycle and podestraina promotion (2015) were unsuccessful. The 2011 ICAAP application can do sward fundeding part the Household Travel Survey (2014). The study results were used in the travel demand model and provide information in the event that area would be classified as non-statement for are quality modeling. The MPO community to maintain the <u>www.actionati.org</u> website as part of pro-referst to promote inglie-occupant weblic alternative. This website acts as a portal to the various area transit systems as one unique URL.

(Reference: Bi-State Clean Air Partnership, <u>http://bistatecoline.org/2012-11-14-00-30-56/2013-</u> 04-11-14-50-400a-state-region-clean-air-sortnership)

Describe your projected travel demand determined for the draft Metropolitan Transportation Plan. Discuss the demographic, socio-economic, land use, and/or travel demand forecasting that were utilized for development of the future scenario? 25.

Travel demand is expected to increase. A map will be provided as part of the meeting, and it is being finalized as part of the LRTP development.

being finalized as part of the LRTP development. Chapter 1 of the LRTP descenbes the population projection methodology briefly under "Where We are Going 10545." It is projected that the MPA population will grow from 295,005 to approximately 302,544 of 10 2% by 2045. See Figure 119 and 120fer more detail. Freiertens were developed to frame the local community land development projections. The "Mot" projection is based on estimated land-based development in the MPA between 2010 and 2045. The "Mot" projections: Wave used as part of the travel demand modeling process to predict future provide the therms the local community land development in the MPA the projection is based on estimated land-based development in the MPA the Mot" projections: Wave used as part of the travel demand modeling process to predict future they in the MPA. The lower thermed-dopoulation future was based on a historical dhange in growth from 1990-2010 on the fastest growing county within the MPA of 17265. The low of the trave the base youth from 1990-2010 on the fastest growing county within the MPA of 17265. The low of house there were hard as a population to englopilment at a population to demajorment from 2902.0010 on the fastest growing county within the MPA of 17265. The low of house there were hard as a population to englopilment at and entryed from a hind-party provider of projections, Wood & Poole, and represented a 20 0204 change between 2010 and 2045.

LRTP Appendix B (final document, attached at the end of this questionnaire) rummarizes the population and employment cape used to constrain the local land-based development projections that were used in the travel dimanniformed off. The land-based projection wave divised from local community staff input on future development of housing areas and business development in their respective communities or in the usincoporated areas. Pull details are part of a separate technical report documenting the travel demand model development. nt in their

The following Table 3.11 from the LRTP illustrates the high and low benchmarks and the projection used in the model based on community land use input for growth of readential commercial development

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historical trends and economic recovery. Considering the current and future states of the economy, the Transportation Policy Committee and both the Illinois and Iowa Departments of Transportation agreed with the revenue forecarting methodologies and projections.

(Reference 2045 Quad Cities Long Range Transportation Flan, Chapter 7, http://battatecoline.org/transportation/cities/met/co-citaning/2012-11-13-20-19-45/quast-cities/met/o-long-range-transportation-rdam)

The financial summary from the LRTP, Table 7.2 is provided below

Transportation Revenue Resources		Federal, State, and Local (\$1,000)		
Transpor	tation Revenue Resources	2416-2025	2020-2045	2016-2045
Roadway	Operations & Maintenance	\$443,309	\$1,498,424	\$1,941,733
and a new all	Expansion	\$78,180	\$258,045	\$336,225
Subtotal Roadwa	r	\$521,489	\$1,756,469	\$2,277,958
Trensk	Operations & Maintenance	\$274,717	\$920,560	\$1,203,205
I ners R	Capital	\$119,046	\$400,030	\$519,076
Subrotal Transit		\$393,763	\$1,328,598	\$1,722,36
Enhancements	Enhancements	\$27,922	\$94.378	\$122,300
Subtot al Enhance	ments	\$17,922	\$94,378	\$122,300
Total Forecaster	Transportation Revenue Resources	\$943,174	\$3,179,446	\$4,122,619
			, State, and Local	
Tra	uportation Expenses	2016-2025	2026-2045	2016-2045
Roadway	Operations & Maintenance	\$443,309	\$1,498,424	\$1,941,733
Roadway	Expension	\$94,106	\$191,227	\$275,333
Subtotal Roadwa	y	\$525,506	\$1,752,477	\$2,277,983
-	Operations & Maintenance	\$274,717	\$928,568	\$1,203,285
Transe	Capital	\$119,046	\$400.030	\$519,076
Subtotal Transit		\$393,763	\$1,328,598	\$1,722,361
Enhancements	Enhancements	\$28,422	\$36,427	\$64,049
Subtot al Enhance	ments	\$28,422	\$36,427	564,849
Total Forecasted	Transportation Expenses	\$947,691	\$3,117,502	\$4,045,193
	nancial Differences	Federa	l, State, and Local	(\$1,000)
	nametal printer ences.	2016-2025	2026-2045	2016-2045
Roadways		-\$5,926	\$66,818	\$60/892
Transit		\$0	\$0	\$0
Enhancements		-\$500	\$\$7,951	\$57,451



Explain how the implementing agencies provide estimates for roadway capital projects identified in in the long range plan? Is it done in a consistent manner? How are the unit costs derived for maintenance projects? How are the inflation factors considered for both capital and maintenance projects? 28.

capital anit mantemance projects? To initiate potential ready and the projects, a request was sent to local and state jurit d choins asking them to review projects in the prior plane. If the prior plane is the pla

the micromation. Based on historic trends determined through review of Triansportation Improvement Program, the percentage of funding spent on manitenance activities for readways and transit activities was determined. In regard to readways, approximately 63% of revenues were spent on manitenance activities over the part 10 fixed years for project bited in the Transportation Improvement Program. This 10-year period saw a number of expansion projects (e.g. new construction on Tanglefoot Lane In Stettander and the widening of Extern Avenue to Daveport). In keeping with the trend toward system preservation, it was determined that 63% of the future revenues binded be diocated to maintenance. (More: This percentage was a compilation of all entities bited in the Transportation Improvement Program.)

Individual entities may spend a higher or lower percentage on their maintenance. Examples of major maintenance projects that are projected to be completed within the innefrance of the plan include the three Massiango River unterstate (74, 50, and 250) bridge painting projects, several hodge replacements are avide, interstate patching and resurfacing in the Iowa and Illinois Quad Cities, and bridge deck rehabilitation on 1-280.

(Reference: 2045 Quad Cities Long Range Transportation Plan, Ch. 012-11-13-20-19-45/quad-

29. Discuss the financial plan for public transportation including the development of revenue projections and estimates of operations, maintenance, and capital costs This is noted in Question 27.

What consideration was given to identifying illustrative projects that could not be fiscally 30. onstrained?

The 2045 Quad Clites Long Kange Transportation Flae referenced these types of projects in Chapter 7. There were two levels of projects that did not achieve status in the fiscally-constrained portion of the plan. There were a number of projects that were the densel for cosposity expansions or enhancements and were dermined "unimet needs," as costs and project concepts were known of thinker subdy was unscenzeraly. These projects that we testion in the LixTer planning them is the status of the plan. There were a subscription of the status of the planting them is the status of the planting that we testing the status of the

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improvements in Central America are expected to have effects on global traffic that may produce modal shifts in the region. The unreliability of the Upper Misri suppi River System may hamper efforts to shift freight to water, unless investments occur to improve the lock system to reduce river congestion

In the comparison. On the commodities inde, cereal grains, and gravel were identified as the largest share by tonnage of inbound and southoard maternals being shipped from the Bi-State Region. The 2007 RAP data indexed that cereal grains amounted to 2806 of the total major freight commodities is and gravel represented 184%. These two commodities are predicted to remain the top two cosmodities by wough through 2000, as shown in Figure 6.5. This points to be internals of the Bi-State Region 's agricultural and natural resource base. The Could Gittes and surrounding area supports Tood groutics must consult on with three materials.

2045 LRTP Figure 6.5 - Major Freight Commodities by Total Tonnage, 2040



Source: &-Suze Region Freight Plan (2015), Paraona Brinkerhoff analysis of disaggregated FAF2.2 2007 Looking at the value of commodities thipped in the Bi-Shate Region, fertilizers and mathinery represent 12% and 5% of the total thipments by value in 2007, based on the FAF data from the SA-Shate Region Pengle Fake (2015). In 2040, mathemet represent 15%, and elemenical products represent 11% of the total shipments by value. Figure 6.6. shows major freight commodites to you due for 2040.

2045 LRTP Figure 6.6 - Major Freight Commodities by Value, 2040



Source: B-State Region Freight Plan (2015), Persona Brinkerhoff enabols of dooggregated FAF2.2.2007

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process, and if funds were to become available, they would be more easily amended into the LRTP. The second level of projects are considered conceptual in nature and would require detailed analysis for fausibility, alignment, and cost enumber. If they are more fully studied and determined to be feasible, they may be considered in a subsequent would be more fully studied and determined to be feasible, they

How are the state DOT projects identified in the MIP? 31.

State roadway network priorities were provided in Table 7.4, Chapter 7 of the 2045 Quad Ottee Long Range Transportation Flan. They were modeled and shown as part of the cipacity analysis in Chapter's Throng Roads, in Maps 315–325. Negets were either provided by the respective Department of Transportation or denired by a local jurisdiction and received consurrence from the respective departments to be shown in the plan.

32. Does the MIP address new technologies that may have direct impacts on the transportation sector (EVs, V2V, etc.)?

transport takan Sector (E-5, y z + , etc.): Wave telonologies were touched on a discussions of the Latelligent Transportation System (ITS) deployment, but no specific technologies were called out. There are a few electric vehicle charging rations are deployed in the Quad Gines. For example, here are two to created at the Quad Ghes International Aurgoor. These technologies and alternative fluids have been part of discussions with the Quad Gines. If or example, here are two located at the Quad Gines International Aurgoor. These technologies and alternative fluids have been part of discussions with the Quad Gines. For examinizing, solution literic and advocasy groups is looking for partners to deploy a black-naming system within the Quad Cines. In anticipation of the 174 Mainsingsity inver Consider resonatives dan polytics, there have been early discussions on options to deploy smart technologies to reduce and manage congerts on.

FREIGHT

33. Briefly discuss the freight assets and capabilities of the Bi-State Region

Bridly discuss the freight assets and capabilities of the BF-State Region. The MPO completed the Bi-Law Region Freight Plaw (2015) and had a freight commodity tool developed as part of the consultant work. The Quad Chee is revered by all modes of freight transportation – free Massissippi River and free Rock River roadway bridges, two railcoads Mississippi River corosings, four interrates, four D 5 and 10 tata bightways, there railcoads (Class I & D), two locks and dums, and two signots (commercial and general awarstoo), along with a number of specifies. The Clay of Davenport completed arall extensions to the Eastern Lowa Industrial Center for the operation of a trans-load facility and within the region. The Clay of Muscaine plants to study the fractionality of a containerized intermedial facility along its nverfront with rail, niver, and highway access.

The St-State Region Peright Plane (2015) provided data on commodity flow profiles for the region by mode and direction. While the Quad Cities represents all modes of freight transportation, trucking in the dominant mode and represents 37% indexed and 77% outboard share by tomage and the majority by value based on 2007 Freight Analysis Framework (PAF) data. Pred-tomore for 2004 indicates trucking will continue to dominate the mode these, unless improvements can be made to other modes or if conditions, such as higher fuel proces drive dominents to mode, such as rail and water transportation. As noted in the Softman 2016 State Region Penetic Plane (2015), international Softman 2016 State Press, and State Region Penetic Plane (2015), international and the Softman Penetic Plane (2015), international softman 2016 State Plane (2016), international softman 2016 State Plane (2015), international softman 2016 State Plane (2016), international softman 2016 State Plane (2016

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34. Discuss the major findings of the recent Regional Freight Study completed in 2015 and what influence it may have on the direction of your transportation planning process.

what influence it may have on the direction of your transportation planning process. The B-Shate Region Foreign Flaw (2015) identified capacity projects, operational -technology applications, policy changes, proteinthys, and flowing recommendations. A short-term instative war to develop if right forum or partnerstip. Mid-andlong term effects were the family studies and project design/construction. A number of road projects contained in the TP or LSTT will address bottlenecks and insidents on highways. The lows Department of Transportation in advance the arguing construction. A number of road project contained in the TP or LSTT will address bottlenecks and insidents on highways. The lows Department of transportation in advance the arguing the model of the state of the state interpret of the state interpret of the state interpret of the state interpret of the state interpret of the state interpret of the state interpret of the state of the derivative state of the rest of the state of the state

PUBLIC PARTICIPATION AND TITILE VI OF THE CIVIL RIGHTS ACT

What opportunities are provided for public participation at key decision points in the planning, programming, and project development phases of transportation decision making? Have the public participation activities influenced transportation investment decisions and policies?

An extensive LRTP engagement process is nummarized in Appendix A of the 2045 Quad Chaer Long Range Transportations Plan. This included constrained and the 2045 Quad Chaer Long Range Transportations Plan. This included constrained and Policy Committee meetings, population and employment projections, and capacity project at Policy Committee meetings, Public hearing formation and Sont apage deducated to public participation information and the Polic participation planning has a page deducated to public participation information and the Polic Participation Process is included in the key transportation documents produced for the MFO.

(Reference http://bistateonline.org/transportation/public-participation) 36. Discuss efforts to make BSRC information and documents available in electronically

Documents are posted to the BSRC website on the World Wide Web 24/7, referenced on the topical page, and posted under documents. This includes the 2045 Quad Chan Long Range Transportation Bran. B-State Regional Intelling with Transportation System (TTS Architecture Ran (2015), Bi-State Region Transit Development Flare (2015), Title VT. Program and Non-Discrementation Folicy for Bi-State Regional Commission (2015), Bi-State Region Freighel Ha (2015), Tational Regional Commission (2015), Bi-State Region Freighel Ha (2015), Tational State Regional Document Flam, Transportation Statement By Work Program, Poblic



Participation Process (PPP), Surface Transportation Program (STP) Evaluation Manual, Transportation Alternative Program (TAP) Evaluation Manual, and Household Travel Survey Summary, Meeting agendia and annuets are posted for 51-Salte Regional Committion (GSRC), Transportation Policy and Technical Committee, Bi-Salte Regional Trails Committee, Bi-State Region Air Quality Tark Force, and Drug and Alcohol Consortium. Media releases and meeting notices are start electroancelly to local media.

What visualization techniques have been used to aid the public in understanding the MTP, TIP, and supporting studies? 37.

Visualization tools are refected as appropriate for the information. Dirplays and a looped shide presentation were used at the LRTP public information meetings. Maps were used to accept comments using micky dust. A public engagement tool. MindMater ware used to accept initial comments on transportation and economic issues, using nurveys, polling, mapping puth-puis, and written comments. Grapha, bulke, dagames, photos, and maps are used in more plan documents. Guided discussions on placements with common transportation icons were used diving the LRTP input. Interactive maps using GIW were used in discussions with the Technical Committee on the LRTP modeling and projects development.

38. How is public participation evaluated-internally and externally? What is considered 'successful" public participation?

"successful" public participation? Various definitions for public engagement point to a broad spectrum of two-way communication, requiring literating and discursion to generate a musual benefit. This communications is accessed by quanty, quality, and afformed and actionable diverse input. As the predime for project development, the LTP public involvement summary outline this outset. Using the environment of the second forwards to project programming and finally to construction. There are subset of second provide the directory and second second second second second second processes and the second second second second second second second regional, and local processes. From the perspective of techniques used internally that works or expective aspects of this way the costal actions using the federal inter-tent second processes. From the perspective of techniques used internally that works or expective aspects of this way the costal actions using the second second second technique second second second second second second second second sections or balance for further meetings, talk posted little way that discussed second second second second second second business: consections utilized to encourage attendance. However, as with discussed second second second second second second meetings, but still had little distributions are set than carreys and obling engagement. The broad spectrum and collective informed input seems to be the tot Ty bolin information allow meeting, but still had little distributions are still be aspect and obling engagement. The broad spectrum and collective informed input seems to be the most effective strategy to public suggement.

What strategies and efforts have been employed throughout the planni ensuring, demonstrating, and substantiating compliance with Title VI? 39. nning process for

The TPWP outlines the federal requirements related to Title VI_BSRC adopted an Affirm aive Action Analysis and Han that is updated annually. The agency incorporates this in its hiring practices, committee aniguments where possible, and career outwach opportunities Additionally, accommodation is noted in the PPP. Meeting locations are selected to be

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standardz. Meline adopted an ADA transition plan a couple of years ago. It addresses how Moline plans to privence addressing their non-ADA compliant locations and work towards becoming ADA compliant in the fluture. Moline addressing superficiely for replacing non-ADA compliant ramps at interestions. In Stivis, they are required to make ADA improvements to idevalks adjoining streets that undergo major replace or replacement. Scott Coupt has a plan in place.

TRANSPORTATION SYSTEMS MANAGEMENT

How were management and operational considerations incorporated into the development of the metropolitan transportation plan? What data or performance measurement will engage system operators in the implementation of the MIP? 43.

Operations and management was decoursed in various chapters of the LRTP. In Chapter 3 on roodways, it was decuated in relation to deployment as part of the regional ITS architecture, as well as traffic moments and onegation. In the LRTP and 3: State Region Preight Plan (2015), operational efficiencies for the freight network are discussed.

. How does the regim measure congestion? What types of data are being collected and/or modelef for the Congestion Management Process (CMP)? Discribe how the data is used to measure transportation system performance, identify the locations and causes of congestion, develop and evaluate alternatives, and prioritize solutions. 44.

ESRC performs semi-annual travel time surveys of the most heavily trafficiend corridors. These conflors are determined through input from the Tramportation Technical Committee. The travel time surveys determine how the survey vehicle's speed compare to posted peed limits. Additional data being collected for the CMP include vehicle's speed compare to posted peed limits and trainst retrieve data with an end of the CMP include vehicle's speed of a service information, vehicle miles traveled, non-recuming delay due to crathes and accidents, and trainst retrieve data. WC and cradit data were used to guide the decision making process in prioritizing expansion projects in the MTP.

The region's Surface Transportation Program project selection process prioritizes submissions based on V/C, muffix volume, crash data, and physical conditions, and giver special consideration to air quality, designated truck/bus routes, connectivity, and proximity to employment centers, all of which the back to the CMP.

Has the CMP been utilized in the Bi-State Region for implementing improvements to demand management, system operations, transit, and/or IT S? Implementation of improvements are affected indirectly through the STP process as noted in Quention 43. The CMP has also set a number of goals including the expansion of transit servi and other alternative modes. It also emphanzies objectives, such as increasing the number of synchronized condexes and increased use of ITS systems.

What procedures connect the CMP results to the metropolitan planning process (TPWP and TIP development)? How does Bi-State envision the CMP affecting planning and investment decisions in the future? 46.

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convenient and accessible with an emphasis toward where minonity, low-income, and LEP populations are ensuraged to attend. This includes consideration of time of day and access to ubolic twantia statishity. During the LEPT engagement process, avoidnatry relifying at form michigh demographics was used to help substantiate perturbation. Representatives from the low-lineous help-mediated michight content attend Technical and Policy Committee meetings. BSRC has received no Title VI complaints.

What an alytical processes are utilized to examine the benefits and burdens of transportation investments across all socio-economic groups? 40.

GIS mapping and analysis have been used to examine potential benefits and burdens based on proposed transportanion invertiments as part of the STP evaluation process. TIP development, at LRP. These are high-level analysis to consider general populations in the visinity of these project: Appendix C of the LRTP outlines that analysis: Mapp 31-33 on pager IL-3, IL-12, and IL-13 of the P27010-2010 "Prognormation Improvement Programs error as early notification of potential environmental and social effects within the metro area. As projects move from programming to project development, there maps can be used to further define benefits and burdens for the selected projects. pen ent, and

(Reference: PY2016-2019 Transportation Inprovement Program, http://doi.ute.online.org/transportation/auad-athes-metro-planning/2012-11-13-20-10-34/auad-

Discuss how the planning process has demonstrated sensitivity to the unique transportation needs of the elderly and disabled. 41

needs of the elderly and disabled. The medium age in the MTA is 36.4 years, higher thus the U.S. (37.1), Binoise (36.5), and Lown. (38.0) medium ages. Of urbonized area petra, only Hontington-Achiland, WV-KY-OH har a higher medium ages (34.0, 2 years). The key to providing access is recognizing mobility meeds as one population ages. The TDF and ILKT examine accessibility to review by populations of need. LRTP Rdg 1.9 Binotates: the location of medical provider, regional service centers, and ocid service centers compared to the density of population such are article. have durable were compared to the density of population such are article, have durable vertices may have grader transmittation need via spatiager transportation, dimed you be provided as a strategies that any estimation, fixed-forces, parameters, or regional transmit donable a fixed-oroute service area. In Chapter 2 of the LRTP, Table 2.1 Hiluments the percent change projected between 2015 and 2015 yr age-group. Cohord: T5 years and date mill see a 100% change or greater during the next 30 years: Gefference. 2015 (and Chau Change. Amere Transmissionic) Flux Chapter 1 and 2. (Reference: 2045 Quad Cities Long Range Transportation Plan Chapters 1 and 2, http://bostateonline.org/transportation/auad-cities-metro-planning/2012-11-13-20-19-45/quadities-metro-frtp-long-range-transportation-plan)

42. Do MPO member agencies have ADA Transition Plans that address accessibility improvements for public rights of way?

Yes. Many of our larger governments are confirmed to have transition plans. The following are noted examples. In 2004, the City of Davenport entered into an agreement with the Department of Junce, creating a transition plans to form 4201 for allow on into compliance with ADA requirements. This is in addition to constructing all new facilities in compliance with ADA

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The region's Surface Transportation Program (STP) project selection process prioritizes submissions bared on considerations outlined in the CMP as outline in Question 43.

Discuss the status of the region's Intelligent Transportation System (ITS) Architecture. Has the Architecture been useful in guiding investment decisions and/or fostering integration and interoperability? 47

integrations and interoperations? The firstline Regional Intelliguest Transportation Syntem (TES) Architecture Plan was updated in 2013. The dashater – Turbo Architecture – has been updated with changes as part of the I-74 Missianppi River Cention, which is the backbone of the MPA's technology deployment. The document provide an overall framework and it retrieved annually with a joint forwabilitoris traffic affect group meeting. Technology deployment to manage traffic will be entical when I-74 Arconstruction of the central actions is underway. ILDO'T and the ESRC staff have been looking for opportunities to fund such an effort and try newer technologies.

48. Has BSRC been engaged in emergency relief and disaster preparedness planning? Yes, a number of these efforts were itemized under Quention 13. BSRC assisted in the preparation of the Scont County, *lowa Multi-Avandactomal Haward Matgation Plane* (2012) and it sets to work with the county on an update. Assistance is currently underway to finalize the *Back Usdat County Multi-Journationauil Houried Matgation Plane* Update. BSRC mat have also prepared an reasonation plan for Scont County and another for the Illinois Bi-State Region including Rock Island, Henry, and Morree Country and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Illinois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Binois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Binois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Binois Bi-State Region including. Rock Island, Henry, and Morree County and another for the Binois Bi-State Region including. Rock Island, Henry, and Morree County and Biotec Binois Another State Region including. Rock Island, Henry, and Biotec Binois Another Binois Biotec Binois Another Binois Binois Another Binois Binois Another Binois Another Binois Another Binois

BSRC staff participate in the Rock Island County Local Emergency Planning Committee, Boured on hazardour chemical split/materials, the Quad Chiter Emergency Planning Committee, LADOT 1-80 has dem Management Division Routing meetings; Scott County Group, DSRC + Executive Director serves on the Red Orest David BSRC provides staff training in CPRARD and first and for interested staff members. A few and Tar 101 Level National Incident Management System (NIMS) trained. Staff is also working towards flow manager certification. ards floodel ain manager certifications

49. Does BSRC currently have a Continuity of Operations Plan? The development of a Continuity of Operations Plan is underway and anticipated to be completed for review in spring 2016.

PROGRAM DEVELOPMENT

50. Which performance measures identified throughout the BSRC planning process are most likely to all est project solection or prioritization? What other factors typically direct the selection or timing of transportation investments? The current STP evaluation process examines level of service, safety and physical co These broad groups align with the national performance measures. See the following



Category	Criteria	Maximum Points	
I. Level of Service	Existing Yolume/Capacity Ratio 10-Year Projected Traffic Yolume Traffic Congestion Reduction	50 50 50	
2, Safety	Total Number of Accidents Accident Sevenky Accident Rate	90 50 50	
3. Physical Condition	Surface Type, Facility Condition, Existing Volume, 10- Year Projected Volume, Number of Lanes	150	
4 Special Consideration	Air Quality Truck/Business Route Conmectarity Employment Center	0-2% 1% 1%	

The special considerations also align with the national measures related to freight, system reliability, and environmental autanability. The STP and TAP revaluation manuals are amicipated to be reviewed with the parages of the FAST At at and completion of the LRTP update. Factors outside of the process that affect the stetetion are geographic distribution of the projects and ability to mark the feeleral datase, which can affect timing. Information is also provided related to environmental justice to supplement the decision-making.

(Reference: STP and TAP evaluation manuals are available online at <u>http://bratteronline.org/temproctate/org/avail-(theremetr-colamning/2012-11-13-20-10-24/brorestprogramming-referencess</u>. This page also discusses FTA Designated Recipient funds and suballocation of 5307, 5310 and 5339 funds).

51. How are asset management principles utilized (either formally or informally) throughout the region? What role does BSRC play in implementing region al asset management strategies-leader ship, data support, performance monitoring, other?

ESRC staff have facilitated discussions on local parenteet conditions data for the Illinois Quad Cliest and spoken with LDOT related to potential partnering. In the Jowa Quad Clies, data parentent conditions is collected through the IADOT in a systematic process for state and local facilities

There have been some discussions on pavement useful life, state of good repair for bus and bus replacement, and bridge sufficiency.

52. Does BSRC and its member agencies provide meaningful input into the programming decisions of the State DOT 's?

Beginning with the LRTP development, there are conversitions about fiscally-constrained needs and projects requiring further study. BSRC and its members, as well as transit and chamber advocates, meet regularly on the site's highers provinter, both formally, such as meetings or legislative tips, or informally with advisory meetings or inquiries on status. These groups also participate in special TP meetings, it had, and project development meeting over

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Technical Committee for recommendation by the Policy Committee. The Policy Committee makes final approvals based on the recommendation and review of geographic distribution, funding availability, and environmental justice information.

The TAP Evolution Manual is noted in Question S0 such a link to the webpage. Programmed projects are identified in the TIP Table 2.6, and the funding balances are noted in Table 2.5. There tables noted when the near round is anticipated. ELDOIT requested that projects be funded not less than S0% maching share. There may need to be review of project concepts by DOTs prior to programming. Consideration of raunag the minimum threshold of total project cost of \$100,000 may be considered in future round.

56. Discuss BSRC's procedures to program sub-allocated Surface Transportation Program -Urban funds.

The STP Evaluation Manual is noted in Queiton 50 with a link to the webpage. Programmed projects are identified in the TIP Table 24 (includer CY projects were programmed and Annual Element Yea) and the finding balances noted in Table 22 and 23. The late tables note when the next round is anticipated. STP rounds have occurred in CY2011, 2013, and 2014. In the last round, funds were programmed through 2019 (Jowa Quad Chee) and 2020 (Illinois Quad Chee). Othern as noted above in Question 50.

The process is initiated with a call for projects that is sent to the Technical Committee and communities within the metre area. The correspondence is also carbon-copied to the Regional Transportation Advisory Group with the following statement as part of the public notification of the round.

"Sulf encourages other persons receiving a carbon copy of this notice to work with their respective local governments on potential candidate projects. STP funds can be used for any mode of surface transportation -- notwary, trans, prederima or b cycled families. Under MAP-21, there eligibilities remain. The STP funds are required to be matched with at least 20 percent non-federal funds. Projects must have a total project cost no less than \$100,000, at the federalaid process requires costing deals administration on the part of the project sponts"

Juris'd chons are given a deadine for submittals based on the STP Evaluation Manual. The steps in this manual are used to receiver, process, and rank projects. Rankings are remeved by the Technical Committee for recommendation by the Folky Committee. The Folky Committee maker final approval based on the recommendation and renew of geographic distribution, funding availability, and environmental justice and commission.

57. To what extent do transit operators, state DOTs, and local governments provide accurate information concerning projects and anticipated financial resources in a timely format during the TIP development process?

On the whole, information is tunnly and provided in a requested format. Some follow-up is done to either acquire the information or get claffications. Initial requests for information for the TIP development occur in March/April Imeframe. The TIP development process is taken to the Technical and Policy Committees in June.

- 53. Does ISRC coordinate any efforts concerning local agency applications to the Highway Safety Improvement Program or other programs administered through IDDT? Whale BSRC staff provide information on the availability of funds, a coordination of applications
- 54. Is the MPO notified or consulted by member agencies of applications for TIGER or other discretionary Federal funding?

BSRC has been contacted on requests for letters of support or concurrence as part of TIGER applications in the part. MReroLINE is the most recent request for electric buses in the upcoming round. These letters trypically reference the project's relations or consistency with the LRTP and the regional Comprehensive Economic Development Strategy (CEDS) goale. BSRC affi inquira basic applications that might be hubbaneed by the DOT for the 17-34 reconstruction project and provided a similar letter for a recent FASTLane project rubbanismon.

55. Discuss the process and results of the programming of FY13 and FY 14 TAP funds. Did this process meet MPO expectations and are any adjustments being considered for potential future rounds?

patential future rounds? In July 2013, En State Regional Commission (BSEC) requested inhumitals of candidate projects for the Qual Otice Transportation Alternatives Program funds from the orbinized communities for the Qual Otice Transportation Alternatives Program Oudd from the orbinized communities and S72 (2016). The Patents for the Illinos Orad Otice and Son through PY 2017. The interaction Alternatives Program (TAF) funds for the Ionus Quad Otices the organ PY 2017. and S723 (2016). The Patents for the Illinos Orad Otice and so through PY 2017. The charmer was based on the estimated targets through PY 2017. The charm is the orbit of the Ionus project from each state was received. The Rivertails multi-purpose trail as a part of the Missingus River Tail was awarded S318,644 in TAF and parts of the S100,000 total project cost, has been completed. Other funds supplemented the projects. The Rock Island Safe Routes to Schools project with ADA cut of maps and a specifier in hybrid corosing beacon was awarded \$40,737 in TAP of a \$573,2276 total project cost. To date, it appears the funds will be returned.

SM/J27 in TAP of a S753/276 total project cost. To date, it appears the fund will be returned. In April 2014, Bi-State Regional Commission (DSRC) requested submittals of condidate projects for the Quad Chiese Transportation Alternatives Program funds from the urbanized communities of the Quad Chiese Transportation Alternatives Program funds from the urbanized communities of the Quad Chiese Transportation Alternatives Program funds from the urbanized communities of the Quad Chiese metropolitan planning area. It was estimated that there was \$1,441,370 in Transportation & Mitematives Program (TAP) funds for the Ioom Quad Chiese also through FY 2017. and \$458,359 in TAP funds for the Illinoux Quad Chiese also through FY 2017. This estimate was based on the target through FY 2017. Federal flow are ubject to autoincation of the TAP program under MAP-21 and six continuation beyond FY 2015. Three projects, were received in Indue down Quad Chiese. All projects ware ranked and aware de funds. Projects included two predestinary/idewidk projects (Salvis FFY 15 and Port Byron FFY 15), two MKT extensions (Buillos FFY 16 and Mitor FFY 16) and Dorts prove FFY 15), two MKT evelopient enscript for the Moline MKT reatmon and Daveroport FFY 16). The stored project project that were waiting to determine if funds would be subdenized in FAST.

Jurisdictions are given a deadline for submittals based on the STP Evaluation Manual. The steps in this manual are used to receive, process, and rank projects. Rankings are reviewed by the

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58. When developing the TIP, how is fiscal constraint determined? What is the threshold for scope or funding changes to trigger an amendment for an existing project in the TIP?

Local fiscal contraints tracked in the TIP for STP (Tables 2.2 and 2.3) and TAP (Table 2.5), find that are under the NPO programming responsibilities. Funding walkable for FTA 5300, 5310 and 5339 are noted at well as references to bridge programs and operations and maintenance. The Revisions are couldness in HTP, page 14, specifying the difference between an amendment and administrative modification.

all attendiments and manufactures into an annument interaction. An amendment is a major environment to the TBP that requires approval by the Policy Committee. In most cases, amendments are brought before the Technical Committee for recommendation of approval as well. Federally-funded projects that are added or dieted from the TDP constitute an amendment. In addition, changes to one sing TDP rejects are conducted amendments when the amount of federal add is being revised by 30% or more than \$2,000,000, when there is a major change up rojects coope, when a project listed on TDP Table 4.1 or 4.2 is awarded federal funds, or when an additional federal funding source is added to a project.

(Reference FY2016-2019 Transportation Improvement Program, http://bastateonline.org/transportation/cassi-cities-metro-ofanons/2012-11-13-20-10-24/cassicities-metro-ba-transportation-improvement-program)

59. Do TIP Amendments receive public notifications and opportunity for Public involvement? Are all TIP amendments included on the ISRC website?

Requests for TT amendments are noted on the Transportation Policy Committee agenda for comideration, and a copy of the TTP amendment is either listed on the agenda or attached and sent to the Regional Transportation Advisory Toorigo. If amendment are transit related, they will also be sent to the Regional Transit Interest and Advisory Group, as well as the media. Agendas are sent above, our well, is advisory Group, as well as the media. Agendas are sent above, our well, is advisory Group, as well as the media. Agendas (ink noted in Requested Documents below).

0. Discuss the process for producing the annual Federal Listing of Obligated Projects. What visualization techniques are utilized? Is this publication helpful in transmitting information to implementers or the general public?

information to implementers or the general public? The TD includes a rature of the current FV Annual Elements identifying project status and/or whether the project has thifted to another program yaw. In Binois, BSEC staff work with FWWALL Downson and LDOT on a summary hinge of obligated properts. A general TDP information summary was created to provide notice on the TDP development and public hearing associated with the TDP. It is individed on the BSEC whether, A project projects reports is discussed each. Technical Committee meeting and an updated version is posted to the website.

TRAVEL DEMAND ANALYSIS

61. Provide a brief overview of the status of the BSRC travel demand model The roftware used is TransCAD. The model is validated and calibrated within Federal Highway Administration randouch. It is based on Usad Chite Household Travel Survey data and uses a

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variety of data sources for model input, including Census, Reference USA InfoCoup employment data, athool district, Departments of Transportation centerline and AADT data, and local zorores for nativesk coafirmations. Through the use of consultant assistance, terriping, time-of-daplyne, hour, and the parentaion within the TransCAD software were improved daded. Additionally under another contract, noice-economic data and network improvements were made, trup generation for non-residential users are resulted, and screpture and Cluder this contract, a fully-validated/calibraned model was achieved. Through this process, the MPO has reserved additional resonmentations for model improvement, including the following baseline improvements or advancements to the modeling efforts:

- Concentration on employment data accuracy
- · More detail on trip generation procedures
- Better representation of travel time and capacity effects at signalized intersections
- Enhanced trip distribution procedures
- · Improved mode share estimates
- Better highway assignment algorithms
- · Improved reporting and mapping functionality.

BSRC staff are working cooperatively with LADOT modeling staff toward the use of the ISMS to aid standardization of the model development process

62. How does BSRC come to consensus on regional population and employment growth scenarios? Are external technical reviewers typically engaged in developing planning assumptions for travel dem and modeling?

Refer to Question 25 on socio-economic data development for the model. The Technici Committee reviews the assumptions and is engaged in developing the land-use based pr for the travel demand model. No other outside source is consultant for a review ojections

To what extent are BSRC modeling results for regionally significant projects utilized by implementing agencies in project development and environmental review processes? 63.

The results are used as a starting point in larger, regionally-significant project. As an encaptle, the results of the 2040 model were used in the initial analysis and part of the interchange junification process for the 1-2006 diddle Road reconstructions project. The model has been used in the analysis of changing one-way couples on U.S. 61 for Brady and Harrison Streets in Diversport. Addisculty, request for projection information by area (Traffic Analysis Zone) have been used related to development requests (Bettendorf) and school distinct plannang (Davenport).

64. Does ESRC prepare model runs for purposes outside the MPO structure and if so, is there a formal policy for sharing these files?

Yes. We have a formal digital data release policy.

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Recommendations Actions Summary

- Agency Cuoperation MPO has striven to work cooperatively with coordinating agencies toward collaborative goals. Examples: 1-74 reconstruction implementation, regional freight plan, tareel demaid model development
- 2 Travel Demand Model Completed Quad Cities Household Travel Survey (2014) and utilized I rave Lominant vaniet - Completes gasa Unite Household I Tolev and (U) and utilize consultant experime to devel op im nask and provide model enhancements, including growtiding full magnaton of model to Transr.CAD, inte-of-day & peak-hour capabilities, and annutance on model calibrational dateon on 2000 model (2013). Teld 2015 DOT & FIRWA meeting 2005 travel demand model to meet LRTP detailine (2015). Held 2015 DOT & FIRWA meeting an LRTP and model timeliner. Explaint attendance and MTMUG and LL Modelsen Users Group. Attended Household Travel Survey (2013) and TRB conferences 2014 & 2015.
- Long Range Plan Held plan development meetings with DOTs and FHWA 4/2013, 12/2013 and 1/2015. Shared plan and model development timelines throughout process. Plan adopted March 23, 2016 on time.
- 4. Motro Area Boundary Resolved mapping issues
- ¹⁰ And/O Area Dominosity ¹ Accounted inappling locks² 5. Interested Parties, Participation and Consultation Restructured website 9/2013 to separate MPA from RPA and added page for public participation information 11/2015. Added reference ¹⁰ data²¹ and LBF information to public participation plan 5/2013. Incorported B1 user such uniting consultant assistance to reach minimity/refinite groups, focus on Latino/Hirpanic populations for LBF 10/2019. Developed/abilitied volumbay contends harvey (2014, 2015) for LRFT public meetings to collectionformation on income, minimity status and ethnicity. Ublied online publics (engagement tool MindMarer for transportation and economic development public input (4/2014-6/2014).
- Transportation Improvement Program Incorporated EJ analysis in STP peopramming processes as part of decision-making process 2014. Noted in TIP tables when project programming is anticipated, as any announcement. Conhused practice of including RTAG on call for projects rolicitation to local jurisdictions.
- Certification Review Public Involvement Meeting Coordinated with FHWA on hold public hearing as part of the Certification Review 4/2016.
- 8 Interagency Planning (Transit Facilities) Instated MPO transit managers quarterly meetings 2014
- 9 Quad Cities Transit Advisory Working Groups Held regional transit summits in lieu of formalized committee 12/2013 Centre Station, Moline, 32/2014 Library, Murcanne, 42/2015 Library Murcanne, 12/2013 Library, Stettaderd, Henredo et a., Georgin mening for Muscanne Human Servicer group and RDM Transit Rock Hand-Mercer County Transit), and MeteoLDW, bond Held MPO Transit manager quarterly meneing, initiated 2014.
- Environmental Justice Analysis Implemented in TIP and in STP programming process 60014. Includes EI mayns in Bi-State Region Transit Development Plan (2015), Tille VI Program and Mon Euserimmation Policy for State Regional Commission (2015), 2045 Quad Other Long Range Transportation Plan (2016).

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REQUESTED DOCUMENTS

Please provide an electronic copy or internet link to each of the following items or documents as part

- Map of Planning Area Boundary and Urbanized Area Boundary (Attached)
- Cooperative Agreement/Bylaws (TPWP Appendix) Transportation Planning Work Program PY2016 (TPWP), Appendix, pages 8-11 http://battatecoline.org/transportation/coust-cutes-metro-planning/2012-11-13-20-10-34/quad-cities-metro-towp-transportation-planning-work-orogram)
- FY 16 Unified Planning Work Program (See hnk above)
- Long Range Transportation Plan/Metropolitan Transportation Plan (2011 & 2016) 2040 Quad Cities Long Range Transportation Plan (2011 final publication) and 2045 Quad Cities Long Range Transportation Plan (2016 draft publication) http://butateonline.org/transportation/suid-cities-metro-elanning/2012-11-13-20-19-45/nuade-transportation-plass
- Public Participation Plan <u>intro Monstateonline orgetransportant on/public participation</u> and included in all major documents within an appendix
- Title VI Report (2015) <u>http://kstateonline.org/trians-ortation/public-participation</u> and referenced with compliant forms <u>http://bistateonline.org/careers</u> as part of non-discrimin reterenced with compl and equal opportunity
- FY2016-2019 Transportation Improvement Program http://bistateonline.org/transportation/quad-cities-metro-planning/2012-11-13-20-10-34/quad-cities-metro-tip-transportation-improvement-program
- Congestion Management Process (2040 LRTP Appendix C, referenced link above, 2045 LRTP Addendum underway but not presented at this time)
- Ei-State Regional Intelligent Transportation System (ITS) Architecture Plan (2013) http://kistateconline.org/transportation/mad-cities-metro-planning/2012-11-13-20-19-45/2012-11-
- Federal Listing of Obligated Projects (latest version) (Reference the TIP Status of Projects and for Dissister and Alexandria

DISPOSITION OF ACTION ITEMS FORM FROM THE 2012 CERTIFICATION REVIEW

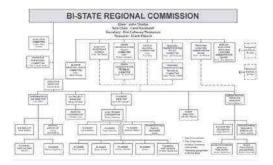
We will discuss briefly during the on-site review

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- 11. Title VI Completed Bi-State Region/MPO Title VI Plan 12/2012. Added non-discrimination Ameria – composed str-sale segmentario interviriani la dolla, sodor non antiminanton references in transportani en documenta 2013 and compliant forms to website 2013. Updated Title VI Program and Non-Decrimination Policy for B-State Regional Commission 10/2015 and accepted by FTA 1/2016.
- 12 Limited English Proficiency Incorporated as part of Title VI and EJ analyses, see above
- 13 Congestion Management Updated the Bi-State Regional Intelligent Transportation System (725) Architecture Plan (2013) and sent staff to training in 7/2014. Updated CMP as addendur to 2045 LRTP, underway 2016
- 14. Fiscal Constraint Worked with DOTs and FHWA on fiscal constraint analysis. Noting AC references in TIP.



BSRC Organizational Chart



Planning Area Boundaries



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Moving Forward

Starting Today to 2045

2045 Quad Cities Area Long Range Transportation Plan (LRTP) Population Projections' Scenarios

Population projections' iconanos were created to fluidrate a range of population growth for within the Quad State planning was. These projections will be used as dragthold for population projection organ from tool governmenter whom the planning mark. All of the populations projection creans are as based on the base year 2010, which had a population of 298,005. Five different scenarios are vormed to dipensities are used population projections. The other coded committion are incident if table I and Figure I

Recommendation to Guide Population Growth for the Travel Demand Model

The Transportation Technical Committee excommends using Scenary 3 as the lowest directional for growth and Scenario 5 as the highest threshold for growth. The range a proposed to be used to frame the individual community population emmittee by Traffic Analysis Zone (TAZ), to the cumulative total of the estimates by TAZ fail between the range.

Scimate / - Mistarical provide for the 3-county region based on decennial server data from 1470 - 2010

- Baund on the population shangs of the 3 docum, region that the abaving area lies in none-40 year period
 Porture charge 1995/2000/02000%
 Monaj Breach Unleig Great I and 9 (erg) (5000%)
 Wonghe lies greateh rate formula was used to create the projected year (2011/2016)
- Semano 2 Historical powerh in the planning ares from 2000 m 1816
- Bail dir dir die opplanden in der gelannen zum gelannen der gelannen zum si Timp opplanden der 2000 wie debannen kamp Sin & Claimmente Andyst, is web-basiel dara websik and schware zapplanten: 2000 Teste Pequate Int: 2020/4 2001 Teste Pequate Int: 2020/4

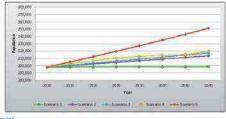
- Scounds 2 Historical pression for the 3-paume register burget an desarrout menual menual from 1990-2010
- Based on the population theory of the "Security (region the planting use all incore #20-year panod
 Private (trans. 1996-2000). 35005
 Monad private theory (Based on 20-year). IN UREA
 Singly Line growth rate family via used to on an the private year (2011-3045)
- Sciences of Grangh Spirit on Weight & Finde Linearities, the dista
- Woods & Boole Biomonics, inc. die is anatable proving tent program.
 This presents of the application that is which the planning and QOD was determined and their this purparticip ow credent advectment. Its population projection using Woods Should advect that is assuming that the planning area minute constant throng 2015.
 Those population a frame, france bland, and Stent Countys (Scouth region) in 2016, 39225

Fage | 33

- Present of that population within the sharong area 820/3728
 Woods & Poole, bc. data was net variable to 394% considering most projection was created using Norscient Each 2020 Second Paperto as 50 the population walks to 2945.
- Scienced 5 Microsoft growth brand on the fratest growing Codaty that interests the planning see a form (1986-2416
- Al these sources that he winning the planning accounts analyzed based on population sharps. Solid Society was the failest graving cause within region a 7.4%. This growth rate was applied to the planning acts. Henry County was all all Solid Real Market County was all Real Market and Solid Real Market County (Solid Real Market). The second solid rate of the solid Real Market County (Solid Real Market). All solid Real Market County (Solid Real Market). A s
- Table I Population Projections for the Planning Area

	3010	2012	282.0	2026	2626	2495	2044	2945
Service 1	298,925	296(()80:	298,/54	296,229	3/6,001	239,0/8	296,452	298.027
Sermine 3	290,005	300,172	302,354	304,550	206,767	309,990	111244	213,500
Recentle 3	298,005	200,697	303,413	306,1102	332,919	311,709	314,824	3(7,265
Searmin -	298,005	302,769	316.768	110,164	312476	314,297	115,2,89	220,115
Secontrad	270,005	305,074	312,311	219,720	327,304	335/55	243,017	101,154

Figure 1 - Population Projections for the Planning Area



Common 1. U.S. Census Earlies. 2001. 2010. Benchus Ensager. Ent/B. Community. Assignt: TA2. Executing stagettes that uses unsure for the 1005 Early Reaget Temp services in the load or 2010 Census (programme). Devendo of Detypin (log receptor services). Services and profiles (Earlies). This is a service of the services of the services.

Sciences 3 - U.I. Census Exercic2010 Census: Viscoli & Pools Economics, Inc (2014) (2015-1940) extended line for 2016 using 2007 Historich accel

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Scenario 3 - U.S. Census Bureau; 1970-2010 decennal censu (http://pages.u.oregon.edu/rgp/09/91613/(kas6a.htm) sity of Oregon Scenario 4. U.S. Census Burns (1990,2010 decental Censuse: University of Oregon (http://agis.su.oregon.etu/ga/99/Pr613/acass/a.tm) Scenario 5. U.S. Cross Burns (1990,2010 decental Censuse; University of Oregon (http://agis.oregon.etu/ga/99/Pr613/acass/atu/o)

Formula:
F=8 (1+0)*T
Pr Future Population
B= Base year Population
GII Growth Rate
T= Projected year time

Source Datassity of Deepos. Perployees acceptor etalogo/HPING(15)dambalant)

Table 2 - 48 Year Historical Change (1970-2818)

	Henry County	Rock Island County	Scott County	Rock Island and Scott County Total	9 County Total
1970	53,217	166.734	142,687	309.401	362,638
1940	\$7,960	165,968	160,022	325,990	303,958
1990	51,159	146,723	150,979	199,702	358,861
2000	51,020	149,374	158,658	308.042	357,062
2010	\$0,486	147,546	165,224	312,370	361,256
# change 1970-00	475)	-766	17,335	16,969	21,320
% charge 1970-00	0.9%	0.5%	12.1%	5.4%	5.9%
# change 1950-90	-6,809	-17,245	-9,043	-26.2.88	-33,097
% change 1900-90	+11.7%	+10.4%	-57%	-0.1%	+8.6%
# change 1990-00	-139	651	7,689	8340	8,201
% charge 1990-00	203%	0.4%	5.1%	2.0%	2.3%
# change 2000-10	-534	-1.020	6,5%	4738	4, 194
% charge 2000-10	-1.0%	-1.2%	41%	1.5%	1,2%
# change 1990-10	-673	-1,177	14,245	13,068	12,395
% change 1990-10	-1.3%	-0.8%	9.4%	4.4%	3.5%
# change 1970-2010	-2,731	- 19,100	22,537	5,549	618
% change 1970-2010	-5.1%	+11.5%	15.8%	LIN	0.2%

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Three Basic Methods for Projections:

- <u>Historical Trande</u>: This method looks as databases with multiple data years (i.e. 2000 and 2010 data sets), and calculates the rate of change between those years and applies the (annulated) rate of change beginning with the base year total emgloyment through the horizon year (compounded annually) to create projection.
- <u>Third-Party Projections</u> This method uses already produced projections from a source either commercially produced or through another institution.
- <u>Hybrid Method</u> Thar method used a combination of data and resources: Using the approved population remains, BSRC staff hous the 2010 hour year data for total population (220,005) and total employment (183,401) and calculated the ratio of employed to population (51 54%). That ratio (61 54%) was then applied to the projected 2015 total population for both cemains 1 and 5 to teterimme projected

Employment Projections:

•	Historia the data	The data	used was fro	m 2000 and 2	010,	for their ava	ulability and co	insistency for all
		 	· · · · ·		_		Annual 51	1 1

Dataset	2080	2010	% change 2000-2010	2010 Dase Year	2025	2845	change (35 years)	14 Change 20 00 2045
qu ortOotel	176,418	197,118	11.7%	183,401	218,471	275,877	1.44%	50.42%
CEW	\$\$1,710	173,886	-4.3%	183,401	171,906	157,693	-0.40%	-1402%
LED	174,314	164,216	-5.8%	183,401	174,009	162,201	-0.33%	-11,54%

 a InfoGroup
 1 Definitions Internet-based reference service database that contains detailed bunness information Information 2. Orography: Henry County, IL, Rock Island County, IL, and Scott County, IA 3. Timeframe used: 2000 and 2010

Census of Employment and Wages (CEW)
 Definition: Details or validable from the U.S. Duresu of Labor Staintics: The program ongines of in the 1930s, and was known as the ES-020 program until 2001 when the current CEW source was adopted. The primary economic product is the tabulation of employment as dwarps of ortholizing most value report to the Unemployment Interactor represents the output of the tabulation of the U.S. Starter and the County 2. Geography Henry County LL, Rock Island County, IL, and Scott County, IA 3. Timeframe used: 2000 and 2010

 Local Employment Dynamics (LED) Partnerskip
 Definition: Data is from the U.S. Crusus Bureau. LED is an extraction tool that allows access to the employment Equres from the Quarterly Workforce Inductors (QWI) dataset. Geography: Hency County, IL, Rock Island County, IL, and Scott County, IA.
 Timeframe: 2000 and 2010

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Moving Forward

Starting Today to 2045

2045 Quad Cities Area Long Range Transportation Plan (LRTP) Employment Projections

September 9, 2014 Employment projection scenarios were created to illustrate a range of employment change for the Quad Chiter planning nea. The "approved" projections will be used as a threshold for employment projection input from local governments within the planning area. All of the employment to projection scenarios begins at the 2010 base year, a total employment of 183,401 (Source: Infogroup 3rd Quarter, 2010, Local source)

Approved Population Projections:

	2010	2025	2025 2045 Total Population Grow 2010 2045		Percent Change 2018-2045
Scenario 1	298,005	298,229	298,527	522	0.2%
Scenario 5	298,005	319,720	351,154	53,149	17.8%

ns Darwe, 1970-2010 & Goals for the Employment Projections:

- Choose the best somarios as the thresholds for the employment projections
 Provide a logic check for the community input data that is used in the travel model
 All the scenarios are based on the total <u>employers</u> at <u>employers</u> within the MPA



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· Third Party Projections

Dataset	2010 Base Year	r 2025 2045		Annual 96change (35 years)	96 Change 2010-2045	
Woods & Poole	183,401	203,295	229,537	0.72%	25.16%	
WIA	183,401	198,463	220,491	0.38%	20.22%	

- Woods & Poole
 In Definition: Projection and historical database: Woods & Poole produces numbers from
 1696-2006. For this projection we used the Woods & Poole projected data from 2011 2040; then using Microsoft Excel extended the line using a straight line SII method to
 2044
 2049; Pro Bai are models as coursely result, them the protect of the bial employed
 working the Microsoft Excel extended the line using a straight line SII method to
 2044
 2049; Pro Bai are working the source of the strained strained of the bial employed
 working the Microsoft Excel extended the line using a straight line SII method to
 2044
 2049; Pro Bai are working the source of the strained strained of the bial employed
 working the Microsoft Excel extended the projected numbers
 Total Employed in the 2010 MPA boundary
 182,401

Total Employed in the 2010 3 County boundary	218,932
Percent of total employed within the MPA boundary	84.00%

Warkforce Investment Aress (WIA)

 Definition: WIA data is produced by the Ilinois Department of Employment Securities (IDES). IDES creates projections by WIA for 2010 and 2020. We used that rate of change and applied that rate to the base year to create projections.
 Goography WIA 13: Heary, Mercer, and Brock Island Counter, IL. This was only available for the Ilinois Counter:
 Timeframe. 2010 and 2000 projections

Hybrid Method

Dataset	2010 Base Year	2025	2845	Annual % change (35 years)	% Change 2010-2045
Employment to Population Ratio - Scenario 1 (1970- 2010)	183,401	183,539	183;722	0.01%	0.18%
Employment to Population Ratio - Scenario 5 (1990. 2010)	183,401	196,765	216,110	0.51%	17.83%

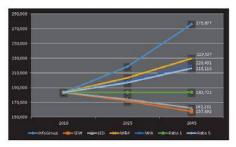
a Employment to Population Ratio 1 Definition: Using the approved population scenarios, we took the 2010 have year data for too do population (28,000) and total caraployment (183,401) to find the ratio of employed-to exputation (61,54%). That ratio (61,54%) was then applied to the projected 2045 total population for both scenario 1 and 5 to determine projected employment.
2. Geography: The MPA

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Employment Projections - All Options:

Dataset	2010	2025	2045	Annual Percent Change	Percent Change 2010-2045
1.Historical Trends	<u> </u>		-		
InfoOrcup	183,401	218,471	275,877	1.44%	.50.42%
CEW	183,401	171,906	157,693	-9.40%	-14.0296
LED	183,401	174,009	162,231	-8.33%	-11.5496
2. Third- Party Projections		0	5 8	- 10-10-11 	5
Woods & Poole	183,401	203,295	229,537	0.72%	25.16%
WIA	183,401	198,465	220,491	0.58%	20.22%
3.Hybrid					1
Employment to Population Ratio - 1	183,401	183,539	183,722	0.01%	0.1896
Employment to Population Ratio - 5	183,401	196,765	216,110	0.51%	17.83%



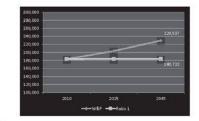
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Note: Chapter 1 employment projection values will differ from this recorded summary due to modifications of the employment data set during the travel demand modeling process. The base pare mployment data used in the tored demand model and the base of the projects that corrections applied that are shown in the TAZ tables accomparing Appendix B. The corrections are to the 121 [01] Fazil version of the plan and model information.

Recommendations:

- The recommended thresholds for the planning area are Woods & Poole projected data (third-party projections) and Population to Employment ratio 1 (hybrid method).
- These options provide opportunity for future employment in the planning area to grow from between 321 to 46,136 (a range of 45,765) additional employees in 35 years (or a maximum of 1,318 annually).

Recommended Thresholds	Dataset	2010	2025	2045	Annual 54 change	95 change 2010- 2045	Tetal employment growth 2010 2045
Low	Employment to Population Patio - 1	183,401	183,539	183,722	0.01%	0.18%	321
High	Woods & Foole	183,401	203,295	229,337	0.72%	25 16%	46,136



1.22

s diagnorge-3d Ousers 2000 and 2010 US Serva Univer, Loopthank Registers Noveleid Dynamics Woods for Orde Roomanis, Inc. (2014) Elimical Loopthank Discopharest 3 Scientisti US Chanal Bioway, discussio Scientisti US Chanal Bioway, discussio Scientisti Romain. University Congona (Bry Jayae congon endologyPPF9613/Elisada Jabo)

Younnala:
F-B(I-Cy-T
Ps Potus Population
B~ Bwe year Population
G= Gaowth Rate
To Projected year time

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Annual Listing of Federally Obligated Projects Bi-State MPO - Fiscal Year 2015

The Moving Ahead for Progress in the 21* Century Act (MAP-21) requires:

"An annual listing of projects, including investments in pedestria nvalueays and bicycle transportation facilities, for which faderal funds have been obligated in the preceding year shall be published or athewise made a valuable by the cooperative effort of the Starts, trans doerstor, and metroplatan planning organisation for public review. The listing shall be consistent with the categories identified in the Transportation improvement Program (TDP)."

In response, the Bi-State Regional Commission has developed a list of all transportation projects in the urbanized Illinois Quad Cities that have obligated federal transportation funds in the preceding fiscal year. The loss Department of Transportation has accessible a project status report included in the TP as a sufficient listing of obligated federal funds, and therefore projects located in the low Quad Cities have been excluded from this document. Obligation is defined as the Federal Bovernment's legal commitment to pay the Federal share of a project's cost. Projects for which funds have been abligated are not necessarily initiated or completed in the program year, and the amount of obligation will not necessarily equal the total cost of the project.

The following mport includes lists of roadway and transit projects obligated to receive Federal transportation funds during first I Var 2015 (October 1, 2014-September 20, 2015). Since the Bi-State Regional Commission is not directly responsible for obligating federal funds, thir roport is based on information provided by the Illinois Department of Transportation, the local transit yetter Meteorement Transportation Inprovement Program (IIP). Core scale project, the TP number, project description, obligated federal immunt, programmed federal lamount, total project com, and start/federal project IS as a shown. Only obligated federal funds are included in this report, no local or starts funds are reflected.

Also abown in this report is a list of Advanced Construction Projects. Advanced construction (AC) is used as a cash flow boal by illinois Department of Transportation to utilize state funds at the time of obligation and later convent those funds to federal funding sources. Tables are provided for both advanced construction and convented projects.

Summary of FY 2015 Obligated Funds

Bi-State Regional Commission Quad Cities: Davenport-Moline-Rock Island

Urbanized Area

Annual Listing of Federally Obligated Projects

Fiscal Year 2015 October 1, 2014 – September 30, 2015

Roadway

Number of Projects	Total Cost	Obligated Federal Funds
4	\$33,536,367	\$30,134,505

Transit

Number of Projects	Total Cost	Obligated Federal Funds
4	\$1,882,500	\$1,506,000

Summary of FY 2015 Advanced Construction Projects

Number of Projects	Total Cost	Advanced Construction Funding
3	\$64,445,076	\$52,951,560

Summary of FY 2014 Converted Advanced Construction Projects

Number of Projects	Total Cost	Converted Advanced Construction Funding
3	\$5,457,366	\$3,246,030





			al List of Federa Fiscal Year 2015					2015)		
TIP Number	State Project Number		Description	T	Guigates Faderal Funds	Prog	TIP ni mmid ni Funds	federal Source	Total P	Yogest Cont
IL-15-00	C-92-127-15		s ection of US 6 & it. c pvt reconstruction, ting, liands caping et-		54,910,007	54)	405,000	HEP	55,	457,366
1.11.11	C-92-030-14	1406 mild milling, 74 from 4 millionsh of			18-695.729.00	5.12,	870,020	8627	5.8	273,105
1.9.9	C-02-031-14	from Smieastaff	ng & resurfecing on 140 15 74/L80 interchange to west of IL82		8.525,075.00	59.	00,000	N-07	58;	495, 39.2
1.15 H	C40-411-15/C- 92-400-15	and construction of the bridge from Dettern threak. Demoktorn building adjacent to	enning, design, right-of-way acquibilion I construction of the interstate Route 76 light form Bettendorf, Iowa to Moline, Sinds, Demolition and removal of one bling adjacent to 174 in Maline for the Li/Fire additionation on project.		202.70%20	53	00,000	NDI	57	20,714
		τc	MAL.	-	890,184,505	\$26.	635,000		\$ 19.	596,967
TID Number			Fiscal Year 2019	08		4 Se		2015)		i Project Corr
ML 15:02		ect Description	Project (ype)	2	1 250 000	10	1 250 000	5107	2	1,562,50
ML-15-05		DP Hardware	6	2	64,000	5	64,033	5307	2	80.50
ML 15-07		DP Software	¢ (5	16,000	5	16,000	510.7	5	30,00
MU15-07	Trans	# Ethan cemans	c	5	176,000	5	176,000	5 30 7	5	220,00
		TOTAL	1.0	\$	1,505,000	\$	1.505.000		5	1,840,40

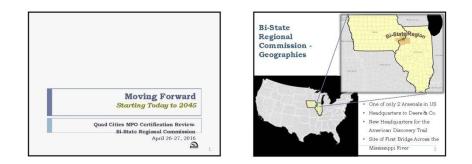
		Ek-State MPO - Fiscal Year 2015 (Octo	der 1, 1014 - 5			
TIP Number	State Project Number	Project Description	Advenced Construction Funding	TIP Programmed Federal Funds	Federal Source	Yotal Projec
12-15-01	C-42 016-13	Remove & real stwittradures over Green for, loss over 8583758 & two over Barstew Rd & result from R mi N of ILS/ILS2 to Henry Co Size in Rock Island	\$74,024,462	524,940,000	11099	\$35,596,30
11.15.04	0.42.425.12	2.55 mi of powersent records: & widening, to & lands of it, 5 is Maline from 0.2 mi W of 2016.01, to 0.3 mill of 2016.01, inc., note 8 reaching walk, converts, store servers, signals & lighting sto	\$55,240,000	539,410,010	NH89	549,000,00
066-16- 01	C-92-049-16	Finanteeing, sidemath repl & carb & gotter repl en FAU 9952 (13h 21) from 11, 9416 33th Ave & FCC pix repl gitte intersedien with Marten Dr, toxeted in City of Sect Malice	\$607,110	3682,549	STI-Reg.	5658,863
-	8 - Ye	TOTA:	592.992.950	554.022.543	S	564,445.07

		Annual List of Converted Adva Bi-State MPO - Piscal Year 2015 (Orto			1151	
Tip Number	State Project Number	Project Description	Converted Advanced Construction Funding	TIP Programmed Federal Funds	Rederal Source	Yotal Projec Cost
16.16.08	0.92-127-13	Recurst of the intersection of US # 8.16. 84 wast of Colona includ reconstruction, oraffics ignals, lighting, landscaping etc.	\$1,246,030	54,465,000	HEIP	35,457,346
8-15-14	6-92-001-14	34.05 mi of milling, patching & result on 1-74 from .4 mi north of 35.6 to .4 mi south of 4.01	\$12,057,300	512,870,000	NHPP	\$38,378,201
16-15-10	0-92-001-14	7.94 mi of patching 5, recorfacing on 1-80 from 5 mi cast of 5.74(162 interchange to 5 mi west of 10.02	\$5,995,100	59,000,000	8825	59,465,182
	S - 3	TOTAL:	\$3,246,030	\$4,455000		\$5,457,366



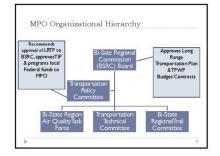
Appendix D: Bi-State Kick-Off Presentation

4/27/2016











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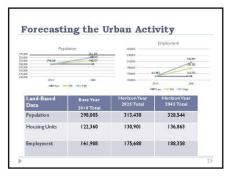




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Appendix E: Federal Presentation









Metropolitan Transportation **Planning Process**

What is the Planning Process?

- A process by which transportation decisions are made and projects are planned, selected and prioritized for implementation within the region.
- The Bi-State Regional Commission is designated as the planning organization for transportation.



Metropolitan Transportation Planning Process

• Decides how a substantial share of federal funding is spent nationwide.



Because of limited funding, the MPO must prioritize the regional needs and determine the best and most economical solution.



The process lays the framework for the future transportation system.

Metropolitan Transportation Planning Process

Who is involved?

- MPO
- Departments of Transportation (IL & IA)
- MetroLINK, CitiBus, Bettendorf, River Bend Transit Agencies
- Local Jurisdictions (cities, counties)
- Local Citizens
- Interest Groups
- FTA & FHWA

Metropolitan Transportation Planning Process

3-C Approach Continuing

- Comprehensive
- Multimodal (road and non-road users)
- **Opportunity for Public** Input

Metropolitan Transportation Planning Process

- Products of the Metropolitan Transportation Planning Process
 - Transportation Planning Work Program (TPWP)
 - Transportation Improvement Program (TIP)
 - Public Participation Plan (PPP)
 - Metropolitan Transportation Plan (MTP)
 - Congestion Management Process (CMP)

What is... Transportation Planning Work Program?

- A document describing the planning activities to be completed in
- Bi-State's Fiscal year.
- Creates the annual MPO transportation planning budget
- Includes federal and local funding



What is... The Metropolitan Transportation Pla

- 20-year horizon multi-modal guide to regional needs and potential solutions
- Financially feasible/constrained
- Contains: financial plans, local goals & objectives, public involvement

What is... A Congestion Managemer

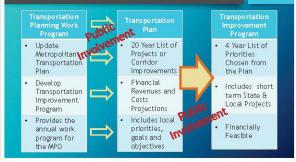
- Short term and long term strategies
 - Short term—looks at current traffic and transit problems and tries to solve/reduce congestion
 - Long Term—tries to prevent congestion from occurring

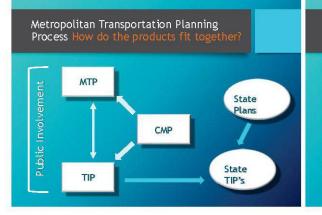
What is...

A Transportation Improvement Program?

- 4-Year list of financially feasibly projects
- A document prioritizing regional projects for funding and implementation

Metropolitan Transportation Planning Process How do the products fit togethe





Public Comment Time

Here are some suggested items/thoughts for you to consider in making your comments:

1. What is your opinion of the effectiveness of the Bi State Regional Commission and its planning partners in conducting their planning products?

2. How is BSRC and its planning partners proceeding/doing in regard to multimodal planning?



Public Comment Time

3. What is your opinion of the effectiveness of the BSRC in seeking public input into its transportation planning process?

4. Do you have an adequate opportunity to participate in the planning process? Have you been involved in the transportation planning process?

5. And finally; what is your view/opinion of the process?

Public Comment Time

Written Comments - We have comment forms for you to fill out or take with you.

il Written Comments: Mark Bechtel, Planning Team Leader FTA Region VI 901 Locust Street Kansas City, MO 64106

Email Written Comments: Mark.Bechtel@dot.gov

You have until June 30, 2016 to mail in your written comments.

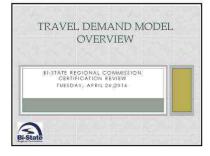
The "Floor" Is Yours!

- Please Identify Yourself For The Record
- All Opinions And Points Of View Are Valid
- Respect Opinions Of Others
- Please Keep Your Remarks To 5 Minutes Or Less
- Thanks For Your Time And For Participating!!



Appendix F: Travel Demand Model Overview

4/27/2016













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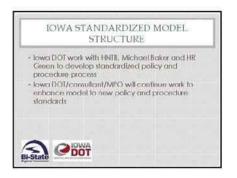
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Report prepared by:

Federal Highway Administration Iowa FHWA Division 105 6th Street Ames, IA 50010 Phone: 515-233-7305 FAX: 515-233-7499 Federal Transit Administration Region VII 901 Locust, Suite 404 Kansas City, MO 64106 Phone: 816-329-3920 FAX: 816-329-3921

For additional copies of this report, contact our office.