

certify that the State (Commonwealth) is in compliance with all requirements of 23 U.S.C. 505 and its implementing regulations with respect to the research, development, and technology transfer program, and contemplate no changes in statutes, regulations, or administrative procedures which would affect such compliance.”

(d) The FHWA Division Administrator shall periodically review the State DOT’s management process to determine if the State is in compliance with the requirements of this subpart. If the Division Administrator determines that a State DOT is not complying with the requirements of this subpart, or is not performing in accordance with its RD&T management process, the FHWA Division Administrator shall issue a written notice of proposed determination of noncompliance to the State DOT. The notice will set forth the reasons for the proposed determination and inform the State DOT that it may reply in writing within 30 calendar days from the date of the notice. The State DOT’s reply should address the deficiencies cited in the notice and provide documentation as necessary. If the State DOT and the Division Administrator cannot resolve the differences set forth in the determination of nonconformity, the State DOT may appeal to the Federal Highway Administrator whose action shall constitute the final decision of the FHWA. An adverse decision shall result in immediate withdrawal of approval of FHWA planning and research funds for the State DOT’s RD&T activities until the State DOT is in full compliance.

(The information collection requirements in § 420.209 have been approved by the OMB and assigned control number 2125-0039)

## **PART 450—PLANNING ASSISTANCE AND STANDARDS**

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### APPENDIX A TO PART 450—LINKING THE TRANSPORTATION PLANNING AND NEPA PROCESSES

AUTHORITY: 23 U.S.C. 134 and 135; 42 U.S.C. 7410 *et seq.*; 49 U.S.C. 5303 and 5304; 49 CFR 1.85 and 1.90.

SOURCE: 81 FR 34135, May 27, 2016, unless otherwise noted.

## Subpart A—Transportation Planning and Programming Definitions

### § 450.100 Purpose.

The purpose of this subpart is to provide definitions for terms used in this part.

### § 450.102 Applicability.

The definitions in this subpart are applicable to this part, except as otherwise provided.

### § 450.104 Definitions.

Unless otherwise specified, the definitions in 23 U.S.C. 101(a) and 49 U.S.C. 5302 are applicable to this part.

*Administrative modification* means a minor revision to a long-range statewide or metropolitan transportation plan, Transportation Improvement Program (TIP), or Statewide Transportation Improvement Program (STIP) that includes minor changes to project/project phase costs, minor changes to funding sources of previously included projects, and minor changes to project/project phase initiation dates. An administrative modification is a revision that does not require public review and comment, a redemonstration of fiscal constraint, or a conformity determination (in nonattainment and maintenance areas).

*Amendment* means a revision to a long-range statewide or metropolitan transportation plan, TIP, or STIP that involves a major change to a project included in a metropolitan transportation plan, TIP, or STIP, including the addition or deletion of a project or a major change in project cost, project/project phase initiation dates, or a major change in design concept or de-

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sign scope (e.g., changing project termini or the number of through traffic lanes or changing the number of stations in the case of fixed guideway transit projects). Changes to projects that are included only for illustrative purposes do not require an amendment. An amendment is a revision that requires public review and comment and a redemonstration of fiscal constraint. If an amendment involves “non-exempt” projects in nonattainment and maintenance areas, a conformity determination is required.

*Asset management* means a strategic and systematic process of operating, maintaining, and improving physical assets, with a focus on both engineering and economic analysis based upon quality information, to identify a structured sequence of maintenance, preservation, repair, rehabilitation, and replacement actions that will achieve and sustain a desired state of good repair over the lifecycle of the assets at minimum practicable cost.

*Attainment area* means any geographic area in which levels of a given criteria air pollutant (e.g., ozone, carbon monoxide, PM<sub>10</sub>, PM<sub>2.5</sub>, and nitrogen dioxide) meet the health-based National Ambient Air Quality Standards (NAAQS) for that pollutant. An area may be an attainment area for one pollutant and a nonattainment area for others. A “maintenance area” (see definition in this section) is not considered an attainment area for transportation planning purposes.

*Available funds* means funds derived from an existing source dedicated to or historically used for transportation purposes. For Federal funds, authorized and/or appropriated funds and the extrapolation of formula and discretionary funds at historic rates of increase are considered “available.” A similar approach may be used for State and local funds that are dedicated to or historically used for transportation purposes.

*Committed funds* means funds that have been dedicated or obligated for transportation purposes. For State funds that are not dedicated to transportation purposes, only those funds over which the Governor has control

may be considered “committed.” Approval of a TIP by the Governor is considered a commitment of those funds over which the Governor has control. For local or private sources of funds not dedicated to or historically used for transportation purposes (including donations of property), a commitment in writing (e.g., letter of intent) by the responsible official or body having control of the funds may be considered a commitment. For projects involving 49 U.S.C. 5309 funding, execution of a Full Funding Grant Agreement (or equivalent) or an Expedited Grant Agreement (or equivalent) with the DOT shall be considered a multiyear commitment of Federal funds.

*Conformity* means a Clean Air Act (42 U.S.C. 7506(c)) requirement that ensures that Federal funding and approval are given to transportation plans, programs and projects that are consistent with the air quality goals established by a State Implementation Plan (SIP). Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the NAAQS or any required interim emission reductions or other milestones in any nonattainment or maintenance area. The transportation conformity regulations (40 CFR part 93, subpart A) sets forth policy, criteria, and procedures for demonstrating and assuring conformity of transportation activities.

*Conformity lapse* means, pursuant to section 176(c) of the Clean Air Act (42 U.S.C. 7506(c)), as amended, that the conformity determination for a metropolitan transportation plan or TIP has expired and thus there is no currently conforming metropolitan transportation plan or TIP.

*Congestion Management Process* means a systematic approach required in transportation management areas (TMAs) that provides for effective management and operation, 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., through the use of travel demand reduction and operational management strategies.

*Consideration* means that one or more parties takes into account the opinions, action, and relevant information from other parties in making a decision or determining a course of action.

*Consultation* means that one or more parties confer with other identified parties in accordance with an established process and, prior to taking action(s), considers the views of the other parties and periodically informs them about action(s) taken. This definition does not apply to the “consultation” performed by the States and the Metropolitan Planning Organizations (MPOs) in comparing the long-range statewide transportation plan and the metropolitan transportation plan, respectively, to State and tribal conservation plans or maps or inventories of natural or historic resources (see section 450.216(j) and sections 450.324(g)(1) and (g)(2)).

*Cooperation* means that the parties involved in carrying out the transportation planning and programming processes work together to achieve a common goal or objective.

*Coordinated public transit-human services transportation plan* means a locally developed, coordinated transportation plan that identifies the transportation needs of individuals with disabilities, older adults, and people with low incomes, provides strategies for meeting those local needs, and prioritizes transportation services for funding and implementation.

*Coordination* means the cooperative development of plans, programs, and schedules among agencies and entities with legal standing and adjustment of such plans, programs, and schedules to achieve general consistency, as appropriate.

*Design concept* means the type of facility identified for a transportation improvement project (e.g., freeway, expressway, arterial highway, grade-separated highway, toll road, reserved right-of-way rail transit, mixed-traffic rail transit, or busway).

*Design scope* means the aspects that will affect the proposed facility’s impact on the region, usually as they relate to vehicle or person carrying capacity and control (e.g., number of lanes or tracks to be constructed or added, length of project, signalization,

safety features, access control including approximate number and location of interchanges, or preferential treatment for high-occupancy vehicles).

*Designated recipient* means an entity designated, in accordance with the planning process under 49 U.S.C. 5303 and 5304, by the Governor of a State, responsible local officials, and publicly owned operators of public transportation, to receive and apportion amounts under 49 U.S.C. 5336 that are attributable to urbanized areas of 200,000 or more in population, or a State or regional authority if the authority is responsible under the laws of a State for a capital project and for financing and directly providing public transportation.

*Environmental mitigation activities* means strategies, policies, programs, and actions that, over time, will serve to avoid, minimize, rectify, reduce or eliminate impacts to environmental resources associated with the implementation of a long-range statewide transportation plan or metropolitan transportation plan.

*Expedited Grant Agreement (EGA)* means a contract that defines the scope of a Small Starts project, the Federal financial contribution, and other terms and conditions, in accordance with 49 U.S.C. 5309(h)(7).

*Federal land management agency* means units of the Federal Government currently responsible for the administration of public lands (e.g., U.S. Forest Service, U.S. Fish and Wildlife Service, Bureau of Land Management, and the National Park Service).

*Federally funded non-emergency transportation services* means transportation services provided to the general public, including those with special transport needs, by public transit, private non-profit service providers, and private third-party contractors to public agencies.

*Financial plan* means documentation required to be included with a metropolitan transportation plan and TIP (and optional for the long-range statewide transportation plan and STIP) that demonstrates the consistency between reasonably available and projected sources of Federal, State, local, and private revenues and the costs of

implementing proposed transportation system improvements.

*Financially constrained or Fiscal constraint* means that the metropolitan transportation plan, TIP, and STIP includes sufficient financial information for demonstrating that projects in the metropolitan transportation plan, TIP, and STIP can be implemented using committed, available, or reasonably available revenue sources, with reasonable assurance that the federally supported transportation system is being adequately operated and maintained. For the TIP and the STIP, financial constraint/fiscal constraint applies to each program year. Additionally, projects in air quality nonattainment and maintenance areas can be included in the first 2 years of the TIP and STIP only if funds are “available” or “committed.”

*Freight shippers* means any entity that routinely transport cargo from one location to another by providers of freight transportation services or by their own operations, involving one or more travel modes.

*Full Funding Grant Agreement (FFGA)* means an instrument that defines the scope of a project, the Federal financial contribution, and other terms and conditions for funding New Starts projects as required by 49 U.S.C. 5309(k)(2).

*Governor* means the Governor of any of the 50 States or the Commonwealth of Puerto Rico or the Mayor of the District of Columbia.

*Highway Safety Improvement Program (HSIP)* means a State safety program with the purpose to reduce fatalities and serious injuries on all public roads through the implementation of the provisions of 23 U.S.C. 130, 148, and 150 including the development of a Strategic Highway Safety Plan (SHSP), Railway-Highway Crossings Program, and program of highway safety improvement projects.

*Illustrative project* means an additional transportation project that may be included in a financial plan for a metropolitan transportation plan, TIP, or STIP if reasonable additional resources were to become available.

*Indian Tribal government* means a duly formed governing body for an Indian or Alaska Native tribe, band, nation, pueblo, village, or community that the Secretary of the Interior acknowledges to exist as an Indian Tribe pursuant to the Federally Recognized Indian Tribe List Act of 1994, Public Law 103-454.

*Intelligent Transportation System (ITS)* means electronics, photonics, communications, or information processing used singly or in combination to improve the efficiency or safety of a surface transportation system.

*Interim metropolitan transportation plan* means a transportation plan composed of projects eligible to proceed under a conformity lapse and otherwise meeting all other applicable provisions of this part, including approval by the MPO.

*Interim Transportation Improvement Program (TIP)* means a TIP composed of projects eligible to proceed under a conformity lapse and otherwise meeting all other applicable provisions of this part, including approval by the MPO and the Governor.

*Long-range statewide transportation plan* means the official, statewide, multimodal, transportation plan covering a period of no less than 20 years developed through the statewide transportation planning process.

*Maintenance area* means any geographic region of the United States that the Environmental Protection Agency (EPA) previously designated as a nonattainment area for one or more pollutants pursuant to the Clean Air Act Amendments of 1990, and subsequently redesignated as an attainment area subject to the requirement to develop a maintenance plan under section 175A of the Clean Air Act, as amended (42 U.S.C. 7505a).

*Management system* means a systematic process, designed to assist decision makers in selecting cost effective strategies/actions to improve the efficiency or safety of, and protect the investment in the nation's infrastructure. A management system can include: Identification of performance measures; data collection and analysis; determination of needs; evaluation and selection of appropriate strategies/actions to address the needs; and evalua-

tion of the effectiveness of the implemented strategies/actions.

*Metropolitan planning agreement* means a written agreement between the MPO, the State(s), and the providers of public transportation serving the metropolitan planning area that describes how they will work cooperatively to meet their mutual responsibilities in carrying out the metropolitan transportation planning process.

*Metropolitan planning area (MPA)* means the geographic area determined by agreement between the MPO for the area and the Governor, in which the metropolitan transportation planning process is carried out.

*Metropolitan Planning Organization (MPO)* means the policy board of an organization created and designated to carry out the metropolitan transportation planning process.

*Metropolitan transportation plan* means the official multimodal transportation plan addressing no less than a 20-year planning horizon that the MPO develops, adopts, and updates through the metropolitan transportation planning process.

*National Ambient Air Quality Standard (NAAQS)* means those standards established pursuant to section 109 of the Clean Air Act (42 U.S.C. 7409).

*Nonattainment area* means any geographic region of the United States that EPA designates as a nonattainment area under section 107 of the Clean Air Act (42 U.S.C. 7407) for any pollutants for which an NAAQS exists.

*Nonmetropolitan area* means a geographic area outside a designated metropolitan planning area.

*Nonmetropolitan local officials* means elected and appointed officials of general purpose local government in a nonmetropolitan area with responsibility for transportation.

*Obligated projects* means strategies and projects funded under title 23 U.S.C. and title 49 U.S.C. Chapter 53 for which the State or designated recipient authorized and committed the supporting Federal funds in preceding or current program years, and authorized by the FHWA or awarded as a grant by the FTA.

*Operational and management strategies* means actions and strategies aimed at

improving the performance of existing and planned transportation facilities to relieve congestion and maximize the safety and mobility of people and goods.

*Performance measure* refers to “Measure” as defined in 23 CFR 490.101.

*Performance metric* refers to “Metric” as defined in 23 CFR 490.101.

*Performance target* refers to “Target” as defined in 23 CFR 490.101.

*Project selection* means the procedures followed by MPOs, States, and public transportation operators to advance projects from the first 4 years of an approved TIP and/or STIP to implementation, in accordance with agreed upon procedures.

*Provider of freight transportation services* means any entity that transports or otherwise facilitates the movement of cargo from one location to another for others or for itself.

*Public transportation agency safety plan* means a comprehensive plan established by a State or recipient of funds under Title 49, Chapter 53 and in accordance with 49 U.S.C. 5329(d).

*Public transportation operator* means the public entity or government-approved authority that participates in the continuing, cooperative, and comprehensive transportation planning process in accordance with 23 U.S.C. 134 and 135 and 49 U.S.C. 5303 and 5304, and is a recipient of Federal funds under title 49 U.S.C. Chapter 53 for transportation by a conveyance that provides regular and continuing general or special transportation to the public, but does not include sightseeing, school bus, charter, certain types of shuttle service, intercity bus transportation, or intercity passenger rail transportation provided by Amtrak.

*Regional ITS architecture* means a regional framework for ensuring institutional agreement and technical integration for the implementation of ITS projects or groups of projects.

*Regionally significant project* means a transportation project (other than projects that may be grouped in the TIP and/or STIP or exempt projects as defined in EPA’s transportation conformity regulations (40 CFR part 93, subpart A)) that is on a facility that serves regional transportation needs (such as access to and from the area

outside the region; major activity centers in the region; major planned developments such as new retail malls, sports complexes, or employment centers; or transportation terminals) and would normally be included in the modeling of the metropolitan area’s transportation network. At a minimum, this includes all principal arterial highways and all fixed guideway transit facilities that offer an alternative to regional highway travel.

*Regional Transportation Planning Organization (RTPO)* means a policy board of nonmetropolitan local officials or their designees created to carry out the regional transportation planning process.

*Revision* means a change to a long-range statewide or metropolitan transportation plan, TIP, or STIP that occurs between scheduled periodic updates. A major revision is an “amendment” while a minor revision is an “administrative modification.”

*Scenario planning* means a planning process that evaluates the effects of alternative policies, plans and/or programs on the future of a community or region. This activity should provide information to decision makers as they develop the transportation plan.

*State* means any one of the 50 States, the District of Columbia, or Puerto Rico.

*State Implementation Plan (SIP)* means, as defined in section 302(q) of the Clean Air Act (CAA) (42 U.S.C. 7602(q)), the portion (or portions) of the implementation plan, or most recent revision thereof, which has been approved under section 110 of the CAA (42 U.S.C. 7410), or promulgated under section 110(c) of the CAA (42 U.S.C. 7410(c)), or promulgated or approved pursuant to regulations promulgated under section 301(d) of the CAA (42 U.S.C. 7601(d)) and which implements the relevant requirements of the CAA.

*Statewide Transportation Improvement Program (STIP)* means a statewide prioritized listing/program of transportation projects covering a period of 4 years that is consistent with the long-range statewide transportation plan, metropolitan transportation plans, and TIPs, and required for projects to be eligible for funding under title 23 U.S.C. and title 49 U.S.C. Chapter 53.

*Strategic Highway Safety Plan* means a comprehensive, multiyear, data-driven plan, developed by a State DOT in accordance with the 23 U.S.C. 148.

*Transit Asset Management Plan* means a plan that includes an inventory of capital assets, a condition assessment of inventoried assets, a decision support tool, and a prioritization of investments.

*Transit Asset Management System* means a strategic and systematic process of operating, maintaining, and improving public transportation capital assets effectively, throughout the life cycles of those assets.

*Transportation Control Measure (TCM)* means any measure that is specifically identified and committed to in the applicable SIP, including a substitute or additional TCM that is incorporated into the applicable SIP through the process established in CAA section 176(c)(8), that is either one of the types listed in section 108 of the CAA (42 U.S.C. 7408) or any other measure for the purpose of reducing emissions or concentrations of air pollutants from transportation sources by reducing vehicle use or changing traffic flow or congestion conditions. Notwithstanding the above, vehicle technology-based, fuel-based, and maintenance-based measures that control the emissions from vehicles under fixed traffic conditions are not TCMs.

*Transportation improvement program (TIP)* means a prioritized listing/program of transportation projects covering a period of 4 years that is developed and formally adopted by an MPO as part of the metropolitan transportation planning process, consistent with the metropolitan transportation plan, and required for projects to be eligible for funding under title 23 U.S.C. and title 49 U.S.C. chapter 53.

*Transportation Management Area (TMA)* means an urbanized area with a population over 200,000, as defined by the Bureau of the Census and designated by the Secretary of Transportation, or any additional area where TMA designation is requested by the Governor and the MPO and designated by the Secretary of Transportation.

*Unified Planning Work Program (UPWP)* means a statement of work identifying the planning priorities and

activities to be carried out within a metropolitan planning area. At a minimum, a UPWP includes a description of the planning work and resulting products, who will perform the work, time frames for completing the work, the cost of the work, and the source(s) of funds.

*Update* means making current a long-range statewide transportation plan, metropolitan transportation plan, TIP, or STIP through a comprehensive review. Updates require public review and comment, a 20-year horizon for metropolitan transportation plans and long-range statewide transportation plans, a 4-year program period for TIPs and STIPs, demonstration of fiscal constraint (except for long-range statewide transportation plans), and a conformity determination (for metropolitan transportation plans and TIPs in nonattainment and maintenance areas).

*Urbanized area (UZA)* means a geographic area with a population of 50,000 or more, as designated by the Bureau of the Census.

*Users of public transportation* means any person, or groups representing such persons, who use transportation open to the general public, other than taxis and other privately funded and operated vehicles.

*Visualization techniques* means methods used by States and MPOs in the development of transportation plans and programs with the public, elected and appointed officials, and other stakeholders in a clear and easily accessible format such as GIS- or web-based surveys, inventories, maps, pictures, and/or displays identifying features such as roadway rights of way, transit, intermodal, and non-motorized transportation facilities, historic and cultural resources, natural resources, and environmentally sensitive areas, to promote improved understanding of existing or proposed transportation plans and programs.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93469, Dec. 20, 2016; 82 FR 56542, Nov. 29, 2017]

**Subpart B—Statewide and Non-metropolitan Transportation Planning and Programming**

**§ 450.200 Purpose.**

The purpose of this subpart is to implement the provisions of 23 U.S.C. 135, 23 U.S.C. 150, and 49 U.S.C. 5304, as amended, which require each State to carry out a continuing, cooperative, and comprehensive performance-based statewide multimodal transportation planning process, including the development of a long-range statewide transportation plan and STIP, that facilitates the safe and efficient management, operation, and development of surface transportation systems that will serve the mobility needs of people and freight (including accessible pedestrian walkways, bicycle transportation facilities, and intermodal facilities that support intercity transportation, including intercity bus facilities and commuter van pool providers) and that fosters economic growth and development within and between States and urbanized areas, and take into consideration resiliency needs while minimizing transportation-related fuel consumption and air pollution in all areas of the State, including those areas subject to the metropolitan transportation planning requirements of 23 U.S.C. 134 and 49 U.S.C. 5303.

**§ 450.202 Applicability.**

The provisions of this subpart are applicable to States and any other organizations or entities (e.g., MPOs, RTPs and public transportation operators) that are responsible for satisfying the requirements for transportation plans and programs throughout the State pursuant to 23 U.S.C. 135 and 49 U.S.C. 5304.

**§ 450.204 Definitions.**

Except as otherwise provided in subpart A of this part, terms defined in 23 U.S.C. 101(a) and 49 U.S.C. 5302 are used in this subpart as so defined.

**§ 450.206 Scope of the statewide and nonmetropolitan transportation planning process.**

(a) Each State shall carry out a continuing, cooperative, and comprehensive statewide transportation planning

process that provides for consideration and implementation of projects, strategies, and services that will address the following factors:

(1) Support the economic vitality of the United States, the States, metropolitan areas, and nonmetropolitan areas, especially by enabling global competitiveness, productivity, and efficiency;

(2) Increase the safety of the transportation system for motorized and non-motorized users;

(3) Increase the security of the transportation system for motorized and non-motorized users;

(4) Increase accessibility and mobility of people and freight;

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

(6) Enhance the integration and connectivity of the transportation system, across and between modes throughout the State, for people and freight;

(7) Promote efficient system management and operation;

(8) Emphasize the preservation of the existing transportation system;

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

(10) Enhance travel and tourism.

(b) Consideration of the planning factors in paragraph (a) of this section shall be reflected, as appropriate, in the statewide transportation planning process. The degree of consideration and analysis of the factors should be based on the scale and complexity of many issues, including transportation systems development, land use, employment, economic development, human and natural environment (including Section 4(f) properties as defined in 23 CFR 774.17), and housing and community development.

(c) *Performance-based approach.* (1) The statewide transportation planning process shall provide for the establishment and use of a performance-based approach to transportation decision-making to support the national goals



described in 23 U.S.C. 150(b) and the general purposes described in 49 U.S.C. 5301.

(2) Each State shall select and establish performance targets in coordination with the relevant MPOs to ensure consistency to the maximum extent practicable. The targets shall address the performance areas described in 23 U.S.C. 150(c), and the measures established under 23 CFR part 490, where applicable, to use in tracking progress toward attainment of critical outcomes for the State. States shall establish performance targets that reflect the measures identified in 23 U.S.C. 150(c) not later than 1 year after the effective date of the DOT final rule on performance measures. Each State shall select and establish targets under this paragraph in accordance with the appropriate target setting framework established at 23 CFR part 490.

(3) In areas not represented by an MPO, the selection of public transportation performance targets by a State shall be coordinated, to the maximum extent practicable, with providers of public transportation to ensure consistency with the performance targets that public transportation providers establish under 49 U.S.C. 5326(c) and 49 U.S.C. 5329(d).

(4) A State shall integrate into the statewide transportation planning process, directly or by reference, the goals, objectives, performance measures, and targets described in this section, in other State transportation plans and transportation processes, as well as any plans developed pursuant to chapter 53 of title 49 by providers of public transportation in areas not represented by an MPO required as part of a performance-based program. Examples of such plans and processes include the HSIP, SHSP, the State Asset Management Plan for the National Highway System (NHS), the State Freight Plan (if the State has one), the Transit Asset Management Plan, and the Public Transportation Agency Safety Plan.

(5) A State shall consider the performance measures and targets established under this paragraph when developing policies, programs, and investment priorities reflected in the long-range statewide transportation

plan and statewide transportation improvement program.

(d) The failure to consider any factor specified in paragraph (a) or (c) of this section shall not be subject to review by any court under title 23 U.S.C., 49 U.S.C. Chapter 53, subchapter II of title 5 U.S.C. Chapter 5, or title 5 U.S.C. Chapter 7 in any matter affecting a long-range statewide transportation plan, STIP, project or strategy, or the statewide transportation planning process findings.

(e) Funds provided under 23 U.S.C. 505 and 49 U.S.C. 5305(e) are available to the State to accomplish activities described in this subpart. At the State's option, funds provided under 23 U.S.C. 104(b)(2) and 49 U.S.C. 5307, 5310, and 5311 may also be used for statewide transportation planning. A State shall document statewide transportation planning activities performed with funds provided under title 23 U.S.C. and title 49 U.S.C. Chapter 53 in a statewide planning work program in accordance with the provisions of 23 CFR part 420. The work program should include a discussion of the transportation planning priorities facing the State.

**§ 450.208 Coordination of planning process activities.**

(a) In carrying out the statewide transportation planning process, each State shall, at a minimum:

(1) Coordinate planning carried out under this subpart with the metropolitan transportation planning activities carried out under subpart C of this part for metropolitan areas of the State. The State is encouraged to rely on information, studies, or analyses provided by MPOs for portions of the transportation system located in metropolitan planning areas;

(2) Coordinate planning carried out under this subpart with statewide trade and economic development planning activities and related multistate planning efforts;

(3) Consider the concerns of Federal land management agencies that have jurisdiction over land within the boundaries of the State;

(4) Cooperate with affected local elected and appointed officials with responsibilities for transportation, or, if applicable, through RTPOs described in

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section 450.210(d) in nonmetropolitan areas;

(5) Consider the concerns of Indian Tribal governments that have jurisdiction over land within the boundaries of the State;

(6) Consider related planning activities being conducted outside of metropolitan planning areas and between States; and

(7) Coordinate data collection and analyses with MPOs and public transportation operators to support statewide transportation planning and programming priorities and decisions.

(b) The State air quality agency shall coordinate with the State department of transportation (State DOT) to develop the transportation portion of the State Implementation Plan (SIP) consistent with the Clean Air Act (42 U.S.C. 7401 *et seq.*).

(c) Two or more States may enter into agreements or compacts, not in conflict with any law of the United States, for cooperative efforts and mutual assistance in support of activities under this subpart related to interstate areas and localities in the States and establishing authorities the States consider desirable for making the agreements and compacts effective. The right to alter, amend, or repeal interstate compacts entered into under this part is expressly reserved.

(d) States may use any one or more of the management systems (in whole or in part) described in 23 CFR part 500.

(e) In carrying out the statewide transportation planning process, States should apply asset management principles and techniques consistent with the State Asset Management Plan for the NHS and the Transit Asset Management Plan, and Public Transportation Agency Safety Plan in establishing planning goals, defining STIP priorities, and assessing transportation investment decisions, including transportation system safety, operations, preservation, and maintenance.

(f) For non-NHS highways, States may apply principles and techniques consistent with other asset management plans to the transportation planning and programming processes, as appropriate.

(g) The statewide transportation planning process shall (to the maximum extent practicable) be consistent with the development of applicable regional intelligent transportation systems (ITS) architectures, as defined in 23 CFR part 940.

imum extent practicable) be consistent with the development of applicable regional intelligent transportation systems (ITS) architectures, as defined in 23 CFR part 940.

(h) Preparation of the coordinated public transit-human services transportation plan, as required by 49 U.S.C. 5310, should be coordinated and consistent with the statewide transportation planning process.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93469, Dec. 20, 2016; 82 FR 56542, Nov. 29, 2017]

### § 450.210 Interested parties, public involvement, and consultation.

(a) In carrying out the statewide transportation planning process, including development of the long-range statewide transportation plan and the STIP, the State shall develop and use a documented public involvement process that provides opportunities for public review and comment at key decision points.

(1) The State's public involvement process at a minimum shall:

(i) Establish early and continuous public involvement opportunities that provide timely information about transportation issues and decision-making processes to individuals, affected public agencies, representatives of public transportation employees, public ports, freight shippers, private providers of transportation (including intercity bus operators), representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, providers of freight transportation services, and other interested parties;

(ii) Provide reasonable public access to technical and policy information used in the development of the long-range statewide transportation plan and the STIP;

(iii) Provide adequate public notice of public involvement activities and time for public review and comment at key decision points, including a reasonable opportunity to comment on the proposed long-range statewide transportation plan and STIP;

(iv) To the maximum extent practicable, ensure that public meetings

are held at convenient and accessible locations and times;

(v) To the maximum extent practicable, use visualization techniques to describe the proposed long-range statewide transportation plan and supporting studies;

(vi) To the maximum extent practicable, make public information available in electronically accessible format and means, such as the World Wide Web, as appropriate to afford reasonable opportunity for consideration of public information;

(vii) Demonstrate explicit consideration and response to public input during the development of the long-range statewide transportation plan and STIP;

(viii) Include a process for seeking out and considering the needs of those traditionally underserved by existing transportation systems, such as low-income and minority households, who may face challenges accessing employment and other services; and

(ix) Provide for the periodic review of the effectiveness of the public involvement process to ensure that the process provides full and open access to all interested parties and revise the process, as appropriate.

(2) The State shall provide for public comment on existing and proposed processes for public involvement in the development of the long-range statewide transportation plan and the STIP. At a minimum, the State shall allow 45 calendar days for public review and written comment before the procedures and any major revisions to existing procedures are adopted. The State shall provide copies of the approved public involvement process document(s) to the FHWA and the FTA for informational purposes.

(3) With respect to the setting of targets, nothing in this part precludes a State from considering comments made as part of the State's public involvement process.

(b) The State shall provide for nonmetropolitan local official participation in the development of the long-range statewide transportation plan and the STIP. The State shall have a documented process(es) for cooperating with nonmetropolitan local officials representing units of general purpose

local government and/or local officials with responsibility for transportation that is separate and discrete from the public involvement process and provides an opportunity for their participation in the development of the long-range statewide transportation plan and the STIP. Although the FHWA and the FTA shall not review or approve this cooperative process(es), the State shall provide copies of the process document(s) to the FHWA and the FTA for informational purposes.

(1) At least once every 5 years, the State shall review and solicit comments from nonmetropolitan local officials and other interested parties for a period of not less than 60 calendar days regarding the effectiveness of the cooperative process and any proposed changes. The State shall direct a specific request for comments to the State association of counties, State municipal league, regional planning agencies, or directly to nonmetropolitan local officials.

(2) The State, at its discretion, is responsible for determining whether to adopt any proposed changes. If a proposed change is not adopted, the State shall make publicly available its reasons for not accepting the proposed change, including notification to nonmetropolitan local officials or their associations.

(c) For each area of the State under the jurisdiction of an Indian Tribal government, the State shall develop the long-range statewide transportation plan and STIP in consultation with the Tribal government and the Secretary of the Interior. States shall, to the extent practicable, develop a documented process(es) that outlines roles, responsibilities, and key decision points for consulting with Indian Tribal governments and Department of the Interior in the development of the long-range statewide transportation plan and the STIP.

(d) To carry out the transportation planning process required by this section, a Governor may establish and designate RTPOs to enhance the planning, coordination, and implementation of the long-range statewide transportation plan and STIP, with an emphasis on addressing the needs of nonmetropolitan areas of the State. In

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order to be treated as an RTPO for purposes of this Part, any existing regional planning organization must be established and designated as an RTPO under this section.

(1) Where established, an RTPO shall be a multijurisdictional organization of nonmetropolitan local officials or their designees who volunteer for such organization and representatives of local transportation systems who volunteer for such organization.

(2) An RTPO shall establish, at a minimum:

(i) A policy committee, the majority of which shall consist of nonmetropolitan local officials, or their designees, and, as appropriate, additional representatives from the State, private business, transportation service providers, economic development practitioners, and the public in the region; and

(ii) A fiscal and administrative agent, such as an existing regional planning and development organization, to provide professional planning, management, and administrative support.

(3) The duties of an RTPO shall include:

(i) Developing and maintaining, in cooperation with the State, regional long-range multimodal transportation plans;

(ii) Developing a regional TIP for consideration by the State;

(iii) Fostering the coordination of local planning, land use, and economic development plans with State, regional, and local transportation plans and programs;

(iv) Providing technical assistance to local officials;

(v) Participating in national, multistate, and State policy and planning development processes to ensure the regional and local input of nonmetropolitan areas;

(vi) Providing a forum for public participation in the statewide and regional transportation planning processes;

(vii) Considering and sharing plans and programs with neighboring RTPOs, MPOs, and, where appropriate, Indian Tribal Governments; and

(viii) Conducting other duties, as necessary, to support and enhance the

statewide planning process under § 450.206.

(4) If a State chooses not to establish or designate an RTPO, the State shall consult with affected nonmetropolitan local officials to determine projects that may be of regional significance.

### § 450.212 Transportation planning studies and project development.

(a) Pursuant to section 1308 of the Transportation Equity Act for the 21st Century, TEA–21 (Pub. L. 105–178), a State(s), MPO(s), or public transportation operator(s) may undertake a multimodal, systems-level corridor or subarea planning study as part of the statewide transportation planning process. To the extent practicable, development of these transportation planning studies shall involve consultation with, or joint efforts among, the State(s), MPO(s), and/or public transportation operator(s). The results or decisions of these transportation planning studies may be used as part of the overall project development process consistent with the National Environmental Policy Act (NEPA) of 1969 (42 U.S.C. 4321 *et seq.*) and associated implementing regulations (23 CFR part 771 and 40 CFR parts 1500–1508). Specifically, these corridor or subarea studies may result in producing any of the following for a proposed transportation project:

(1) Purpose and need or goals and objective statement(s);

(2) General travel corridor and/or general mode(s) definition (e.g., highway, transit, or a highway/transit combination);

(3) Preliminary screening of alternatives and elimination of unreasonable alternatives;

(4) Basic description of the environmental setting; and/or

(5) Preliminary identification of environmental impacts and environmental mitigation.

(b) Publicly available documents or other source material produced by, or in support of, the transportation planning process described in this subpart may be incorporated directly or by reference into subsequent NEPA documents, in accordance with 40 CFR 1502.21, if:

(1) The NEPA lead agencies agree that such incorporation will aid in establishing or evaluating the purpose and need for the Federal action, reasonable alternatives, cumulative or other impacts on the human and natural environment, or mitigation of these impacts; and

(2) The systems-level, corridor, or subarea planning study is conducted with:

(i) Involvement of interested State, local, Tribal, and Federal agencies;

(ii) Public review;

(iii) Reasonable opportunity to comment during the statewide transportation planning process and development of the corridor or subarea planning study;

(iv) Documentation of relevant decisions in a form that is identifiable and available for review during the NEPA scoping process and can be appended to or referenced in the NEPA document; and

(v) The review of the FHWA and the FTA, as appropriate.

(c) By agreement of the NEPA lead agencies, the above integration may be accomplished through tiering (as described in 40 CFR 1502.20), incorporating the subarea or corridor planning study into the draft Environmental Impact Statement or Environmental Assessment, or other means that the NEPA lead agencies deem appropriate. Additional information to further explain the linkages between the transportation planning and project development/NEPA processes is contained in Appendix A to this part, including an explanation that is non-binding guidance material. The guidance in Appendix A applies only to paragraphs (a)–(c) in this section.

(d) In addition to the process for incorporation directly or by reference outlined in paragraph (b) of this section, an additional authority for integrating planning products into the environmental review process exists in 23 U.S.C. 168. As provided in 23 U.S.C. 168(f):

(1) The statutory authority in 23 U.S.C. 168 shall not be construed to limit in any way the continued use of processes established under other parts of this section or under an authority established outside this part, and the

use of one of the processes in this section does not preclude the subsequent use of another process in this section or an authority outside of this part.

(2) The statute does not restrict the initiation of the environmental review process during planning.

#### § 450.214 Development of programmatic mitigation plans.

(a) A State may utilize the optional framework in this section to develop programmatic mitigation plans as part of the statewide transportation planning process to address the potential environmental impacts of future transportation projects. The State in consultation with FHWA and/or FTA and with the agency or agencies with jurisdiction and special expertise over the resources being addressed in the plan, will determine:

(1) *Scope.* (i) A State may develop a programmatic mitigation plan on a local, regional, ecosystem, watershed, statewide or similar scale.

(ii) The plan may encompass multiple environmental resources within a defined geographic area(s) or may focus on a specific type(s) of resource(s) such as aquatic resources, parkland, or wildlife habitat.

(iii) The plan may address or consider impacts from all projects in a defined geographic area(s) or may focus on a specific type(s) of project(s).

(2) *Contents.* The programmatic mitigation plan may include:

(i) An assessment of the existing condition of natural and human environmental resources within the area covered by the plan, including an assessment of historic and recent trends and/or any potential threats to those resources.

(ii) An identification of economic, social, and natural and human environmental resources within the geographic area that may be impacted and considered for mitigation. Examples of these resources include wetlands, streams, rivers, stormwater, parklands, cultural resources, historic resources, farmlands, archeological resources, threatened or endangered species, and critical habitat. This may include the identification of areas of high conservation concern or value, and thus worthy of avoidance.

(iii) An inventory of existing or planned environmental resource banks for the impacted resource categories such as wetland, stream, stormwater, habitat, species, and an inventory of federally, State, or locally approved in-lieu-of-fee programs.

(iv) An assessment of potential opportunities to improve the overall quality of the identified environmental resources through strategic mitigation for impacts of transportation projects, which may include the prioritization of parcels or areas for acquisition and/or potential resource banking sites.

(v) An adoption or development of standard measures or operating procedures for mitigating certain types of impacts; establishment of parameters for determining or calculating appropriate mitigation for certain types of impacts, such as mitigation ratios, or criteria for determining appropriate mitigation sites.

(vi) Adaptive management procedures, such as protocols or procedures that involve monitoring actual impacts against predicted impacts over time and adjusting mitigation measures in response to information gathered through the monitoring.

(vii) Acknowledgment of specific statutory or regulatory requirements that must be satisfied when determining appropriate mitigation for certain types of resources.

(b) A State may adopt a programmatic mitigation plan developed pursuant to paragraph (a), or developed pursuant to an alternative process as provided for in paragraph (f) of this section through the following process:

(1) Consult with each agency with jurisdiction over the environmental resources considered in the programmatic mitigation plan;

(2) Make available a draft of the programmatic mitigation plan for review and comment by appropriate environmental resource agencies and the public;

(3) Consider comments received from such agencies and the public on the draft plan; and

(4) Address such comments in the final programmatic mitigation plan.

(c) A State may integrate a programmatic mitigation plan with other plans, including, watershed plans, eco-

system plans, species recovery plans, growth management plans, State Wildlife Action Plans, and land use plans.

(d) If a programmatic mitigation plan has been adopted pursuant to paragraph (b), any Federal agency responsible for environmental reviews, permits, or approvals for a transportation project shall give substantial weight to the recommendations in the programmatic mitigation plan when carrying out its responsibilities under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 *et seq.*) (NEPA) or other Federal environmental law.

(e) Nothing in this section limits the use of programmatic approaches for reviews under NEPA.

(f) Nothing in this section prohibits the development, as part of or separate from the transportation planning process, of a programmatic mitigation plan independent of the framework described in paragraph (a) of this section. Further, nothing in this section prohibits the adoption of a programmatic mitigation plan in the statewide and nonmetropolitan transportation planning process that was developed under another authority, independent of the framework described in paragraph (a).

**§ 450.216 Development and content of the long-range statewide transportation plan.**

(a) The State shall develop a long-range statewide transportation plan, with a minimum 20-year forecast period at the time of adoption, that provides for the development and implementation of the multimodal transportation system for the State. The long-range statewide transportation plan shall consider and include, as applicable, elements and connections between public transportation, non-motorized modes, rail, commercial motor vehicle, waterway, and aviation facilities, particularly with respect to intercity travel.

(b) The long-range statewide transportation plan should include capital, operations and management strategies, investments, procedures, and other measures to ensure the preservation and most efficient use of the existing transportation system including consideration of the role that intercity buses may play in reducing congestion,

pollution, and energy consumption in a cost-effective manner and strategies and investments that preserve and enhance intercity bus systems, including systems that are privately owned and operated. The long-range statewide transportation plan may consider projects and strategies that address areas or corridors where current or projected congestion threatens the efficient functioning of key elements of the State's transportation system.

(c) The long-range statewide transportation plan shall reference, summarize, or contain any applicable short-range planning studies; strategic planning and/or policy studies; transportation needs studies; management systems reports; emergency relief and disaster preparedness plans; and any statements of policies, goals, and objectives on issues (e.g., transportation, safety, economic development, social and environmental effects, or energy), as appropriate, that were relevant to the development of the long-range statewide transportation plan.

(d) The long-range statewide transportation plan should integrate the priorities, goals, countermeasures, strategies, or projects contained in the HSIP, including the SHSP, required under 23 U.S.C. 148, the Public Transportation Agency Safety Plan required under 49 U.S.C. 5329(d), or an Interim Agency Safety Plan in accordance with 49 CFR part 659, as in effect until completion of the Public Transportation Agency Safety Plan.

(e) The long-range statewide transportation plan should include a security element that incorporates or summarizes the priorities, goals, or projects set forth in other transit safety and security planning and review processes, plans, and programs, as appropriate.

(f) The statewide transportation plan shall include:

(1) A description of the performance measures and performance targets used in assessing the performance of the transportation system in accordance with § 450.206(c); and

(2) A system performance report and subsequent updates evaluating the condition and performance of the transportation system with respect to the performance targets described in

§ 450.206(c), including progress achieved by the MPO(s) in meeting the performance targets in comparison with system performance recorded in previous reports.

(g) Within each metropolitan area of the State, the State shall develop the long-range statewide transportation plan in cooperation with the affected MPOs.

(h) For nonmetropolitan areas, the State shall develop the long-range statewide transportation plan in cooperation with affected nonmetropolitan local officials with responsibility for transportation or, if applicable, through RTPOs described in § 450.210(d) using the State's cooperative process(es) established under § 450.210(b).

(i) For each area of the State under the jurisdiction of an Indian Tribal government, the State shall develop the long-range statewide transportation plan in consultation with the Tribal government and the Secretary of the Interior consistent with § 450.210(c).

(j) The State shall develop the long-range statewide transportation plan, as appropriate, in consultation with State, Tribal, and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation. This consultation shall involve comparison of transportation plans to State and Tribal conservation plans or maps, if available, and comparison of transportation plans to inventories of natural or historic resources, if available.

(k) A long-range statewide transportation plan shall include a discussion of potential environmental mitigation activities and potential areas to carry out these activities, including activities that may have the greatest potential to restore and maintain the environmental functions affected by the long-range statewide transportation plan. The discussion may focus on policies, programs, or strategies, rather than at the project level. The State shall develop the discussion in consultation with applicable Federal, State, regional, local and Tribal land management, wildlife, and regulatory

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agencies. The State may establish reasonable timeframes for performing this consultation.

(1) In developing and updating the long-range statewide transportation plan, the State shall provide:

(1) To nonmetropolitan local elected officials, or, if applicable, through RTPOs described in § 450.210(d), an opportunity to participate in accordance with § 450.216(h); and

(2) To individuals, affected public agencies, representatives of public transportation employees, public ports, freight shippers, private providers of transportation (including intercity bus operators, employer-based cash-out program, shuttle program, or telework program), representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, providers of freight transportation services, and other interested parties with a reasonable opportunity to comment on the proposed long-range statewide transportation plan. In carrying out these requirements, the State shall use the public involvement process described under § 450.210(a).

(m) The long-range statewide transportation plan may include a financial plan that demonstrates how the adopted long-range statewide transportation plan can be implemented, indicates resources from public and private sources that are reasonably expected to be made available to carry out the plan, and recommends any additional financing strategies for needed projects and programs. In addition, for illustrative purposes, the financial plan may include additional projects that the State would include in the adopted long-range statewide transportation plan if additional resources beyond those identified in the financial plan were to become available. The financial plan may include an assessment of the appropriateness of innovative finance techniques (for example, tolling, pricing, bonding, public-private partnerships, or other strategies) as revenue sources.

(n) The State is not required to select any project from the illustrative list of additional projects included in the fi-

nancial plan described in paragraph (m) of this section.

(o) The State shall publish or otherwise make available the long-range statewide transportation plan for public review, including (to the maximum extent practicable) in electronically accessible formats and means, such as the World Wide Web, as described in § 450.210(a).

(p) The State shall continually evaluate, revise, and periodically update the long-range statewide transportation plan, as appropriate, using the procedures in this section for development and establishment of the long-range statewide transportation plan.

(q) The State shall provide copies of any new or amended long-range statewide transportation plan documents to the FHWA and the FTA for informational purposes.

### **§ 450.218 Development and content of the statewide transportation improvement program (STIP).**

(a) The State shall develop a statewide transportation improvement program (STIP) for all areas of the State. The STIP shall cover a period of no less than 4 years and shall be updated at least every 4 years, or more frequently if the Governor of the State elects a more frequent update cycle. However, if the STIP covers more than 4 years, the FHWA and the FTA will consider the projects in the additional years as informational. In case of difficulties developing a portion of the STIP for a particular area (e.g., metropolitan planning area, nonattainment or maintenance area, or Indian Tribal lands), the State may develop a partial STIP covering the rest of the State.

(b) For each metropolitan area in the State, the State shall develop the STIP in cooperation with the MPO designated for the metropolitan area. The State shall include each metropolitan TIP without change in the STIP, directly or by reference, after approval of the TIP by the MPO and the Governor. A metropolitan TIP in a nonattainment or maintenance area is subject to a FHWA/FTA conformity finding before inclusion in the STIP. In areas outside a metropolitan planning area but within an air quality nonattainment or maintenance area containing any part



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of a metropolitan area, projects must be included in the regional emissions analysis that supported the conformity determination of the associated metropolitan TIP before they are added to the STIP.

(c) For each nonmetropolitan area in the State, the State shall develop the STIP in cooperation with affected non-metropolitan local officials with responsibility for transportation or, if applicable, through RTPOs described in § 450.210(d) using the State's consultation process(es) established under § 450.210(b).

(d) For each area of the State under the jurisdiction of an Indian Tribal government, the STIP shall be developed in consultation with the Tribal government and the Secretary of the Interior.

(e) Tribal Transportation Program, Federal Lands Transportation Program, and Federal Lands Access Program TIPs shall be included without change in the STIP, directly or by reference, once approved by the FHWA pursuant to 23 U.S.C. 201(c)(4).

(f) The Governor shall provide all interested parties with a reasonable opportunity to comment on the proposed STIP as required by § 450.210(a).

(g) The STIP shall include capital and non-capital surface transportation projects (or phases of projects) within the boundaries of the State proposed for funding under title 23 U.S.C. and title 49 U.S.C. Chapter 53 (including transportation alternatives and associated transit improvements; Tribal Transportation Program projects, Federal Lands Transportation Program projects, and Federal Lands Access Program projects; HSIP projects; trails projects; and accessible pedestrian walkways and bicycle facilities), except the following that may be included:

(1) Safety projects funded under 23 U.S.C. 402 and 49 U.S.C. 31102;

(2) Metropolitan planning projects funded under 23 U.S.C. 104(d) and 49 U.S.C. 5305(d);

(3) State planning and research projects funded under 23 U.S.C. 505 and 49 U.S.C. 5305(e);

(4) State planning and research projects funded with Surface Transportation Program funds;

(5) Emergency relief projects (except those involving substantial functional, locational, or capacity changes);

(6) Research, development, demonstration, and deployment projects funded under 49 U.S.C. 5312, and technical assistance and standards development projects funded under 49 U.S.C. 5314;

(7) Project management oversight projects funded under 49 U.S.C. 5327; and

(8) State safety oversight programs funded under 49 U.S.C. 5329.

(h) The STIP shall contain all regionally significant projects requiring an action by the FHWA or the FTA whether or not the projects are to be funded with 23 U.S.C. Chapters 1 and 2 or title 49 U.S.C. Chapter 53 funds (e.g., addition of an interchange to the Interstate System with State, local, and/or private funds, and congressionally designated projects not funded under title 23 U.S.C. or title 49 U.S.C. Chapter 53). For informational and conformity purposes, the STIP shall include (if appropriate and included in any TIPs) all regionally significant projects proposed to be funded with Federal funds other than those administered by the FHWA or the FTA, as well as all regionally significant projects to be funded with non-Federal funds.

(i) The STIP shall include for each project or phase (e.g., preliminary engineering, environment/NEPA, right-of-way, design, or construction) the following:

(1) Sufficient descriptive material (*i.e.*, type of work, termini, and length) to identify the project or phase;

(2) Estimated total project cost or a project cost range, which may extend beyond the 4 years of the STIP;

(3) The amount of Federal funds proposed to be obligated during each program year. For the first year, this includes the proposed category of Federal funds and source(s) of non-Federal funds. For the second, third, and fourth years, this includes the likely category or possible categories of Federal funds and sources of non-Federal funds; and

(4) Identification of the agencies responsible for carrying out the project or phase.

(j) Projects that are not considered to be of appropriate scale for individual

identification in a given program year may be grouped by function, work type, and/or geographic area using the applicable classifications under 23 CFR 771.117(c) and (d) and/or 40 CFR part 93. In nonattainment and maintenance areas, project classifications must be consistent with the “exempt project” classifications contained in the EPA’s transportation conformity regulations (40 CFR part 93, subpart A). In addition, projects proposed for funding under title 23 U.S.C. Chapter 2 that are not regionally significant may be grouped in one line item or identified individually in the STIP.

(k) Each project or project phase included in the STIP shall be consistent with the long-range statewide transportation plan developed under § 450.216 and, in metropolitan planning areas, consistent with an approved metropolitan transportation plan developed under § 450.324.

(l) The STIP may include a financial plan that demonstrates how the approved STIP can be implemented, indicates resources from public and private sources that are reasonably expected to be available to carry out the STIP, and recommends any additional financing strategies for needed projects and programs. In addition, for illustrative purposes, the financial plan may include additional projects that would be included in the adopted STIP if reasonable additional resources beyond those identified in the financial plan were to become available. The State is not required to select any project from the illustrative list for implementation, and projects on the illustrative list cannot be advanced to implementation without an action by the FHWA and the FTA on the STIP. Revenue and cost estimates for the STIP must use an inflation rate to reflect “year of expenditure dollars,” based on reasonable financial principles and information, developed cooperatively by the State, MPOs, and public transportation operators.

(m) In nonattainment and maintenance areas, projects included in the first 2 years of the STIP shall be limited to those for which funds are available or committed. Financial constraint of the STIP shall be demonstrated and maintained by year and

shall include sufficient financial information to demonstrate which projects are to be implemented using current and/or reasonably available revenues, while federally supported facilities are being adequately operated and maintained. In the case of proposed funding sources, strategies for ensuring their availability shall be identified in the financial plan consistent with paragraph (l) of this section. For purposes of transportation operations and maintenance, the STIP shall include financial information containing system-level estimates of costs and revenue sources that are reasonably expected to be available to adequately operate and maintain Federal-aid highways (as defined by 23 U.S.C. 101(a)(5)) and public transportation (as defined by title 49 U.S.C. 5302).

(n) Projects in any of the first 4 years of the STIP may be advanced in place of another project in the first 4 years of the STIP, subject to the project selection requirements of § 450.222. In addition, subject to FHWA/FTA approval (see § 450.220), the State may revise the STIP at any time under procedures agreed to by the State, MPO(s), and public transportation operators consistent with the STIP development procedures established in this section, as well as the procedures for participation by interested parties (see § 450.210(a)). Changes that affect fiscal constraint must take place by amendment of the STIP.

(o) The STIP shall include a project, or an identified phase of a project, only if full funding can reasonably be anticipated to be available for the project within the time period contemplated for completion of the project.

(p) In cases where the FHWA and the FTA find a STIP to be fiscally constrained, and a revenue source is subsequently removed or substantially reduced (*i.e.*, by legislative or administrative actions), the FHWA and the FTA will not withdraw the original determination of fiscal constraint. However, in such cases, the FHWA and the FTA will not act on an updated or amended STIP that does not reflect the changed revenue situation.

(q) A STIP shall include, to the maximum extent practicable, a discussion of the anticipated effect of the STIP

toward achieving the performance targets identified by the State in the statewide transportation plan or other State performance-based plan(s), linking investment priorities to those performance targets.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93470, Dec. 20, 2016; 82 FR 56543, Nov. 29, 2017]

**§ 450.220 Self-certifications, Federal findings, and Federal approvals.**

(a) At least every 4 years, the State shall submit an updated STIP concurrently to the FHWA and the FTA for joint approval. The State must also submit STIP amendments to the FHWA and the FTA for joint approval. At the time the entire proposed STIP or STIP amendments are submitted to the FHWA and the FTA for joint approval, the State shall certify that the transportation planning process is being carried out in accordance with all applicable requirements of:

(1) 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and this part;

(2) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;

(3) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;

(4) Section 1101(b) of the FAST Act (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in DOT funded projects;

(5) 23 CFR part 230, regarding implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;

(6) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) and 49 CFR parts 27, 37, and 38;

(7) In States containing nonattainment and maintenance areas, sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506(c) and (d)) and 40 CFR part 93;

(8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;

(9) 23 U.S.C. 324, regarding the prohibition of discrimination based on gender; and

(10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

(b) The FHWA and the FTA shall review the STIP or the amended STIP, and make a joint finding on the extent to which the STIP is based on a statewide transportation planning process that meets or substantially meets the requirements of 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and subparts A, B, and C of this part. Approval of the STIP by the FHWA and the FTA, in its entirety or in part, will be based upon the results of this joint finding.

(1) If the FHWA and the FTA determine that the STIP or amended STIP is based on a statewide transportation planning process that meets or substantially meets the requirements of 23 U.S.C. 135, 49 U.S.C. 5304, and this part, the FHWA and the FTA may jointly:

(i) Approve the entire STIP;

(ii) Approve the STIP subject to certain corrective actions by the State; or

(iii) Under special circumstances, approve a partial STIP covering only a portion of the State.

(2) If the FHWA and the FTA jointly determine and document in the planning finding that a submitted STIP or amended STIP does not substantially meet the requirements of 23 U.S.C. 135, 49 U.S.C. 5304, and this part for any identified categories of projects, the FHWA and the FTA will not approve the STIP.

(c) The approval period for a new or amended STIP shall not exceed 4 years. If a State demonstrates, in writing, that extenuating circumstances will delay the submittal of a new or amended STIP past its update deadline, the FHWA and the FTA will consider and take appropriate action on a request to extend the approval beyond 4 years for all or part of the STIP for a period not to exceed 180 calendar days. In these cases, priority consideration will be given to projects and strategies involving the operation and management of the multimodal transportation system. Where the request involves projects in

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a metropolitan planning area(s), the affected MPO(s) must concur in the request. If the delay was due to the development and approval of a metropolitan TIP(s), the affected MPO(s) must provide supporting information, in writing, for the request.

(d) Where necessary in order to maintain or establish highway and transit operations, the FHWA and the FTA may approve operating assistance for specific projects or programs, even though the projects or programs may not be included in an approved STIP.

### § 450.222 Project selection from the STIP.

(a) Except as provided in § 450.218(g) and § 450.220(d), only projects in a FHWA/FTA approved STIP are eligible for funds administered by the FHWA or the FTA.

(b) In metropolitan planning areas, transportation projects proposed for funds administered by the FHWA or the FTA shall be selected from the approved STIP in accordance with project selection procedures provided in § 450.332.

(c) In nonmetropolitan areas, with the exclusion of specific projects as described in this section, the State shall select projects from the approved STIP in cooperation with the affected nonmetropolitan local officials, or if applicable, through RTPOs described in § 450.210(e). The State shall select transportation projects undertaken on the NHS, under the Bridge and Interstate Maintenance programs in title 23 U.S.C. and under sections 5310 and 5311 of title 49 U.S.C. Chapter 53 from the approved STIP in consultation with the affected nonmetropolitan local officials with responsibility for transportation.

(d) Tribal Transportation Program, Federal Lands Transportation Program, and Federal Lands Access Program projects shall be selected from the approved STIP in accordance with the procedures developed pursuant to 23 U.S.C. 201, 202, 203, and 204.

(e) The projects in the first year of an approved STIP shall constitute an "agreed to" list of projects for subsequent scheduling and implementation. No further action under paragraphs (b) through (d) of this section is required

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for the implementing agency to proceed with these projects. If Federal funds available are significantly less than the authorized amounts, or where there is significant shifting of projects among years, § 450.332(a) provides for a revised list of "agreed to" projects to be developed upon the request of the State, MPO, or public transportation operator(s). If an implementing agency wishes to proceed with a project in the second, third, or fourth year of the STIP, the procedures in paragraphs (b) through (d) of this section or expedited procedures that provide for the advancement of projects from the second, third, or fourth years of the STIP may be used, if agreed to by all parties involved in the selection process.

### § 450.224 Applicability of NEPA to statewide transportation plans and programs.

Any decision by the Secretary concerning a long-range statewide transportation plan or STIP developed through the processes provided for in 23 U.S.C. 135, 49 U.S.C. 5304, and this subpart shall not be considered to be a Federal action subject to review under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 *et seq.*).

### § 450.226 Phase-in of new requirements.

(a) Prior to May 27, 2018, a State may adopt a long-range statewide transportation plan that has been developed using the SAFETEA-LU requirements or the provisions and requirements of this part. On or after May 27, 2018, a State may only adopt a long-range statewide transportation plan that it has developed according to the provisions and requirements of this part.

(b) Prior to May 27, 2018 (2 years after the publication date of this rule), FHWA/FTA may approve a STIP update or amendment that has been developed using the SAFETEA-LU requirements or the provisions and requirements of this part. On or after May 27, 2018, FHWA/FTA may only approve a STIP update or amendment that a State has developed according to the provisions and requirements of this part, regardless of when the State developed the STIP.

(c) On and after May 27, 2018 (2 years after the publication date of this rule), the FHWA and the FTA will take action on an updated or amended STIP developed under the provisions of this part, even if the State has not yet adopted a new long-range statewide transportation plan under the provisions of this part, as long as the underlying transportation planning process is consistent with the requirements in the MAP-21.

(d) On or after May 27, 2018, a State may make an administrative modification to a STIP that conforms to either the SAFETEA-LU requirements or to the provisions and requirements of this part.

(e) Two years from the effective date of each rule establishing performance measures under 23 U.S.C. 150(c), 49 U.S.C. 5326, or 49 U.S.C. 5329, FHWA/FTA will only approve an updated or amended STIP that is based on a statewide transportation planning process that meets the performance-based planning requirements in this part and in such a rule.

(f) Prior to 2 years from the effective date of each rule establishing performance measures under 23 U.S.C. 150(c), 49 U.S.C. 5326, or 49 U.S.C. 5329, a State may adopt a long-range statewide transportation plan that it has developed using the SAFETEA-LU requirements or the performance-based provisions and requirements of this part and in such a rule. Two years on or after the effective date of each rule establishing performance measures under 23 U.S.C. 150(c), 49 U.S.C. 5326, or 49 U.S.C. 5329, a State may only adopt a long-range statewide transportation plan that it has developed according to the performance-based provisions and requirements of this part and in such a rule.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93470, Dec. 20, 2016; 82 FR 56543, Nov. 29, 2017]

### Subpart C—Metropolitan Transportation Planning and Programming

#### § 450.300 Purpose.

The purposes of this subpart are to implement the provisions of 23 U.S.C.

134, 23 U.S.C. 150, and 49 U.S.C. 5303, as amended, which:

(a) Set forth the national policy that the MPO designated for each urbanized area is to carry out a continuing, cooperative, and comprehensive performance-based multimodal transportation planning process, including the development of a metropolitan transportation plan and a TIP, that encourages and promotes the safe and efficient development, management, and operation of surface transportation systems to serve the mobility needs of people and freight (including accessible pedestrian walkways, bicycle transportation facilities, and intermodal facilities that support intercity transportation, including intercity buses and intercity bus facilities and commuter vanpool providers) fosters economic growth and development, and takes into consideration resiliency needs, while minimizing transportation-related fuel consumption and air pollution; and

(b) Encourages continued development and improvement of metropolitan transportation planning processes guided by the planning factors set forth in 23 U.S.C. 134(h) and 49 U.S.C. 5303(h).

[81 FR 34135, May 27, 2016, as amended at 81 FR 93470, Dec. 20, 2016; 82 FR 56543, Nov. 29, 2017]

#### § 450.302 Applicability.

The provisions of this subpart are applicable to organizations and entities responsible for the transportation planning and programming processes in metropolitan planning areas.

#### § 450.304 Definitions.

Except as otherwise provided in subpart A of this part, terms defined in 23 U.S.C. 101(a) and 49 U.S.C. 5302 are used in this subpart as so defined.

#### § 450.306 Scope of the metropolitan transportation planning process.

(a) To accomplish the objectives in § 450.300 and § 450.306(b), metropolitan planning organizations designated under § 450.310, in cooperation with the

State and public transportation operators, shall develop long-range transportation plans and TIPs through a performance-driven, outcome-based approach to planning for metropolitan areas of the State.

(b) The metropolitan transportation planning process shall be continuous, cooperative, and comprehensive, and provide for consideration and implementation of projects, strategies, and services that will address the following factors:

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

(2) Increase the safety of the transportation system for motorized and non-motorized users;

(3) Increase the security of the transportation system for motorized and non-motorized users;

(4) Increase accessibility and mobility of people and freight;

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

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

(7) Promote efficient system management and operation;

(8) Emphasize the preservation of the existing transportation system;

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

(10) Enhance travel and tourism.

(c) Consideration of the planning factors in paragraph (b) of this section shall be reflected, as appropriate, in the metropolitan transportation planning process. The degree of consideration and analysis of the factors should be based on the scale and complexity of many issues, including transportation system development, land use, employment, economic development, human and natural environment (including Section 4(f) properties as defined in 23 CFR 774.17), and housing and community development.

(d) *Performance-based approach.* (1) The metropolitan transportation planning process shall provide for the establishment and use of a performance-based approach to transportation decisionmaking to support the national goals described in 23 U.S.C. 150(b) and the general purposes described in 49 U.S.C. 5301(c).

(2) *Establishment of performance targets by metropolitan planning organizations.*

(i) Each metropolitan planning organization shall establish performance targets that address the performance measures or standards established under 23 CFR part 490 (where applicable), 49 U.S.C. 5326(c), and 49 U.S.C. 5329(d) to use in tracking progress toward attainment of critical outcomes for the region of the metropolitan planning organization.

(ii) The selection of targets that address performance measures described in 23 U.S.C. 150(c) shall be in accordance with the appropriate target setting framework established at 23 CFR part 490, and shall be coordinated with the relevant State(s) to ensure consistency, to the maximum extent practicable.

(iii) The selection of performance targets that address performance measures described in 49 U.S.C. 5326(c) and 49 U.S.C. 5329(d) shall be coordinated, to the maximum extent practicable, with public transportation providers to ensure consistency with the performance targets that public transportation providers establish under 49 U.S.C. 5326(c) and 49 U.S.C. 5329(d).

(3) Each MPO shall establish the performance targets under paragraph (d)(2) of this section not later than 180 days after the date on which the relevant State or provider of public transportation establishes the performance targets.

(4) An MPO shall integrate in the metropolitan transportation planning process, directly or by reference, the goals, objectives, performance measures, and targets described in other State transportation plans and transportation processes, as well as any plans developed under 49 U.S.C. chapter 53 by providers of public transportation, required as part of a performance-based program including:

(i) The State asset management plan for the NHS, as defined in 23 U.S.C. 119(e) and the Transit Asset Management Plan, as discussed in 49 U.S.C. 5326;

(ii) Applicable portions of the HSIP, including the SHSP, as specified in 23 U.S.C. 148;

(iii) The Public Transportation Agency Safety Plan in 49 U.S.C. 5329(d);

(iv) Other safety and security planning and review processes, plans, and programs, as appropriate;

(v) The Congestion Mitigation and Air Quality Improvement Program performance plan in 23 U.S.C. 149(l), as applicable;

(vi) Appropriate (metropolitan) portions of the State Freight Plan (MAP-21 section 1118);

(vii) The congestion management process, as defined in 23 CFR 450.322, if applicable; and

(viii) Other State transportation plans and transportation processes required as part of a performance-based program.

(e) The failure to consider any factor specified in paragraph (b) or (d) of this section shall not be reviewable by any court under title 23 U.S.C., 49 U.S.C. Chapter 53, subchapter II of title 5, U.S.C. Chapter 5, or title 5 U.S.C. Chapter 7 in any matter affecting a metropolitan transportation plan, TIP, a project or strategy, or the certification of a metropolitan transportation planning process.

(f) An MPO shall carry out the metropolitan transportation planning process in coordination with the state-wide transportation planning process required by 23 U.S.C. 135 and 49 U.S.C. 5304.

(g) The metropolitan transportation planning process shall (to the maximum extent practicable) be consistent with the development of applicable regional intelligent transportation systems (ITS) architectures, as defined in 23 CFR part 940.

(h) Preparation of the coordinated public transit-human services transportation plan, as required by 49 U.S.C. 5310, should be coordinated and consistent with the metropolitan transportation planning process.

(i) In an urbanized area not designated as a TMA that is an air quality

attainment area, the MPO(s) may propose and submit to the FHWA and the FTA for approval a procedure for developing an abbreviated metropolitan transportation plan and TIP. In developing proposed simplified planning procedures, consideration shall be given to whether the abbreviated metropolitan transportation plan and TIP will achieve the purposes of 23 U.S.C. 134, 49 U.S.C. 5303, and this part, taking into account the complexity of the transportation problems in the area. The MPO shall develop simplified procedures in cooperation with the State(s) and public transportation operator(s).

[81 FR 34135, May 27, 2016, as amended at 81 FR 93470, Dec. 20, 2016; 82 FR 56543, Nov. 29, 2017]

**§ 450.308 Funding for transportation planning and unified planning work programs.**

(a) Funds provided under 23 U.S.C. 104(d), 49 U.S.C. 5305(d), and 49 U.S.C. 5307, are available to MPOs to accomplish activities described in this subpart. At the State's option, funds provided under 23 U.S.C. 104(b)(2) and 23 U.S.C. 505 may also be provided to MPOs for metropolitan transportation planning. At the option of the State and operators of public transportation, funds provided under 49 U.S.C. 5305(e) may also be provided to MPOs for activities that support metropolitan transportation planning. In addition, an MPO serving an urbanized area with a population over 200,000, as designated by the Bureau of the Census, may at its discretion use funds sub-allocated under 23 U.S.C. 133(d)(4) for metropolitan transportation planning activities.

(b) An MPO shall document metropolitan transportation planning activities performed with funds provided under title 23 U.S.C. and title 49 U.S.C. Chapter 53 in a unified planning work program (UPWP) or simplified statement of work in accordance with the provisions of this section and 23 CFR part 420.

(c) Except as provided in paragraph (d) of this section, each MPO, in cooperation with the State(s) and public transportation operator(s), shall develop a UPWP that includes a discussion of the planning priorities facing the MPA. The UPWP shall identify

work proposed for the next 1- or 2-year period by major activity and task (including activities that address the planning factors in § 450.306(b)), 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.

(d) With the prior approval of the State and the FHWA and the FTA, an MPO in an area not designated as a TMA may prepare a simplified statement of work, in cooperation with the State(s) and the public transportation operator(s), in lieu of a UPWP. A simplified statement of work shall include a description of the major activities to be performed during the next 1- or 2-year period, who (e.g., State, MPO, public transportation operator, local government, or consultant) will perform the work, the resulting products, and a summary of the total amounts and sources of Federal and matching funds. If a simplified statement of work is used, it may be submitted as part of the State's planning work program, in accordance with 23 CFR part 420.

(e) Arrangements may be made with the FHWA and the FTA to combine the UPWP or simplified statement of work with the work program(s) for other Federal planning funds.

(f) Administrative requirements for UPWPs and simplified statements of work are contained in 23 CFR part 420 and FTA Circular C8100, as amended (Program Guidance for Metropolitan Planning and State Planning and Research Program Grants).

**§ 450.310 Metropolitan planning organization designation and redesignation.**

(a) To carry out the metropolitan transportation planning process under this subpart, an MPO shall be designated for each urbanized area with a population of more than 50,000 individuals (as determined by the Bureau of the Census).

(b) MPO designation shall be made by agreement between the Governor and units of general purpose local govern-

ment that together represent at least 75 percent of the affected population (including the largest incorporated city, based on population, as named by the Bureau of the Census) or in accordance with procedures established by applicable State or local law.

(c) The FHWA and the FTA shall identify as a TMA each urbanized area with a population of over 200,000 individuals, as defined by the Bureau of the Census. The FHWA and the FTA shall also designate any urbanized area as a TMA on the request of the Governor and the MPO designated for that area.

(d) TMA structure:

(1) Not later than October 1, 2014, each metropolitan planning organization that serves a designated TMA shall consist of:

(i) Local elected officials;

(ii) Officials of public agencies that administer or operate major modes of transportation in the metropolitan area, including representation by providers of public transportation; and

(iii) Appropriate State officials.

(2) An MPO may be restructured to meet the requirements of this paragraph (d) without undertaking a redesignation.

(3) *Representation.* (i) Designation or selection of officials or representatives under paragraph (d)(1) of this section shall be determined by the MPO according to the bylaws or enabling statute of the organization.

(ii) Subject to the bylaws or enabling statute of the MPO, a representative of a provider of public transportation may also serve as a representative of a local municipality.

(iii) An official described in paragraph (d)(1)(ii) shall have responsibilities, actions, duties, voting rights, and any other authority commensurate with other officials described in paragraph (d)(1) of this section.

(4) Nothing in this section shall be construed to interfere with the authority, under any State law in effect on December 18, 1991, of a public agency with multimodal transportation responsibilities—

(i) To develop the plans and TIPs for adoption by an MPO; and

(ii) To develop long-range capital plans, coordinate transit services and



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projects, and carry out other activities pursuant to State law.

(e) To the extent possible, only one MPO shall be designated for each urbanized area or group of contiguous urbanized areas. More than one MPO may be designated to serve an urbanized area only if the Governor(s) and the existing MPO, if applicable, determine that the size and complexity of the urbanized area make designation of more than one MPO appropriate. In those cases where two or more MPOs serve the same urbanized area, the MPOs shall establish official, written agreements that clearly identify areas of coordination, and the division of transportation planning responsibilities among the MPOs.

(f) Nothing in this subpart shall be deemed to prohibit an MPO from using the staff resources of other agencies, non-profit organizations, or contractors to carry out selected elements of the metropolitan transportation planning process.

(g) An MPO designation shall remain in effect until an official redesignation has been made in accordance with this section.

(h) An existing MPO may be redesignated only by agreement between the Governor and units of general purpose local government that together represent at least 75 percent of the existing metropolitan planning area population (including the largest incorporated city, based on population, as named by the Bureau of the Census).

(i) For the purposes of redesignation, units of general purpose local government may be defined as elected officials from each unit of general purpose local government located within the metropolitan planning area served by the existing MPO.

(j) Redesignation of an MPO (in accordance with the provisions of this section) is required whenever the existing MPO proposes to make:

(1) A substantial change in the proportion of voting members on the existing MPO representing the largest incorporated city, other units of general purpose local government served by the MPO, and the State(s); or

(2) A substantial change in the decisionmaking authority or responsibility of the MPO, or in decisionmaking pro-

cedures established under MPO by-laws.

(k) Redesignation of an MPO serving a multistate metropolitan planning area requires agreement between the Governors of each State served by the existing MPO and units of general purpose local government that together represent at least 75 percent of the existing metropolitan planning area population (including the largest incorporated city, based on population, as named by the Bureau of the Census).

(1) The following changes to an MPO do not require a redesignation (as long as they do not trigger a substantial change as described in paragraph (j) of this section):

(1) The identification of a new urbanized area (as determined by the Bureau of the Census) within an existing metropolitan planning area;

(2) Adding members to the MPO that represent new units of general purpose local government resulting from expansion of the metropolitan planning area;

(3) Adding members to satisfy the specific membership requirements described in paragraph (d) of this section for an MPO that serves a TMA; or

(4) Periodic rotation of members representing units of general-purpose local government, as established under MPO by-laws.

(m) Each Governor with responsibility for a portion of a multistate metropolitan area and the appropriate MPOs shall, to the extent practicable, provide coordinated transportation planning for the entire MPA. The consent of Congress is granted to any two or more States to:

(1) Enter into agreements or compacts, not in conflict with any law of the United States, for cooperative efforts and mutual assistance in support of activities authorized under 23 U.S.C. 134 and 49 U.S.C. 5303 as the activities pertain to interstate areas and localities within the States; and

(2) Establish such agencies, joint or otherwise, as the States may determine desirable for making the agreements and compacts effective.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93470, Dec. 20, 2016; 82 FR 56543, Nov. 29, 2017]

**§ 450.312 Metropolitan Planning Area boundaries.**

(a) The boundaries of a metropolitan planning area (MPA) shall be determined by agreement between the MPO and the Governor.

(1) At a minimum, the MPA boundaries shall encompass the entire existing urbanized area (as defined by the Bureau of the Census) plus the contiguous area expected to become urbanized within a 20-year forecast period for the metropolitan transportation plan.

(2) The MPA boundaries may be further expanded to encompass the entire metropolitan statistical area or combined statistical area, as defined by the Office of Management and Budget.

(b) An MPO that serves an urbanized area designated as a nonattainment area for ozone or carbon monoxide under the Clean Air Act (42 U.S.C. 7401 *et seq.*) as of August 10, 2005, shall retain the MPA boundary that existed on August 10, 2005. The MPA boundaries for such MPOs may only be adjusted by agreement of the Governor and the affected MPO in accordance with the redesignation procedures described in § 450.310(h). The MPA boundary for an MPO that serves an urbanized area designated as a nonattainment area for ozone or carbon monoxide under the Clean Air Act (42 U.S.C. 7401 *et seq.*) after August 10, 2005, may be established to coincide with the designated boundaries of the ozone and/or carbon monoxide nonattainment area, in accordance with the requirements in § 450.310(b).

(c) An MPA boundary may encompass more than one urbanized area.

(d) MPA boundaries may be established to coincide with the geography of regional economic development and growth forecasting areas.

(e) Identification of new urbanized areas within an existing metropolitan planning area by the Bureau of the Census shall not require redesignation of the existing MPO.

(f) Where the boundaries of the urbanized area or MPA extend across two or more States, the Governors with responsibility for a portion of the multistate area, the appropriate MPO(s), and the public transportation operator(s) are strongly encouraged to

coordinate transportation planning for the entire multistate area.

(g) The MPA boundaries shall not overlap with each other.

(h) Where part of an urbanized area served by one MPO extends into an adjacent MPA, the MPOs shall, at a minimum, establish written agreements that clearly identify areas of coordination and the division of transportation planning responsibilities among and between the MPOs. Alternatively, the MPOs may adjust their existing boundaries so that the entire urbanized area lies within only one MPA. Boundary adjustments that change the composition of the MPO may require redesignation of one or more such MPOs.

(i) The MPO (in cooperation with the State and public transportation operator(s)) shall review the MPA boundaries after each Census to determine if existing MPA boundaries meet the minimum statutory requirements for new and updated urbanized area(s), and shall adjust them as necessary. As appropriate, additional adjustments should be made to reflect the most comprehensive boundary to foster an effective planning process that ensures connectivity between modes, improves access to modal systems, and promotes efficient overall transportation investment strategies.

(j) Following MPA boundary approval by the MPO and the Governor, the MPA boundary descriptions shall be provided for informational purposes to the FHWA and the FTA. The MPA boundary descriptions shall be submitted either as a geo-spatial database or described in sufficient detail to enable the boundaries to be accurately delineated on a map.

[82 FR 56543, Nov. 29, 2017]

**§ 450.314 Metropolitan planning agreements.**

(a) The MPO, the State(s), and the providers of public transportation 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 providers of public transportation serving the MPA. To the extent possible, a single agreement between

all responsible parties should be developed. The written agreement(s) shall include specific provisions for the development of financial plans that support the metropolitan transportation plan (see § 450.324) and the metropolitan TIP (see § 450.326), and development of the annual listing of obligated projects (see § 450.334).

(b) The MPO, the State(s), and the providers of public transportation should periodically review and update the agreement, as appropriate, to reflect effective changes.

(c) If the MPA does not include the entire nonattainment or maintenance area, there shall be a written agreement among the State department of transportation, State air quality agency, affected local agencies, and the MPO describing the process for cooperative planning and analysis of all projects outside the MPA within the nonattainment or maintenance area. The agreement must also indicate how the total transportation-related emissions for the nonattainment or maintenance area, including areas outside the MPA, will be treated for the purposes of determining conformity in accordance with the EPA's transportation conformity regulations (40 CFR part 93, subpart A). The agreement shall address policy mechanisms for resolving conflicts concerning transportation-related emissions that may arise between the MPA and the portion of the nonattainment or maintenance area outside the MPA.

(d) In nonattainment or maintenance areas, if the MPO is not the designated agency for air quality planning under section 174 of the Clean Air Act (42 U.S.C. 7504), there shall be a written agreement between the MPO and the designated air quality planning agency describing their respective roles and responsibilities for air quality related transportation planning.

(e) If more than one MPO has been designated to serve an urbanized area there shall be a written agreement among the MPOs, the State(s), and the public transportation operator(s) describing how the metropolitan transportation planning processes will be coordinated to assure the development of consistent metropolitan transportation plans and TIPs across the MPA bound-

aries, particularly in cases in which a proposed transportation investment extends across the boundaries of more than one MPA. If any part of the urbanized area is a nonattainment or maintenance area, the agreement also shall include State and local air quality agencies. The metropolitan transportation planning processes for affected MPOs should, to the maximum extent possible, reflect coordinated data collection, analysis, and planning assumptions across the MPAs. Alternatively, a single metropolitan transportation plan and/or TIP for the entire urbanized area may be developed jointly by the MPOs in cooperation with their respective planning partners. Coordination efforts and outcomes shall be documented in subsequent transmittals of the UPWP and other planning products, including the metropolitan transportation plan and TIP, to the State(s), the FHWA, and the FTA.

(f) Where the boundaries of the urbanized area or MPA extend across two or more States, the Governors with responsibility for a portion of the multistate area, the appropriate MPO(s), and the public transportation operator(s) shall coordinate transportation planning for the entire multistate area. States involved in such multistate transportation planning may:

(1) Enter into agreements or compacts, not in conflict with any law of the United States, for cooperative efforts and mutual assistance in support of activities authorized under this section as the activities pertain to interstate areas and localities within the States; and

(2) Establish such agencies, joint or otherwise, as the States may determine desirable for making the agreements and compacts effective.

(g) If part of an urbanized area that has been designated as a TMA overlaps into an adjacent MPA serving an urbanized area that is not designated as a TMA, the adjacent urbanized area shall not be treated as a TMA. However, a written agreement shall be established between the MPOs with MPA boundaries, including a portion of the TMA, which clearly identifies the roles and

responsibilities of each MPO in meeting specific TMA requirements (e.g., congestion management process, Surface Transportation Program funds suballocated to the urbanized area over 200,000 population, and project selection).

(h)(1) The MPO(s), State(s), and the providers of public transportation shall jointly agree upon and develop specific written provisions for cooperatively developing and sharing information related to transportation performance data, the selection of performance targets, the reporting of performance targets, the reporting of performance to be used in tracking progress toward attainment of critical outcomes for the region of the MPO (see § 450.306(d)), and the collection of data for the State asset management plan for the NHS for each of the following circumstances:

- (i) When one MPO serves an urbanized area;
- (ii) When more than one MPO serves an urbanized area; and
- (iii) When an urbanized area that has been designated as a TMA overlaps into an adjacent MPA serving an urbanized area that is not a TMA.

(2) These provisions shall be documented either:

- (i) As part of the metropolitan planning agreements required under paragraphs (a), (e), and (g) of this section; or
- (ii) Documented in some other means outside of the metropolitan planning agreements as determined cooperatively by the MPO(s), State(s), and providers of public transportation.

[82 FR 56544, Nov. 29, 2017]

**§ 450.316 Interested parties, participation, and consultation.**

(a) The MPO shall develop and use a documented participation plan that defines a process for providing individuals, affected public agencies, representatives of public transportation employees, public ports, freight shippers, providers of freight transportation services, private providers of transportation (including intercity bus operators, employer-based commuting programs, such as carpool program, vanpool program, transit benefit program, parking cash-out program, shuttle program, or telework program), rep-

resentatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with reasonable opportunities to be involved in the metropolitan transportation planning process.

(1) The MPO shall develop the participation plan in consultation with all interested parties and shall, at a minimum, describe explicit procedures, strategies, and desired outcomes for:

- (i) Providing adequate public notice of public participation activities and time for public review and comment at key decision points, including a reasonable opportunity to comment on the proposed metropolitan transportation plan and the TIP;
- (ii) Providing timely notice and reasonable access to information about transportation issues and processes;
- (iii) Employing visualization techniques to describe metropolitan transportation plans and TIPs;
- (iv) Making public information (technical information and meeting notices) available in electronically accessible formats and means, such as the World Wide Web;
- (v) Holding any public meetings at convenient and accessible locations and times;
- (vi) Demonstrating explicit consideration and response to public input received during the development of the metropolitan transportation plan and the TIP;

(vii) Seeking out and considering the needs of those traditionally underserved by existing transportation systems, such as low-income and minority households, who may face challenges accessing employment and other services;

(viii) Providing an additional opportunity for public comment, if the final metropolitan transportation plan or TIP differs significantly from the version that was made available for public comment by the MPO and raises new material issues that interested parties could not reasonably have foreseen from the public involvement efforts;

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(ix) Coordinating with the statewide transportation planning public involvement and consultation processes under subpart B of this part; and

(x) Periodically reviewing the effectiveness of the procedures and strategies contained in the participation plan to ensure a full and open participation process.

(2) When significant written and oral comments are received on the draft metropolitan transportation plan and TIP (including the financial plans) as a result of the participation process in this section or the interagency consultation process required under the EPA transportation conformity regulations (40 CFR part 93, subpart A), a summary, analysis, and report on the disposition of comments shall be made as part of the final metropolitan transportation plan and TIP.

(3) A minimum public comment period of 45 calendar days shall be provided before the initial or revised participation plan is adopted by the MPO. Copies of the approved participation plan shall be provided to the FHWA and the FTA for informational purposes and shall be posted on the World Wide Web, to the maximum extent practicable.

(b) In developing metropolitan transportation plans and TIPs, the MPO should consult with agencies and officials responsible for other planning activities within the MPA that are affected by transportation (including State and local planned growth, economic development, tourism, natural disaster risk reduction, environmental protection, airport operations, or freight movements) or coordinate its planning process (to the maximum extent practicable) with such planning activities. In addition, the MPO shall develop the metropolitan transportation plans and TIPs with due consideration of other related planning activities within the metropolitan area, and the process shall provide for the design and delivery of transportation services within the area that are provided by:

(1) Recipients of assistance under title 49 U.S.C. Chapter 53;

(2) Governmental agencies and non-profit organizations (including representatives of the agencies and orga-

nizations) that receive Federal assistance from a source other than the U.S. Department of Transportation to provide non-emergency transportation services; and

(3) Recipients of assistance under 23 U.S.C. 201–204.

(c) When the MPA includes Indian Tribal lands, the MPO shall appropriately involve the Indian Tribal government(s) in the development of the metropolitan transportation plan and the TIP.

(d) When the MPA includes Federal public lands, the MPO shall appropriately involve the Federal land management agencies in the development of the metropolitan transportation plan and the TIP.

(e) MPOs shall, to the extent practicable, develop a documented process(es) that outlines roles, responsibilities, and key decision points for consulting with other governments and agencies, as defined in paragraphs (b), (c), and (d) of this section, which may be included in the agreement(s) developed under § 450.314.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56544, Nov. 29, 2017]

### § 450.318 Transportation planning studies and project development.

(a) Pursuant to section 1308 of the Transportation Equity Act for the 21st Century, TEA-21 (Pub. L. 105-178), an MPO(s), State(s), or public transportation operator(s) may undertake a multimodal, systems-level corridor or subarea planning study as part of the metropolitan transportation planning process. To the extent practicable, development of these transportation planning studies shall involve consultation with, or joint efforts among, the MPO(s), State(s), and/or public transportation operator(s). The results or decisions of these transportation planning studies may be used as part of the overall project development process consistent with the National Environmental Policy Act (NEPA) of 1969 (42 U.S.C. 4321 *et seq.*) and associated implementing regulations (23 CFR part 771 and 40 CFR parts 1500–1508). Specifically, these corridor or subarea studies

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may result in producing any of the following for a proposed transportation project:

(1) Purpose and need or goals and objective statement(s);

(2) General travel corridor and/or general mode(s) definition (e.g., highway, transit, or a highway/transit combination);

(3) Preliminary screening of alternatives and elimination of unreasonable alternatives;

(4) Basic description of the environmental setting; and/or

(5) Preliminary identification of environmental impacts and environmental mitigation.

(b) Publicly available documents or other source material produced by, or in support of, the transportation planning process described in this subpart may be incorporated directly or by reference into subsequent NEPA documents, in accordance with 40 CFR 1502.21, if:

(1) The NEPA lead agencies agree that such incorporation will aid in establishing or evaluating the purpose and need for the Federal action, reasonable alternatives, cumulative or other impacts on the human and natural environment, or mitigation of these impacts; and

(2) The systems-level, corridor, or subarea planning study is conducted with:

(i) Involvement of interested State, local, Tribal, and Federal agencies;

(ii) Public review;

(iii) Reasonable opportunity to comment during the metropolitan transportation planning process and development of the corridor or subarea planning study;

(iv) Documentation of relevant decisions in a form that is identifiable and available for review during the NEPA scoping process and can be appended to or referenced in the NEPA document; and

(v) The review of the FHWA and the FTA, as appropriate.

(c) By agreement of the NEPA lead agencies, the above integration may be accomplished through tiering (as described in 40 CFR 1502.20), incorporating the subarea or corridor planning study into the draft Environmental Impact Statement (EIS) or En-

vironmental Assessment, or other means that the NEPA lead agencies deem appropriate.

(d) Additional information to further explain the linkages between the transportation planning and project development/NEPA processes is contained in Appendix A to this part, including an explanation that it is non-binding guidance material. The guidance in Appendix A applies only to paragraphs (a)–(c) in this section.

(e) In addition to the process for incorporation directly or by reference outlined in paragraph (b) of this section, an additional authority for integrating planning products into the environmental review process exists in 23 U.S.C. 168. As provided in 23 U.S.C. 168(f):

(1) The statutory authority in 23 U.S.C. 168 shall not be construed to limit in any way the continued use of processes established under other parts of this section or under an authority established outside of this part, and the use of one of the processes in this section does not preclude the subsequent use of another process in this section or an authority outside of this part.

(2) The statute does not restrict the initiation of the environmental review process during planning.

**§ 450.320 Development of programmatic mitigation plans.**

(a) An MPO may utilize the optional framework in this section to develop programmatic mitigation plans as part of the metropolitan transportation planning process to address the potential environmental impacts of future transportation projects. The MPO, in consultation with the FHWA and/or the FTA and with the agency or agencies with jurisdiction and special expertise over the resources being addressed in the plan, will determine:

(1) *Scope.* (i) An MPO may develop a programmatic mitigation plan on a local, regional, ecosystem, watershed, statewide or similar scale.

(ii) The plan may encompass multiple environmental resources within a defined geographic area(s) or may focus on a specific type(s) of resource(s) such as aquatic resources, parkland, or wildlife habitat.

(iii) The plan may address or consider impacts from all projects in a defined geographic area(s) or may focus on a specific type(s) of project(s).

(2) *Contents.* The programmatic mitigation plan may include:

(i) An assessment of the existing condition of natural and human environmental resources within the area covered by the plan, including an assessment of historic and recent trends and/or any potential threats to those resources.

(ii) An identification of economic, social, and natural and human environmental resources within the geographic area that may be impacted and considered for mitigation. Examples of these resources include wetlands, streams, rivers, stormwater, parklands, cultural resources, historic resources, farmlands, archeological resources, threatened or endangered species, and critical habitat. This may include the identification of areas of high conservation concern or value and thus worthy of avoidance.

(iii) An inventory of existing or planned environmental resource banks for the impacted resource categories such as wetland, stream, stormwater, habitat, species, and an inventory of federally, State, or locally approved in-lieu-of-fee programs.

(iv) An assessment of potential opportunities to improve the overall quality of the identified environmental resources through strategic mitigation for impacts of transportation projects which may include the prioritization of parcels or areas for acquisition and/or potential resource banking sites.

(v) An adoption or development of standard measures or operating procedures for mitigating certain types of impacts; establishment of parameters for determining or calculating appropriate mitigation for certain types of impacts, such as mitigation ratios, or criteria for determining appropriate mitigation sites.

(vi) Adaptive management procedures, such as protocols or procedures that involve monitoring actual impacts against predicted impacts over time and adjusting mitigation measures in response to information gathered through the monitoring.

(vii) Acknowledgement of specific statutory or regulatory requirements that must be satisfied when determining appropriate mitigation for certain types of resources.

(b) A MPO may adopt a programmatic mitigation plan developed pursuant to paragraph (a), or developed pursuant to an alternative process as provided for in paragraph (f) of this section through the following process:

(1) Consult with each agency with jurisdiction over the environmental resources considered in the programmatic mitigation plan;

(2) Make available a draft of the programmatic mitigation plan for review and comment by appropriate environmental resource agencies and the public;

(3) Consider comments received from such agencies and the public on the draft plan; and

(4) Address such comments in the final programmatic mitigation plan.

(c) A programmatic mitigation plan may be integrated with other plans, including watershed plans, ecosystem plans, species recovery plans, growth management plans, State Wildlife Action Plans, and land use plans.

(d) If a programmatic mitigation plan has been adopted pursuant to paragraph (b), any Federal agency responsible for environmental reviews, permits, or approvals for a transportation project shall give substantial weight to the recommendations in the programmatic mitigation plan when carrying out its responsibilities under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 *et seq.*) (NEPA) or other Federal environmental law.

(e) Nothing in this section limits the use of programmatic approaches for reviews under NEPA.

(f) Nothing in this section prohibits the development, as part of or separate from the transportation planning process, of a programmatic mitigation plan independent of the framework described in paragraph (a) of this section. Further, nothing in this section prohibits the adoption of a programmatic mitigation plan in the metropolitan planning process that was developed under another authority, independent of the framework described in paragraph (a).

**§ 450.322 Congestion management process in transportation management areas.**

(a) The transportation planning process in a TMA shall address congestion management 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 (including intercity bus operators, employer-based commuting programs such as a carpool program, van-pool program, transit benefit program, parking cash-out program, shuttle program, or telework program), job access projects, and operational management strategies.

(b) The development of a congestion management process should result in multimodal system performance measures and strategies that can be reflected in the metropolitan transportation plan and the TIP.

(c) The level of system performance deemed acceptable by State and local transportation officials may vary by type of transportation facility, geographic location (metropolitan area or subarea), and/or time of day. In addition, consideration should be given to strategies that manage demand, reduce single occupant vehicle (SOV) travel, improve transportation system management and operations, and improve efficient service integration within and across modes, including highway, transit, passenger and freight rail operations, and non-motorized transport. Where the addition of general purpose lanes is determined to be an appropriate congestion management strategy, explicit consideration is to be given to the incorporation of appropriate features into the SOV project to facilitate future demand management strategies and operational improvements that will maintain the functional integrity and safety of those lanes.

(d) The congestion management process shall be developed, established, and implemented as part of the metropolitan transportation planning process

that includes coordination with transportation system management and operations activities. The congestion management process shall include:

(1) Methods to monitor and evaluate the performance of the multimodal transportation system, identify the underlying causes of recurring and non-recurring congestion, identify and evaluate alternative strategies, provide information supporting the implementation of actions, and evaluate the effectiveness of implemented actions;

(2) Definition of congestion management objectives and appropriate performance measures to assess the extent of congestion and support the evaluation of the effectiveness of congestion reduction and mobility enhancement strategies for the movement of people and goods. Since levels of acceptable system performance may vary among local communities, performance measures should be tailored to the specific needs of the area and established cooperatively by the State(s), affected MPO(s), and local officials in consultation with the operators of major modes of transportation in the coverage area, including providers of public transportation;

(3) Establishment of a coordinated program for data collection and system performance monitoring to define the extent and duration of congestion, to contribute in determining the causes of congestion, and evaluate the efficiency and effectiveness of implemented actions. To the extent possible, this data collection program should be coordinated with existing data sources (including archived operational/ITS data) and coordinated with operations managers in the metropolitan area;

(4) Identification and evaluation of the anticipated performance and expected benefits of appropriate congestion management strategies that will contribute to the more effective use and improved safety of existing and future transportation systems based on the established performance measures. The following categories of strategies, or combinations of strategies, are some examples of what should be appropriately considered for each area:

(i) Demand management measures, including growth management, and congestion pricing;



(ii) Traffic operational improvements;

(iii) Public transportation improvements;

(iv) ITS technologies as related to the regional ITS architecture; and

(v) Where necessary, additional system capacity.

(5) Identification of an implementation schedule, implementation responsibilities, and possible funding sources for each strategy (or combination of strategies) proposed for implementation; and

(6) Implementation of a process for periodic assessment of the effectiveness of implemented strategies, in terms of the area's established performance measures. The results of this evaluation shall be provided to decision makers and the public to provide guidance on selection of effective strategies for future implementation.

(e) In a TMA designated as non-attainment area for ozone or carbon monoxide pursuant to the Clean Air Act, Federal funds may not be programmed for any project that will result in a significant increase in the carrying capacity for SOVs (*i.e.*, a new general purpose highway on a new location or adding general purpose lanes, with the exception of safety improvements or the elimination of bottlenecks), unless the project is addressed through a congestion management process meeting the requirements of this section.

(f) In TMAs designated as nonattainment for ozone or carbon monoxide, the congestion management process shall provide an appropriate analysis of reasonable (including multimodal) travel demand reduction and operational management strategies for the corridor in which a project that will result in a significant increase in capacity for SOVs (as described in paragraph (d) of this section) is proposed to be advanced with Federal funds. If the analysis demonstrates that travel demand reduction and operational management strategies cannot fully satisfy the need for additional capacity in the corridor and additional SOV capacity is warranted, then the congestion management process shall identify all reasonable strategies to manage the SOV facility safely and effectively (or to fa-

ilitate its management in the future). Other travel demand reduction and operational management strategies appropriate for the corridor, but not appropriate for incorporation into the SOV facility itself, shall also be identified through the congestion management process. All identified reasonable travel demand reduction and operational management strategies shall be incorporated into the SOV project or committed to by the State and MPO for implementation.

(g) State laws, rules, or regulations pertaining to congestion management systems or programs may constitute the congestion management process, if the FHWA and the FTA find that the State laws, rules, or regulations are consistent with, and fulfill the intent of, the purposes of 23 U.S.C. 134 and 49 U.S.C. 5303.

(h) *Congestion management plan.* A MPO serving a TMA may develop a plan that includes projects and strategies that will be considered in the TIP of such MPO.

(1) Such plan shall:

(i) Develop regional goals to reduce vehicle miles traveled during peak commuting hours and improve transportation connections between areas with high job concentration and areas with high concentrations of low-income households;

(ii) Identify existing public transportation services, employer based commuter programs, and other existing transportation services that support access to jobs in the region; and

(iii) Identify proposed projects and programs to reduce congestion and increase job access opportunities.

(2) In developing the congestion management plan, an MPO shall consult with employers, private and nonprofit providers of public transportation, transportation management organizations, and organizations that provide job access reverse commute projects or job-related services to low-income individuals.

**§ 450.324 Development and content of the metropolitan transportation plan.**

(a) The metropolitan transportation planning process shall include the development of a transportation plan addressing no less than a 20-year planning horizon as of the effective date. In formulating the transportation plan, the MPO shall consider factors described in § 450.306 as the factors relate to a minimum 20-year forecast period. In nonattainment and maintenance areas, the effective date of the transportation plan shall be the date of a conformity determination issued by the FHWA and the FTA. In attainment areas, the effective date of the transportation plan shall be its date of adoption by the MPO.

(b) The transportation plan shall include both long-range and short-range strategies/actions that provide for the development of an integrated multimodal transportation system (including accessible pedestrian walkways and bicycle transportation facilities) to facilitate the safe and efficient movement of people and goods in addressing current and future transportation demand.

(c) The MPO shall review and update the transportation plan at least every 4 years in air quality nonattainment and maintenance areas and at least every 5 years in attainment areas to confirm the transportation plan's validity and consistency with current and forecasted transportation and land use conditions and trends and to extend the forecast period to at least a 20-year planning horizon. In addition, the MPO may revise the transportation plan at any time using the procedures in this section without a requirement to extend the horizon year. The MPO shall approve the transportation plan (and any revisions) and submit it for information purposes to the Governor. Copies of any updated or revised transportation plans must be provided to the FHWA and the FTA.

(d) In metropolitan areas that are in nonattainment for ozone or carbon monoxide, the MPO shall coordinate the development of the metropolitan transportation plan with the process for developing transportation control

measures (TCMs) in a State Implementation Plan (SIP).

(e) The MPO, the State(s), and the public transportation operator(s) shall validate data used in preparing other existing modal plans for providing input to the transportation plan. In updating the transportation plan, the MPO shall base the update on the latest available estimates and assumptions for population, land use, travel, employment, congestion, and economic activity. The MPO shall approve transportation plan contents and supporting analyses produced by a transportation plan update.

(f) The metropolitan transportation plan shall, at a minimum, include:

(1) The current and projected transportation demand of persons and goods in the metropolitan planning area over the period of the transportation plan;

(2) Existing and proposed transportation facilities (including major roadways, public transportation facilities, intercity bus facilities, multimodal and intermodal facilities, non-motorized transportation facilities (e.g., pedestrian walkways and bicycle facilities), and intermodal connectors) that should function as an integrated metropolitan transportation system, giving emphasis to those facilities that serve important national and regional transportation functions over the period of the transportation plan.

(3) A description of the performance measures and performance targets used in assessing the performance of the transportation system in accordance with § 450.306(d).

(4) A system performance report and subsequent updates evaluating the condition and performance of the transportation system with respect to the performance targets described in § 450.306(d), including—

(i) Progress achieved by the metropolitan planning organization in meeting the performance targets in comparison with system performance recorded in previous reports, including baseline data; and

(ii) For metropolitan planning organizations that voluntarily elect to develop multiple scenarios, an analysis of how the preferred scenario has improved the conditions and performance of the transportation system and how

changes in local policies and investments have impacted the costs necessary to achieve the identified performance targets.

(5) Operational and management strategies to improve the performance of existing transportation facilities to relieve vehicular congestion and maximize the safety and mobility of people and goods;

(6) Consideration of the results of the congestion management process in TMAs that meet the requirements of this subpart, including the identification of SOV projects that result from a congestion management process in TMAs that are nonattainment for ozone or carbon monoxide.

(7) Assessment of capital investment and other strategies to preserve the existing and projected future metropolitan transportation infrastructure, provide for multimodal capacity increases based on regional priorities and needs, and reduce the vulnerability of the existing transportation infrastructure to natural disasters. The metropolitan transportation plan may consider projects and strategies that address areas or corridors where current or projected congestion threatens the efficient functioning of key elements of the metropolitan area's transportation system.

(8) Transportation and transit enhancement activities, including consideration of the role that intercity buses may play in reducing congestion, pollution, and energy consumption in a cost-effective manner and strategies and investments that preserve and enhance intercity bus systems, including systems that are privately owned and operated, and including transportation alternatives, as defined in 23 U.S.C. 101(a), and associated transit improvements, as described in 49 U.S.C. 5302(a), as appropriate;

(9) Design concept and design scope descriptions of all existing and proposed transportation facilities in sufficient detail, regardless of funding source, in nonattainment and maintenance areas for conformity determinations under the EPA's transportation conformity regulations (40 CFR part 93, subpart A). In all areas (regardless of air quality designation), all proposed

improvements shall be described in sufficient detail to develop cost estimates;

(10) A discussion of types of potential environmental mitigation activities and potential areas to carry out these activities, including activities that may have the greatest potential to restore and maintain the environmental functions affected by the metropolitan transportation plan. The discussion may focus on policies, programs, or strategies, rather than at the project level. The MPO shall develop the discussion in consultation with applicable Federal, State, and Tribal land management, wildlife, and regulatory agencies. The MPO may establish reasonable timeframes for performing this consultation;

(11) A financial plan that demonstrates how the adopted transportation plan can be implemented.

(i) For purposes of transportation system operations and maintenance, the financial plan shall contain system-level estimates of costs and revenue sources that are reasonably expected to be available to adequately operate and maintain the Federal-aid highways (as defined by 23 U.S.C. 101(a)(5)) and public transportation (as defined by title 49 U.S.C. Chapter 53).

(ii) For the purpose of developing the metropolitan transportation plan, the MPO(s), public transportation operator(s), and State shall cooperatively develop estimates of funds that will be available to support metropolitan transportation plan implementation, as required under §450.314(a). All necessary financial resources from public and private sources that are reasonably expected to be made available to carry out the transportation plan shall be identified.

(iii) The financial plan shall include recommendations on any additional financing strategies to fund projects and programs included in the metropolitan transportation plan. In the case of new funding sources, strategies for ensuring their availability shall be identified. The financial plan may include an assessment of the appropriateness of innovative finance techniques (for example, tolling, pricing, bonding, public private partnerships, or other strategies) as revenue sources for projects in the plan.

(iv) In developing the financial plan, the MPO shall take into account all projects and strategies proposed for funding under title 23 U.S.C., title 49 U.S.C. Chapter 53 or with other Federal funds; State assistance; local sources; and private participation. Revenue and cost estimates that support the metropolitan transportation plan must use an inflation rate(s) to reflect “year of expenditure dollars,” based on reasonable financial principles and information, developed cooperatively by the MPO, State(s), and public transportation operator(s).

(v) For the outer years of the metropolitan transportation plan (*i.e.*, beyond the first 10 years), the financial plan may reflect aggregate cost ranges/cost bands, as long as the future funding source(s) is reasonably expected to be available to support the projected cost ranges/cost bands.

(vi) For nonattainment and maintenance areas, the financial plan shall address the specific financial strategies required to ensure the implementation of TCMs in the applicable SIP.

(vii) For illustrative purposes, the financial plan may include additional projects that would be included in the adopted transportation plan if additional resources beyond those identified in the financial plan were to become available.

(viii) In cases that the FHWA and the FTA find a metropolitan transportation plan to be fiscally constrained and a revenue source is subsequently removed or substantially reduced (*i.e.*, by legislative or administrative actions), the FHWA and the FTA will not withdraw the original determination of fiscal constraint; however, in such cases, the FHWA and the FTA will not act on an updated or amended metropolitan transportation plan that does not reflect the changed revenue situation.

(12) Pedestrian walkway and bicycle transportation facilities in accordance with 23 U.S.C. 217(g).

(g) The MPO shall consult, as appropriate, with State and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation concerning the development of the transportation plan. The

consultation shall involve, as appropriate:

(1) Comparison of transportation plans with State conservation plans or maps, if available; or

(2) Comparison of transportation plans to inventories of natural or historic resources, if available.

(h) The metropolitan transportation plan should integrate the priorities, goals, countermeasures, strategies, or projects for the metropolitan planning area contained in the HSIP, including the SHSP required under 23 U.S.C. 148, the Public Transportation Agency Safety Plan required under 49 U.S.C. 5329(d), or an Interim Agency Safety Plan in accordance with 49 CFR part 659, as in effect until completion of the Public Transportation Agency Safety Plan, and may incorporate or reference applicable emergency relief and disaster preparedness plans and strategies and policies that support homeland security, as appropriate, to safeguard the personal security of all motorized and non-motorized users.

(i) An MPO may, while fitting the needs and complexity of its community, voluntarily elect to develop multiple scenarios for consideration as part of the development of the metropolitan transportation plan.

(1) An MPO that chooses to develop multiple scenarios under this paragraph (i) is encouraged to consider:

(i) Potential regional investment strategies for the planning horizon;

(ii) Assumed distribution of population and employment;

(iii) A scenario that, to the maximum extent practicable, maintains baseline conditions for the performance areas identified in § 450.306(d) and measures established under 23 CFR part 490;

(iv) A scenario that improves the baseline conditions for as many of the performance measures identified in § 450.306(d) as possible;

(v) Revenue constrained scenarios based on the total revenues expected to be available over the forecast period of the plan; and

(vi) Estimated costs and potential revenues available to support each scenario.

(2) In addition to the performance areas identified in 23 U.S.C. 150(c), 49 U.S.C. 5326(c), and 5329(d), and the

measures established under 23 CFR part 490, MPOs may evaluate scenarios developed under this paragraph using locally developed measures.

(j) The MPO shall provide individuals, affected public agencies, representatives of public transportation employees, public ports, freight shippers, providers of freight transportation services, private providers of transportation (including intercity bus operators, employer-based commuting programs, such as carpool program, vanpool program, transit benefit program, parking cashout program, shuttle program, or telework program), representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with a reasonable opportunity to comment on the transportation plan using the participation plan developed under § 450.316(a).

(k) The MPO shall publish or otherwise make readily available the metropolitan transportation plan for public review, including (to the maximum extent practicable) in electronically accessible formats and means, such as the World Wide Web.

(l) A State or MPO is not required to select any project from the illustrative list of additional projects included in the financial plan under paragraph (f)(11) of this section.

(m) In nonattainment and maintenance areas for transportation-related pollutants, the MPO, as well as the FHWA and the FTA, must make a conformity determination on any updated or amended transportation plan in accordance with the Clean Air Act and the EPA transportation conformity regulations (40 CFR part 93, subpart A). A 12-month conformity lapse grace period will be implemented when an area misses an applicable deadline, in accordance with the Clean Air Act and the transportation conformity regulations (40 CFR part 93, subpart A). At the end of this 12-month grace period, the existing conformity determination will lapse. During a conformity lapse, MPOs can prepare an interim metropolitan transportation plan as a basis for advancing projects that are eligible to proceed under a conformity lapse.

An interim metropolitan transportation plan consisting of eligible projects from, or consistent with, the most recent conforming transportation plan and TIP may proceed immediately without revisiting the requirements of this section, subject to interagency consultation defined in 40 CFR part 93, subpart A. An interim metropolitan transportation plan containing eligible projects that are not from, or consistent with, the most recent conforming transportation plan and TIP must meet all the requirements of this section.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56544, Nov. 29, 2017]

**§ 450.326 Development and content of the transportation improvement program (TIP).**

(a) The MPO, in cooperation with the State(s) and any affected public transportation operator(s), shall develop a TIP for the metropolitan planning area. The TIP shall reflect the investment priorities established in the current metropolitan transportation plan and shall cover a period of no less than 4 years, be updated at least every 4 years, and be approved by the MPO and the Governor. However, if the TIP covers more than 4 years, the FHWA and the FTA will consider the projects in the additional years as informational. The MPO may update the TIP more frequently, but the cycle for updating the TIP must be compatible with the STIP development and approval process. The TIP expires when the FHWA/FTA approval of the STIP expires. Copies of any updated or revised TIPs must be provided to the FHWA and the FTA. In nonattainment and maintenance areas subject to transportation conformity requirements, the FHWA and the FTA, as well as the MPO, must make a conformity determination on any updated or amended TIP, in accordance with the Clean Air Act requirements and the EPA's transportation conformity regulations (40 CFR part 93, subpart A).

(b) The MPO shall provide all interested parties with a reasonable opportunity to comment on the proposed TIP as required by § 450.316(a). In addition, in nonattainment area TMAs, the

MPO shall provide at least one formal public meeting during the TIP development process, which should be addressed through the participation plan described in § 450.316(a). In addition, the MPO shall publish or otherwise make readily available the TIP for public review, including (to the maximum extent practicable) in electronically accessible formats and means, such as the World Wide Web, as described in § 450.316(a).

(c) The TIP shall be designed such that once implemented, it makes progress toward achieving the performance targets established under § 450.306(d).

(d) The TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets.

(e) The TIP shall include capital and non-capital surface transportation projects (or phases of projects) within the boundaries of the metropolitan planning area proposed for funding under 23 U.S.C. and 49 U.S.C. Chapter 53 (including transportation alternatives; associated transit improvements; Tribal Transportation Program, Federal Lands Transportation Program, and Federal Lands Access Program projects; HSIP projects; trails projects; accessible pedestrian walkways; and bicycle facilities), except the following that may be included:

(1) Safety projects funded under 23 U.S.C. 402 and 49 U.S.C. 31102;

(2) Metropolitan planning projects funded under 23 U.S.C. 104(d), and 49 U.S.C. 5305(d);

(3) State planning and research projects funded under 23 U.S.C. 505 and 49 U.S.C. 5305(e);

(4) At the discretion of the State and MPO, metropolitan planning projects funded with Surface Transportation Program funds;

(5) Emergency relief projects (except those involving substantial functional, locational, or capacity changes);

(6) National planning and research projects funded under 49 U.S.C. 5314; and

(7) Project management oversight projects funded under 49 U.S.C. 5327.

(f) The TIP shall contain all regionally significant projects requiring an action by the FHWA or the FTA whether or not the projects are to be funded under title 23 U.S.C. Chapters 1 and 2 or title 49 U.S.C. Chapter 53 (e.g., addition of an interchange to the Interstate System with State, local, and/or private funds and congressionally designated projects not funded under 23 U.S.C. or 49 U.S.C. Chapter 53). For public information and conformity purposes, the TIP shall include all regionally significant projects proposed to be funded with Federal funds other than those administered by the FHWA or the FTA, as well as all regionally significant projects to be funded with non-Federal funds.

(g) The TIP shall include, for each project or phase (e.g., preliminary engineering, environment/NEPA, right-of-way, design, or construction), the following:

(1) Sufficient descriptive material (*i.e.*, type of work, termini, and length) to identify the project or phase;

(2) Estimated total project cost, which may extend beyond the 4 years of the TIP;

(3) The amount of Federal funds proposed to be obligated during each program year for the project or phase (for the first year, this includes the proposed category of Federal funds and source(s) of non-Federal funds. For the second, third, and fourth years, this includes the likely category or possible categories of Federal funds and sources of non-Federal funds);

(4) Identification of the agencies responsible for carrying out the project or phase;

(5) In nonattainment and maintenance areas, identification of those projects that are identified as TCMs in the applicable SIP;

(6) In nonattainment and maintenance areas, included projects shall be specified in sufficient detail (design concept and scope) for air quality analysis in accordance with the EPA transportation conformity regulations (40 CFR part 93, subpart A); and

(7) In areas with Americans with Disabilities Act required paratransit and key station plans, identification of

those projects that will implement these plans.

(h) Projects that are not considered to be of appropriate scale for individual identification in a given program year may be grouped by function, work type, and/or geographic area using the applicable classifications under 23 CFR 771.117(c) and (d) and/or 40 CFR part 93. In nonattainment and maintenance areas, project classifications must be consistent with the “exempt project” classifications contained in the EPA transportation conformity regulations (40 CFR part 93, subpart A). In addition, projects proposed for funding under title 23 U.S.C. Chapter 2 that are not regionally significant may be grouped in one line item or identified individually in the TIP.

(i) Each project or project phase included in the TIP shall be consistent with the approved metropolitan transportation plan.

(j) The TIP shall include a financial plan that demonstrates how the approved TIP can be implemented, indicates resources from public and private sources that are reasonably expected to be made available to carry out the TIP, and recommends any additional financing strategies for needed projects and programs. In developing the TIP, the MPO, State(s), and public transportation operator(s) shall cooperatively develop estimates of funds that are reasonably expected to be available to support TIP implementation in accordance with § 450.314(a). Only projects for which construction or operating funds can reasonably be expected to be available may be included. In the case of new funding sources, strategies for ensuring their availability shall be identified. In developing the financial plan, the MPO shall take into account all projects and strategies funded under title 23 U.S.C., title 49 U.S.C. Chapter 53, and other Federal funds; and regionally significant projects that are not federally funded. For purposes of transportation operations and maintenance, the financial plan shall contain system-level estimates of costs and revenue sources that are reasonably expected to be available to adequately operate and maintain Federal-aid highways (as defined by 23 U.S.C. 101(a)(6)) and public transportation (as defined

by title 49 U.S.C. Chapter 53). In addition, for illustrative purposes, the financial plan may include additional projects that would be included in the TIP if reasonable additional resources beyond those identified in the financial plan were to become available. Revenue and cost estimates for the TIP must use an inflation rate(s) to reflect “year of expenditure dollars,” based on reasonable financial principles and information, developed cooperatively by the MPO, State(s), and public transportation operator(s).

(k) The TIP shall include a project, or a phase of a project, only if full funding can reasonably be anticipated to be available for the project within the time period contemplated for completion of the project. In nonattainment and maintenance areas, projects included in the first 2 years of the TIP shall be limited to those for which funds are available or committed. For the TIP, financial constraint shall be demonstrated and maintained by year and shall include sufficient financial information to demonstrate which projects are to be implemented using current and/or reasonably available revenues, while federally supported facilities are being adequately operated and maintained. In the case of proposed funding sources, strategies for ensuring their availability shall be identified in the financial plan consistent with paragraph (h) of this section. In nonattainment and maintenance areas, the TIP shall give priority to eligible TCMs identified in the approved SIP in accordance with the EPA transportation conformity regulations (40 CFR part 93, subpart A) and shall provide for their timely implementation.

(l) In cases that the FHWA and the FTA find a TIP to be fiscally constrained and a revenue source is subsequently removed or substantially reduced (*i.e.*, by legislative or administrative actions), the FHWA and the FTA will not withdraw the original determination of fiscal constraint. However, in such cases, the FHWA and the FTA will not act on an updated or amended TIP that does not reflect the changed revenue situation.

(m) Procedures or agreements that distribute suballocated Surface Transportation Program funds to individual

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jurisdictions or modes within the MPA by pre-determined percentages or formulas are inconsistent with the legislative provisions that require the MPO, in cooperation with the State and the public transportation operator, to develop a prioritized and financially constrained TIP and shall not be used unless they can be clearly shown to be based on considerations required to be addressed as part of the metropolitan transportation planning process.

(n) As a management tool for monitoring progress in implementing the transportation plan, the TIP should:

(1) Identify the criteria and process for prioritizing implementation of transportation plan elements (including multimodal trade-offs) for inclusion in the TIP and any changes in priorities from previous TIPs;

(2) List major projects from the previous TIP that were implemented and identify any significant delays in the planned implementation of major projects; and

(3) In nonattainment and maintenance areas, describe the progress in implementing any required TCMS, in accordance with 40 CFR part 93.

(o) In metropolitan nonattainment and maintenance areas, a 12-month conformity lapse grace period will be implemented when an area misses an applicable deadline, according to the Clean Air Act and the transportation conformity regulations (40 CFR part 93, subpart A). At the end of this 12-month grace period, the existing conformity determination will lapse. During a conformity lapse, MPOs may prepare an interim TIP as a basis for advancing projects that are eligible to proceed under a conformity lapse. An interim TIP consisting of eligible projects from, or consistent with, the most recent conforming metropolitan transportation plan and TIP may proceed immediately without revisiting the requirements of this section, subject to interagency consultation defined in 40 CFR part 93. An interim TIP containing eligible projects that are not from, or consistent with, the most recent conforming transportation plan and TIP must meet all the requirements of this section.

(p) Projects in any of the first 4 years of the TIP may be advanced in place of

another project in the first 4 years of the TIP, subject to the project selection requirements of § 450.332. In addition, the MPO may revise the TIP at any time under procedures agreed to by the State, MPO, and public transportation operator(s) consistent with the TIP development procedures established in this section, as well as the procedures for the MPO participation plan (see § 450.316(a)) and FHWA/FTA actions on the TIP (see § 450.330).

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]

**§ 450.328 TIP revisions and relationship to the STIP.**

(a) An MPO may revise the TIP at any time under procedures agreed to by the cooperating parties consistent with the procedures established in this part for its development and approval. In nonattainment or maintenance areas for transportation-related pollutants, if a TIP amendment involves non-exempt projects (per 40 CFR part 93), or is replaced with an updated TIP, the MPO and the FHWA and the FTA must make a new conformity determination. In all areas, changes that affect fiscal constraint must take place by amendment of the TIP. The MPO shall use public participation procedures consistent with § 450.316(a) in revising the TIP, except that these procedures are not required for administrative modifications.

(b) After approval by the MPO and the Governor, the State shall include the TIP without change, directly or by reference, in the STIP required under 23 U.S.C. 135. In nonattainment and maintenance areas, the FHWA and the FTA must make a conformity finding on the TIP before it is included in the STIP. A copy of the approved TIP shall be provided to the FHWA and the FTA.

(c) The State shall notify the MPO and Federal land management agencies when it has included a TIP including projects under the jurisdiction of these agencies in the STIP.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]



**§ 450.330 TIP action by the FHWA and the FTA.**

(a) The FHWA and the FTA shall jointly find that each metropolitan TIP is consistent with the metropolitan transportation plan produced by the continuing and comprehensive transportation process carried on cooperatively by the MPO, the State(s), and the public transportation operator(s) in accordance with 23 U.S.C. 134 and 49 U.S.C. 5303. This finding shall be based on the self-certification statement submitted by the State and MPO under § 450.336, a review of the metropolitan transportation plan by the FHWA and the FTA, and upon other reviews as deemed necessary by the FHWA and the FTA.

(b) In nonattainment and maintenance areas, the MPO, as well as the FHWA and the FTA, shall determine conformity of any updated or amended TIP, in accordance with 40 CFR part 93. After the FHWA and the FTA issue a conformity determination on the TIP, the TIP shall be incorporated, without change, into the STIP, directly or by reference.

(c) If an MPO has not updated the metropolitan transportation plan in accordance with the cycles defined in § 450.324(c), projects may only be advanced from a TIP that was approved and found to conform (in nonattainment and maintenance areas) prior to expiration of the metropolitan transportation plan and meets the TIP update requirements of § 450.326(a). Until the MPO approves (in attainment areas) or the FHWA and the FTA issue a conformity determination on (in nonattainment and maintenance areas) the updated metropolitan transportation plan, the MPO may not amend the TIP.

(d) In the case of extenuating circumstances, the FHWA and the FTA will consider and take appropriate action on requests to extend the STIP approval period for all or part of the TIP in accordance with § 450.220(b).

(e) If an illustrative project is included in the TIP, no Federal action may be taken on that project by the FHWA and the FTA until it is formally included in the financially constrained and conforming metropolitan transportation plan and TIP.

(f) Where necessary in order to maintain or establish operations, the FHWA and the FTA may approve highway and transit operating assistance for specific projects or programs, even though the projects or programs may not be included in an approved TIP.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]

**§ 450.332 Project selection from the TIP.**

(a) Once a TIP that meets the requirements of 23 U.S.C. 134(j), 49 U.S.C. 5303(j), and § 450.326 has been developed and approved, the first year of the TIP will constitute an “agreed to” list of projects for project selection purposes and no further project selection action is required for the implementing agency to proceed with projects, except where the appropriated Federal funds available to the metropolitan planning area are significantly less than the authorized amounts or where there are significant shifting of projects between years. In this case, the MPO, the State, and the public transportation operator(s) if requested by the MPO, the State, or the public transportation operator(s) shall jointly develop a revised “agreed to” list of projects. If the State or public transportation operator(s) wishes to proceed with a project in the second, third, or fourth year of the TIP, the specific project selection procedures stated in paragraphs (b) and (c) of this section must be used unless the MPO, the State, and the public transportation operator(s) jointly develop expedited project selection procedures to provide for the advancement of projects from the second, third, or fourth years of the TIP.

(b) In metropolitan areas not designated as TMAs, the State and/or the public transportation operator(s), in cooperation with the MPO shall select projects to be implemented using title 23 U.S.C. funds (other than Tribal Transportation Program, Federal Lands Transportation Program, and Federal Lands Access Program projects) or funds under title 49 U.S.C. Chapter 53, from the approved metropolitan TIP. Tribal Transportation

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Program, Federal Lands Transportation Program, and Federal Lands Access Program projects shall be selected in accordance with procedures developed pursuant to 23 U.S.C. 201, 202, 203, and 204.

(c) In areas designated as TMAs, the MPO shall select all 23 U.S.C. and 49 U.S.C. Chapter 53 funded projects (excluding projects on the NHS and Tribal Transportation Program, Federal Lands Transportation Program, and Federal Lands Access Program) in consultation with the State and public transportation operator(s) from the approved TIP and in accordance with the priorities in the approved TIP. The State shall select projects on the NHS in cooperation with the MPO, from the approved TIP. Tribal Transportation Program, Federal Lands Transportation Program, and Federal Lands Access Program projects shall be selected in accordance with procedures developed pursuant to 23 U.S.C. 201, 202, 203, and 204.

(d) Except as provided in § 450.326(e) and § 450.330(f), projects not included in the federally approved STIP are not eligible for funding with funds under title 23 U.S.C. or 49 U.S.C. Chapter 53.

(e) In nonattainment and maintenance areas, priority shall be given to the timely implementation of TCMS contained in the applicable SIP in accordance with the EPA transportation conformity regulations (40 CFR part 93, subpart A).

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]

### § 450.334 Annual listing of obligated projects.

(a) In metropolitan planning areas, on an annual basis, no later than 90 calendar days following the end of the program year, the State, public transportation operator(s), and the MPO shall cooperatively develop a listing of projects (including investments in pedestrian walkways and bicycle transportation facilities) for which funds under 23 U.S.C. or 49 U.S.C. Chapter 53 were obligated in the preceding program year.

(b) The listing shall be prepared in accordance with § 450.314(a) and shall include all federally funded projects

authorized or revised to increase obligations in the preceding program year, and shall at a minimum include the TIP information under § 450.326(g)(1) and (4) and identify, for each project, the amount of Federal funds requested in the TIP, the Federal funding that was obligated during the preceding year, and the Federal funding remaining and available for subsequent years.

(c) The listing shall be published or otherwise made available in accordance with the MPO's public participation criteria for the TIP.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]

### § 450.336 Self-certifications and Federal certifications.

(a) For all MPAs, concurrent with the submittal of the entire proposed TIP to the FHWA and the FTA as part of the STIP approval, the State and the MPO shall certify at least every 4 years that the metropolitan transportation planning process is being carried out in accordance with all applicable requirements including:

(1) 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;

(2) In nonattainment and maintenance areas, sections 174 and 176(c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506(c) and (d)) and 40 CFR part 93;

(3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d–1) and 49 CFR part 21;

(4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;

(5) Section 1101(b) of the FAST Act (Pub. L. 114–357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in DOT funded projects;

(6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;

(7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) and 49 CFR parts 27, 37, and 38;

(8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting

discrimination on the basis of age in programs or activities receiving Federal financial assistance;

(9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and

(10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

(b) In TMAs, the FHWA and the FTA jointly shall review and evaluate the transportation planning process for each TMA no less than once every 4 years to determine if the process meets the requirements of applicable provisions of Federal law and this subpart.

(1) After review and evaluation of the TMA planning process, the FHWA and FTA shall take one of the following actions:

(i) If the process meets the requirements of this part and the MPO and the Governor have approved a TIP, jointly certify the transportation planning process;

(ii) If the process substantially meets the requirements of this part and the MPO and the Governor have approved a TIP, jointly certify the transportation planning process subject to certain specified corrective actions being taken; or

(iii) If the process does not meet the requirements of this part, jointly certify the planning process as the basis for approval of only those categories of programs or projects that the FHWA and the FTA jointly determine, subject to certain specified corrective actions being taken.

(2) If, upon the review and evaluation conducted under paragraph (b)(1)(iii) of this section, the FHWA and the FTA do not certify the transportation planning process in a TMA, the Secretary may withhold up to 20 percent of the funds attributable to the metropolitan planning area of the MPO for projects funded under title 23 U.S.C. and title 49 U.S.C. Chapter 53 in addition to corrective actions and funding restrictions. The withheld funds shall be restored to the MPA when the metropolitan transportation planning process is certified by the FHWA and FTA, unless the funds have lapsed.

(3) A certification of the TMA planning process will remain in effect for 4

years unless a new certification determination is made sooner by the FHWA and the FTA or a shorter term is specified in the certification report.

(4) In conducting a certification review, the FHWA and the FTA shall provide opportunities for public involvement within the metropolitan planning area under review. The FHWA and the FTA shall consider the public input received in arriving at a decision on a certification action.

(5) The FHWA and the FTA shall notify the MPO(s), the State(s), and public transportation operator(s) of the actions taken under paragraphs (b)(1) and (b)(2) of this section. The FHWA and the FTA will update the certification status of the TMA when evidence of satisfactory completion of a corrective action(s) is provided to the FHWA and the FTA.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]

**§ 450.338 Applicability of NEPA to metropolitan transportation plans and programs.**

Any decision by the Secretary concerning a metropolitan transportation plan or TIP developed through the processes provided for in 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart shall not be considered to be a Federal action subject to review under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 *et seq.*).

**§ 450.340 Phase-in of new requirements.**

(a) Prior to May 27, 2018, an MPO may adopt a metropolitan transportation plan that has been developed using the SAFETEA-LU requirements or the provisions and requirements of this part. On or after May 27, 2018, an MPO may not adopt a metropolitan transportation plan that has not been developed according to the provisions and requirements of this part.

(b) Prior to May 27, 2018 (2 years after the publication date of this rule), FHWA/FTA may determine the conformity of, or approve as part of a STIP, a TIP that has been developed using SAFETEA-LU requirements or the provisions and requirements of this part. On or after May 27, 2018 (2 years

after the publication date of this rule), FHWA/FTA may only determine the conformity of, or approve as part of a STIP, a TIP that has been developed according to the provisions and requirements of this part, regardless of when the MPO developed the TIP.

(c) On and after May 27, 2018 (2 years after the issuance date of this rule), the FHWA and the FTA will take action (*i.e.*, conformity determinations and STIP approvals) on an updated or amended TIP developed under the provisions of this part, even if the MPO has not yet adopted a new metropolitan transportation plan under the provisions of this part, as long as the underlying transportation planning process is consistent with the requirements in the MAP-21.

(d) On or after May 27, 2018 (2 years after the publication date of this rule), an MPO may make an administrative modification to a TIP that conforms to either the SAFETEA-LU or to the provisions and requirements of this part.

(e) Two years from the effective date of each rule establishing performance measures under 23 U.S.C. 150(c), 49 U.S.C. 5326, and 49 U.S.C. 5329 FHWA/FTA will only determine the conformity of, or approve as part of a STIP, a TIP that is based on a metropolitan transportation planning process that meets the performance based planning requirements in this part and in such a rule.

(f) Prior to 2 years from the effective date of each rule establishing performance measures under 23 U.S.C. 150(c), 49 U.S.C. 5326, or 49 U.S.C. 5329, an MPO may adopt a metropolitan transportation plan that has been developed using the SAFETEA-LU requirements or the performance-based planning requirements of this part and in such a rule. Two years on or after the effective date of each rule establishing performance measures under 23 U.S.C. 150(c), 49 U.S.C. 5326, or 49 U.S.C. 5329, an MPO may only adopt a metropolitan transportation plan that has been developed according to the performance-based provisions and requirements of this part and in such a rule.

(g) A newly designated TMA shall implement the congestion management

process described in §450.322 within 18 months of designation.

[81 FR 34135, May 27, 2016, as amended at 81 FR 93473, Dec. 20, 2016; 82 FR 56545, Nov. 29, 2017]

#### APPENDIX A TO PART 450—LINKING THE TRANSPORTATION PLANNING AND NEPA PROCESSES

##### BACKGROUND AND OVERVIEW

This Appendix provides additional information to explain the linkage between the transportation planning and project development/National Environmental Policy Act (NEPA) processes. It is intended to be non-binding and should not be construed as a rule of general applicability.

For 40 years, the Congress has directed that federally funded highway and transit projects must flow from metropolitan and statewide transportation planning processes (pursuant to 23 U.S.C. 134–135 and 49 U.S.C. 5303–5306). Over the years, the Congress has refined and strengthened the transportation planning process as the foundation for project decisions, emphasizing public involvement, consideration of environmental and other factors, and a Federal role that oversees the transportation planning process but does not second-guess the content of transportation plans and programs.

Despite this statutory emphasis on transportation planning, the environmental analyses produced to meet the requirements of the NEPA of 1969 (42 U.S.C. 4231 *et seq.*) have often been conducted de novo, disconnected from the analyses used to develop long-range transportation plans, statewide and metropolitan Transportation Improvement Programs (STIPs/TIPs), or planning-level corridor/subarea/feasibility studies. When the NEPA and transportation planning processes are not well coordinated, the NEPA process may lead to the development of information that is more appropriately developed in the planning process, resulting in duplication of work and delays in transportation improvements.

The purpose of this Appendix is to change this culture, by supporting congressional intent that statewide and metropolitan transportation planning should be the foundation for highway and transit project decisions. This Appendix was crafted to recognize that transportation planning processes vary across the country. This document provides details on how information, analysis, and products from transportation planning can be incorporated into and relied upon in NEPA documents under existing laws, regardless of when the Notice of Intent has

been published. This Appendix presents environmental review as a continuum of sequential study, refinement, and expansion performed in transportation planning and during project development/NEPA, with information developed and conclusions drawn in early stages utilized in subsequent (and more detailed) review stages.

The information below is intended for use by State departments of transportation (State DOTs), metropolitan planning organizations (MPOs), and public transportation operators to clarify the circumstances under which transportation planning level choices and analyses can be adopted or incorporated into the process required by NEPA. Additionally, the FHWA and the FTA will work with Federal environmental, regulatory, and resource agencies to incorporate the principles of this Appendix in their day-to-day NEPA policies and procedures related to their involvement in highway and transit projects.

This Appendix does not extend NEPA requirements to transportation plans and programs. The Transportation Efficiency Act for the 21st Century (TEA-21) and the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) specifically exempted transportation plans and programs from NEPA review. Therefore, initiating the NEPA process as part of, or concurrently with, a transportation planning study does not subject transportation plans and programs to NEPA.

Implementation of this Appendix by States, MPOs, and public transportation operators is voluntary. The degree to which studies, analyses, or conclusions from the transportation planning process can be incorporated into the project development/NEPA processes will depend upon how well they meet certain standards established by NEPA regulations and guidance. While some transportation planning processes already meet these standards, others will need some modification.

The remainder of this Appendix document utilizes a "Question and Answer" format, organized into three primary categories ("Procedural Issues," "Substantive Issues," and "Administrative Issues").

#### I. PROCEDURAL ISSUES

##### 1. *In what format should the transportation planning information be included?*

To be included in the NEPA process, work from the transportation planning process must be documented in a form that can be appended to the NEPA document or incorporated by reference. Documents may be incorporated by reference if they are readily available so as to not impede agency or public review of the action. Any document incorporated by reference must be "reasonably available for inspection by potentially inter-

ested persons within the time allowed for comment." Incorporated materials must be cited in the NEPA document and their contents briefly described, so that the reader understands why the document is cited and knows where to look for further information. To the extent possible, the documentation should be in a form such as official actions by the MPO, State DOT, or public transportation operator and/or correspondence within and among the organizations involved in the transportation planning process.

##### 2. *What is a reasonable level of detail for a planning product that is intended to be used in a NEPA document? How does this level of detail compare to what is considered a full NEPA analysis?*

For purposes of transportation planning alone, a planning-level analysis does not need to rise to the level of detail required in the NEPA process. Rather, it needs to be accurate and up-to-date, and should adequately support recommended improvements in the statewide or metropolitan long-range transportation plan. The SAFETEA-LU requires transportation planning processes to focus on setting a context and following acceptable procedures. For example, the SAFETEA-LU requires a "discussion of the types of potential environmental mitigation activities" and potential areas for their implementation, rather than details on specific strategies. The SAFETEA-LU also emphasizes consultation with Federal, State, and Tribal land management, wildlife, and regulatory agencies.

However, the Environmental Assessment (EA) or Environmental Impact Statement (EIS) ultimately will be judged by the standards applicable under the NEPA regulations and guidance from the Council on Environmental Quality (CEQ). To the extent the information incorporated from the transportation planning process, standing alone, does not contain all of the information or analysis required by NEPA, then it will need to be supplemented by other information contained in the EIS or EA that would, in conjunction with the information from the plan, collectively meet the requirements of NEPA. The intent is not to require NEPA studies in the transportation planning process. As an option, the NEPA analyses prepared for project development can be integrated with transportation planning studies (see the response to Question 9 for additional information).

3. *What type and extent of involvement from Federal, Tribal, State, and local environmental, regulatory, and resource agencies is needed in the transportation planning process in order for planning-level decisions to be more readily accepted in the NEPA process?*

Sections 3005, 3006, and 6001 of the SAFETEA-LU established formal consultation requirements for MPOs and State DOTs to employ with environmental, regulatory, and resource agencies in the development of long-range transportation plans. For example, metropolitan transportation plans now “shall include a discussion of the types of potential environmental mitigation activities and potential areas to carry out these activities, including activities that may have the greatest potential to restore and maintain the environmental functions affected by the [transportation] plan,” and that these planning-level discussions “shall be developed in consultation with Federal, State, and Tribal land management, wildlife, and regulatory agencies.” In addition, MPOs “shall consult, as appropriate, with State and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation concerning the development of a long-range transportation plan,” and that this consultation “shall involve, as appropriate, comparison of transportation plans with State conservation plans or maps, if available, or comparison of transportation plans to inventories of natural or historic resources, if available.” Similar SAFETEA-LU language addresses the development of the long-range statewide transportation plan, with the addition of Tribal conservation plans or maps to this planning-level “comparison.”

In addition, section 6002 of the SAFETEA-LU established several mechanisms for increased efficiency in environmental reviews for project decision-making. For example, the term “lead agency” collectively means the U.S. Department of Transportation and a State or local governmental entity serving as a joint lead agency for the NEPA process. In addition, the lead agency is responsible for inviting and designating “participating agencies” (*i.e.*, other Federal or non-Federal agencies that may have an interest in the proposed project). Any Federal agency that is invited by the lead agency to participate in the environmental review process for a project shall be designated as a participating agency by the lead agency unless the invited agency informs the lead agency, in writing, by the deadline specified in the invitation that the invited agency:

(a) Has no jurisdiction or authority with respect to the project; (b) has no expertise or information relevant to the project; and (c) does not intend to submit comments on the project.

Past successful examples of using transportation planning products in NEPA analysis are based on early and continuous involvement of environmental, regulatory, and resource agencies. Without this early coordination, environmental, regulatory, and resource agencies are more likely to expect decisions made or analyses conducted in the transportation planning process to be revisited during the NEPA process. Early participation in transportation planning provides environmental, regulatory, and resource agencies better insight into the needs and objectives of the locality. Additionally, early participation provides an important opportunity for environmental, regulatory, and resource agency concerns to be identified and addressed early in the process, such as those related to permit applications. Moreover, Federal, Tribal, State, and local environmental, regulatory, and resource agencies are able to share data on particular resources, which can play a critical role in determining the feasibility of a transportation solution with respect to environmental impacts. The use of other agency planning outputs can result in a transportation project that could support multiple goals (transportation, environmental, and community). Further, planning decisions by these other agencies may have impacts on long-range transportation plans and/or the STIP/TIP, thereby providing important input to the transportation planning process and advancing integrated decision-making.

4. *What is the procedure for using decisions or analyses from the transportation planning process?*

The lead agencies jointly decide, and must agree, on what processes and consultation techniques are used to determine the transportation planning products that will be incorporated into the NEPA process. At a minimum, a robust scoping/early coordination process (which explains to Federal and State environmental, regulatory, and resource agencies and the public the information and/or analyses utilized to develop the planning products, how the purpose and need was developed and refined, and how the design concept and scope were determined) should play a critical role in leading to informed decisions by the lead agencies on the suitability of the transportation planning information, analyses, documents, and decisions for use in the NEPA process. As part of a rigorous scoping/early coordination process, the FHWA and the FTA should ensure that the transportation planning results are appropriately documented, shared, and used.

5. *To what extent can the FHWA/FTA provide up-front assurance that decisions and additional investments made in the transportation planning process will allow planning-level decisions and analyses to be used in the NEPA process?*

There are no guarantees. However, the potential is greatly improved for transportation planning processes that address the "3-C" planning principles (comprehensive, cooperative, and continuous); incorporate the intent of NEPA through the consideration of natural, physical, and social effects; involve environmental, regulatory, and resource agencies; thoroughly document the transportation planning process information, analysis, and decision; and vet the planning results through the applicable public involvement processes.

6. *What considerations will the FHWA/FTA take into account in their review of transportation planning products for acceptance in project development/NEPA?*

The FHWA and the FTA will give deference to decisions resulting from the transportation planning process if the FHWA and FTA determine that the planning process is consistent with the "3-C" planning principles and when the planning study process, alternatives considered, and resulting decisions have a rational basis that is thoroughly documented and vetted through the applicable public involvement processes. Moreover, any applicable program-specific requirements (e.g., those of the Congestion Mitigation and Air Quality Improvement Program or the FTA's Capital Investment Grant program) also must be met.

The NEPA requires that the FHWA and the FTA be able to stand behind the overall soundness and credibility of analyses conducted and decisions made during the transportation planning process if they are incorporated into a NEPA document. For example, if systems-level or other broad objectives or choices from the transportation plan are incorporated into the purpose and need statement for a NEPA document, the FHWA and the FTA should not revisit whether these are the best objectives or choices among other options. Rather, the FHWA and the FTA review would include making sure that objectives or choices derived from the transportation plan were: Based on transportation planning factors established by Federal law; reflect a credible and articulated planning rationale; founded on reliable data; and developed through transportation planning processes meeting FHWA and FTA statutory and regulatory requirements. In addition, the basis for the goals and choices must be documented and included in the NEPA document. The FHWA/FTA reviewers do not need to review whether assumptions or analytical methods used in the studies are the

best available, but, instead, need to assure that such assumptions or analytical methods are reasonable, scientifically acceptable, and consistent with goals, objectives, and policies set forth in long-range transportation plans. This review would include determining whether: (a) Assumptions have a rational basis and are up-to-date and (b) data, analytical methods, and modeling techniques are reliable, defensible, reasonably current, and meet data quality requirements.

## II. SUBSTANTIVE ISSUES

### GENERAL ISSUES TO BE CONSIDERED

7. *What should be considered in order to rely upon transportation planning studies in NEPA?*

The following questions should be answered prior to accepting studies conducted during the transportation planning process for use in NEPA. While not a "checklist," these questions are intended to guide the practitioner's analysis of the planning products:

- How much time has passed since the planning studies and corresponding decisions were made?
- Were the future year policy assumptions used in the transportation planning process related to land use, economic development, transportation costs, and network expansion consistent with those to be used in the NEPA process?
- Is the information still relevant/valid?
- What changes have occurred in the area since the study was completed?
- Is the information in a format that can be appended to an environmental document or reformatted to do so?
- Are the analyses in a planning-level report or document based on data, analytical methods, and modeling techniques that are reliable, defensible, and consistent with those used in other regional transportation studies and project development activities?
- Were the FHWA and FTA, other agencies, and the public involved in the relevant planning analysis and the corresponding planning decisions?
- Were the planning products available to other agencies and the public during NEPA scoping?
- During NEPA scoping, was a clear connection between the decisions made in planning and those to be made during the project development stage explained to the public and others? What was the response?
- Are natural resource and land use plans being informed by transportation planning products, and vice versa?

## PURPOSE AND NEED

*8. How can transportation planning be used to shape a project's purpose and need in the NEPA process?*

A sound transportation planning process is the primary source of the project purpose and need. Through transportation planning, State and local governments, with involvement of stakeholders and the public, establish a vision for the region's future transportation system, define transportation goals and objectives for realizing that vision, decide which needs to address, and determine the timeframe for addressing these issues. The transportation planning process also provides a potential forum to define a project's purpose and need by framing the scope of the problem to be addressed by a proposed project. This scope may be further refined during the transportation planning process as more information about the transportation need is collected and consultation with the public and other stakeholders clarifies other issues and goals for the region.

23 U.S.C. 139(f), as amended by the SAFETEA-LU Section 6002, provides additional focus regarding the definition of the purpose and need and objectives. For example, the lead agency, as early as practicable during the environmental review process, shall provide an opportunity for involvement by participating agencies and the public in defining the purpose and need for a project. The statement of purpose and need shall include a clear statement of the objectives that the proposed action is intended to achieve, which may include: (a) Achieving a transportation objective identified in an applicable statewide or metropolitan transportation plan; (b) supporting land use, economic development, or growth objectives established in applicable Federal, State, local, or Tribal plans; and (c) serving national defense, national security, or other national objectives, as established in Federal laws, plans, or policies.

The transportation planning process can be utilized to develop the purpose and need in the following ways:

(a) Goals and objectives from the transportation planning process may be part of the project's purpose and need statement;

(b) A general travel corridor or general mode or modes (e.g., highway, transit, or a highway/transit combination) resulting from planning analyses may be part of the project's purpose and need statement;

(c) If the financial plan for a metropolitan transportation plan indicates that funding for a specific project will require special funding sources (e.g., tolls or public-private financing), such information may be included in the purpose and need statement; or

(d) The results of analyses from management systems (e.g., congestion, pavement,

bridge, and/or safety) may shape the purpose and need statement.

The use of these planning-level goals and choices must be appropriately explained during NEPA scoping and in the NEPA document.

Consistent with NEPA, the purpose and need statement should be a statement of a transportation problem, not a specific solution. However, the purpose and need statement should be specific enough to generate alternatives that may potentially yield real solutions to the problem at-hand. A purpose and need statement that yields only one alternative may indicate a purpose and need that is too narrowly defined.

Short of a fully integrated transportation decision-making process, many State DOTs develop information for their purpose and need statements when implementing inter-agency NEPA/Section 404 process merger agreements. These agreements may need to be expanded to include commitments to share and utilize transportation planning products when developing a project's purpose and need.

*9. Under what conditions can the NEPA process be initiated in conjunction with transportation planning studies?*

The NEPA process may be initiated in conjunction with transportation planning studies in a number of ways. A common method is the "tiered EIS," in which the first-tier EIS evaluates general travel corridors, modes, and/or packages of projects at a planning level of detail, leading to the refinement of purpose and need and, ideally, selection of the design concept and scope for a project or series of projects. Subsequently, second-tier NEPA review(s) of the resulting projects would be performed in the usual way. The first-tier EIS uses the NEPA process as a tool to involve environmental, regulatory, and resource agencies and the public in the planning decisions, as well as to ensure the appropriate consideration of environmental factors in these planning decisions.

Corridor or subarea analyses/studies are another option when the long-range transportation plan leaves open the possibility of multiple approaches to fulfill its goals and objectives. In such cases, the formal NEPA process could be initiated through publication of a NOI in conjunction with a corridor or subarea planning study.

## ALTERNATIVES

*10. In the context of this Appendix, what is the meaning of the term "alternatives"?*

This Appendix uses the term "alternatives" as specified in the NEPA regulations (40 CFR 1502.14), where it is defined in its broadest sense to include everything from



major modal alternatives and location alternatives to minor design changes that would mitigate adverse impacts. This Appendix does not use the term as it is used in many other contexts (e.g., “prudent and feasible alternatives” under Section 4(f) of the Department of Transportation Act or the “Least Environmentally Damaging Practicable Alternative” under the Clean Water Act.

*11. Under what circumstances can alternatives be eliminated from detailed consideration during the NEPA process based on information and analysis from the transportation planning process?*

There are two ways in which the transportation planning process can begin limiting the alternative solutions to be evaluated during the NEPA process: (a) Shaping the purpose and need for the project; or (b) evaluating alternatives during planning studies and eliminating some of the alternatives from detailed study in the NEPA process prior to its start. Each approach requires careful attention, and is summarized below.

(a) *Shaping the Purpose and Need for the Project:* The transportation planning process should shape the purpose and need and, thereby, the range of reasonable alternatives. With proper documentation and public involvement, a purpose and need derived from the planning process can legitimately narrow the alternatives analyzed in the NEPA process. See the response to Question 8 for further discussion on how the planning process can shape the purpose and need used in the NEPA process.

For example, the purpose and need may be shaped by the transportation planning process in a manner that consequently narrows the range of alternatives that must be considered in detail in the NEPA document when:

(1) The transportation planning process has selected a general travel corridor as best addressing identified transportation problems and the rationale for the determination in the planning document is reflected in the purpose and need statement of the subsequent NEPA document;

(2) The transportation planning process has selected a general mode (e.g., highway, transit, or a highway/transit combination) that accomplishes its goals and objectives, and these documented determinations are reflected in the purpose and need statement of the subsequent NEPA document; or

(3) The transportation planning process determines that the project needs to be funded by tolls or other non-traditional funding sources in order for the long-range transportation plan to be fiscally constrained or identifies goals and objectives that can only be met by toll roads or other non-traditional funding sources, and that determination of those goals and objectives is reflected in the

purpose and need statement of the subsequent NEPA document.

(b) *Evaluating and Eliminating Alternatives During the Transportation Planning Process:* The evaluation and elimination of alternatives during the transportation planning process can be incorporated by reference into a NEPA document under certain circumstances. In these cases, the planning study becomes part of the NEPA process and provides a basis for screening out alternatives. As with any part of the NEPA process, the analysis of alternatives to be incorporated from the process must have a rational basis that has been thoroughly documented (including documentation of the necessary and appropriate vetting through the applicable public involvement processes). This record should be made available for public review during the NEPA scoping process.

See responses to Questions 4, 5, 6, and 7 for additional elements to consider with respect to acceptance of planning products for NEPA documentation and the response to Question 12 on the information or analysis from the transportation planning process necessary for supporting the elimination of an alternative(s) from detailed consideration in the NEPA process.

Development of planning Alternatives Analysis studies, required prior to MAP-21 for projects seeking funds through FTA’s Capital Investment Grant program, are now optional, but may still be used to narrow the alternatives prior to the NEPA review, just as other planning studies may be used. In fact, through planning studies, FTA may be able to narrow the alternatives considered in detail in the NEPA document to the No-Build (No Action) alternative and the Locally Preferred Alternative. If the planning process has included the analysis and stakeholder involvement that would be undertaken in a first tier NEPA process, then the alternatives screening conducted in the transportation planning process may be incorporated by reference, described, and relied upon in the project-level NEPA document. At that point, the project-level NEPA analysis can focus on the remaining alternatives.

*12. What information or analysis from the transportation planning process is needed in an EA or EIS to support the elimination of an alternative(s) from detailed consideration?*

The section of the EA or EIS that discusses alternatives considered but eliminated from detailed consideration should:

(a) Identify any alternatives eliminated during the transportation planning process (this could include broad categories of alternatives, as when a long-range transportation plan selects a general travel corridor based on a corridor study, thereby eliminating all alternatives along other alignments);

(b) Briefly summarize the reasons for eliminating the alternative; and

(c) Include a summary of the analysis process that supports the elimination of alternatives (the summary should reference the relevant sections or pages of the analysis or study) and incorporate it by reference or append it to the NEPA document.

Any analyses or studies used to eliminate alternatives from detailed consideration should be made available to the public and participating agencies during the NEPA scoping process and should be reasonably available during comment periods.

Alternatives passed over during the transportation planning process because they are infeasible or do not meet the NEPA “purpose and need” can be omitted from the detailed analysis of alternatives in the NEPA document, as long as the rationale for elimination is explained in the NEPA document. Alternatives that remain “reasonable” after the planning-level analysis must be addressed in the EIS, even when they are not the preferred alternative. When the proposed action evaluated in an EA involves unresolved conflicts concerning alternative uses of available resources, NEPA requires that appropriate alternatives be studied, developed, and described.

#### AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES

##### 13. *What types of planning products provide analysis of the affected environment and environmental consequences that are useful in a project-level NEPA analysis and document?*

The following planning products are valuable inputs to the discussion of the affected environment and environmental consequences (both its current state and future state in the absence of the proposed action) in the project-level NEPA analysis and document:

- Regional development and growth analyses;
- Local land use, growth management, or development plans; and
- Population and employment projections.

The following are types of information, analysis, and other products from the transportation planning process that can be used in the discussion of the affected environment and environmental consequences in an EA or EIS:

- (a) Geographic information system (GIS) overlays showing the past, current, or predicted future conditions of the natural and built environments;
- (b) Environmental scans that identify environmental resources and environmentally sensitive areas;
- (c) Descriptions of airsheds and watersheds;
- (d) Demographic trends and forecasts;

(e) Projections of future land use, natural resource conservation areas, and development; and

(f) The outputs of natural resource planning efforts, such as wildlife conservation plans, watershed plans, special area management plans, and multiple species habitat conservation plans.

However, in most cases, the assessment of the affected environment and environmental consequences conducted during the transportation planning process will not be detailed or current enough to meet NEPA standards and, thus, the inventory and evaluation of affected resources and the analysis of consequences of the alternatives will need to be supplemented with more refined analysis and possibly site-specific details during the NEPA process.

##### 14. *What information from the transportation planning process is useful in describing a baseline for the NEPA analysis of indirect and cumulative impacts?*

Because the nature of the transportation planning process is to look broadly at future land use, development, population increases, and other growth factors, the planning analysis can provide the basis for the assessment of indirect and cumulative impacts required under NEPA. The consideration in the transportation planning process of development, growth, and consistency with local land use, growth management, or development plans, as well as population and employment projections, provides an overview of the multitude of factors in an area that are creating pressures not only on the transportation system, but on the natural ecosystem and important environmental and community resources. An analysis of all reasonably foreseeable actions in the area also should be a part of the transportation planning process. This planning-level information should be captured and utilized in the analysis of indirect and cumulative impacts during the NEPA process.

To be used in the analysis of indirect and cumulative impacts, such information should:

- (a) Be sufficiently detailed that differences in consequences of alternatives can be readily identified;
- (b) Be based on current data (e.g., data from the most recent Census) or be updated by additional information;
- (c) Be based on reasonable assumptions that are clearly stated; and/or
- (d) Rely on analytical methods and modeling techniques that are reliable, defensible, and reasonably current.

## ENVIRONMENTAL MITIGATION

15. *How can planning-level efforts best support advance mitigation, mitigation banking, and priorities for environmental mitigation investments?*

A lesson learned from efforts to establish mitigation banks and advance mitigation agreements and alternative mitigation options is the importance of beginning inter-agency discussions during the transportation planning process. Development pressures, habitat alteration, complicated real estate transactions, and competition for potential mitigation sites by public and private project proponents can encumber the already difficult task of mitigating for “like” value and function and reinforce the need to examine mitigation strategies as early as possible.

Robust use of remote sensing, GIS, and decision support systems for evaluating conservation strategies are all contributing to the advancement of natural resource and environmental planning. The outputs from environmental planning can now better inform transportation planning processes, including the development of mitigation strategies, so that transportation and conservation goals can be optimally met. For example, long-range transportation plans can be screened to assess the effect of general travel corridors or density, on the viability of sensitive plant and animal species or habitats. This type of screening provides a basis for early collaboration among transportation and environmental staffs, the public, and regulatory agencies to explore areas where impacts must be avoided and identify areas for mitigation investments. This can lead to mitigation strategies that are both more economical and more effective from an environmental stewardship perspective than traditional project-specific mitigation measures.

## III. ADMINISTRATIVE ISSUES

16. *Are Federal funds eligible to pay for these additional, or more in depth, environmental studies in transportation planning?*

Yes. For example, the following FHWA and FTA funds may be utilized for conducting environmental studies and analyses within transportation planning:

- FHWA planning and research funds, as defined under 23 CFR part 420 (e.g., Metropolitan Planning (PL), Statewide Planning and Research (SPR), National Highway System (NHS), STP, and Equity Bonus); and
- FTA planning and research funds (49 U.S.C. 5303), urban formula funds (49 U.S.C. 5307), and (in limited circumstances) transit capital investment funds (49 U.S.C. 5309).

The eligible transportation planning-related uses of these funds may include: (a) Conducting feasibility or subarea/corridor

needs studies and (b) developing system-wide environmental information/inventories (e.g., wetland banking inventories or standards to identify historically significant sites). Particularly in the case of PL and SPR funds, the proposed expenditure must be closely related to the development of transportation plans and programs under 23 U.S.C. 134-135 and 49 U.S.C. 5303-5306.

For FHWA funding programs, once a general travel corridor or specific project has progressed to a point in the preliminary engineering/NEPA phase that clearly extends beyond transportation planning, additional in-depth environmental studies must be funded through the program category for which the ultimate project qualifies (e.g., NHS, STP, Interstate Maintenance, and/or Bridge), rather than PL or SPR funds.

Another source of funding is FHWA’s Transportation Enhancement program, which may be used for activities such as: conducting archeological planning and research; developing inventories such as those for historic bridges and highways, and other surface transportation-related structures; conducting studies to determine the extent of water pollution due to highway runoff; and conducting studies to reduce vehicle-caused wildlife mortality while maintaining habitat connectivity.

The FHWA and the FTA encourage State DOTs, MPOs, and public transportation operators to seek partners for some of these studies from environmental, regulatory, and resource agencies, non-government organizations, and other government and private sector entities with similar data needs, or environmental interests. In some cases, these partners may contribute data and expertise to the studies, as well as funding.

17. *What staffing or organizational arrangements may be helpful in allowing planning products to be accepted in the NEPA process?*

Certain organizational and staffing arrangements may support a more integrated approach to the planning/NEPA decision-making continuum. In many cases, planning organizations do not have environmental expertise on staff or readily accessible. Likewise, the review and regulatory responsibilities of many environmental, regulatory, and resource agencies make involvement in the transportation planning process a challenge for staff resources. These challenges may be partially met by improved use of the outputs of each agency’s planning resources and by augmenting their capabilities through greater use of GIS and remote sensing technologies (see <http://www.gis.fhwa.dot.gov/> for additional information on the use of GIS). Sharing databases and the planning products of local land use decision-makers and State and Federal environmental, regulatory, and resource agencies also provide efficiencies in

acquiring and sharing the data and information needed for both transportation planning and NEPA work.

Additional opportunities such as shared staff, training across disciplines, and (in some cases) reorganizing to eliminate structural divisions between planning and NEPA practitioners may also need to be considered in order to better integrate NEPA considerations into transportation planning studies. The answers to the following two questions also contain useful information on training and staffing opportunities.

*18. How have environmental, regulatory, and resource agency liaisons (Federally and State DOT funded positions) and partnership agreements been used to provide the expertise and interagency participation needed to enhance the consideration of environmental factors in the planning process?*

For several years, States have utilized Federal and State transportation funds to support focused and accelerated project review by a variety of local, State, Tribal, and Federal agencies. While Section 1309(e) of the TEA-21 and its successor in SAFETEA-LU section 6002 speak specifically to transportation project streamlining, there are other authorities that have been used to fund positions, such as the Intergovernmental Cooperation Act (31 U.S.C. 6505). In addition, long-term, on-call consultant contracts can provide backfill support for staff that are detailed to other parts of an agency for temporary assignments. At last count (as of 2015), over 200 positions were being funded. Additional information on interagency funding agreements is available at: <http://environment.fhwa.dot.gov/strmlng/igdocs/index.htm>.

Moreover, every State has advanced a variety of stewardship and streamlining initiatives that necessitate early involvement of environmental, regulatory, and resource agencies in the project development process. Such process improvements have: addressed the exchange of data to support avoidance and impact analysis; established formal and informal consultation and review schedules; advanced mitigation strategies; and resulted in a variety of programmatic reviews. Interagency agreements and work plans have evolved to describe performance objectives, as well as specific roles and responsibilities related to new streamlining initiatives. Some States have improved collaboration and efficiency by co-locating environmental, regulatory, and resource and transportation agency staff.

*19. What training opportunities are available to MPOs, State DOTs, public transportation operators and environmental, regulatory, and resource agencies to assist in their understanding of the transportation planning and NEPA processes?*

Both the FHWA and the FTA offer a variety of transportation planning, public involvement, and NEPA courses through the National Highway Institute and/or the National Transit Institute. Of particular note is the Linking Planning and NEPA Workshop, which provides a forum and facilitated group discussion among and between State DOT; MPO; Federal, Tribal, and State environmental, regulatory, and resource agencies; and FHWA/FTA representatives (at both the executive and program manager levels) to develop a State-specific action plan that will provide for strengthened linkages between the transportation planning and NEPA processes.

Moreover, the U.S. Fish and Wildlife Service offers Green Infrastructure Workshops that are focused on integrating planning for natural resources (“green infrastructure”) with the development, economic, and other infrastructure needs of society (“gray infrastructure”).

Robust planning and multi-issue environmental screening requires input from a wide variety of disciplines, including information technology; transportation planning; the NEPA process; and regulatory, permitting, and environmental specialty areas (e.g., noise, air quality, and biology). Senior managers at transportation and partner agencies can arrange a variety of individual training programs to support learning curves and skill development that contribute to a strengthened link of the transportation planning and NEPA processes. Formal and informal mentoring on an intra-agency basis can be arranged. Employee exchanges within and between agencies can be periodically scheduled, and persons involved with professional leadership programs can seek temporary assignments with partner agencies.

#### IV. ADDITIONAL INFORMATION ON THIS TOPIC

Valuable sources of information are FHWA’s environment Web site (<http://www.fhwa.dot.gov/environment/index.htm>) and FTA’s environmental streamlining Web site (<http://www.environment.fta.dot.gov>). Another source of information and case studies is NCHRP Report 8-38 (Consideration of Environmental Factors in Transportation Systems Planning), which is available at [http://www4.trb.org/trb/crp.nsf/All?\\*\\*\\*\\*\\*38](http://www4.trb.org/trb/crp.nsf/All?*****38). In addition, AASHTO’s Center for Environmental Excellence Web site is continuously updated with news and links to information of interest to transportation and environmental professionals ([www.transportation.environment.org](http://www.transportation.environment.org)).