

Linking environmental and transportation planning (transportation)

1. Introduction

Dear Colleagues:

This survey, sponsored by the National Cooperative Highway Research Program (NCHRP), will collect examples of successful approaches to linking environmental resource planning and transportation planning.

There is a requirement included in the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) legislation for a consultation process between transportation agencies and resource agencies during the development of Long Range Transportation Plans, and consideration of available resource plans, maps and data during the transportation planning process.

By participating in this survey, you will contribute to a growing body of knowledge about how transportation and resource agencies and organizations are integrating their planning and data sharing efforts as well as what innovative techniques and approaches others might want to consider, and what issues still need to be addressed.

The results of this survey will be sent to you, and will be posted on several agency-sponsored websites.

In the following survey, the term 'planning' is meant to include:

- long term and shorter range planning,
- developing goals and objectives,
- gathering and analyzing data and information,
- developing and analyzing maps,
- developing performance measures,
- conducting public involvement, and
- developing a dialogue with other agencies and organizations aimed at the integration of environmental and transportation planning.

We appreciate your response, and also encourage you to forward this survey link to colleagues or partners that you think would be interested in providing input. Please copy Danny Kwan at dkwan@camsys.com when you send this link to others so that we can have a complete record of the distribution of this survey.

The survey for transportation professionals can be accessed at:
http://www.surveymonkey.com/s.aspx?sm=HW_2bSiJh2EplpJN8fb_2batgg_3d_3d

The survey for environmental and natural resource professionals can be accessed at:
http://www.surveymonkey.com/s.aspx?sm=TGMVktW5R7xHk0BkTJ_2fOQ_3d_3d

Questions about this survey can be directed to:

Danny Kwan
Phone: (301) 347-9132
E-mail: dkwan@camsys.com

or to

Shara Howie
Phone: (703) 797-4811
E-mail: Shara_howie@natureserve.org

Thank you!

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2. Background Information

* 1. What agency or organization do you represent?

- State Department of Transportation (DOT)
- Metropolitan Planning Organizations (MPOs)
- Federal Highway Administration (FHWA)/ Federal Transit Administration (FTA)
- Regional Planning Office
- Other (Please specify)

Please specify

* 2. What is your primary role or expertise in this agency or organization?

- Long range planning
- Project programming
- Project delivery
- Design
- Environment
- Construction
- Maintenance / operations
- Policy
- GIS and or other data or computer tools or analyses
- Other (Please specify)

Other, please specify below

3. (Optional) Please provide contact information.

Name	<input type="text"/>
Title	<input type="text"/>
Mailing Address	<input type="text"/>
City	<input type="text"/>
State	<input type="text"/>
Zip Code	<input type="text"/>
Phone Number	<input type="text"/>
Email Address	<input type="text"/>

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*** 4. Are you working with environmental/natural resource agency staff to integrate environmental resource planning into transportation planning including the integration of data and involvement of agency personnel?**

- No, survey proceeds to question 5
 Yes, survey skips to question 17

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3. General Input from Survey Participants Not Currently Involved in Integrated...

5. Are you familiar with the processes and outcomes involved in environmental resource planning?

- Yes
 No

Comments

6. Do you have a good understanding of what it means to successfully link environmental and transportation planning?

- Yes
 No

Comments

7. What would help you the most in starting the process of linking environmental and transportation planning? Please select your top three or four choices.

- Support from your organization's upper management for staff to collaborate with environmental resource agencies.
- Changes in organizational structure or staff expertise.
- Staff incentives (e.g. recognition, funding, etc.) for furthering collaboration between transportation and environmental resource planning.
- Annual statewide interdisciplinary planning meetings and/or workshops to assist the transportation and resource agencies' efforts to collaborate.
- Examples of successes in interdisciplinary and collaborative efforts.
- Examples of successes in the use of expertise, data and tools.
- Identification of the key environmental and biological datasets that are needed to inform transportation planning and decision making.
- Identification of key transportation data and information that are needed to inform environmental planning and decision making.
- Regular access to experts in the environmental field to assist in identifying environmental goals, accessing 'best available' data, and assist in identifying how environmental priorities could conflict with transportation planning efforts.
- Other (please specify)

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8. Which environmental and/or natural resource agencies or organizations would you consult with as part of your transportation planning process? Please check all that apply.

- | | |
|--|---|
| <input type="checkbox"/> U.S. Army Corps of Engineers | <input type="checkbox"/> U.S. National Park Service |
| <input type="checkbox"/> U.S. Bureau of Indian Affairs | <input type="checkbox"/> State Fish and Game Agency |
| <input type="checkbox"/> U.S. Bureau of Land Management | <input type="checkbox"/> State Department of Natural Resources |
| <input type="checkbox"/> U.S. Department of Agriculture | <input type="checkbox"/> State Planning agency |
| <input type="checkbox"/> U.S. Environmental Protection Agency | <input type="checkbox"/> Regional/local parks or environmental department |
| <input type="checkbox"/> U.S. Fish and Wildlife Service | <input type="checkbox"/> Tribal Agencies (Please specify part of agency) |
| <input type="checkbox"/> U.S. Forest Service | <input type="checkbox"/> Non-profit organization (Please specify) |
| <input type="checkbox"/> U.S. Geological Survey | <input type="checkbox"/> Other agency or organization (Please specify) |
| <input type="checkbox"/> U.S. National Oceanic and Atmospheric Administration (NOAA) Fisheries | |

Please specify below

9. What environmental/natural resource plans do you think would be most useful to inform the transportation planning process? Please check all that apply.

- State Wildlife Action Plans (Potential Conservation Opportunity Area Maps)
- Wetland Conservation Plans
- Ecoregional Plans (The Nature Conservancy)
- Other high priority conservation site or area plans (developed by Federal, state, or local agencies or other organizations)
- Fisheries/wildlife management/restoration plans
- Recovery plans/conservation frameworks for Endangered Species Act (ESA) listed species
- Historic preservation plans
- Open space plans
- Development/land use plans (local, regional or state-wide)
- Other (please list and describe below)

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10. What environmental/natural resource data do you think would be most useful to inform the transportation planning process? Please check all that apply.

- Air quality data
- Water quality data/hydrological models
- Mapped locations of environmental/natural resources
- Maps of ESA listed species and associated critical habitat
- Mapped wetlands (including functions and values)
- Trends of habitat or other ecological units (change in condition over time)
- Wildlife corridors/primary location of animal crossings
- Infrastructure design recommendations to facilitate animal crossings
- Landscaping or roadside planting guidance (to prevent introduction of invasive species, support native species, avoid attracting wildlife, and minimize effects of transportation route maintenance)
- Noise/vibration impact guidance (to minimize impact of transportation routes/construction on ESA species and critical habitat)
- Vegetation mapping
- Other (please list and describe below)

11. Have you had success in obtaining environmental/natural resource plans and/or data?

- Yes
- No

Please explain

12. What types of transportation plans and/or information do you think would be useful to environmental/natural resource agencies to inform their planning process? Please check all that apply.

- Transportation corridors and projects proposed in long range plans
- Transportation routes proposed in other plans (such as modal , sub-area or corridor plans)
- Transportation Improvement Programs (TIPs)
- Roadside planting plans
- Road maintenance plans and programs
- Other plans or datasets (list and describe each below)

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13. Have you made efforts to provide transportation planning information to environmental/natural resource staff?

Yes

No

Please explain

14. What do you perceive as the primary obstacles to integrating environmental resource and transportation planning efforts? Please check all that apply.

Staff availability or commitment in your office/division

Inadequate expertise in your office/division regarding transportation planning activities

Lack of complete, quality and/or appropriate environmental/conservation data

Insufficient staff availability or commitment in transportation agencies/organizations

Lack of complete, quality and/or appropriate transportation related data

Inadequate funding

Communication or process barriers

Other

Comments

15. What else, if anything, needs to happen to facilitate the integration of environmental resource and transportation planning?

16. What else would make transportation planning consultation with environmental resource agencies/organizations more effective?

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4. General Input from Survey Participants Currently Involved in Integrated Pla...

*** 17. Overall, do you think you have been successful in improving the effectiveness of your transportation planning process by integrating environmental resource planning?**

Yes, survey will proceed to question 21 after this page

No, survey will skip to question 33 after this page

18. If yes, what is the primary reason for your success in improving the effectiveness of your transportation planning process by integrating environmental resource planning?

19. Do you think that environmental resource planning in your area has been informed and improved by integrating transportation planning?

Yes

No

Please describe

20. Are you aware of other success stories? Please provide a point of contact (including name, email, phone #, agency or organization and title of effort) for other efforts to integrate environmental resource and transportation planning.

Point of Contact 1

Point of Contact 2

Point of Contact 3

Point of Contact 4

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5. Example of Integrated Planning

21. Example of Integrated Planning. Please describe your experience in successfully integrating environmental resource and transportation planning (integrated planning).

Description: (please provide a few words that best describes your integrated planning example)

How did this integrated planning effort get initiated?

What helped to get the integrated planning process started?

What was the geographic scope of this integrated planning effort?

Who had a major role in the integrated planning process (list names and agencies/organizations)?

22. What type of environmental resource plans and data were available to you? Please check all that apply.

- | | |
|--|--|
| <input type="checkbox"/> State Wildlife Action Plans (Potential Conservation Opportunity Area Maps) | <input type="checkbox"/> Water quality data/hydrological models |
| <input type="checkbox"/> Wetland Conservation Plans | <input type="checkbox"/> Mapped locations of environmental/natural resources |
| <input type="checkbox"/> Ecoregional Plans (The Nature Conservancy) | <input type="checkbox"/> Maps of ESA listed species and associated critical habitat |
| <input type="checkbox"/> Other high priority conservation site or area plans (developed by Federal, state, or local agencies or other organizations) | <input type="checkbox"/> Mapped wetlands (including functions and values) |
| <input type="checkbox"/> Fisheries/wildlife management/restoration plans | <input type="checkbox"/> Trends of habitat or other ecological units (change in condition over time) |
| <input type="checkbox"/> Recovery plans/conservation frameworks for Endangered Species Act (ESA) listed species | <input type="checkbox"/> Wildlife corridors/primary location of animal crossings |
| <input type="checkbox"/> Historic preservation plans | <input type="checkbox"/> Infrastructure design recommendations that facilitate animal crossings |
| <input type="checkbox"/> Open space plans | <input type="checkbox"/> Landscaping or roadside planting guidance (to prevent introduction of invasive species, support native species, and minimize effects of transportation route maintenance) |
| <input type="checkbox"/> Development/land use plans (local, regional or state-wide) | <input type="checkbox"/> Noise/vibration impact guidance (to minimize impact of transportation routes/construction on ESA species and critical habitat) |
| <input type="checkbox"/> Air quality data | <input type="checkbox"/> Vegetation mapping |
| <input type="checkbox"/> Other plans or datasets (list and describe each below)
<input type="text"/> | |

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23. Were the environmental plans, data, maps, and agency personnel readily accessible?

Yes

No

Please explain

24. How did you use the environmental resource plans, data, and/or maps? Please check all that apply.

To create high level transportation planning goals in consultation with environmental resource staff.

To conduct new independent analyses (i.e., overlay environmental resource and transportation plans, evaluating land use scenarios, etc.) to inform the transportation planning process.

Other (describe)

25. Describe the integrated planning process that you used. Did the process involve:

	Yes	No
Identifying conservation targets?	<input type="radio"/>	<input type="radio"/>
Data/information gathering?	<input type="radio"/>	<input type="radio"/>
Identifying data/information gaps?	<input type="radio"/>	<input type="radio"/>
Data analyses?	<input type="radio"/>	<input type="radio"/>
Joint scenario planning (joint evaluation of land use scenarios based on conservation and transportation goals)?	<input type="radio"/>	<input type="radio"/>
Discussions with environmental/ natural resource staff only?	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>

Other (please specify)

26. Were there successful outcomes resulting from the integration of environmental resource and transportation planning?

Yes

No

27. If yes, what were these outcomes?

Outcome 1

Outcome 2

Outcome 3

Outcome 4

Outcome 5

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28. Were there negative outcomes resulting from the integration of environmental resource and transportation planning?

Yes

No

29. If yes, what were these outcomes?

Outcome 1

Outcome 2

Outcome 3

Outcome 4

Outcome 5

30. Did you make information related to transportation plans available to environmental/natural resource agencies?

Yes

No

If no, why?

31. Regarding the question above, please describe the type of information provided.

32. How did environmental agencies use this information in their planning process?

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6. Summary of Integrated Planning Experience

33. What are your top 3 choices of environmental expertise that were most helpful in your success of integrating environmental and transportation planning? Please rank in order (with 1 being highest) by choosing one selection for each number.

	1	2	3
Expertise in environmental resource planning (setting and evaluating measurable goals)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in acquisition and use of conservation data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in land acquisition to support conservation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in at-risk species or ecological community management (i.e., developing guidance for roadside planting based on information like known threats and effective management techniques)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in integration and analysis of conservation data with other datasets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in use of land use or other decision support systems that support integrated planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other types of environmental expertise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please list and describe other types of environmental expertise below

34. What are your top 3 choices of transportation expertise that were most helpful in your success of integrating environmental and transportation planning? Please rank in order (with 1 being highest) by choosing one selection for each number.

	1	2	3
Expertise in transportation corridors and projects proposed in long range plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in transportation routes proposed in other plans (such as modal, sub-area or corridor plans)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in the Transportation Improvement Programs (TIPs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in roadside planting plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expertise in road maintenance plans and programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other types of transportation expertise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please list and describe other types of transportation expertise below

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7. Additional Input from Survey Participants Involved in Integrated Planning

35. Which of the environmental/natural resource plans listed below are (would be) most useful in achieving integrated planning? Please rank the usefulness of these plans. (1 being less useful and 5 being most useful) Are plans available now? (Check Available or Not Available)

	1 - less useful	2	3	4	5 - most useful	Available	Not Available
State Wildlife Action Plans (Potential Conservation Opportunity Area Maps)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wetland Conservation Plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ecoregional Plans (The Nature Conservancy)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other high priority conservation site or area plans (developed by Federal, state, or local agencies or other organizations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fisheries/wildlife management/restoration plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery plans/conservation frameworks for Endangered Species Act (ESA) listed species	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic preservation plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Open space plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development/Land use plans (local, regional or state-wide)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (list and describe each below) or additional comments

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36. Which of the environmental/natural resource data listed below are (would be) most useful in achieving integrated planning? Please rank the usefulness of these data. (1 being less useful and 5 being most useful) Are data available now? (Check Available or Not Available)

	1 - less useful	2	3	4	5 - most useful	Available	Not Available
Air quality data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water quality data/hydrological models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mapped locations of environmental/natural resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maps of ESA listed species and associated critical habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mapped wetlands (including functions and values)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trends of habitat or other ecological units (change in condition over time)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildlife corridors/primary location of animal crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infrastructure design recommendations that facilitate animal crossings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landscaping or roadside planting guidance (to prevent introduction of invasive species, support native species, and minimize effects of transportation route maintenance)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noise/vibration impact guidance (to minimize impact of transportation routes/construction on ESA species and critical habitat)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation mapping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (list and describe each below) or additional comments

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37. Are there any specific modeling outputs (spatial and temporal scales) that are (would be) useful in achieving integrated planning? Please rank the usefulness of these models. (1 being less useful and 5 being most useful) Are models available now? (Check Available or Not Available)

	1 - less useful	2	3	4	5 - most useful	Available	Not Available
Models of potential species/habitat locations (predictive range maps)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Model projections of future climate and ecological change (temperature, precipitation, relative sea level rise, storm frequency/intensity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Models of land use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Predictive archeological models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Models to assess environmental impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Models of population dynamics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Models of noise and other effect from roads dependent on size of road	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Models of stormwater runoff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Travel demand models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other useful models (list and describe each below) or additional comments

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38. Which of the following are most useful in supporting integrated planning? Please rank these on a scale of 1 to 5 (1 being less useful and 5 being most useful).

	1 - less useful	2	3	4	5 - most useful
Support from your organization's upper management for staff to collaborate with environmental resource agencies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changes in organizational structure or staffing expertise.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Staff incentives (e.g. recognition, funding, etc.) for furthering collaboration between transportation and environmental resource planning.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Annual statewide interdisciplinary planning meetings and/or workshops to assist the transportation and environmental agencies' efforts to collaborate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A process to ensure that environmental considerations are taken into account at all levels of transportation decision-making (e.g., decisions made during the planning phases are communicated during project implementation).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Examples of successes in interdisciplinary and collaborative efforts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Examples of successes in the use of expertise, data and tools.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identification of the key environmental and biological datasets that are needed to inform transportation planning and decision making.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identification of the key transportation datasets that are needed to inform environmental resource planning and decision making.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Availability of toolkits and Q&A summaries on how to meet SAFETEA-LU provisions for long-range transportation planning.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regular access to experts in the environmental field to assist in identifying environmental goals, accessing 'best available' environmental resource data, and conducting environmental resource planning as part of larger transportation planning process.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

39. List computer systems/tools that you currently use, and find useful, to integrate environmental and transportation plans, data and/or maps to inform integrated planning. Describe function that makes tool most useful.

System/tool #1

System/tool #2

System/tool #3

System/tool #4

System/tool #5

Comments

40. In addition to the functions described above, what other functions or capabilities (not currently available), would be useful in a tool that supports integrated planning? Please describe.

41. What would you change to make environmental resource plans, data, or maps more useful for transportation planning?

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42. What would you change to make transportation plans, data, or maps more useful for environmental resource planning?

43. Are there other things, not addressed in this survey, that you think would make transportation planning consultation with environmental resource agencies/organizations more productive or effective?