

EA Evaluation Steps 1 & 2

Administrative Activities and Internal Scoping, and Agency Scoping and Public Involvement (Sections A - E)

A. Project Identification

Originating Office: District 01 Date: 08/20/07
County: Crawford Township/Municipality: Union Township, Greenwood Township

SR: 0079 Section: A01

Limits of Work (Segment/Offset)
Start: End:

Total Length: m(ft)

Program: Funding: federal state local

PETS 4221: Change this question to read "Are the estimated construction costs reflected on a current fiscally constrained transportation plan?" Remove the TYP questions and replace them with a single Remarks Box. Add a link that reads "Refer to guidelines for Coordinating Environmental Approvals and Fiscally Constrained Transportation Plans & Programs."

Is construction funding on the current Transportation Improvement Program (TIP)? Yes No

If not on TIP, is it on the current Twelve-Year Program (TYP)? Yes No

If it is on TYP, explain:

Has the project been right-sized? Yes No

Date of first Federal Authorization:

Date of Time Extension(s):

MPMS Number: 123

Is a Congestion Management System Analysis Needed?

No PETS, Request from FHWA: Add a new question here that reads "Have Context Sensitive Solutions/Smart Transportation Strategies been integrated into the project?" Provide Y/N radio buttons and a Remarks section afterwards.

**No PETS: Change these two questions to read:
"Date of First Federal Authorization for Preliminary Engineering"
"Date of Federal Authorization Time Extension(s) for Preliminary Engineering (if applicable)"**

EA Evaluation Step 3
Alternatives Development and Impact Analysis (Sections A - B)

A. Design Criteria for Project

Functional Classification: Urban Rural

Current ADT: 11,090 (2007) Design Year ADT:

DHV: Truck%: 25 D (Directional Distribution)%:

Design Speed: (65) km/h (mi/h)
Pavement Width: (24) m (ft)
Clear Zone: m (ft)

Design Exception Required? Yes
If "Yes", explain.

PETS 4225:
Revise this section to include the Current ADT, Design Year No-Build and Build ADT, as well as Current and Future Build LOS. An orange note will be provided to explain that the Design Year No-Build/Build ADT and Current and Future LOS are required for PM2.5 analysis, and can be left blank if that analysis is not needed.

Proposed Number of Lanes:

Setting: Urban Suburban Rural

Topography: Level Rolling Mountainous

B. Alternatives Considered

Please list all alternatives considered and add an *Alternative Description Form (Form 3B)* for each alternative considered.

No-Build Alternative

EA Evaluation Step 3
Alternatives Development and Impact Analysis (Section C)

C. Summary of Impacts

NATURAL RESOURCES*	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
No. of Wetlands					
Wetland Area [hectares (acres)]					
EV Wetland [hectares (acres)]					
No. Stream Crossings					
HQ/EV Streams/Watersheds [hectares (acres)]					
No. of Wild or Stocked Trout Streams					
Coastal Zone Involvement	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Navigable Waterways	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Invasive Non-Native Plants	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Sensitive Aquifers	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
No. of Public/Private Wells					
100-yr. Floodplains [hectares (acres)]					
100-yr. Floodways [hectares (acres)]					
Erosion-prone Areas Exposed [hectares (acres)]					
No. of Unique Geological Resources					
Threatened or Endangered Species	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Forestland [hectares (acres)]					
Rangeland [hectares (acres)]					
Sanctuaries/Refuges [hectares (acres)]					
Productive Agricultural Land [hectares (acres)]					
Prime Agricultural Land [hectares (acres)] - ALPP					
Farmland Soils - FPPA	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
No. of Farm Operations Affected					
State Game Lands, Forest or Parks [hectares (acres)]					
No. of National Natural Landmarks					
No. of Natural and Wild Areas					

COMMUNITY RESOURCES*	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
No. of Residential Structures/Units					
No. of Commercial Structures/Units					
No. of Community Facilities					

No. of Parks & Recreation Facilities					
Involves Public Controversy	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Impacts to Community Cohesion	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
No. of Cemeteries					
Intrusions on Visually Sensitive Areas	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Impacts to Low-income or Minority Populations	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
No. of Impacts to Major Utilities					
Impacts to Proposed Development Areas	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Conformance with Local and Regional Land Use Planning and Zoning	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Secondary and Cumulative Impacts	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Impacts to Civil Defense	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

CULTURAL RESOURCES*	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
No. of Eligible or Listed National Register Sites/Districts Adversely Affected					
No. of Known Archaeological Sites					
High Probability Archaeological Areas [hectares (acres)]					
No. of National Register Sites of State/National Significance					
No. of National Historic Landmarks					
No. of Archaeological Sites that Warrant Preservation in Place					

SAFETY AND MOBILITY*	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
Level of Service Achieved					
Projected Traffic Volumes (Design Year)					
No. of New Signalized Intersections or Interchanges					
No. of Pedestrian Crosswalks/Overpasses Affected					
No. of Railroad Facilities Affected/Type					
Opportunities for Multimodal Connectivity	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Negatively Affects Local Access	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Negatively Affects Regional Access	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
No. of Hiking Trails/Scenic Walkways Affected					
No. of Bikeways Affected					

AIR, NOISE, AND VIBRATION	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
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Air Quality**					
Conforms with MPO's SIP	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Noise***					
Potential Vibration Impacts	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

WASTE SITES	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
No. of Waste Sites					
Area of Waste Sites [hectares (acres)]					
No. of Brownfield Sites					
Area of Brownfield Sites					

PETS 4215: Change title to read "Section 4(f) and Section 6(f)*". Add a row titled "No. of Section 6(f) Properties Impacted".

SECTIONS 4(f)*	No-Build Alternative	Alternative	Alternative	Alternative
No. of Section 4(f) Resources Used				

No PETS: Change Section 4(f) "Resources" to Section 4(f) "Properties" based on recent 4(f) guidance.

COST	No-Build Alternative	Alternative	Alternative	Alternative	Alternative
Estimated Construction					

- * If impacts are significant, a PETS (4215) must be completed for each resource affected.
- ** Number of sensitive receptor sites which exceed state and/or federal guidelines for CO2 levels.
- *** Number of sensitive receptor sites which exceed state and/or federal guidelines for noise abatement.

Additional Information

Remarks, Footnotes, Supplemental Data

Attachments

PETS 4225: Change "CO2 levels" to read "CO and PM2.5/PM10 levels".

Other Information / Not Consistent Mitigation Measures

Attachment F - Supporting Documentation

Check the appropriate box to indicate what supporting documentation is required for this EA. Supporting documentation is not limited to the items provided below. Additional documentation required must be noted. Unless otherwise noted, supporting documentation is to be included in the Technical Support Data for the project and will be made available for review upon request.

1. Cultural Resource Documents*

- Not Applicable
- PCRRF
- Section 106 Clearance Letter(s)
- Historic Structures Survey
- Phase I Archaeology Survey
- Phase II Archaeology Survey
- Determination of Eligibility Report
- Determination of Effect Report **
 - No Effect
 - No Adverse Effect
 - Adverse Effect

Recordation Report

Memorandum of Agreement

*All Section 106 clearance letters must be attached.

**Effect Determination information does not need to be noted if Section 106 coordination is completed.

No PETS: Add a checkbox for "TE Project Field Assessment and Finding Checklist".

2. Section 4(f) Evaluation (attach if required for the project)

- Not Required
- Individual
- Programmatic (specify title):

No PETS: Add a radio button for "De Minimis" based on SAFETEA-LU

PETS 4215: Add a new section with radio buttons that reads:

3. Section 6(f) Evaluation

Not required

Checklist (attached)

Coordination with NPS/DCNR (LWCF)

Coordination with PA General Assembly/DCNR (Project 70)

3. Wetlands Documents

Wetland Identification and Delineation Report

Delineation and Field Survey

Functional Assessment Analysis

WET 2.0 PAM HEP Narrative Analysis

404(b)(1) Alternate Analysis (attach if required for the project)

Executive Order 11990 Compliance (check box if applicable)

Based on information herewithin, it is determined that there is no practicable alternative to the proposed construction in wetlands and the proposed action includes all practicable measures to minimize harm to wetlands which may result from such use.

Options/design modifications were investigated to avoid impacts to wetlands: Yes No

There are no practicable alternatives to construction within the wetlands: Yes No

The alternative chosen (proposed project) includes all practicable measures to minimize harm to wetlands: Yes No

Alternative _____ has been determined to be the most practicable alternative for wetlands.

Mitigation Plan

4. Waste Site Documentation

None Required Phase I ESA Phase II ESA Phase III ESA

5. Congestion Management Systems (CMS) & Major Investment Study (MIS) Documentation

CMS Analysis

Not Required Required

(Include CMS Report, if required for the project, in Technical Support Data File)

MPO Coordination Letter(s)

MIS Analysis

Not Required Required

(Include MIS Report, if required for the project, in Technical Support Data File)

MPO Coordination Letter(s)

6. Other Documents and Approval Letters

Air Quality Quantitative Analysis

Air Quality Qualitative Analysis

Conceptual Stage Survey Report for Relocation Impacts (attach if required for project)

DEP Erosion and Sedimentation Control Plan

Environmental Mitigation Plan

Floodplain Finding

Farmland Assessment Report/ALCAB Coordination

Form AD-1006 - Farmland Conversion Impact Rating Form (attach if not in compliance)

Noise Quantitative Analysis

Noise Qualitative Analysis

PAM HEP

PNDI; USFW; PGC and PFBC coordinaton

Other (specify below)

**PETS 4116: Add a checkbox for
Bicycle/Pedestrian Checklist**

Other Information

Additional Information

Remarks, Footnotes, Supplemental Data

Attachments