

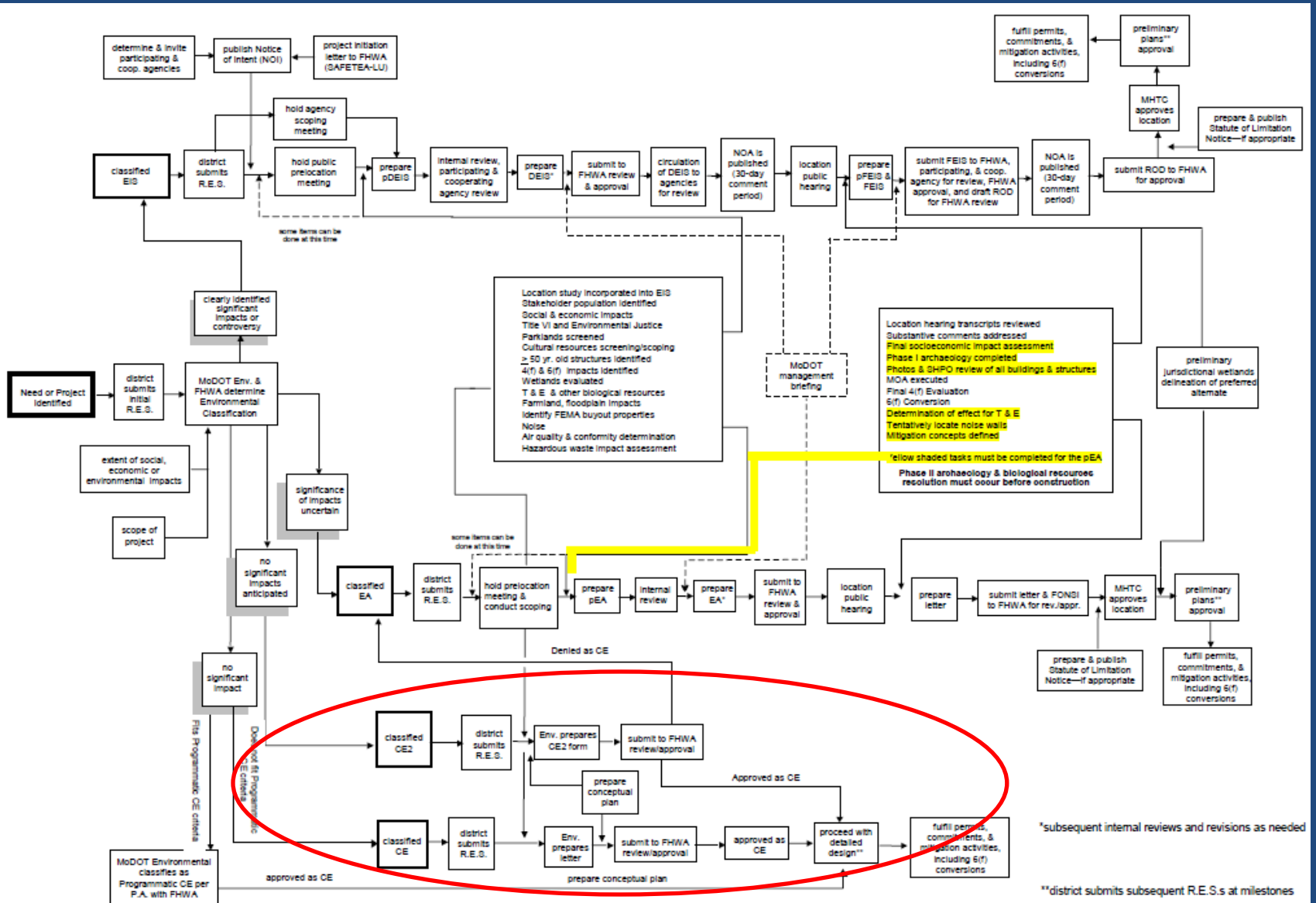


How to Write a CE2 (and get FHWA approval)

MoDOT Environmental and Historic
Preservation Section

FHWA – Missouri Division

EPG 127.14 NEPA Process Flow Chart



Take-Aways

- PCE overview: CE2 vs. CE2
- When to submit the RER
- CE2 submittal process
- Size of the document
- How long does the process take?
 - How can you speed up the process?



What HAS to be complete to get an approved CE2?

- Noise study (if applicable)
- Section 106 effects determination and SHPO concurrence or MOA executed
- Initiation of Tribal consultation
- ESA concurrence or no effect analysis
- 4(f)/6(f) use and any public involvement (if applicable)
 - and concurrence from the official with jurisdiction
- STIP/TIP/LRP documentation
- Commitments to complete other clearances/permits
- And other applicable requirements



In your packet



- Programmatic CE Agreement (EPG 127.14.3.1)
- CE2 template (EPG 136.6)
 - Good description example
- Example RER with resource map
- Presentation slides

Key Components of a CE2

- Basic purpose and need of the project
 - Logical termini/Independent utility
- Project description and study area
- Resource and impact analysis
- Agency coordination
- Commitments and responsible party
- Supporting attachments



Basic Purpose and Need of the Project

- What is the purpose of the project? Generally determined by the transportation need. Doesn't need to be in-depth like an EA.
- Logical termini/Independent Utility
(23 CFR 771.111)
 - A function of the purpose and need

got purpose?

Description

- Detailed description of the project
 - Include location map
 - kmz files are preferred
 - Logical termini/end points
 - Environmental study area vs. project footprint
 - Traffic AADT for design and construction year
 - Right of way/easements expected
 - Displacements



Good Example

Department of Trans America Project Description

Project Name: J-bridge123

Project Description:

This project would replace the bridge over MoDOT Creek on T Road located in America County, 0.18 miles west of the west corporate limits of J City, at mile marker (MM) 0.38. Construction may begin approximately 200 feet ahead of or beyond the actual project limits to accommodate transitioning the pavement.

The existing roadway on this segment of T Road consists of two 11 foot wide concrete lane and 10 foot wide earth shoulders. The existing bridge consists of a clear roadway width of 26 feet.

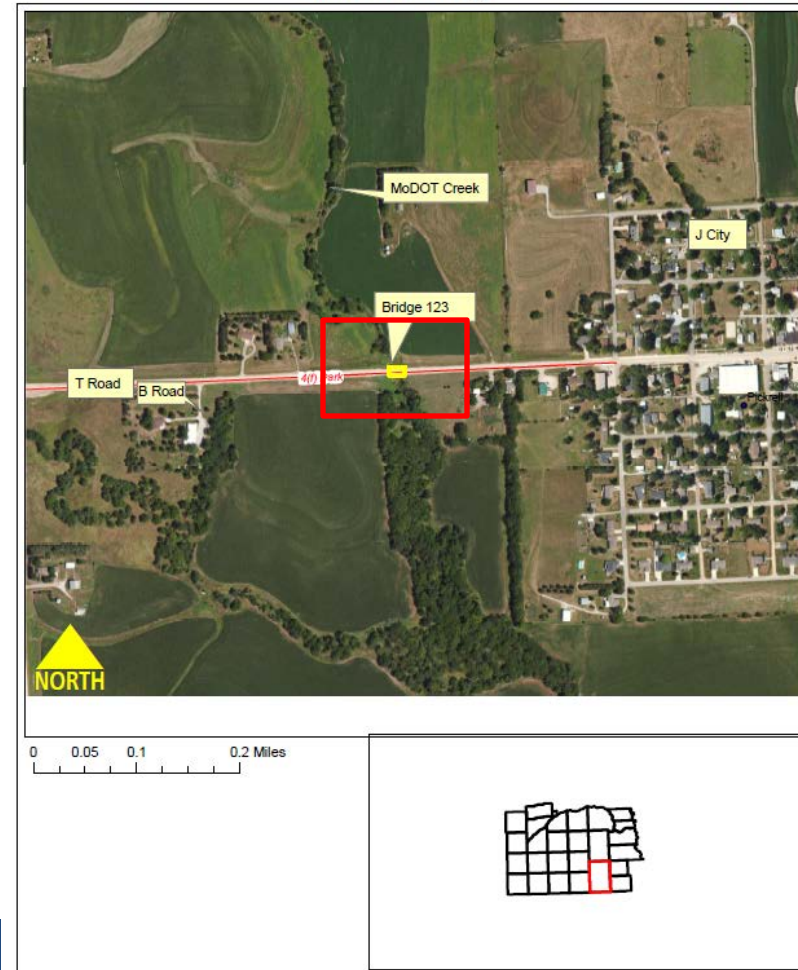
The improvements on this project consist of replacing J-bridge123 on T Road with a triple 10' x 12' concrete box culvert (CBC) on existing alignment. The scope of work includes: grading of the adjacent foreslopes, grading of the ditches to establish positive drainage through the new box culvert, reconstructing the adjacent roadway, earth shoulder construction, and removing the existing guardrail by grading.

Scope details include:

- The bridge (Structure Number J-bridge123) over MoDOT Creek would be removed and replaced with a triple 10' x 12' concrete box culvert.
- Work within the channel, up to 100 feet, would be required to remove the existing structure and to construct the new box culvert.
- Grading along the foreslopes as well as the ditches would be required for about 400 feet ahead and beyond the existing bridge location to establish positive drainage.
- Drop pipes would be constructed to carry storm water runoff from the new ditches to the elevation of MoDOT Creek. These structures would eliminate existing erosion features.
- The existing guardrail would be removed. All salvage to the contractor.
- Pavement would be removed and full depth pavement would be placed adjacent to the structure as necessary to facilitate the bridge replacement, up to 200 feet.
- Areas disturbed during construction would be stabilized utilizing DOTA approved erosion control methods as set forth within the SWPPP.
- A temporary road would be required to remove J-bridge123 and replace it with a CBC.

J-bridge123

America County

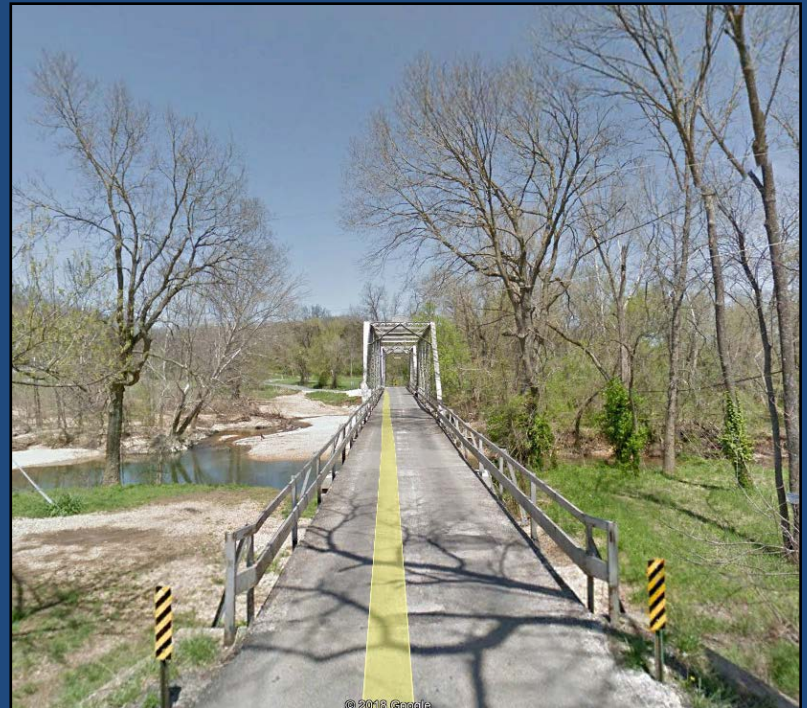


Group Exercise

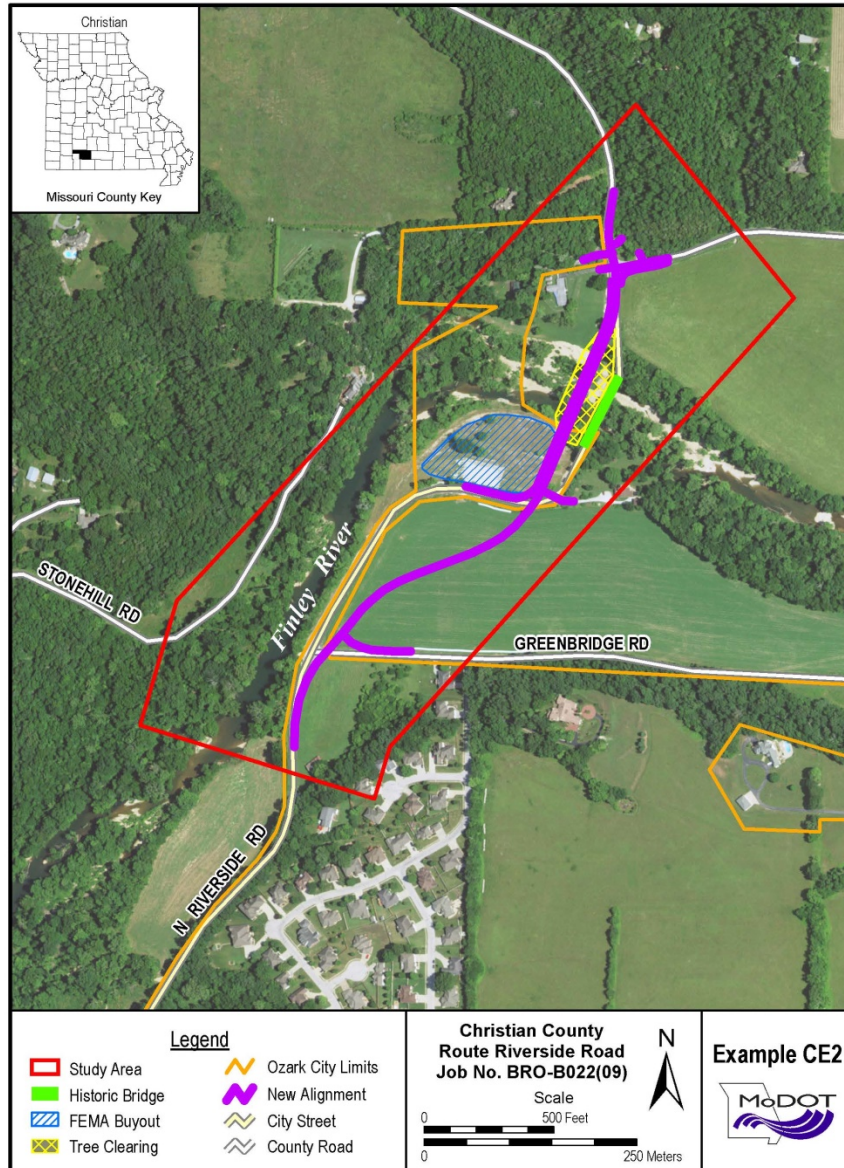
- Each table has a card with an impact
- Describe the project (Table)
- Assess potential impacts (Table)
- Present each to the class
- Identify commitments and responsible parties (Class)
- Leave with an example CE2

Example project

- Replace bridge on new alignment and realign Riverside Road
- 6.67 acres of new ROW/easements
- 0 displacements



Example location map



Draft your Description (10 min)

Typical Resource and Impact Analysis

- Socioeconomics – Title VI, EO 12898
- Farmland – Farmland Protection Policy Act (FPPA)
- Clean Water Act – 404/401/402
- Floodplain – 23 CFR 650.111
- FEMA/SEMA buyout – 44 CFR 206.434(d)
- Clean Air Act
- Noise – 23 CFR 772
- Section 106
- 4(f)/parks – 23 CFR 774
- Endangered Species Act (ESA)
- Hazardous Waste
- Others as needed such as MBTA

Draft your Resource and Impact Analysis Summary (and any commitments) based on your assigned resource (15 min)

Commitments and Responsible Party

- Commitments should be within the impact discussion as well as on a bulleted commitment page
- Three Ws
 - What is the commitment/mitigation
 - Who is responsible
 - When will it happen



All Together:
Commitments (10 min)

Supporting Attachments

- **Anything** used to make a conclusion
 - Concurrence from agencies – SHPO, FWS
 - Technical summaries/memos/figures– results from the Noise study, CR report, ASTM Phase I
 - Community Impact/Socioeconomic- Public involvement, EJ Screen
 - Detour map, Location map
 - Other correspondence as appropriate (e.g. farmland form)
 - Permits – 404, floodplain
 - And others as needed...

Conclusion

- Questions?
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