

APPENDIX C

Agreement No. 16734

Undertakings* Involving Bridges per Stipulation 3(F) of This Agreement:

1. Historic bridges (i.e., bridges eligible for listed in or eligible for listing in the NRHP) are subject to the Section 106 Consultation Process when part of a federal undertaking or approval, except for items listed in Appendix B of this agreement. FHWA and ODOT will ensure that through ODOT's Project Development Process (PDP), all feasible and prudent alternatives to replacement of a historic bridge are explored in the project scoping phase of the undertaking. Rehabilitation is preferred until proven infeasible or not a prudent use of public funding. Rehabilitation for vehicular use must be thoroughly evaluated before other alternatives are considered. Rehabilitation alternatives must consider a one-way pair alternative that involves rehabilitating the existing bridge and constructing a new parallel bridge, when applicable. If rehabilitation is not feasible and prudent, then bypassing it with an agreement to maintain the bridge, or relocation for another use must also be considered. Please refer to AASHTO's *Guidelines for Historic Bridge Rehabilitation and Replacement* (2008) and ODOT's *Ohio Historic Bridge Maintenance and Preservation Guidance* (2010).

(* as defined at 36 CFR § 800.16(y))

Historic Bridge Inventory:

2. ODOT will maintain the *Ohio-DOT Historic Bridge Inventory Database* (originated in 1981 and updated in 2010). A copy of the database will be forwarded to SHPO and FHWA on a semiannual basis; and also made available to the public through ODOT's website. The database will be forwarded to ODOT-IT and Office of Structural Engineering for inclusion in NBIS, BMS and ODOT's buckeyeassets.org website (or their successors); on a semiannual schedule.
3. Surveys to identify significant bridges that meet or are approaching the 50 year threshold for NRHP consideration, will be completed at the discretion of the signatories of this agreement. New bridge research may be conducted on an individual, regional, and national basis. Efforts to identify patterns in history within the national context of transportation development will focus on bridge design trends within the last 50 years; e.g., technological breakthroughs (integral abutments); materials (composite decks); aesthetics (concrete forms and neo classical/postmodern detailing); context sensitive design (update on older styles, replication of arches and deck trusses, new covered bridges); and signature bridges (metro center and high level, cable stay variations). The scope, objectives, and format of any future studies will be established by the signatories, and will include provisions for public involvement in the identification process.

4. FHWA, ODOT and SHPO agree that the historic status of a bridge may change based on significant new information; e.g., elevated preservation potential; updated historical data; historic contexts; or demolition.

System Preservation and Environmental Stewardship:

5. ODOT, FHWA, and SHPO will complete management plans for historic bridges with a high level of significance; e.g., endangered; one of a kind; associated with a regional or national historic context, engineering trend, or prolific designer. The completed management plans will be developed in consultation with the interested public, if any, and be forwarded to their respective bridge owners to be used in local and regional transportation plans.
6. ODOT, FHWA will promote routine maintenance, proper treatments of materials, and rehabilitation and reuse, of historic bridges based on guidance established by AASHTO, the National Park Service (NPS), and ODOT's *Ohio Historic Bridge Maintenance and Preservation Guidance*, and recommendations outlined in ODOT's Historic Bridge Management Plans.
7. ODOT will encourage the use of ODOT's *Ohio Historic Bridge Maintenance and Preservation Guidance* (and its amended or updated successors) for undertakings affecting historic types of bridges, even if they are not eligible for, or listed on the NRHP.
8. ODOT will maintain a website that advertises bridges and salvaged bridge components for reuse on roads, multiuse trails, parks, or other applications that will preserve and maintain them.
9. ODOT and SHPO will contact parties that may have an interest in reusing historic bridges; e.g., state and local parks; golf courses; multipurpose trails; and municipal and regional planners. Information will be provided on sources of funding and structures that are currently available for reuse.
10. When ODOT or SHPO are notified of a bridge owner's intent to replace a historic bridge using local government funds and no federal approvals are required, ODOT and SHPO will encourage rehabilitation in accordance with numbers 6 and 12 of Appendix C, and AASHTO's guidelines, which encourage the use of design exceptions, where applicable; or encourage relocation and/or reuse of the structure if it's not feasible to remain in place. ODOT may offer to advertise the bridge for reuse on its website and recommend documentation before a structure is demolished.
11. ODOT and FHWA will explore opportunities to incorporate sustainable practices in bridge design based on Leadership in Energy and Environmental Design (LEED) principles, by reusing existing bridges, structural elements, and materials.
12. FHWA, SHPO, and ODOT will present awards for rehabilitation, preservation, and reuse of historic bridges each year. The recipients of the awards will be selected by a panel of reviewers

from each agency and presented at the County Engineers Association of Ohio (CEAO) Ohio Bridge Conference and Trade Show or other annual event. A copy of the bridge awards document will be provided to the ACHP.

Funding:

13. Working in partnership with ODOT's Office of Local Projects, ODOT District staff, FHWA, and SHPO, ODOT-OES will assist in the facilitation of historic bridge project funds, and encourage local agencies and bridge owners to apply for available funding to preserve historic bridges; e.g., federal enhancement; covered bridge programs; municipal bridge programs; and general bridge funds.
14. ODOT and FHWA will explore funding sources to apply toward maintenance and preservation of historic bridges, historic bridge research, and bridge update studies in accordance with number 3 of Appendix C.

Marketing and Education:

15. ODOT will explore appropriate events and organizations to share data and promote the Ohio-ODOT Historic Bridge Inventory's research findings, program objectives, and publicize Ohio's extensive bridge-engineering heritage; e.g., the Ohio Transportation & Engineering Conference (OTEC); the CEAO Ohio Bridge Conference & Trade Show; Professional Engineers' meetings; ODOT District Environmental Coordinator meetings; ODOT training courses; and historical organizations.
16. ODOT will update all counties, municipalities, local and regional planning authorities, and historical organizations through direct notification or email, and through ODOT's web site, of the bridges in their respective areas listed in or eligible for listing in the NRHP, as they are represented in the ODOT Historic Bridge Inventory Database.

Monitoring:

17. ODOT will provide FHWA and SHPO with an annual report by October 31, which documents actions that have taken place under stipulations of this agreement, along with an update of the current Historic Bridge Inventory numbers. The FHWA, Ohio Division Office will forward the report to the FHWA Headquarters & Resource Center as appropriate.

