

Cultural Resources Programmatic Agreement Screening Checklist for Section 106

Project TIP:

FA:

WBS:

Project Name:

County:

Project Description:

Funding Source:

Lead Federal Agency:

Permits Anticipated:

Instructions:

NCDOT Project Managers, Project Engineers, or the Division Environmental Staff shall complete the following checklist based upon knowledge of the project site and adjacent parcels. Webservices (<https://www.ncdcr.gov/about/history/division-historical-resources/gis-maps-and-data>) should be reviewed for NRHP Eligible or Listed Buildings, Districts, Objects, Sites, or Structures. Before checking “Unable to Determine”, efforts should be made to acquire any available information. If the answer to any question is “Yes” or “Unable to Determine”, the undertaking is subject to further historic preservation review by NCDOT Cultural Resources staff. If answers to all the questions are “No”, the undertaking will be considered to have *Little Potential to Cause Effects – Exempt Activities* and excluded from further historic preservation review, until differing information is discovered. Please reference “Appendix A *Exempt Activities Under Section 106*” of the Programmatic Agreement for Transportation Program in North Carolina prior to completion.

	Yes	No	Unable to Determine
A. Would this activity have the potential to cause effects on historic properties, assuming historic properties are present? See list in Appendix A.			
B. Is this project directly related to other actions with individually insignificant, but cumulatively significant environmental effects?			
C. Are you aware of any concerns raised by the owner of a historic property or public controversy for this undertaking?			
D. Locations of cemeteries have been found on the webservices? (https://www.ncdcr.gov/about/history/division-historical-resources/gis-maps-and-data)			

By my signature, I certify that I have completed a site visit or am familiar with the specifics of the project and to the best of my knowledge answers to the questions above are correct. I also understand that no further environmental analysis is required at this time, as all of the answers are “No”.

Name (print)

Signature

Date

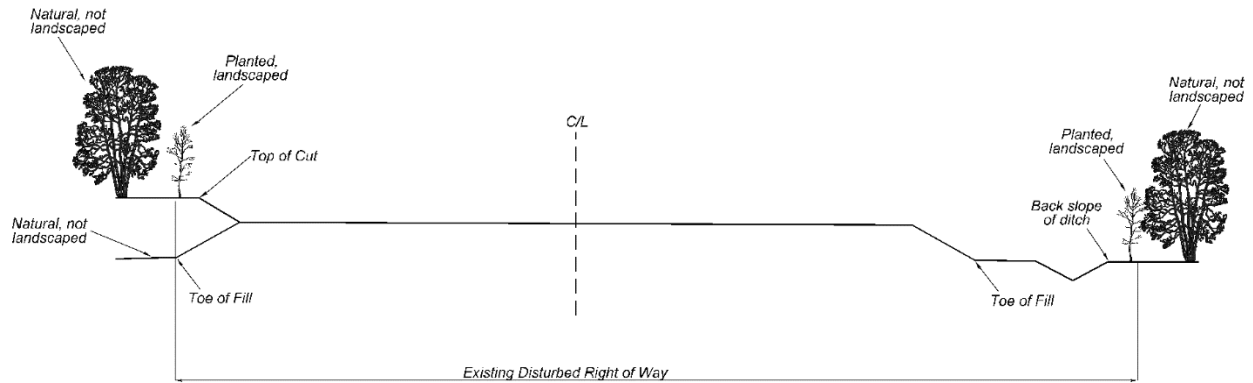
EXEMPT ACTIVITIES UNDER SECTION 106

The Programmatic Agreement (PA) applies to all FHWA funded and/or authorized transportation undertakings administered directly by NCDOT in North Carolina, excluding locally-administered projects (LAP). The PA applies to NCDOT undertakings that require a Department of Army Permit. The PA does not apply to undertakings where the lead federal agency is the Federal Railroad Administration, Federal Aviation Administration, or Federal Transit Administration. Any undertaking involving tribal lands as defined in 36 CFR 800.16(x) shall not be solely governed by this PA, but shall be reviewed by the lead federal agency and NCDOT in accordance with 36 CFR 800 and any applicable government-to-government agreement(s).

Per Stipulation IV of the Agreement, *Undertakings with Little Potential to Cause Effects – Exempt Activities*, NCDOT Project Managers, Project Engineers or Division Environmental Staff shall utilize their best judgment to certify that the undertaking(s) meet **all** the conditions listed below and document internally by utilizing the *106 PA Checklist* (Attachment A). The completion of the *106 PA Checklist* will indicate if the undertaking(s) is subject to further Section 106 review or if the undertaking(s) is exempt from further review. The *106 PA Checklist* (Attachment A) shall be retained in the project file.

Conditions

1. Webservices (<https://www.ncdcr.gov/about/history/division-historical-resources/gis-maps-and-data>) should be used to determine if the undertaking is within or adjacent to a Historic Property, classified herein as NRHP Eligible or Listed Buildings, Districts, Objects, Sites, or Structures. **Please note that webservices only applies to above ground resources and not archaeological resources.**
2. No activity can involve the acquisition of additional right-of-way (ROW) or easements (activities must be restricted to existing disturbed ROW and/or permanent easements). Right of Entry is exempt as long as clearing, grubbing, or ground disturbance does not occur.
3. If an activity is not listed below or there are questions regarding the activities, the Project Manager, Project Engineer or Division Environmental Staff may contact the Cultural Resources Group within the Environmental Analysis Unit, or contact the lead federal agency prior to submitting the project for further historic preservation review.
4. No activity can be a subset of a larger activity.
5. No new earthwork activity on federal property or federally granted easement.



Section A: Bridge Repairs/Bridge Maintenance* on Interstates, US Highways, and NC State Maintained Routes

*Activities permissible on historic/non-historic bridges unless noted in the Exceptions.

Activities limited to existing disturbed right of way (See Figure)

No.	Activity	Description	Exceptions
1	Steel bridge painting	Reapplication of paint for steel bridge structures H-piling, metal shell piling, and steel sway bracing	Historic bridges
2	Pile encasement for steel bridges	Reinforcement of piles with concrete sheaths including: <ul style="list-style-type: none"> Addition of concrete encasement approximately 6 in in diameter Placement of temporary fill for dewatering activities. 	
3	Hydro-demolition of concrete bridge decks		
4	Full deck replacement		
5	Replacement of edge beams	Concrete stiffening member placed transversely at the end of a span	Historic bridges
6	Installation of chain link safety fencing	Addition of brackets and fence posts attached to the bridge with the fencing stretched atop the bridge railing	Historic bridges Within or adjacent to Historic Properties
7	Repair/replace portions of approach slabs & bridge deck	Includes the following activities: <ul style="list-style-type: none"> Overlay with permanent asphalt Fill voids with flowable fill 	

No.	Activity	Description	Exceptions
8	Post tension duct repair/internal post-tensioning	Steel strands passed through ducts formed in the concrete then grouted in place	
9	Repair/replace co-polymer overlay on deck	Replaced with conductive polymer overlay system to protect concrete bridge deck and improve friction	
10	Reset bearings	Strengthening bearings by jacking bridge less than 1inch and replacing or repairing	
11	Clean drainage scuppers/drain pipes		
12	Vegetation Removal at Bridges	Includes the following: <ul style="list-style-type: none"> • Hand cutting vegetation around bridge, including the substructure to allow access by bridge inspection team • Typically cut 10-20ft from either side of bridge structure 	
13	Epoxy injection repair of all concrete members (i.e. decks, beams, caps, columns, etc.)		
14	Replacement of existing bridge fender structures by driving piles	Involves cutting the existing fenders to 2ft below the mud line for removal and installing new fenders in close proximity to the original location	
15	Use of temporary load transfer system (“jumper bridge”)	Facilitates equipment access, typically over culverts, and is restricted to the existing roadway	
16	Installation of sway braces	Braces used for H-pile bents where the unbraced length of piles exceeds 10 feet	
17	Installation of carbon fiber reinforcement or post-tensioning design for the substructure/caps	Bridge Strengthening technique	Historic bridges
18	Heat straightening and/or in-kind replacement of damaged steel beams		

No.	Activity	Description	Exceptions
19	Repair/replace existing box girder drainage system	Drainage system found on larger bridges. Includes repair of internal PVC drainage system within the bridge structure	
20	Bridge Jacking	Includes the following activities: <ul style="list-style-type: none"> • Increases vertical clearance by elevating the bridge through use of bearings • Approaches are modified, as needed, within existing roadway 	Historic bridges Activities restricted to existing roadway and bridge embankment, with no shifts in alignment of the approaches
21	Scour Repair: Repair undermined abutment caps	Fills voids with flowable fill	
22	Scour Repair: Replacement of floor beams	Includes the following activities: <ul style="list-style-type: none"> • Removal of concrete and rebar and the subsequent setting of Pre-stressed concrete or steel beams • Placing of framework, rebar, and concrete 	Historic bridges
23	Scour Repair: Replacement of rip rap or fill	Includes the following activities: <ul style="list-style-type: none"> • In-kind replacement over existing materials at bridge bents and/or abutments as a result of wash out • If existing rip-rap is fully washed away, filter fabric is applied to existing grade before addition of replacement rip-rap or fill 	
24	Repair/replace bridge headers, voids, end & back walls, concrete bent caps, bridge/pot bearings	Activities confined to the bridge structure itself	
25	Repair/replace bridge expansion joints		
26	Abutment Slope Repair	Repair and repave existing concrete abutments in-kind	abutment extension or footprint increases
27	Installation of Crutch or Helper Bents		Historic bridges

Section B: Pavement Resurfacing/Shoulder Rehabilitation and Guardrail/Cable/Median Barriers on Interstates, US Highways, and NC State Maintained Routes

Activities allowed in or adjacent to historic properties unless listed in the exceptions.

Activities limited to existing disturbed right of way (See Figure)

No.	Activity	Description	Exceptions
1	Roadway resurfacing and/or rehabilitation	<p>Includes the following activities for asphalt roadways:</p> <ul style="list-style-type: none"> • Overlay • Milling • Crack Repair • Chip Seal (AST/BST) • Patching • Resurfacing, including full depth replacement <p>Includes the following activities for concrete roadways:</p> <ul style="list-style-type: none"> • Grinding • Grooving • Pavement rehabilitation • Spall repair 	
2	Shoulder/Median work	<p>Includes the following activities:</p> <ul style="list-style-type: none"> • Shoulder building through the addition of pavement to existing shoulder, within toe-of-slope • Typically associated with resurfacing or construction of turn lanes, bikes lanes, medians, etc. • May also include repair of roadway edge line • Equipment confined to existing roadway and shoulder • All activities in existing median including median barrier • Shoulder clipping/pulling 	
3	Guardrail Installation	Installation of new, or rehabilitation of existing, guardrail and guardrail anchors within existing disturbed right of way	Historic bridges
4	Median Crossovers	<p>Includes the following activities:</p> <ul style="list-style-type: none"> • Installation of, or upgrade to, median crossovers on divided highways, to include the addition of turn lanes 	

4 (cont'd)	Median Crossovers	<ul style="list-style-type: none"> Includes grading and/or fill within median and addition of paved surface and associated striping 	
5	Cable Barriers	<p>Includes the following activities:</p> <ul style="list-style-type: none"> Installation of new, or rehabilitation of existing, cable barriers within existing roadway toe-of-slope. Includes concrete foundation, breakaway post, and cable. 	

Section C: Utilities/Signage/Traffic Signals on Interstates, US Highways, and NC State Maintained Routes

Activities allowed in or adjacent to historic properties unless listed in the exceptions.

Activities limited to existing disturbed right of way (See Figure)

No.	Activity	Description	Exceptions
1	Installation and in-kind replacement/relocation of existing utility poles and underground utilities	Utility markers cannot be within 20 feet of significant element of or access to a historic property.	
2	New Signage	Includes NC DOT Sign Types A, B, D, E and F	
3	Installation of Dynamic Message Signs	<p>Includes the following activities:</p> <ul style="list-style-type: none"> Installation of concrete footer to support sign pole or truss structure Installation of pull boxes, cabinets, and conduit 	Within or adjacent to historic properties
4	Pavement markings	<p>Includes installation of the following:</p> <ul style="list-style-type: none"> Rumble strips, chevrons, stop bars, and other pavement markings (raised, reflective, or otherwise) Additional or replacement roadway striping 	
5	New advance warning signs	Installation of flashing lights as you approach an intersection	

No.	Activity	Description	Exceptions
6	Directional underground boring		
7	Installation of Intelligent Transportation Systems (ITS) equipment to existing poles	<ul style="list-style-type: none"> • Addition of ITS components (cameras, wireless devices, signs, cabinets, etc.) to an existing pole. • Connected to existing pull box and conduit. • Applicable to all NCDOT maintained routes 	Installation of new stand-alone cabinets within or adjacent to historic properties
8	Upgrade existing traffic signals and city signal systems	Involves the installation or replacement of traffic signals, poles, and/or signals cabinets	Installation of new stand-alone cabinets within or adjacent to historic properties
9	Installation of new traffic signals		Within or adjacent to historic properties
10	Installation and replacement of Pedestrian Poles and Pedestrian Signals	Involves the installation or replacement of signal heads and/or push button stations	Installation within or adjacent to historic properties

Section D: Specific Maintenance/Upgrade Activities

Activities allowed in or adjacent to historic properties unless listed in the exceptions.

Activities limited to existing disturbed right of way (See Figure)

No.	Activity	Description	Exceptions
1	Landscaping	<p>Includes the following activities:</p> <ul style="list-style-type: none"> • Shallow grading, tilling, and planting. Grading and tilling, if needed, are used to smooth surface and/or bring in soil prior to planting • Mowing • Seeding 	Landscaping within or adjacent to historic properties
2	Right-of-way Reclamation	<p>Includes the following activities:</p> <ul style="list-style-type: none"> • Removal of vegetation which has grown since original construction or reconstruction • Consists of cutting back existing vegetation within the clear zone • May include chemical treatment or grinding of stump to prevent regrowth 	Within or adjacent to historic properties

No.	Activity	Description	Exceptions
3	Replacement of existing lighting	In-kind replacement of existing lighting within right-of-way or at underpasses. In-kind lighting is defined as being of similar height, material, and location.	
4	Replacement of existing fencing	In-kind replacement of existing fencing within right of way. In kind is defined as being of similar height, material and location	
5	Ramp and intersection improvements	Consists of in-place replacement or upgrading of ramps and the addition of ramp turn lanes Installation of ramp meters	

Section E: Other Maintenance/Upgrade Activities

Activities allowed in or adjacent to historic properties unless listed in the exceptions.

Activities limited to existing disturbed right of way (See Figure)

No.	Activity	Description	Exceptions
1	Minor Drainage Improvements	Includes, but not limited to the following: <ul style="list-style-type: none"> • Installation, replacement or removal of culverts and headwalls • Installation, replacement and extensions of pipes • Addition of pipe end sections 	Installation and replacement of headwalls on USFS property
2	Routine cleaning, maintenance, and repair of existing drainage stormwater management, and water quality facilities and devices		
3	Construction or repair of erosion control and protection measures	Includes, but not limited to the following: <ul style="list-style-type: none"> • Slope stabilization • Slide repair • Rip Rap • Retaining walls • Streambank Stabilization 	
4	Correcting substandard roadway geometrics and intersections		Within or adjacent to historic properties

No.	Activity	Description	Exceptions
5	Modernization of an existing transportation facility by widening equal to or less than a travel lane	Includes, but not limited to the following: <ul style="list-style-type: none"> • Shoulder additions • Bridge approaches • Turn lanes 	
6	Construction or repair of existing sidewalks, bicycle lanes, and multi-use paths		Within or adjacent to historic properties
7	Disposal of excess properties		Structures more than 45 years of age Within or adjacent to historic properties
8	Preliminary Engineering Activities	Activities which do not involve or lead directly to construction (program activities), such as planning and research activities; engineering to define the elements of a proposed action or alternatives so that social, economic, and environmental effects can be assessed; and Federal-aid system revisions which establish classes of highways on the Federal-aid highway system [23CFR 771.117(c)(1)]	
9	Railroad crossing rehabilitation	Includes installation of the following: <ul style="list-style-type: none"> • Bells, lights, gates • Pavement marking • LED upgrades • Paving of unpaved approaches Does not include modifications to the railroad alignment or grade	Modifications to the railroad alignment or grade
10	Stormwater Retrofits	Construction of Stormwater BMP's into existing roadways and facilities	Within or adjacent to historic properties

Section F: ADA Upgrades

Activities allowed in or adjacent to historic properties unless listed in the exceptions.

Activities limited to existing disturbed right of way (See Figure)

No.	Activity	Description	Exceptions
1	Installation of ADA curbcuts on existing sidewalks		Granite curbs within or adjacent to historic properties
2	Installation of ADA ramps to existing facilities		Within or adjacent to historic properties