

**Protection And Monitoring Of Existing Structures Checklist
For Plans And Specifications**

		YES	NO	NA
1	Does the project include bridge construction with pile driving or drilled shaft construction within 120 ft of existing foundations?			
2	Have buildings in which sensitive operations are performed, been identified for this project? Sensitive operations include but are not limited to eye surgery, medical treatments, rehabilitation operations, recording and broadcasting operations, work with precision instruments, places of worship, antique shops, historical buildings or museums.			
3	Is any dewatering needed for deep excavations that may impact existing structures?			
	If answers to all questions 1 through 3 are NO, Stop.			
4	Does the project include bridge widening with new foundations installed adjacent to existing bridge foundations or other structures?			
5	In bridge replacement projects, does the project include pile driving or drilled shaft construction within 120 ft of existing structures that will support traffic during construction?			
6	Do the Plans include the recommendations identified in the Geotechnical Report? See 6a-6i below			
6a	Use of non-vibratory methods to install casing in drilled shafts			
6b	Use of non-vibratory methods for sheet pile installation			
6c	Limit the depth of the new foundation elements			
6d	Predrilling or preforming			
6e	Limit or avoid the use of driven piles			
6f	Use of permanent casings, or combination of permanent plus temporary casing			
6g	Avoid unprotected excavations that may affect shallow foundations			
6h	Use of micropiles, ACP			
6i	Other, indicate			
7	Do the Plans include Monitoring of Existing structures requirements as follows:			
7a	A list identifying FDOT structures to be monitored for foundation settlement			

7b	A list identifying FDOT structures that should be inspected prior to construction (1)			
7c	A list identifying FDOT structures that need Vibration Monitoring (2)			
7d	A list identifying FDOT structures that need Groundwater Monitoring (3)			
8	Do the Plans identify non -FDOT structures, including sensitive buildings described in question 2, that could be impacted from construction excavation, vibrations and/or dewatering?			
9	Do the Plans include requirements for vibration monitoring, settlement monitoring and groundwater monitoring for non -FDOT structures including sensitive buildings describe in question 2?			
10	Do the Specifications include special provisions to address special monitoring, protection requirements, and special construction procedures for existing FDOT structures? This may include MSPs modifying sections 108 and 455 or TSPs requiring special installation procedures.			
11	Do the Specifications include special provisions to address special monitoring, protection requirements, and special construction procedures for existing non -FDOT structures? This may include MSPs modifying sections 108 and 455 or TSPs addressing special procedures.			
12	Do the plans include the applicable section 108 pay items to cover the settlement monitoring, inspection, vibration monitoring and groundwater monitoring?			
<p>Notes</p> <p>(1) The Standard Specifications do not require this unless shown in the Plans. A justification is needed to require this in the Plans.</p> <p>(2) According FDM 117 this should not be done typically for FDOT structures. A justification is needed to require this in the Plans.</p> <p>(3) Rarely used. Required on proposed deep excavations with dewatering. FDM 117 requires concurrence from the District Geotechnical Engineer.</p>				