Evaluation Table

PEP ID:	**XXXXX**
Manufacturer:	**Name of Manufacturer**
Product Name:	**Name of Product**

905 Guardrail
905 Channelizing Devices: Longitudinal Barriers - W-Beam Blockouts
ADOT Standard Specification: 905, 1012
ADOT Standard Drawing: C-10 series, as applicable
Responsible Section: Roadway Group

Material Property	**Specification/ Test Method**	**Requirement**	**Results**	**Pass/ Fail**
Material Requirements	905-2	Materials for guardrail, guardrail transitions, and end anchors shall conform to the requirements of Section 1012 (Guardrail Materials) of the specifications and the plans.		
Blockout Material	905-3.01	The various types of guardrail shall be constructed with wood or composite blockouts on either wood or steel posts.		
Task Force 13 Requirement	1012-2	Guardrail fasteners, rail elements, posts, blockouts, and other components shall conform to the requirements of Task Force 13 “Guide to Standardized Roadside Hardware”.		
Stress Grading, Wood Blockouts	1012-3.02	Stress grading for timber posts and blockouts shall conform to the requirements of AASHTO M 168 and may be rough sawn (unplaned) or surfaced four sides (S4S) with the nominal dimensions indicated in the contract documents.		
Stress Grade, Wood Blockouts	1012-3.02	Timber shall be No. 1 or better, and the stress grade shall be 1,200 pounds per square inch or higher.		
Preservation Treatment, Wood Blockouts	1012-3 .03	All timber shall have a preservative treatment and be marked in accordance with the requirements of AASHTO M 133, American Wood Protection Association (AWPA) Standard U1, UC4B “Commodity Specification A: Sawn Products”, and AWPA Standard T1.		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Inspection, Wood Blockouts	1012-3.03	The inspection at the wood preservation plant for posts and blocks shall conform to the requirements of AWPA M2.		
Inspection, Wood Blockouts	1012-4	In the absence of an American Lumber Standard Committee (ALSC) grade mark, the responsibility for acceptance of the posts and blocks for grade will be that of the Engineer.		
Documentation To Collect	ADOT Procedure for Evaluating and Approving Roadside Safety Hardware	FHWA Eligibility Letter, if available		
Documentation To Collect	ADOT Procedure for Evaluating and Approving Roadside Safety Hardware	Crash Test Reports, from accredited testing facilities		
Documentation To Collect	ADOT Procedure for Evaluating and Approving Roadside Safety Hardware	Research Reports, from professionally recognized research facilities		
Assign Evaluation	ADOT Procedure for Evaluating and Approving Roadside Safety Hardware	Evaluations will be performed by the Standards Engineer of the technical group responsible for the roadside safety feature.		