Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IX: Incidentals
Title: QuadGuard Crash Cushion System

Plan Reference Number
Location
Station
Offset
Direction
Model Number

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	
1.		Certificates of Compliance conforming to the requirements of Subsection [106.05] were submitted.	Standard Specifications 1012-1
2.		The Certificates of Compliance to which state that steel or iron products incorporated into the project meet the Buy America Act requirements', certifying that all manufacturing processes producing a steel or iron product, including any application of a coating to iron or steel, occurred in the United States.	23 CFR Part 635.410 Standard Specifications 106.05
3.		*** No information entered on Quantlist Word document ***	
4.		Approved minimum 4,000 PSI concrete was used and tested.	Plans
5.		Have all approved changes to the plan location been documented?	Manufacture Requirements
6.		Is torquing of bolts documented?	Manufacture Requirements
7.		Is the rebar placement correct to avoid conflict with the concrete anchor bolts?	Manufacture Requirements
8.		Is the backup poured monolithically with footer and pad?	Manufacture Requirements
9.		Is the type of backup used as shown in the plans?	Plans

10.		Is the backup position so that the rear ends of the last fender panels are a minimum of 30 inches forward of any objects that would interfere with the movement of the panels?	Manufacture Requirements
11.		Is the proper Transition Type used and does it match direction of traffic?	Manufacture Requirements
12.		Is the location of the centerline of the system determined by measuring the proper offset from the hazard and offset 6.5 inches to one side for placement of the monorail?	Manufacture Requirements
13.		Is the concrete backup face plate used as a template when drilling the concrete anchor holes?	Manufacture Requirements
14.		Are the concrete anchor holes drilled to the proper depth?	Manufacture Requirements
15.		Are the concrete anchor holes thoroughly cleaned using oil free compressed air?	Manufacture Requirements
16.		Is the proper amount of MP-3 grout mixture poured into the holes? (1/3 to 1/2 full) (do not overfill or under fill).	Manufacture Requirements
17.		Is the backup face plate anchored by using the Horizontal MP-3 Kit?	Manufacture Requirements
18.		Were the tension strut backup and monorail used as a template when drilling the concrete anchor holes?	Manufacture Requirements
19.		Are the tension strut backup and monorail anchored by using Vertical MP-3 Kits?	Manufacture Requirements
20.		Is each segment of monorail in alignment from the back to the front of system?	Manufacture Requirements
21.		The monorail stud height does not exceed the drawing height of 1.5 inches when installed.	Manufacture Requirements
22.		Were the monorail guides attached to the diaphragms using the 3/4-inch hex bolts, lock washers and nuts from the kit?	Manufacture Requirements
23.		Is the hinge plate installed on each fender panel?	Manufacture Requirements
24.		There is no mixture of the 5/8-inch rail nut and 5/8-inch hex nut (rail nuts tapped oversize).	Manufacture Requirements
25.		Are the fender panels installed beginning from the back and alternating left and right?	Manufacture Requirements
26.		Are the elastomeric bushings connected to the fender panels with the correct hardware (hex nut, flat washer, mushroom washer and the 5/8 inch flathead washer)?	Manufacture Requirements
27.		Are the mushroom washers flush with the side panels?	Manufacture Requirements
28.		Is the diaphragm spacing between rear faces of consecutive diaphragms set at 36 inches?	Manufacture Requirements
29.		Is the end cap installed with a 3/4-inch nut, washer and hex bolt?	Manufacture Requirements
30.		Are cartridge support brackets attached to all diaphragms and the tension strut backup?	Manufacture Requirements
31.		Are all keepers installed to lock-in the cartridge support bracket?	Manufacture Requirements
32.		Is the nose cover installed with 6 rail bolts, bar washers (1.25-inch by 2-inch), washers and torqued to 25 ft-lbs.?	Manufacture Requirements

33.		Is the nose assembly properly aligned with the fender panels?	Manufacture Requirements
34.		Are the mushroom bolt assemblies torqued to 60 ft-lbs.; anchor stud torqued to 120 ft-lbs.; all other bolts tightened, and the fender panel maximum gap is 0.78-inch?	Manufacture Requirements
35.		Are the correct numbers of Type I and Type II cartridges used and placed in correct order?	Manufacture Requirements
36.		Is delineation is in accordance with the specified requirements?	Manufacturer Drawing 35-40-05
37.		*** No weight or narrative information in Quantlist Word doc ***	Special Provisions
38.		Work has been documented in Daily Diary and payment made when work was completed.	Construction Manual 105.11
39.		Quantlist Minimum Frequency is being followed, One per Installation.	Construction Bulletin 07-01
40.		*** This Attribute was included because there are 3 Attributes following it on the provided Word document - the Weight is indicated as "0" *** Remarks (Mark as N/A):	
41.		*** No Weight, Reference, or Section info in the provided Word doc *** Is there an approved QuadGuard manufacturer's drawing on file at the field office?	
42.		Is the QuadGuard Certification on file at the field office?	Standard Specifications 106.05
43.		Has the Certificate of Compliance for materials (with cut sheets) been submitted to the field office?	Standard Specifications 106.05
44.		Quantlist Minimum Frequency is being followed, one per installation	Construction Bulletin 07-01