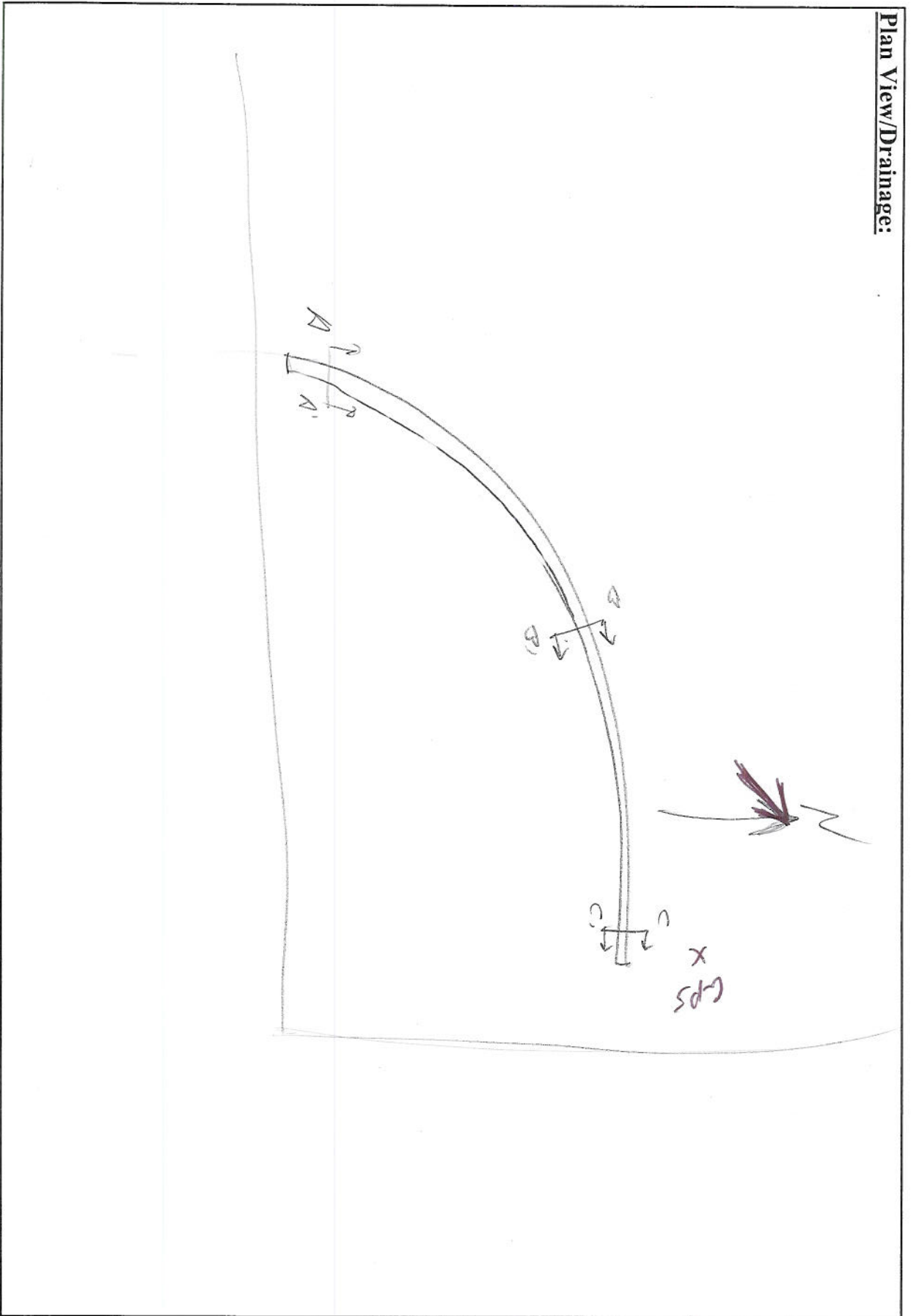


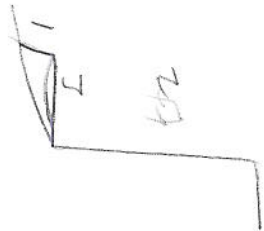
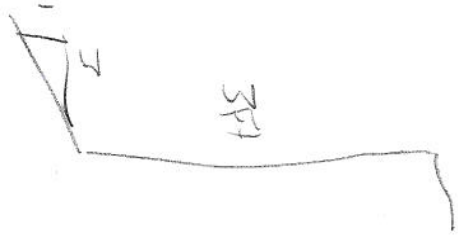
43  
19/11/14  
5  
194  
8  
22  
2

STATE OF UTAH MSE WALL INSPECTION FORM	
Compiled As Part of Research By The Utah Department of Transportation	
<b>Instructions:</b>	
1-Fill out required sections for MSE Wall Inspector and Wall Characteristics.	
2-Inspect the wall using the attached form. Questions that require a 'Yes' answer should be documented by noting the extent of the problem in the right most column and photo documentation. Photo documentation should consist of wall or bridge number, nature of problem, date, photo number for wall, and a size reference, which should be indicated in the photo (white board/paper). Photos taken should be placed on the Top View layout and indicated with the appropriate number. Note should be taken by the inspector that often anomalies are due to construction and should be distinguished from those that are a result of post-construction. If it is observable that they existed at the time of construction note should be taken in the space provided for drawings.	
3-Shoot digital photos of the entire wall. This may require the use of a variety of shots and angles on each wall to cover the wall in its entirety.	
4-Indicate Layout or MSE Wall in respect to major intersections, roadways, potential hazards, irrigation, vegetation, locations of conditions for which 'Yes' was marked, etc. in space provided below. Also Indicate approximate GPS Coordinates of Site of Interest in space provided below.	
<b>Region</b>	3
<b>Identifying Road/Intersection</b>	NW corner of E-15 & P.P. exit
<b>MSE WALL CHARACTERISTICS</b>	
MSE Wall at Bridge	N
Bridge Number If applicable:	(X)
Surrounding Structures	
Distance to Each Structure	
Site Route Number	
Approximate Mile Marker	
GPS Datum	WGS/84, NAD/83, OR NAD/27
MSE Wall GPS Coordinates (Location of Measurement shown on plan view)	40°20'58.72"N 110°46'10.93"W
If known, Panel or System Manufacturer	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-size: small;">Please draw rough layout of panel with approximate dimensions in space provided below:</p> </div> <div style="width: 50%; border-left: 1px solid black; padding-left: 5px;"> <p>Maximum Height of Wall (ft) 15.5 ft</p> <p>One Stage, Two Stage or Block Wall one stage</p> <p>Estimated Max Length of Wall Abutment 130</p> <p>Max Slope of Ground in front of wall: 0</p> <p>Max Height of wall burial line above surrounding level ground: 18 ft</p> </div> </div>	
<b>Summary of Key Observations:</b>	

**Plan View/Drainage:**



Cross Sections:



Cross Sections:



Required Item	No	Yes	No	Remarks	Measurement/Extent of Problem/Action/Photo Numbers
15-1: Is there a large gap between the ground, 3rd, and the approved pavement (Photo 15) Other side produces a bearing condition with the concrete to remain. Is there a potential for settlement? If so record maximum displacement.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-2: At the abutment, has the joint between the wall coping and the abutment opened up significantly? If so record maximum displacement.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-3: Has the coping/wall pulling away from pavement/roadway section? Please record maximum displacement for wall.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /

**MISE STABILITY**

Required Item	No	Yes	No	Remarks	Measurement/Extent of Problem/Action/Photo Numbers
19-1: What is the bearing depth of leveling pad? Found (Case Probe Test and located 2 inches from wall to a maximum depth of 24 inches (2' inches for MSE Walls)	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-2: Is there a leveling pad exposed?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-3: Is there cracking in the leveling pad? If so, record maximum crack size with gauge.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-4: Is there a four foot bench (level depth) directly along the wall before the slope change (Record Width)?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-5: Is there a slope deeper than V: 1.5 to H: 1 in front of the wall? Please record slope and height of benchfill above top of wall.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-6: Is there a slope greater than V: 1.5 to H: 1 below the wall? Please record slope and height of backfill below the wall.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-7: Is there excessive degradation of ground level?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /

**MISE METAL CORROSION**

Required Item	No	Yes	No	Remarks	Measurement/Extent of Problem/Action/Photo Numbers
16-1: Is there excessive corrosion on guardrail or other exposed metal that might indicate concrete	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
16-2: Are there major rust stains on the face panels? Along joints? If so, record rust number.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
16-3: Are any internal strips exposed? Does there appear to be corrosion on these strips? If applicable please record the total number of strips affected.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
16-4: Was a readily visible stain of exposed wall? If so, please indicate depth in inches.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
16-5: Are there any indications of other corrosion (forming bars, rust, exposed metal under spray coating)? If so please record the total number of panels affected.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /

**MISE IMPACT/COLLISION PROTECTION**

Required Item	No	Yes	No	Remarks	Measurement/Extent of Problem/Action/Photo Numbers
17-1: Are guardrails or wall protections in place at the base of the wall to protect it from potential traffic	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
17-2: Does it appear that the wall has been involved in an accident (replaced panel, recent damage to the wall)?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
17-3: Does it appear the walls functionally and integrity has been compromised by a collision or accident?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /

**MISE OBSTRUCTIONS IN BEING OR CAUSE TO BE OBSTRUCTED**

Required Item	No	Yes	No	Remarks	Measurement/Extent of Problem/Action/Photo Numbers
18-1: Are there signs of deterioration in reinforcement geometry?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
18-2: Are there signs of wall angle (<50)?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /

**MISE AS BUILT DIFFERENT FROM DESIGN**

Required Item	No	Yes	No	Remarks	Measurement/Extent of Problem/Action/Photo Numbers
15-4: Are there signs of differential than design.	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-5: Are there visible deviations for the wall? Please indicate type (Settlement and Layer, Damage, As Built, etc)	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-6: Is the layout in general accordance with drawings?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-7: Are the panels (C/P or C/S) being done appear to be excessive cracking in the panels?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-8: Was C/P/C/S used in the construction of the wall?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-9: Are there any structures on or near wall that were not included in initial drawings?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-10: Are there any infill, utilities or obstructions that are not part of the initial drawings?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-11: Have there been any excavations or evidence of excavations near the wall?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-12: Have local property owners changed the dynamics of the wall (Additional structures, irrigation, vegetation, etc)?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-13: Are there piles located in the wall (Gauge Abutment)?	Y	N	N/A	UNKN	/ 0-250 1% 5% 10% 25% 50% 75% 90% 95% 100% /