

# STATE OF UTAH MSE WALL INSPECTION FORM

Compiled As Part of Research By The Utah Department of Transportation

**Instructions:**

- 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 of 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.B. exit
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## MSE WALL CHARACTERISTICS

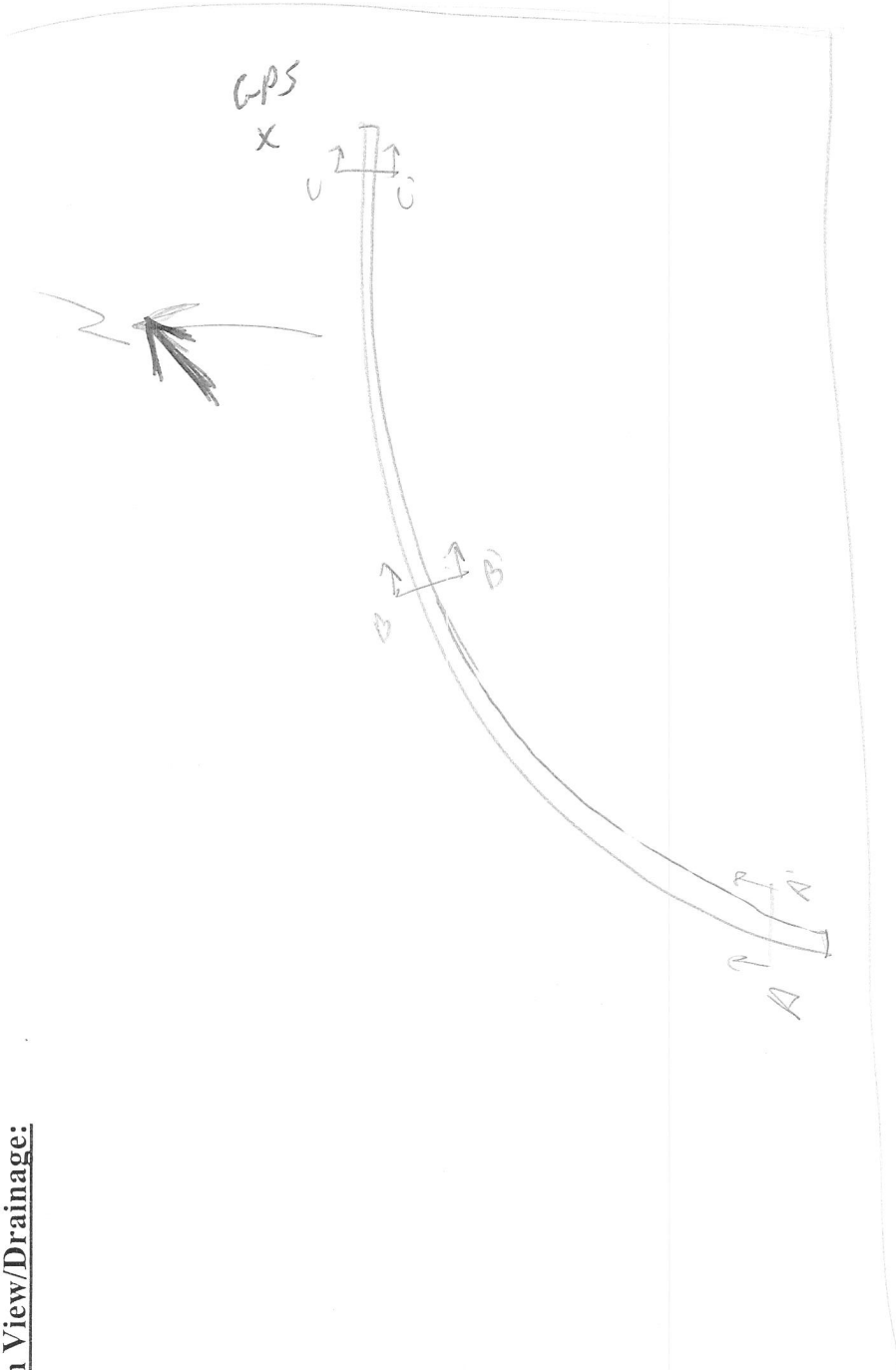
MSE Wall at Bridge	<input checked="" type="radio"/> Y <input type="radio"/> N	Bridge Number if applicable:		Wall Number	R-374E
Surrounding Structures				Maximum Height of Wall (ft)	15.5 FT
Distance to Each Structure				One Stage, Two Stage or Block Wall	one stage
State Route Number				Estimated Max Length of Wall Abutment:	130
Approximate Mile Marker				Max Slope of Ground in front of wall:	0
GPS Datum	WGS/84, NAD/83, or NAD/27			Max Height of wall burial line above surrounding level ground:	18 ft
MSE Wall GPS Coordinates (Location of Measurement shown on plan view)	40°20'58.72"N 110°46'10.93"W			Please draw rough layout of panel with approximate dimensions in space provided below:	
If known, Panel or System Manufacturer	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative; margin: 10px 0;"> <span style="position: absolute; top: 5%; left: 15%;">8"</span> <span style="position: absolute; top: 5%; right: 15%;">18"</span> </div>				

**Summary of Key Observations:**

2  
23  
8  
174

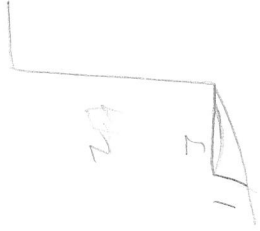
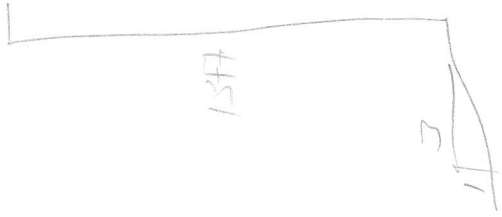
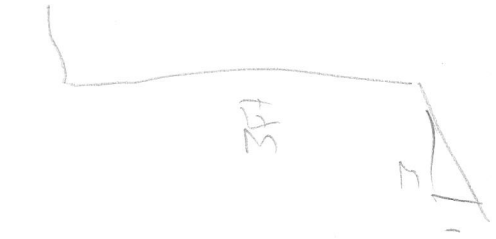


Plan View/Drainage:





Cross Sections:



Cross Sections:



BASE WALL DRAINAGE

Required Item:		Yes	No	N/A	UKS	Drainage	Measurement/Extent of Problem/Location/Photo Numbers
Y	1-Is there an active water source near the toe of the wall (to the wall) near a body of water with seepage?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	2-If applicable, are the catch basins at the base of the wall blocked?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	3-Are there culverts protruding through the wall?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	4-Are there vertical drains that extend through the backfill?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	5-Is there erosion at the base of the wall or leveling pads? (Photo 12)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	6-Is there erosion along the wing wall?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	7-Are there any signs of water flow along the base of the wall?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	8-Is there less than 14 feet between irrigation sprinklers and wall?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	9-Does the backfill or joint fabric appear to be saturated?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	10-Is there vegetation growing in paved joints? (Photo 8)?	Y	N	N/A	UKS		Blocked / 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	11-Are the deck drains and outlets at the top of the wall blocked? (Photo 14)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	12-Can water enter the wall between coping and sills (i.e. Drain appropriately)?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	13-Is there evidence of discharge points of fill or seepage through drain pipes?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

BASE WALL JOINTS

Required Item:		Yes	No	N/A	UKS	Joints	Measurement/Extent of Problem/Location/Photo Numbers
Y	1-Is backfill coming out of joints or are there piles of backfill at the base of the wall? (Photos 2 & 3)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	2-Are the joints wide enough to see fabric or backfill behind panels when looking into joints? (Photo 3) If yes, record the approximate environment within 10 inches.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	3-Are there visible signs of water leakage through joints? (Do not include additional damage to fabric)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	4-Do the joints have a non-uniform horizontal spacing size? Are some horizontal joints larger/smaller than others? (Photo 6)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	5-Do the joints have a non-uniform vertical spacing size? Are some vertical joints larger/smaller than others? (Photo 6)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	6-Are the panels offset at the joints either in or out of the wall? (Photo 7) If yes, record the approximate maximum offset.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	7-Does the fabric appear brittle, or appear as if it has undergone excessive UV exposure?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

BASE WALL FINISHING

Required Item:		Yes	No	N/A	UKS	Wall Finishing	Measurement/Extent of Problem/Location/Photo Numbers
Y	1-Are there cracks that continue vertically through adjacent panels (Photos 9 & 10)? If yes, record the approximate number of panels in the wall with cracking.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	2-Are there cracks that continue horizontally through adjacent panels (Photos 9 & 10)? If yes, record the approximate number of panels in the wall with cracking.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	3-Are the panel corners making contact with each other? If yes, record the approximate number in the wall.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	4-Are the panel corners "popped-off" or chipped from contact with an adjacent panel? If yes, record the number in the wall.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	5-Does crack spacing suggest Differential Settlement?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	6-Does the overlying coping exhibit Vertical Offset?	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	7-Are the coping and parapets loose or detaching? If yes, it may be appropriate to contact UDOT if detachment seems eminent.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	8-Are the panels in danger of falling off? (If potential exists contact appropriate UDOT region).	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	9-Are the panels bulging (bowing horizontally)? If so, record maximum deformation from as-built seepage leveling pad. (Photo 11)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	10-Is there evidence of water seepage from the wall? (Record maximum lag of seepage from exterior side, vertical level and affected area)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

BASE TOP OF WALL OBSERVATIONS

Required Item:		Yes	No	N/A	UKS	Top of Wall	Measurement/Extent of Problem/Location/Photo Numbers
Y	1-Is there evidence of settlement at the top of the wall? (on-ramp cracking, etc)	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	2-Are there any open cracks in the concrete coping (not bolting)? If yes, record the approximate maximum crack width.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
Y	3-Is there the connection joints in the concrete coping opened up? (Photo 6). If yes, record the maximum joint width.	Y	N	N/A	UKS		/ 0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /





Y	N	NA	UKS	36-Is there a large gap between the approach slab and the approach pavement? (Photo 13) Often this produces a bumping sensation as the approach is crossed. Record the approximate maximum gap size.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	X	UKS	37-At the abutments, has the joint between the wall coping and the abutment opened up significantly? If so record maximum distance.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%
Y	N	X	UKS	38-Is the coping wall pulling away from pavement/curbway section? Please record maximum displacement for wall.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%

MSE STABILITY																
Required Items: Street Curb/Grade																
Yes	No	NA	UKS	Structural Integrity	Measurement/Extent of Problem/Location/Photo Numbers	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	NA	UKS	39-What is the location depth of existing post? Please Probe into wall located 2 inches from wall to a maximum depth of 24 inches (24 inches in the minimum depth for MSE Wall)	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	40-Is leveling post exposed?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	41-Is there cracking in the leveling post? If so, record maximum crack size with gage.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	42-Is there a four foot bench (level slope) directly along the wall before the slope changes (Record Width)	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	43-Are slope steeper than V:1.5 to H:1 in front of the wall? Please record slope and height of backfill above wall.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	44-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.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	45-Is there excessive degradation of post face?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	

MSE METAL CORROSION																
Required Items: Nylon Meter Camera/GPS-Zip Lock Bags, Trowel																
Yes	No	NA	UKS	Metal Corrosion	Measurement/Extent of Problem/Location/Photo Numbers	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	NA	UKS	46-Is there excessive corrosion on guardrails or other exposed metal that might indicate concrete conditions?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	47-Are there major rust stains on the face panels? Along joints? If so, record total number.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	48-Are any internal straps exposed? Does there appear to be corrosion on these straps? If applicable please record the total number of straps affected.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	49-Is a readily visible stain of exposed soil? If so, please indicate depth in inches.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	50-Is there any indication of cube corrosion (swelling bars, rust, exposed metal inside epoxy coating)? If so please record the total number of panels affected.	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	

MSE IMPACT/COLLISION PROTECTION																
Required Items: Camera/GPS																
Yes	No	NA	UKS	Impact/Collision	Measurement/Extent of Problem/Location/Photo Numbers	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	NA	UKS	51-Are guardrails' wall protection in place at the base of the wall (to protect it from potential traffic hazard)?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	52-Does it appear that the wall has been involved in an accident (replaced panel, recent dips in the wall)?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	53-Does it appear the walls functionality and integrity has been compromised by a collision or accident?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	

MSE OBSTRUCTIONS IN REINFORCEMENT GEOMETRY																
Required Items: Drawings																
Yes	No	NA	UKS	Obstructions in Reinforcement Geometry	Measurement/Extent of Problem/Location/Photo Numbers	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	NA	UKS	54-Are there acute wall angles (<90)?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	

MSE AS BUILT DIFFERENT FROM DESIGN																
Required Items: Drawings-Common-GPS																
Yes	No	NA	UKS	MSE as built different than design	Measurement/Extent of Problem/Location/Photo Numbers	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	NA	UKS	55-Are there available drawings for the wall? Please indicate type (Situation and Layout, Design, As Built, etc.)	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	56-Is the layout in general accordance with drawing?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	57-Are the panels CIP (Cast in Place)? Does there appear to be excessive cracking in the panels?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	58-Is GRC/Found used in the construction of the wall?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	59-Are there any anchors on or near wall that were not included in initial drawings?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	60-Are there any irrigation, utilities, or foundations that are not part of the initial drawings?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	61-Have there been any excavations or evidence of excavation near the wall?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	62-Have local property owners changed the dynamics of the wall (additional structures, irrigation, vegetation, etc.)?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	
Y	N	NA	UKS	63-Are there piles located in the wall (bridge abutment)?	/	0-No	1%	5% <td>10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td></td>	10% <td>25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td></td>	25% <td>50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td></td>	50% <td>75% <td>90% <td>95% <td>100% </td></td></td></td>	75% <td>90% <td>95% <td>100% </td></td></td>	90% <td>95% <td>100% </td></td>	95% <td>100% </td>	100%	

