

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.

Inspector Information

Inspection Date	8/20/07	Names Of Inspectors	Ryan Maw, Holly Griffin
Region	1	Identifying Road/Intersection	SR-89 - Logan Canyon

MSE WALL CHARACTERISTICS

MSE Wall at Bridge	Y	N	Bridge Number if applicable:	Wall Number	R-376
Surrounding Structures				Maximum Height of Wall (ft)	varies
Distance to Each Structure				One Stage, Two Stage or Block Wall	block walls
State Route Number			SR-89 - Logan Canyon	Estimated Max Length of Wall Abutment	varies
Approximate Mile Marker				Max Slope of Ground in front of wall	varies
GPS Datum	WGS/84		NAD/83, or NAD/27	Max Height of wall burial line above surrounding level ground	varies
MSE Wall GPS Coordinates (Location of Measurement shown on plan view)	N 41° 49.936		W 111° 35.973	Please draw rough layout of panel with approximate dimensions in space provided below:	
If known, Panel or System Manufacturer	unknown				

Summary of Key Observations:

Bridge F-680 : walls M, N, O, P - MP 484
 D-382 : walls Q, R, S, T - CIP
 Wall L: modular block
 Wall K: modular block
 Walls: I, J - not built
 Bridge F-679: walls G and H are Rock walls
 wall F - modular Block - vert. drainblended
 E-2407: MP481 - wall E and D

Wall C - not built
 walls A & B - please see next form

please see
drawing
(last page)
for layout
OR SITUATION & LAYOUT DRAWINGS IN
ELECTRONIC FORM

Cross Sections:

Cross Sections:

MSB WALL DRAINAGE

Requirement	Pass	Fail	Measure/Extent of Problem/Location/Photo Numbers
1-Is there an active water source near the top of the wall (in the wall near a body of water with seepage)?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
2-If applicable, are the drains below the base of the wall blocked?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
3-Do these drains penetrate through the wall?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
4-Do these drains have vertical drains that meet through the backfill?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
5-Is there erosion at the base of the wall or leveling pad? (Photo 12)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
6-Is there erosion along the wing wall?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
7-Are there any signs of water flow along the base of the wall?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
8-Is there any water less than 14 feet between impingement and wall?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
9-Does the backfill or joint fabric appear to be saturated?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
10-Is there vegetation growing in panel joints (Photo 8)?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
11-Do the back drains and outlets at the top of the wall block? (Photo 14)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
12-Can water over the wall behind coping and side (i.e. Down approximately)?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
13-Is there evidence of discharge point of fill washing through drain pipes?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

MSB WALL JOINTS

Requirement	Pass	Fail	Measure/Extent of Problem/Location/Photo Numbers
14-Is backfill coming out of joints or are there piles of backfill at the base of the wall? (Photo 2 & 3)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
15-Are the joints wide enough to see fabric or backfill behind panels when looking horizontally? (Photo 3) If so, record the approximate maximum joint width in inches.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
16-Are there visible signs of fabric or backfill behind panels when looking vertically? (Photo 5)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
17-Are there visible signs of fabric or backfill or water looking through joint? (Do not include additional damage to fabric)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
18-Do the joints have a nonuniform horizontal spacing? Are some horizontal joints larger than others? (Photo 6)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
19-Do the joints have a nonuniform vertical spacing? Are some vertical joints larger than others? (Photo 6)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
20-Do the joints appear to be either in or out of the wall? (Photo 7) If yes, record the approximate maximum offset.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
21-Does the fabric appear brittle, or appear as if it has undergone excessive UV exposure?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

MSB WALL PACING

Requirement	Pass	Fail	Measure/Extent of Problem/Location/Photo Numbers
22-Are the panels "fit-to-fit" or is there excessive embedding in the panels?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
23-Are there cracks that continue vertically through adjacent panels? (Photos 9 & 10) If so, record the approximate number of panels in the wall with cracking.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
24-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	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
25-Do the panels appear to be in contact with each other? If yes, record the approximate number in the wall.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
26-Does the overlying coping exhibit Vertical Ventilation?	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
27-Are the coping and panels loose or delaminating? If yes, it may be appropriate to contact UDOT if delamination occurs.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
28-Do the panels in danger of falling off? (If present, note extent appropriate in notes)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
29-Do the panels show horizontal bowing? (If so, record maximum deflection from accessible coping to panel edge)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
30-Do the panels show vertical bowing? (If so, record maximum deflection from accessible coping to panel edge)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

MSB TOP OF WALL OBSERVATIONS

Requirement	Pass	Fail	Measure/Extent of Problem/Location/Photo Numbers
31-Is there evidence of mold at the top of the wall? (pavement cracking, etc)	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
32-Do the panels show signs of cracking or delamination? If so, record the approximate maximum crack width.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
33-Do the construction joints in the coping coping appear up? (Photos 6) If yes, record the maximum joint width.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
34-Is there a large gap between the coping and the adjacent pavement? (Photo 13) Other than this produces a bumping condition as the response is correct. Record the approximate maximum gap size.	Y	N	0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

Req'd	Y	N	NA	UNK	Measure/Extent of Problem/Location/Photo Numbers	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%	
32-A	Y	N	NA	UNK	32-A: At the abutment, has the joint between the wall coping and the abutment opened up significantly? If so, record maximum distance.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
32-B	Y	N	NA	UNK	32-B: Equipment pulling away from pavement roadway section? Please record maximum displacement for wall.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

RISE STABILITY

Req'd	Y	N	NA <th>UNK</th> <th>Measure/Extent of Problem/Location/Photo Numbers</th> <th>0-No</th> <th>1%</th> <th>5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th></th>	UNK	Measure/Extent of Problem/Location/Photo Numbers	0-No	1%	5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th>	10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th>	25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th>	50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th>	75% <th>90% <th>95% <th>100% </th></th></th>	90% <th>95% <th>100% </th></th>	95% <th>100% </th>	100%	
33-A	Y	N	NA	UNK	33-A: What is the location depth of leveling off? (Panel Gov't: note and record) 1' below from wall to a maximum depth of 24 inches (24 inches is the maximum depth for MSE walls)	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
33-B	Y	N	NA	UNK	33-B: Is leveling and exposed?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
33-C	Y	N	NA	UNK	33-C: Is there cracking in the leveling mat? If so, record maximum crack size with photo	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
33-D	Y	N	NA	UNK	33-D: Is there a four foot (four') board placed directly above the wall before the slope changes (Record Width)?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
33-E	Y	N	NA	UNK	33-E: Is there a three resistor (min 7' x 13 in R) in front of the wall? Please record slope and height of backfill above top of wall.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
33-F	Y	N	NA	UNK	33-F: Is there a slope greater than 1:1.3 in R:1 below the wall? Please record slope and height of backfill behind the wall.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
33-G	Y	N	NA	UNK	33-G: Is there excessive degradation of panel faces?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

RISE MINOR CORROSION

Req'd	Y	N	NA <th>UNK</th> <th>Measure/Extent of Problem/Location/Photo Numbers</th> <th>0-No</th> <th>1%</th> <th>5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th></th>	UNK	Measure/Extent of Problem/Location/Photo Numbers	0-No	1%	5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th>	10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th>	25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th>	50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th>	75% <th>90% <th>95% <th>100% </th></th></th>	90% <th>95% <th>100% </th></th>	95% <th>100% </th>	100%	
34-A	Y	N	NA	UNK	34-A: Is there excessive corrosion on panel(s) or other exposed metal that might indicate composite condition?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
34-B	Y	N	NA	UNK	34-B: Are there major rust stains on the face panel(s)? Along joints? If so, record total number.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
34-C	Y	N	NA	UNK	34-C: Are any structural members exposed? Does rust appear to be corrosion in these areas? If applicable please record the total number of items affected.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
34-D	Y	N	NA	UNK	34-D: Are any rebar exposed or exposed steel? If so, please indicate depth in inches.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
34-E	Y	N	NA	UNK	34-E: Are there any indications of rebar corrosion (swelling bars, rust, exposed metal inside epoxy coating)? If so please record the total number of panels affected.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

RISE IMPACT/COLLISION PROTECTION

Req'd	Y	N	NA <th>UNK</th> <th>Measure/Extent of Problem/Location/Photo Numbers</th> <th>0-No</th> <th>1%</th> <th>5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th></th>	UNK	Measure/Extent of Problem/Location/Photo Numbers	0-No	1%	5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th>	10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th>	25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th>	50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th>	75% <th>90% <th>95% <th>100% </th></th></th>	90% <th>95% <th>100% </th></th>	95% <th>100% </th>	100%	
35-A	Y	N	NA	UNK	35-A: Are panel(s) wall penetrations in place at the base of the wall for protection if there remains traffic hazard(s)?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
35-B	Y	N	NA	UNK	35-B: Does it appear that the wall has been involved in an accident (replaced panel, major damage to the wall)?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
35-C	Y	N	NA	UNK	35-C: Does it appear the walls functionally and integrity has been compromised by a collision or accident?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

RISE OBSTRUCTIONS IN REINFORCEMENT GEOMETRY

Req'd	Y	N	NA <th>UNK</th> <th>Measure/Extent of Problem/Location/Photo Numbers</th> <th>0-No</th> <th>1%</th> <th>5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th></th>	UNK	Measure/Extent of Problem/Location/Photo Numbers	0-No	1%	5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th>	10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th>	25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th>	50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th>	75% <th>90% <th>95% <th>100% </th></th></th>	90% <th>95% <th>100% </th></th>	95% <th>100% </th>	100%	
36-A	Y	N	NA	UNK	36-A: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
36-B	Y	N	NA	UNK	36-B: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

RISE AS BUILT DIFFERENT FROM DESIGN

Req'd	Y	N	NA <th>UNK</th> <th>Measure/Extent of Problem/Location/Photo Numbers</th> <th>0-No</th> <th>1%</th> <th>5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th></th>	UNK	Measure/Extent of Problem/Location/Photo Numbers	0-No	1%	5% <th>10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th></th>	10% <th>25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th></th>	25% <th>50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th></th>	50% <th>75% <th>90% <th>95% <th>100% </th></th></th></th>	75% <th>90% <th>95% <th>100% </th></th></th>	90% <th>95% <th>100% </th></th>	95% <th>100% </th>	100%	
37-A	Y	N	NA	UNK	37-A: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-B	Y	N	NA	UNK	37-B: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-C	Y	N	NA	UNK	37-C: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-D	Y	N	NA	UNK	37-D: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-E	Y	N	NA	UNK	37-E: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-F	Y	N	NA	UNK	37-F: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-G	Y	N	NA	UNK	37-G: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-H	Y	N	NA	UNK	37-H: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-I	Y	N	NA	UNK	37-I: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-J	Y	N	NA	UNK	37-J: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-K	Y	N	NA	UNK	37-K: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-L	Y	N	NA	UNK	37-L: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-M	Y	N	NA	UNK	37-M: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-N	Y	N	NA	UNK	37-N: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-O	Y	N	NA	UNK	37-O: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-P	Y	N	NA	UNK	37-P: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-Q	Y	N	NA	UNK	37-Q: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-R	Y	N	NA	UNK	37-R: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-S	Y	N	NA	UNK	37-S: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-T	Y	N	NA	UNK	37-T: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-U	Y	N	NA	UNK	37-U: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-V	Y	N	NA	UNK	37-V: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-W	Y	N	NA	UNK	37-W: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-X	Y	N	NA	UNK	37-X: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-Y	Y	N	NA	UNK	37-Y: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
37-Z	Y	N	NA	UNK	37-Z: Are there any obstructions in the reinforcement geometry?	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

Situation: Layout walls not built

only in Abutment Walls

STATE OF UTAH MSE WALL INSPECTION FORM

Compiled As Part of Research By The Utah Department of Transportation

Instructions:

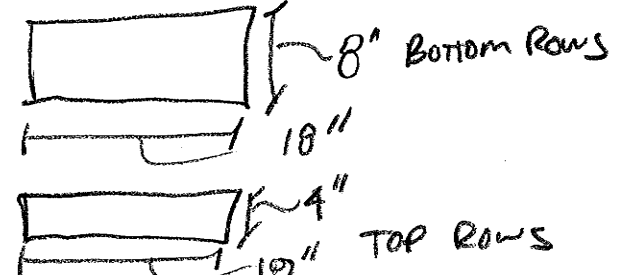
- 1-Fill out required sections for MSE Wall Inspector and Wall Characteristics.
- 2-Inspect the wall using the attached form. Questions that require a 'Yes' answer should be documented by noting the extent of the problem in the right most column and photo documentation. Photo documentation should consist 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

Inspector Information

Inspection Date	7/9/07	Names Of Inspectors	Ryan Maw, Holly Griffin
Region	1	Identifying Road/Intersection	Twin bridges - Moan canyon

MSE WALL CHARACTERISTICS

R-376 A + B ~~R-450~~

MSE Wall at Bridge:	<input checked="" type="radio"/> Y <input type="radio"/> N	Bridge Number if applicable:	F-678	Wall Number	R-376
Surrounding Structures			Maximum Height of Wall (ft)		23'
Distance to Each Structure			<input checked="" type="radio"/> One Stage, <input type="radio"/> Two Stage or Block Wall		
State Route Number	SR-89		Estimated Max Length of Wall Abutment:		
Approximate Mile Marker			Max Slope of Ground in front of wall:		
GPS Datum	<input checked="" type="radio"/> WGS/82, <input type="radio"/> NAD/83, or <input type="radio"/> NAD/27		Max Height of wall burial line above surrounding level ground:		
MSE Wall GPS Coordinates (Location of Measurement shown on plan view)	SEE FIRST FORM		Please draw rough layout of panel with approximate dimensions in space provided below:		
If known, Panel or System Manufacturer	polysynthetic				

Summary of Key Observations:

MSE WALL INSPECTION FORM

<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Are there acute wall angles (<90)?	90°
MSE AS BUILT DIFFERENT FROM DESIGN				
Required Tools:		Drawings		
Yes	No	N/A	MSE as built different than design	Measurement If Applicable
<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> N/A	Are there available drawings for the wall? Please indicate type (Situation and Layout, Design, As Built, etc.)	
<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> N/A	Is the layout in accordance with drawings?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Is the wall benched?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Are the panels "Tilt-Up"? Is there excessive cracking in the panels?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Was GEOFoam used in the construction of the wall?	
<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> N/A	Do the number of panel connections correspond with initial drawings?	
<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> N/A	Are there any structures on or near wall that were not included in initial drawings?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Are there any irrigation, utilities, or intrusions that are not part of the initial drawings?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Have there been any excavations or evidence of excavations near the wall?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Have local property owners changed the dynamics of the wall (additional structures, irrigation, vegetation, etc.)?	
<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> N/A	Are the panels CIP (Cast in Place) Does there appear to be excessive cracking in the panels?	

Instructions:

- 1-Input date of inspection, Name of Inspector, Region where wall is located, Road Identification, GPS Coordinates and whether the bridge is part of a structure such as an overpass embankment.
- 2-Inspect the Wall and answer the questions above. Reference the supplied sample photos for examples of indicators that it would be appropriate to mark 'Yes' for the stated question. If 'Yes' is marked it may indicate a potential problem with the wall, please document all 'Yes' answers with a digital photo, with sufficient detail to indicate why a 'Yes' was appropriate. The grey boxes indicate that a measurement is necessary and conversely the white indicate that a measurement should be taken and extent of problem. Please use care in taking these measurements as they may be consulted again in future inspections to track digression of wall conditions.
- 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.

Comments: Absentment/synopsis. Poor drainage along sides & Abutment of wall.
to indicate the

