

\* under construction

# 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**

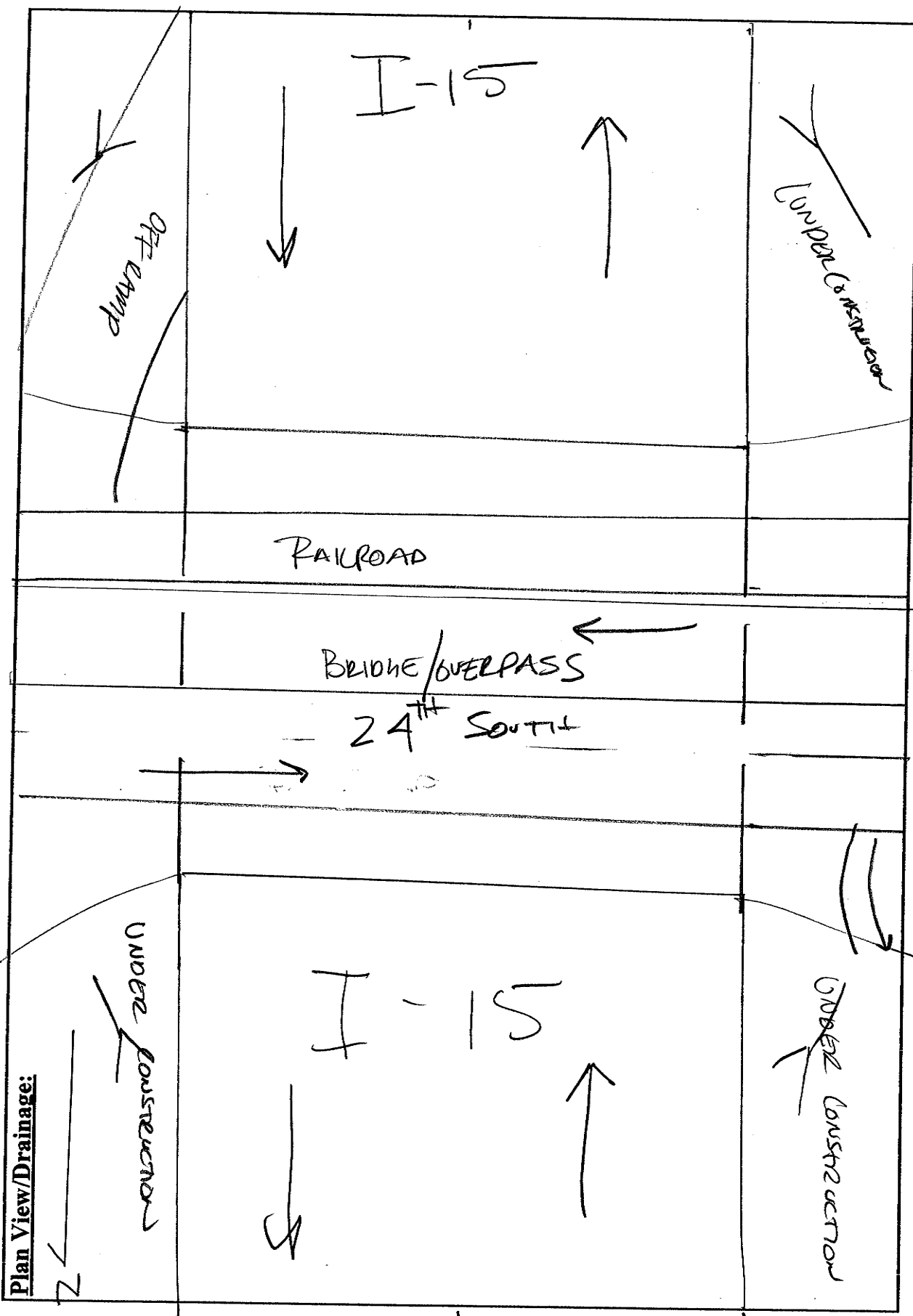
Inspection Date	7/27/2007	Names Of Inspectors	Ryan Man & Holly
Region	1	Identifying Road/Intersection	I-15 MILE MARKER 392

**MSE WALL CHARACTERISTICS**

MSE Wall at Bridge	<input checked="" type="checkbox"/> N	Bridge Number if applicable:	NA	Wall Number	495/496
Surrounding Structures	RAILROAD PSETO		Maximum Height of Wall (ft)	SEE PHOTO	
Distance to Each Structure	100 FT		One Stage, Two Stage or Block Wall	ONE STAGE	
State Route Number	I-15		Estimated Max Length of Wall Abutment	SEE PHOTO	
Approximate Mile Marker	342		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:	~35'	
MSE Wall GPS Coordinates (Location of Measurement shown on plan view)	N 41° 13.169'		Please draw rough layout of panel with approximate dimensions in space provided below.		
If known, Panel or System Manufacturer	NA				

**Summary of Key Observations:**

WHEN INSPECTED WALL WAS UNDER CONSTRUCTION THEREFORE LIMITING THE AMOUNT OF ACCESSIBILITY FOR INSPECTION.



I-15

DUMP CAMP

CONCRETE RESTRICTION

RAILROAD

BRIDGE/OVERPASS

24th SOUTH

I-15

UNDER CONSTRUCTION

UNDER CONSTRUCTION

Plan View/Drainage:

Cross Sections:

UNDER CONSTRUCTION  
AT TIME OF INSPECTION

Cross Sections:

MSE WALL DAMAGE

Table with columns: Required Item, Yes, No, N/A, URS, Description, Measurement/Extent of Problem/Location/Photo Numbers, and a grid of percentages (0%, 25%, 50%, 75%, 100%).

MSE WALL JOINTS

Table with columns: Required Item, Yes, No, N/A, URS, Description, Measurement/Extent of Problem/Location/Photo Numbers, and a grid of percentages (0%, 25%, 50%, 75%, 100%).

MSE WALL FACING

Table with columns: Required Item, Yes, No, N/A, URS, Description, Measurement/Extent of Problem/Location/Photo Numbers, and a grid of percentages (0%, 25%, 50%, 75%, 100%).

MSE TOP OF WALL OBSERVATIONS

Table with columns: Required Item, Yes, No, N/A, URS, Description, Measurement/Extent of Problem/Location/Photo Numbers, and a grid of percentages (0%, 25%, 50%, 75%, 100%).

Y	N	URS	37-A) The abutment, box the joint between the wall coping and the abutment repeated in 'spigotless' if a second maximum distance.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	37-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

REINFORCEMENT													
REINFORCEMENT GEOMETRY													
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Y	N	URS	38-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	38-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

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Y	N	URS	39-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	39-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

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Y	N	URS	40-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	40-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

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Y	N	URS	41-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	41-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

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Y	N	URS	42-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	42-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

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Y	N	URS	43-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	43-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

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Y	N	URS	44-A) Is the reinforcement placed in the wall coping and the abutment repeated in 'spigotless' if a second maximum distance?	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	N	URS	44-B) Is the coping wall pulling away from parapet/wallway sections? Please record maximum displacement for wall.	/ O-No	1%	5%	10%	25%	50%	75%	90%	95%	100%