

# 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**

<b>Inspection Date</b>	7/30/07	<b>Names Of Inspectors</b>	Ryan Maw, Holly Griffin
<b>Region</b>	2	<b>Identifying Road/Intersection</b>	SR - 224 MP 6

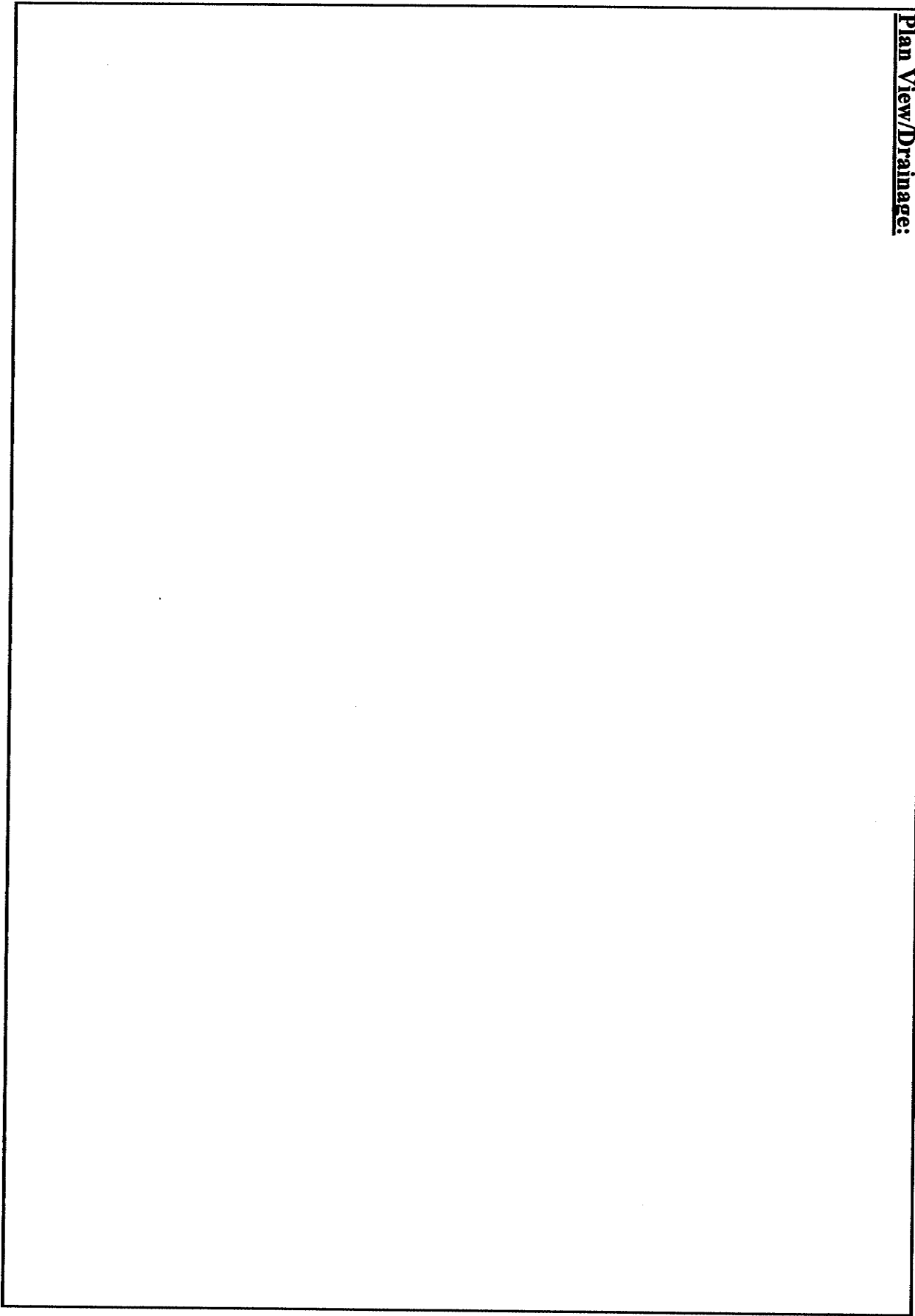
**MSE WALL CHARACTERISTICS**

<b>MSE Wall at Bridge</b>	Y <input checked="" type="radio"/> N	<b>Bridge Number if applicable:</b>		<b>Wall Number</b>	R-442
<b>Surrounding Structures</b>	power pole			<b>Maximum Height of Wall (ft)</b>	20ft
<b>Distance to Each Structure</b>	35 ft			<b>One Step, Two Steps or Block Wall</b>	bonched (2)
<b>State Route Number</b>	224			<b>Estimated Max Length of Wall Abutment:</b>	1440 ft
<b>Approximate Mile Marker</b>				<b>Max Slope of Ground in front of wall:</b>	0
<b>GPS Datum</b>	WGS/84, NAD/83, or NAD/27			<b>Max Height of wall burial line above surrounding level ground:</b>	0
<b>MSE Wall GPS Coordinates (Location of Measurement shown on plan view)</b>	N 40° 38.990			Please draw rough layout of panel with approximate dimensions in space provided below.	
<b>If known, Panel or System Manufacturer</b>	W 111.29.903				

**Summary of Key Observations:**

- severe panel deterioration
- along main thoroughfare
- severe bowing
- near power pole

**Plan View/Drainage:**



**Cross Sections:**

**Cross Sections:**

MSR WALL DISTANCE

Table with columns: Required, No, Yes, N/A, UNS, Description, Measurement/Extent of Problem/Locational/Photo Numbers. Rows 1-13 covering various wall and joint issues.

MSR WALL JOINTS

Table with columns: Required, No, Yes, N/A, UNS, Description, Measurement/Extent of Problem/Locational/Photo Numbers. Rows 14-21 covering joint-related issues.

MSR WALL FINISH

Table with columns: Required, No, Yes, N/A, UNS, Description, Measurement/Extent of Problem/Locational/Photo Numbers. Rows 22-34 covering wall finish and cracking issues.

MSR TOP OF WALL OBSERVATIONS

Table with columns: Required, No, Yes, N/A, UNS, Description, Measurement/Extent of Problem/Locational/Photo Numbers. Rows 35-36 covering top of wall observations.

