

HISTORIC AMERICAN ENGINEERING RECORD

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DENVER & RIO GRANDE RAILROAD, SAN JUAN
EXTENSION, WOLF CREEK TRESTLE
(Cumbres & Toltec Scenic Railroad, Lobato Trestle)
Crossing Wolf Creek at Milepost 339.78
Chama
Rio Arriba County
New Mexico

HAER NM-16

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Martin Stupich, photographer, November 2010

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| NM-16-1 | General view showing context, south end of trestle. View to northeast. |
| NM-16-2 | West side of trestle showing trestle bents (L-R) 1, 2, and 3, along with plate girders and burned ties. View to northwest. |
| NM-16-3 | View across trestle from south end of trestle deck. Remnant of walkway railing to right. View to north. |
| NM-16-4 | View from north end of trestle, showing two center guard rails spanning trestle deck. Note burned ties and rails warped by intense heat. View to south. |
| NM-16-5 | General oblique view of trestle showing north masonry abutment and entire span of plate girder with web stiffeners. Note bowed rails on the northernmost span (left) as a result of intense heat. View to southeast. |

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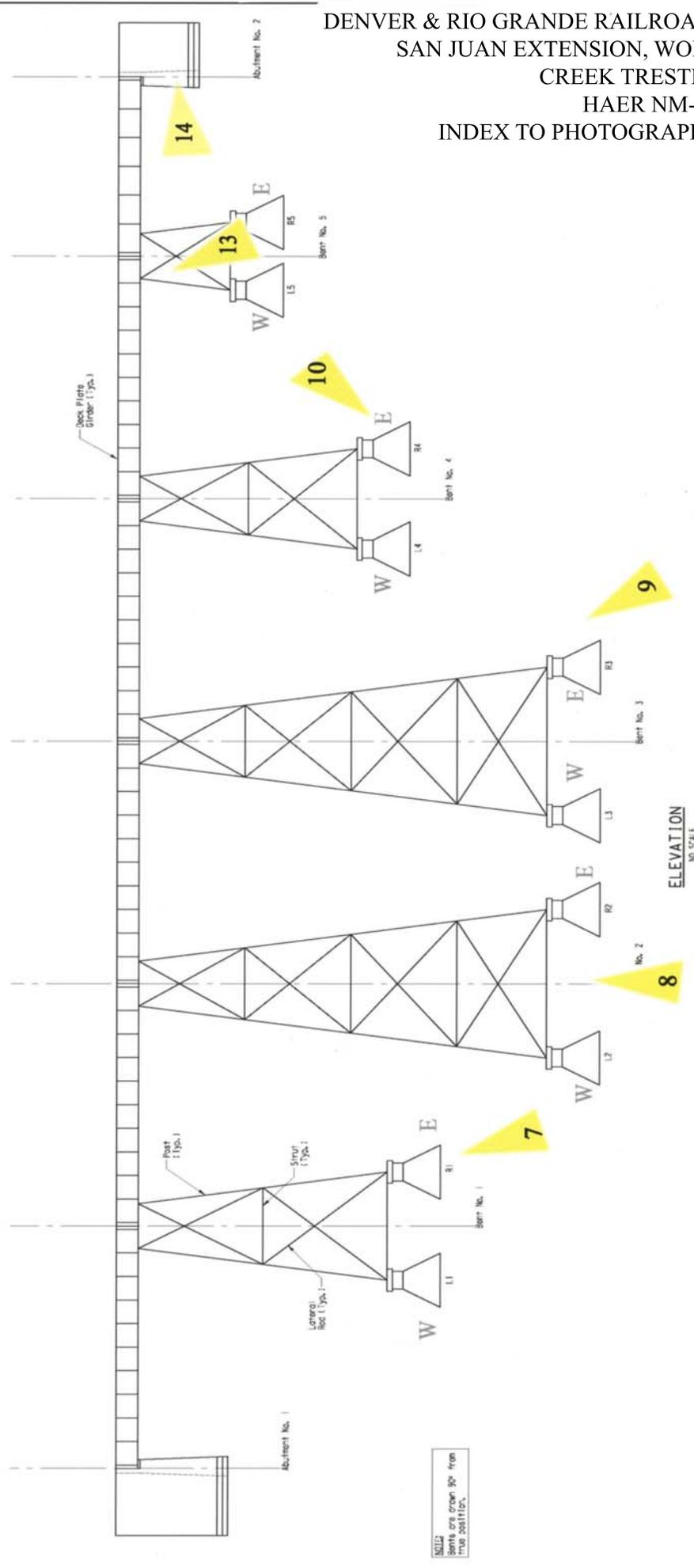
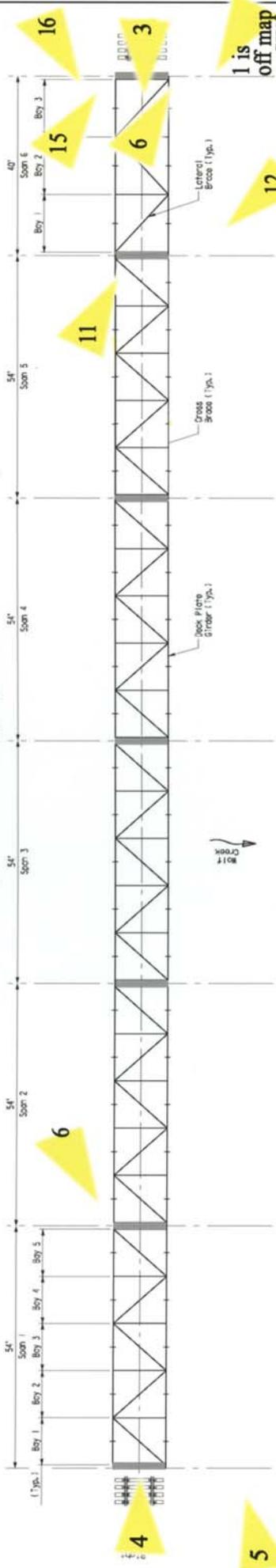
- NM-16-6 General view looking up to trestle, bents 1 and 2 (right to left) and north abutment supporting trestle with burnt ties and deck. View to northwest.
- NM-16-7 Detail of bent 2 showing bottoms of built-up columns with lattice bracing, lateral rod bracing, and horizontal struts, all resting on piers. View to northwest.
- NM-16-8 Wide view of bents 3, 2, and 1, featuring lateral rod "X" bracing. View to north.
- NM-16-9 View looking up the east leg of bent 3, showing lattice structure of horizontal struts, lateral rod bracing connections, and (on the trestle deck) lateral bracing connecting parallel plate girders. View to southwest.
- NM-16-10 Detail, east pier of bent 4, showing typical masonry pier cap supporting leg. View to southwest.
- NM-16-11 Detail of east leg of bent 5, illustrating built-up foot and connections, with plate (of cast iron) on concrete pier cap. View to south.
- NM-16-12 Detail of bent 5 illustrating lattice bracing on built-up girder, pinned and riveted connection to plate girder, lateral rod bracing with turnbuckles. View to southeast.
- NM-16-13 Detail of multiple connections atop west leg of bent 5, showing double-pinned connection at lateral rod "eye" connection to strut, pin, and rivet connection of plate girder to top of leg. "X" bracing stiffeners connecting west girder to east girder (typical). View to southwest.
- NM-16-14 South abutment under deck, showing plate girders with vertical web stiffeners, diagonal bracing spanning from east to west girder. View to south. (This abutment is shorter by several courses than the north one.)
- NM-16-15 Detail, east plate girder seated on south abutment (typical). Note vertical web stiffener and bolt connection at bearing plate. Scale illustrates 4-foot depth of girder. View to southwest.

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View under deck, typical of deck and tie connections to plate girders. Remnant of walkway projects right (east) from deck. Riveted web stiffeners are typical. Note 4-inch square hole in plate (near left) where sample was removed for metallurgical analysis. Bents 4, 3, 2, and 1 recede to the north. View to north.

Camera positions and directions of view for 16 photos of Lobato Trestle
 Nov. 25, 2010 Martin Stupich Photographer · martinstupich@mac.com



NOTE: Bents are shown 30' from true position.

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