



ANDERSON ENGINEERING AND SURVEYING, INC.
PROFESSIONAL ENGINEERS AND LAND SURVEYORS

17681 Hwy. 395, Lakeview, Oregon 97630
(541) 947-4407 Fax (541) 947-2321
www.andersonengineering.com

March 02, 2009

Bob O'Neal
City of Bend Engineering
PO Box 431
Bend, OR. 97709

Dear Bob:

On February 23, 2009 Anderson Engineering & Surveying, Inc. performed routine bridge inspections on the City of Bend bridges over the local canal crossings.

Although not found to be structurally deficient, Bridge No. 17C38 (American Lane) has poor approach and deck wearing surface conditions causing significant impact to the railroad car girder structure. Due to all the AC cracking the timber deck is very moisture stained and is deteriorating. This bridge has welds across the lower flange of the beams and also has an addition of utility brackets welded to the girders. The welds are very poor quality and are considered fatigue prone welds. The ADT and ADTT are also substantial for a railroad car structure and would suggest that this Bridge be considered for future replacement by the City.

If you have any questions or concerns about these or other structures please feel free to call.

Sincerely,

Greg Sharp
Bridge Inspector 02030

cc: Steve Tuttle, ODOT

ADT
Aver. Daily Traffic
T (tonnage)
?