PART 2 – DETAILED VISUAL INSPECTION

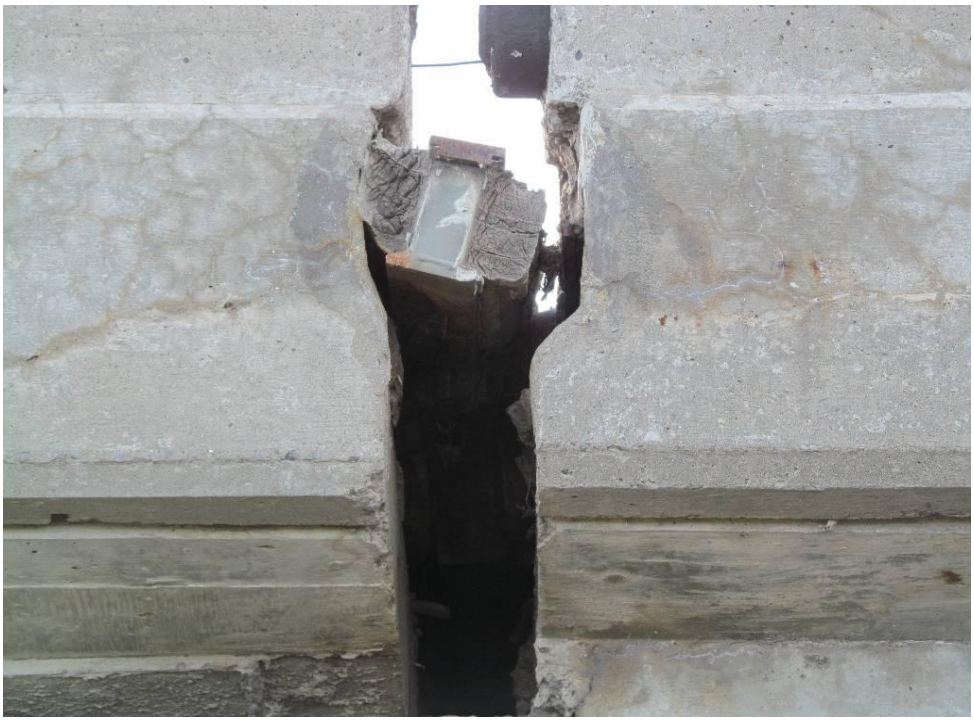

Figure A.11 (b) Compression Seal Joint

Condition State: Poor	**Performance Deficiency: Continuity of roadway surface and leakage.**
Seal is leaking	Seal has insufficient pre-compression to fill gap and separation beam twisted in joint.

PART 2 – DETAILED VISUAL INSPECTION

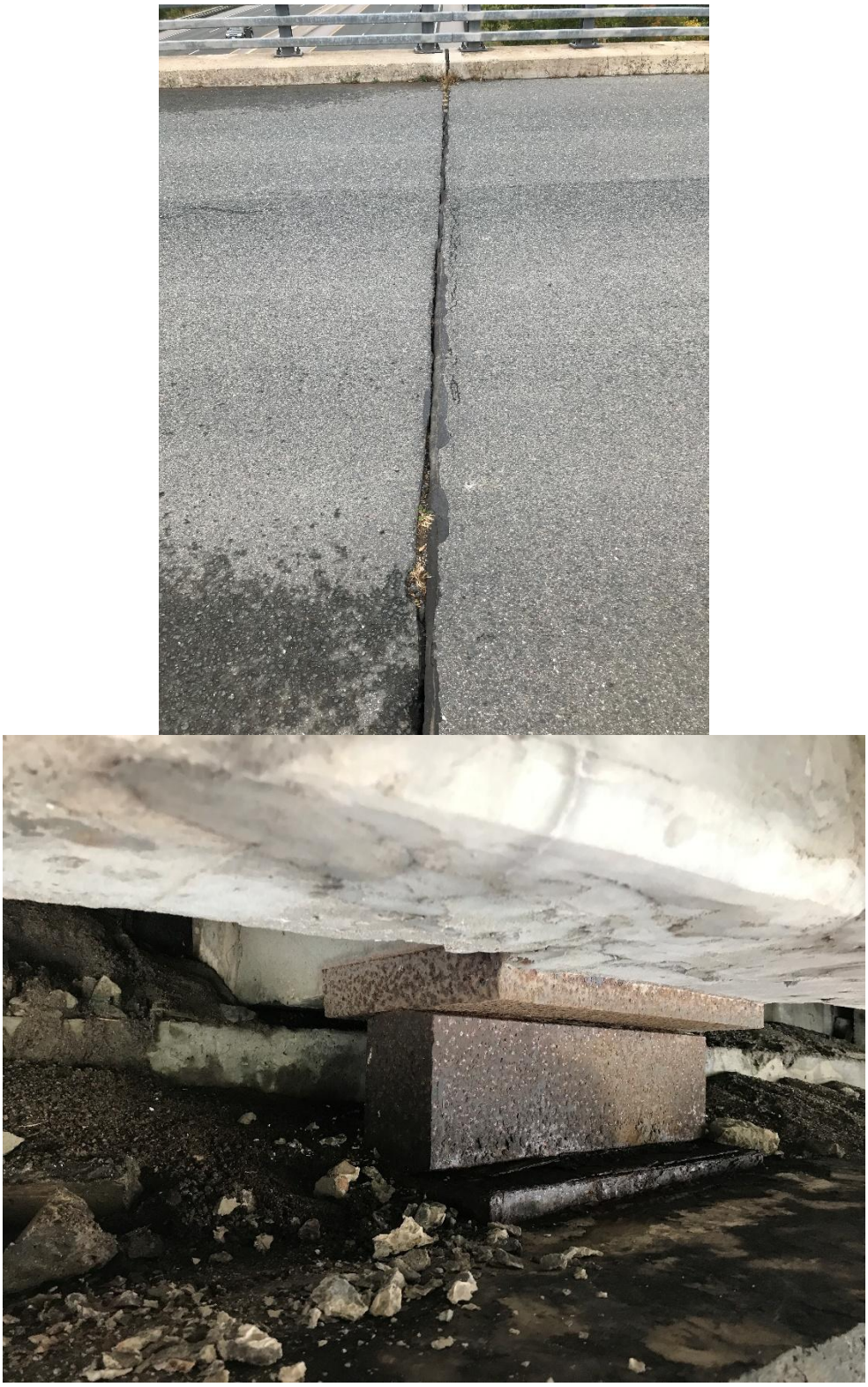

Figure A.11 (c) Paved-Over Joint and Leakage Effects

PART 2 – DETAILED VISUAL INSPECTION

Condition State: Poor	Performance Deficiency: Leaking, with
Significant cracking of asphalt. Joint leaking, providing no protection to elements below.	Top photo showing joint leaking, and bottom photo showing consequences. Debris includes concrete spalled from ballast wall and deck end, as well as sand from roadway.

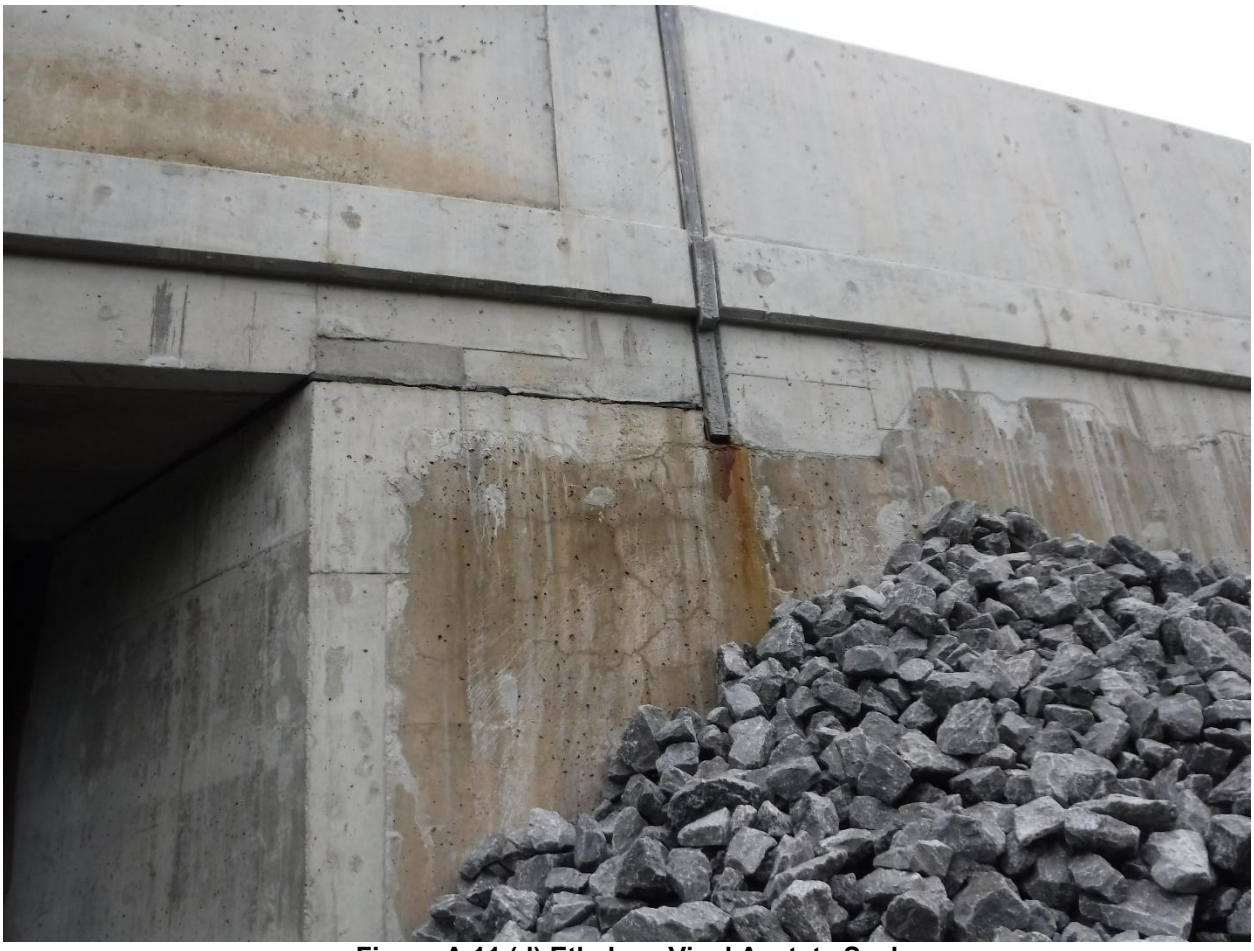

Figure A.11 (d) Ethylene Vinyl Acetate Seal

Condition State: Poor	Performance Deficiency: Leaking
Loss of resiliency of seal	Seal allowing water leakage

PART 2 – DETAILED VISUAL INSPECTION

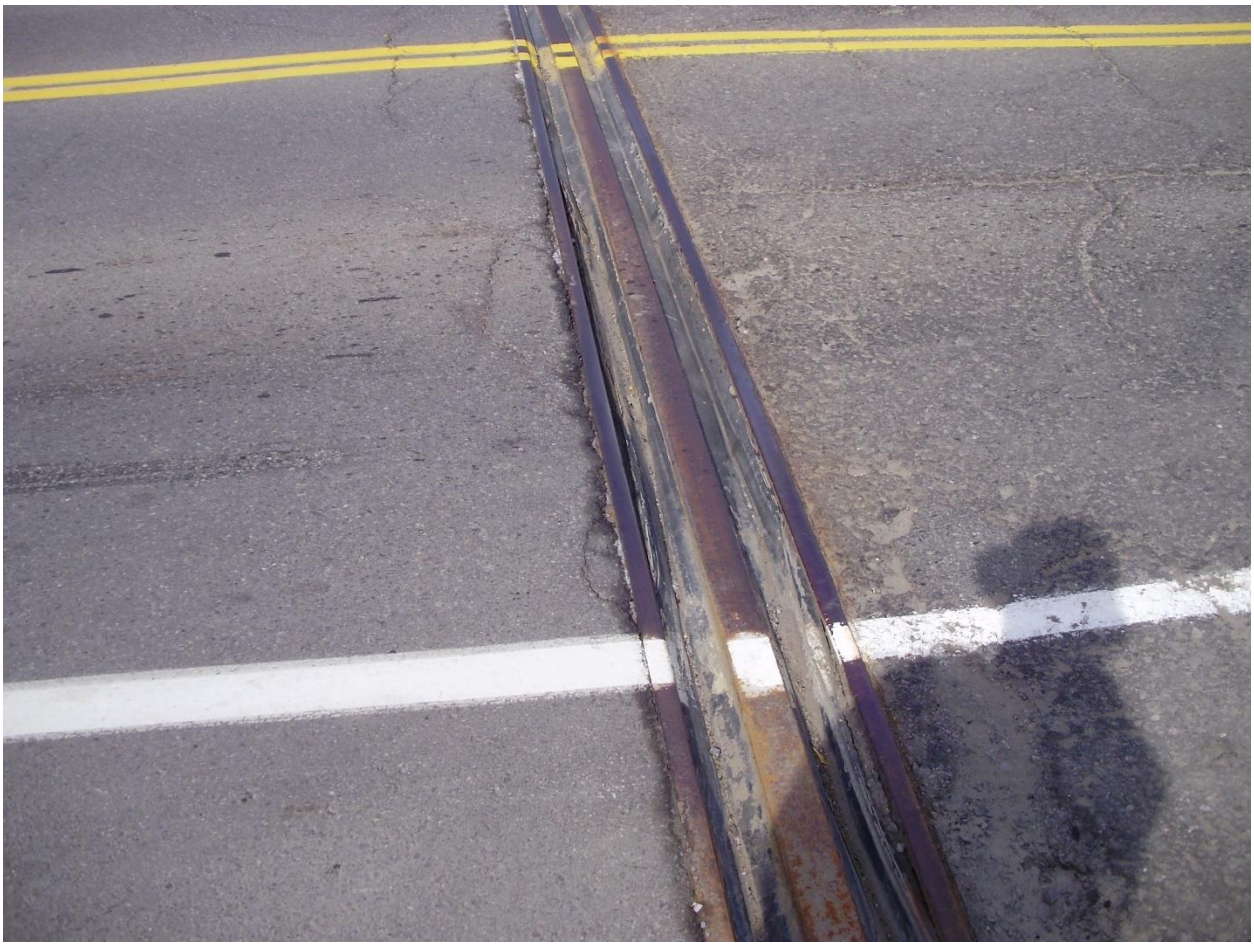

Figure A.11 (e) Multiple Seal Joint

Condition State: Poor	Performance Deficiency: None
Seal torn and joint is leaking	

PART 2 – DETAILED VISUAL INSPECTION

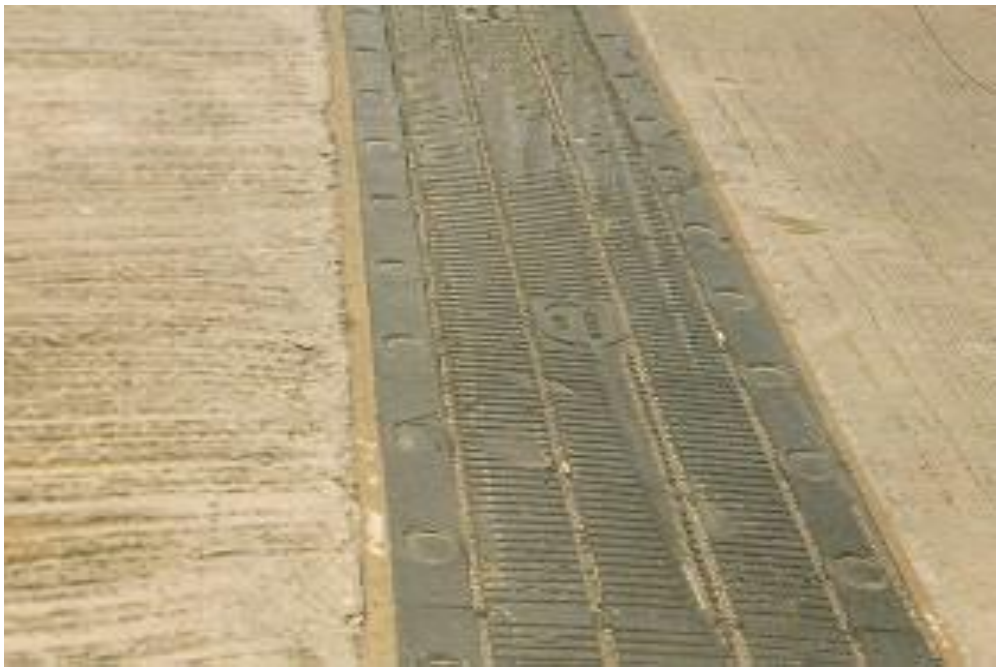

Figure A.11 (f) Rubber Cushion Joint

Condition State: Poor	Performance Deficiency: None
Joint is leaking	

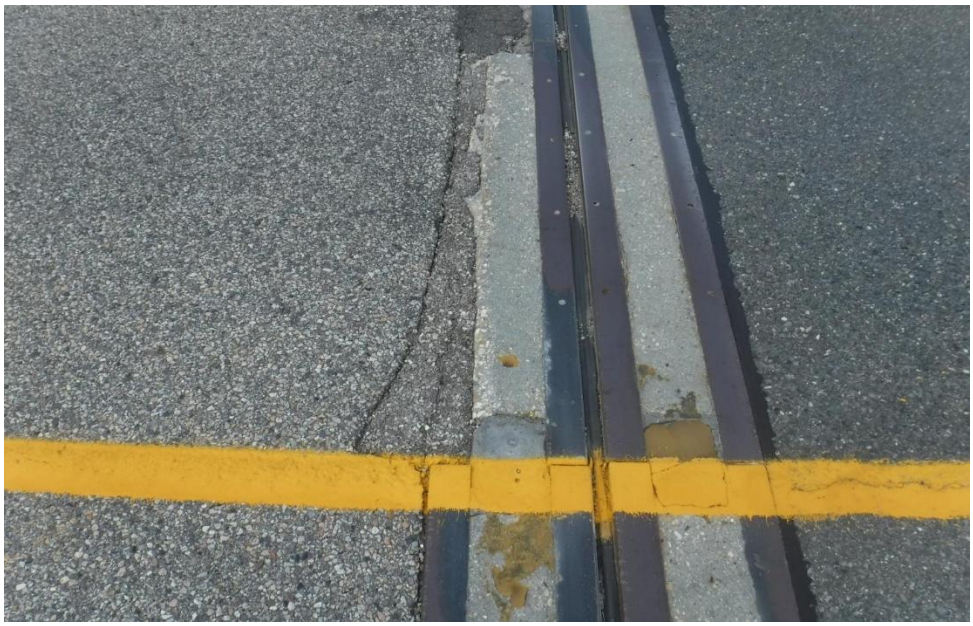

Figure A.11 (g) Expansion Joint Armouring

Condition State: Poor	**Performance Deficiency: Rough riding surface.**
Armouring missing over considerable length.	Expansion joint end dam will continue to be damaged and adjacent section of armouring may catch on snowplough.

A.12 PIERS

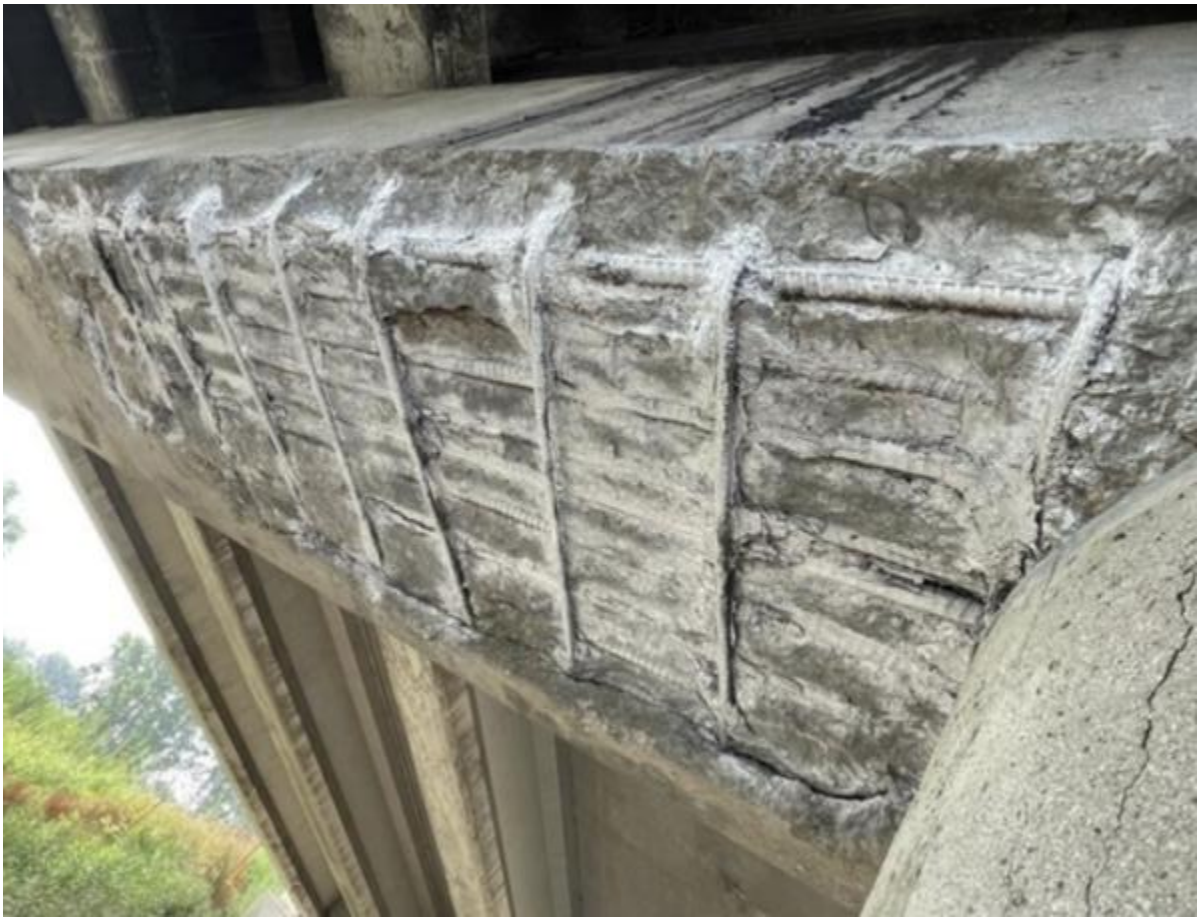

Figure A.12 (a) Concrete Pier Cap

PART 2 – DETAILED VISUAL INSPECTION

Condition State: Poor	Performance Deficiency: None
Very severe spalling and corrosion of exposed reinforcement	

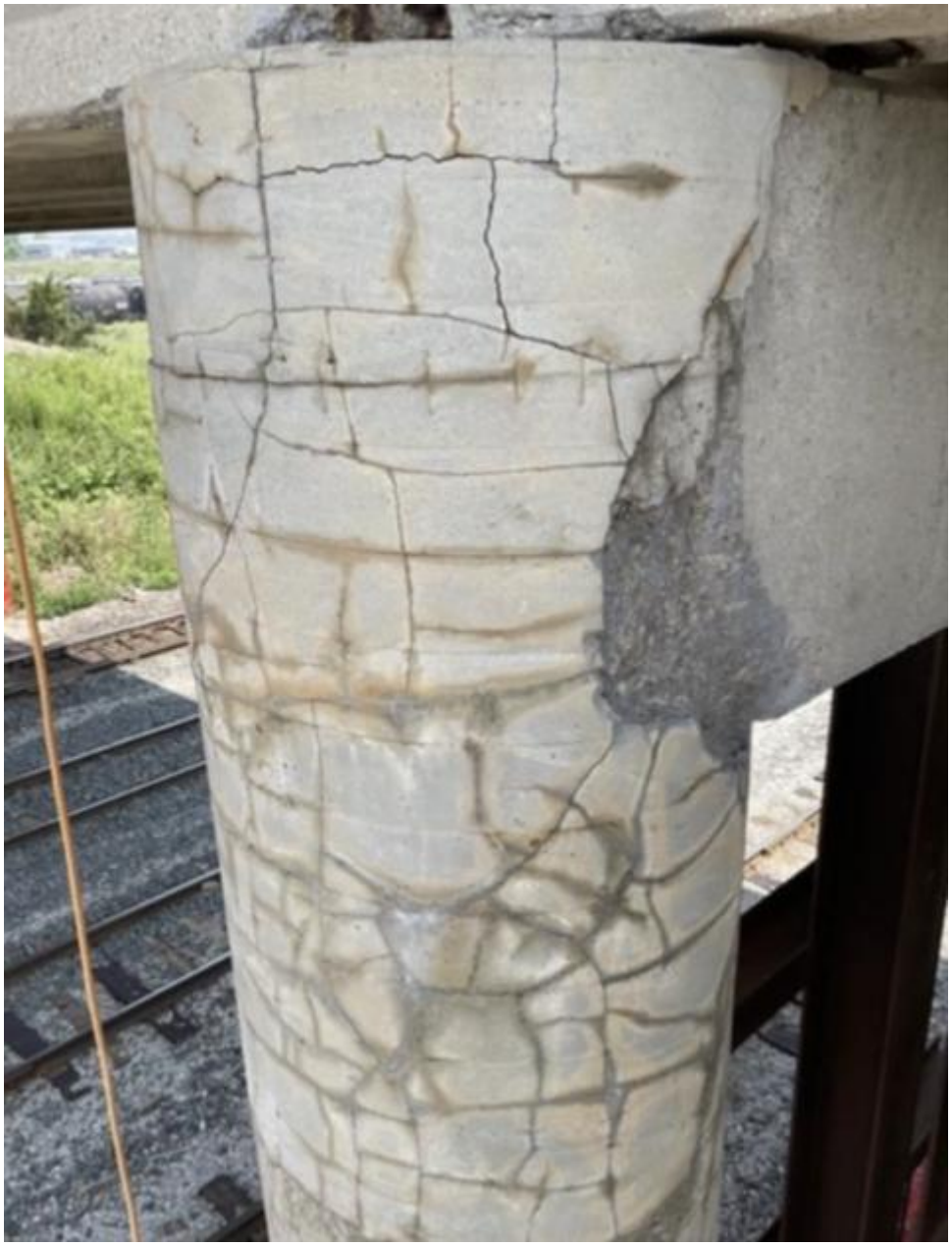

Figure A.12 (b) Concrete Pier Column

Condition State: Poor	Performance Deficiency: None
Very severe spalls and delamination and	Concrete refacing is performing poorly. The

spalling of the column, Medium to wide stained pattern cracking.	condition of the pier prior to refacing should be revisited and whether this refacing has addressed any load capacity issues it was intended to resolve.

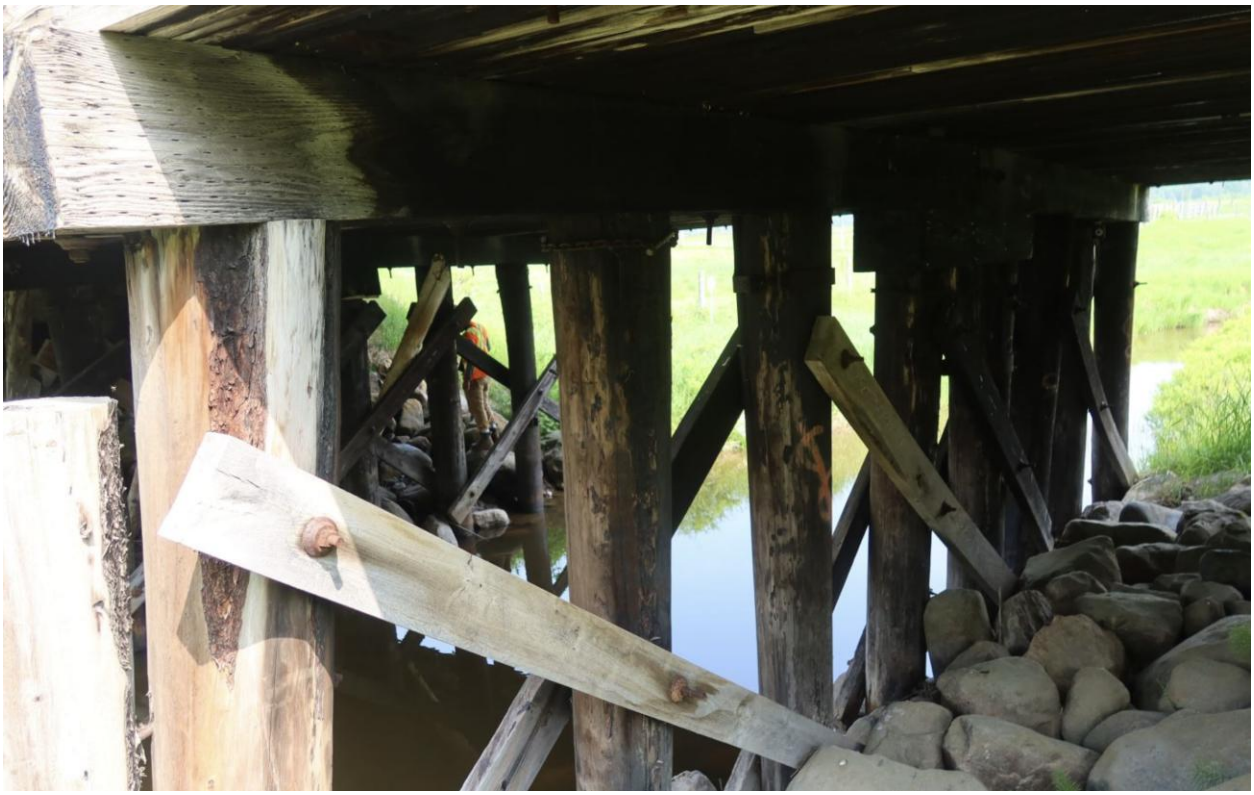

Figure A.12 (c) Wood Pier Columns

Condition State: Good/Poor	**Performance Deficiency: None**
Good: Light weathering of piles. Overall in good condition. Poor: Some severe splits observed at the pier collars	No evidence of movement. Piles are straight with no major defects or loose components. Pier cap is evenly supported by piles.

PART 2 – DETAILED VISUAL INSPECTION

Figure A.12 (d) Masonry Pier

Condition State: Fair	**Performance Deficiency: None**
Medium crack in stone	Previous movement has stabilized

PART 2 – DETAILED VISUAL INSPECTION

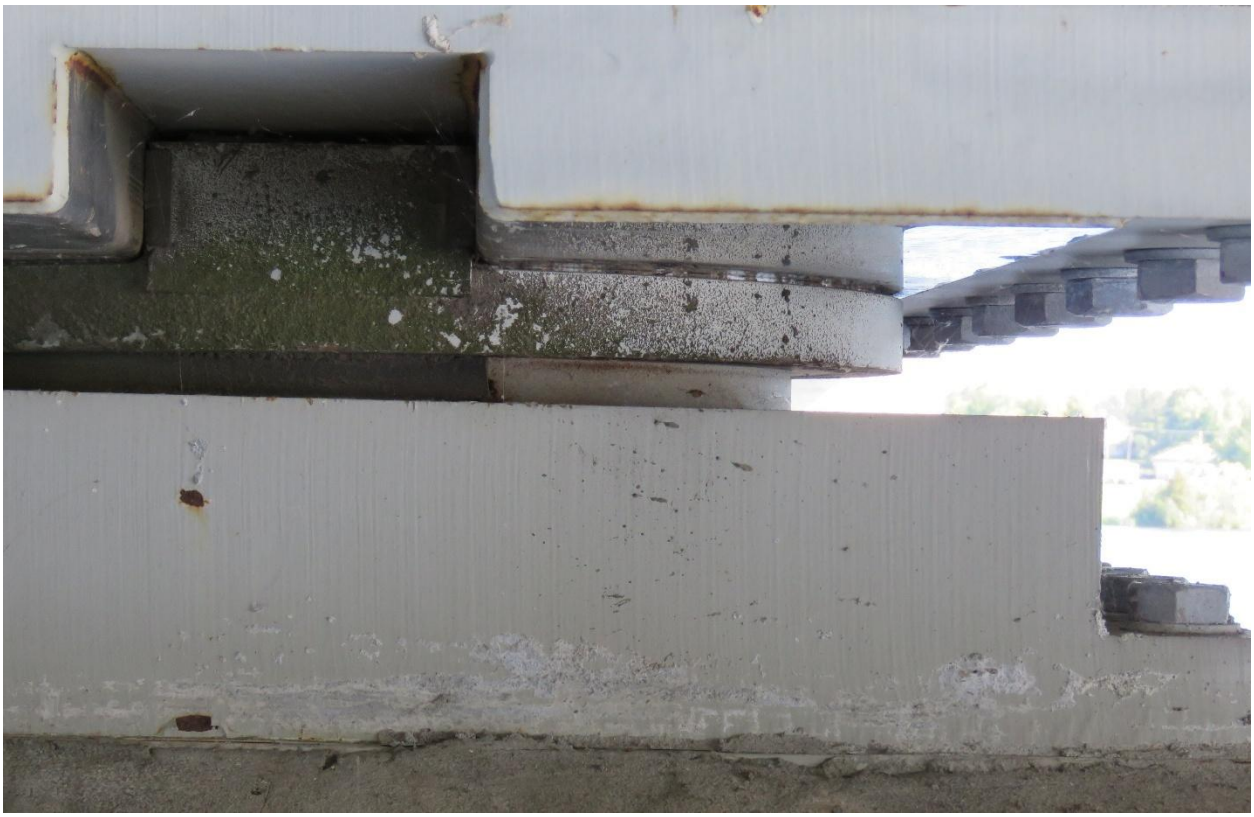

Figure A.12 (e) Disc Bearing

Condition State: Fair	**Performance Deficiency: None**
Dust seal broken, with half missing	

PART 2 – DETAILED VISUAL INSPECTION

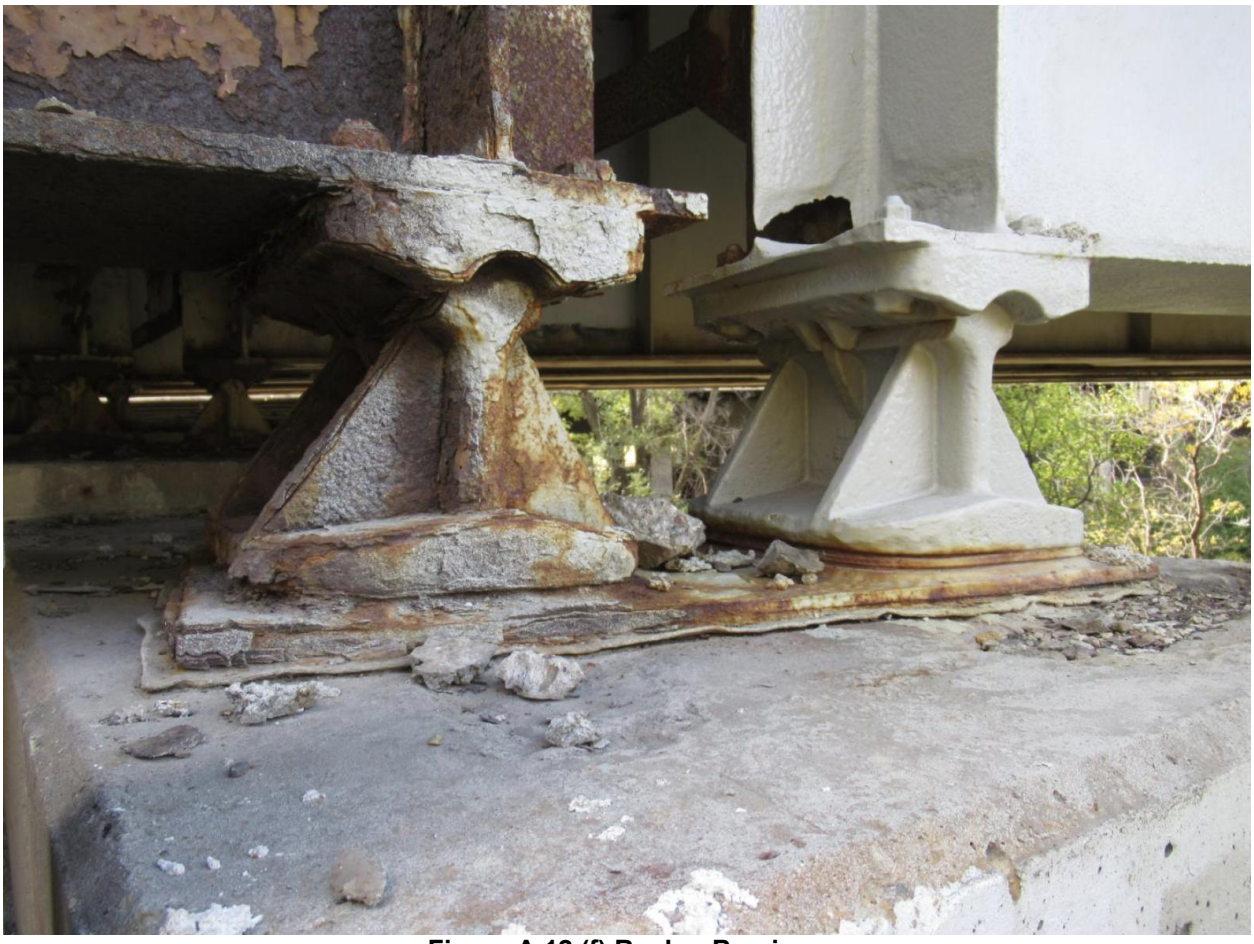

Figure A.12 (f) Rocker Bearings

Condition State: Good and Poor	Performance Deficiency: Seized Bearing
Good: Rocker bearing on right has light corrosion at the base but is otherwise in good condition. Poor: Rocker bearing on left has moderate corrosion and is locked in position as evidenced by the buildup of corrosion products.	Bearing on left is seized.

PART 2 – DETAILED VISUAL INSPECTION

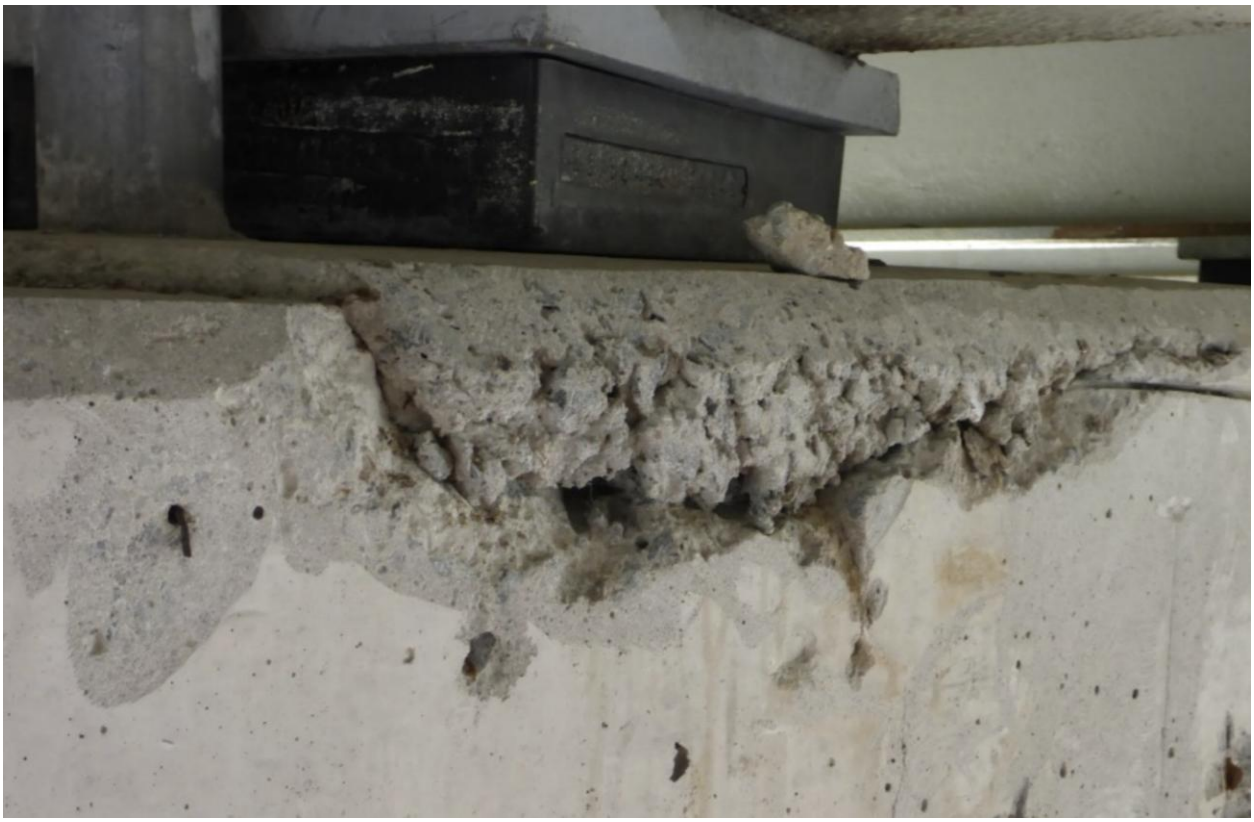

Figure A.12 (f) Concrete Pier Cap

Condition State: Good / Poor	Performance Deficiency: None
Bearing support at pier cap was repaired but resulted in moderate honey combing of the new concrete and did not completely repair the spalled concrete underneath. Unrepaired area should be considered poor while the honeycombing would be considered good because the holes are less than 25 mm deep.	