

APPENDIX B

BRIDGE ASSESSMENTS

Little Thompson Bridge Assessment Summary					
Bridge Location	Type	Approx. Dimensions	Owner	Has the bridge been inspected?	Describe damage and repair work as of Summer 2014
LCR 47	Concrete	varies	Larimer County	NA	A series of four culvert crossings with 2 or 3 culverts estimated to be 36 to 48 inch dia were installed after the flood along CR47 as a temporary replacement of pre-flood structures. Planning and design for replacements have not yet begun.
Hwy 36-Pinewood	Concrete	Unknown	CDOT	Yes	Not required
Cree Bridge-Pinewood Spgs	Concrete	65-ft span	Larimer County	Yes	Bridge plugged with debris, flows flanked bridge and caused significant damage. Planning and design currently underway for repairs.
Kiowa Bridge-Pinewood Springs	unknown	35 ft span low water crossing	Larimer County	Yes	Bridge was totally destroyed by flood. Crossing is being replaced with new bridge designed to County Stds. Planning and design currently underway.
Stagecoach Road	Concrete	3-circular concrete culverts	Larimer County	Yes	Bridge plug with debris, flows flanked bridge and caused significant damage. Repairs are being planned to repair bridge to pre-flood condition.
BCR 23 (83rd)	Concrete	60 ft span 26 ft high	Boulder County	Yes	Bridge was washed out; design and planning currently underway.
LCR 21	Concrete	70 ft span 29 ft high	Larimer County	Yes	Bridge was washed out; repairs underway.
Green Monster	Steel Truss	Unknown	Private	Unknown	Bridge was overtopped but damage appears minimal. Capacity is likely less than County Stds.
LCR4	Concrete	70 ft span 37 ft high	Larimer County	Yes	Riprap placed on upper banks of all the abutments but may require additional toe protection.
HW287	Concrete	90 ft span 40 ft high	CDOT	Yes	Riprap placed on upper banks of all the abutments but may require additional toe protection.
LCR17	Concrete	53 ft span 37 ft high	Larimer County	Yes	Severe damage to left abutment of this bridge; repairs completed.
LCR4e	Concrete	58 ft span 23 ft high	Larimer County	Yes	Riprap placed on upper banks of all the abutments but may require additional toe protection.
LCR15a/RR	Concrete/Steel	54 ft span 13 ft high	Larimer County	Yes	Riprap placed on upper banks of all the abutments but may require additional toe protection.
LCR6c	Concrete	30 ft span 15 ft high	Larimer County	Unknown	Condition and state of repair unknown.
LCR1/County Line Rd	Concrete	99 ft span 32 ft high	Berthoud	Yes	The right abutment of the bridge was washed out during the flood. Right abutment has been repaired with new riprap bank protection and scour protection.
WCR3	Concrete	75 ft span 30 ft high	Weld County	Yes	Partial loss of roadway approach; riprap placed on upper banks of right abutment and in scour hole.

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Bridge Location	Type	Approx. Dimensions	Owner	Has the bridge been inspected?	Describe damage and repair work as of Summer 2014
WCR5	Concrete	65 ft span 30 ft high	Weld County	Yes	Riprap placed on upper banks of left abutment; additional riprap likely needed on right abutment and for scour toe protection.
WCR7	Concrete	50 ft span 25 ft high	Berthoud	Unknown	Riprap placed on upper banks of the abutments; may require additional toe protection.
I-25/Frontage Rd	Concrete	75 ft span 30 ft high	CDOT	Yes	Large head cut on upstream end of I-25 bridge and undermining of pier. CDOT performed some repairs following field assessments.
HW56/WCR44	Concrete	36 ft span 25 ft high	Berthoud	Not sure	Flood went over left bank tore out asphalt on road; Asphalt and bridge deck have been replaced. No riprap has been installed on abutments.
WCR13	Concrete	58 ft span 24 ft high	Weld County	Yes	Lost asphalt on bridge deck and asphalt on north side approach to bridge. Asphalt and bridge deck have been replaced. No riprap has been installed on abutments.
WCR15	Concrete	50 ft span 20 ft high	Johnstown	Unknown	It appears there was pretty severe bank erosion on the left bank both U/S and D/S of the bridge. Property owners have filled in material in the banks but no riprap protection present.
WCR17/Parish Ave	Concrete	50 ft span 20 ft high	Johnstown	Unknown	Some riprap placed on upper banks of the U/S abutments; may require additional scour protection.
WCR46.5/RR	Concrete/Steel	38 ft span 20 ft high	Johnstown	Unknown	Yes, riprap placed on upper banks of RR abutments, very little on road abutments; may require additional scour protection.
WCR19	Concrete	50 ft span 20 ft high	Weld County	Yes	Lost asphalt on bridge deck and erosion on U/S left bank; New asphalt on bridge deck and riprap has been place on left abutment.
HW60/RR	Concrete/Steel	40 ft span 20 ft high	CDOT/RR	Yes	There was significant washout of each abutment with exposed H piles and erosion of the left bank U/S of the bridge; CDOT backfilled the abutments and placed riprap on U/S and D/S ends of the abutments and added toe down protection. The RR also repaired their bridge.
HW257	Concrete	90 ft span 20 ft high	CDOT	Yes	The right abutment of the bridge was washed out during the flood; CDOT backfilled the right abutment and placed riprap on all the abutments/
RR Bridge	Steel Deck with Wooden Piers	Unknown	RR	Unknown	A lot of work has been done on the bridge, but no scour protection; may require additional toe protection