Bad River Band of Lake Superior Chippewa

Flood Damage
July 2016
OUTLINE

Aerial Photographs

Damage Photos

Transportation Impacts
AERIAL PHOTGRAPHS

Old Odanah Community/US 2

Bad River Reservation/US 2
AERIAL PHOTGRAPHS

Bad River Reservation/US 2

Bad River Reservation/Kakagon

Bad River Flood Damage – July 2016
AERIAL PHOTGRAPHS

Odanah/US 2 over Denomie Creek

Bad River Reservation

Bad River Flood Damage – July 2016
AERIAL PHOTGRAPHS

Bad River Flood Damage – July 2016
DAMAGE PHOTOS

Kinninnic Road

Caville Road

Maple Street

Maple Street

Old Odanah

Boat Landing

Bad River Flood Damage – July 2016
DAMAGE PHOTOS

**Government Road**
15.2 miles long  
Paved/Gravel road  
Full time residents  
Access to thousands of acres of land

- Washout making road impassable
- Shoulder aggregate loss
- Debris on upstream side of bridge
- Approach/Wingwall erosion
Major erosion/washout

Elm Hoist Road
7.2 miles long
Gravel road
Access to thousands of acres of land

Major erosion/surface loss

Erosion under abutment

Erosion under abutment

Major erosion/impassable

Bad River Flood Damage – July 2016
DAMAGE PHOTOS

Graveyard Creek Road
3.0 miles long
Gravel road
Access to Lake Superior and critical hunting and gathering land

Major erosion/washout

Drainage failure/erosion

Major erosion/washout

Complete road erosion

Bad River Flood Damage – July 2016
Approach washout at bridge

Multiple major washouts

Debris removal

Potato River Road
6.8 miles long
Gravel road
Access to thousands of acres of land

Note – We still have not seen the entire road because of the damage and limited access

Debris removal

Surface loss/reconstruct ditches

Bad River Flood Damage – July 2016
**Lake Road**

3.7 miles long
Gravel road/Full time residents
Access to thousands of acres of land

**Bad River Flood Damage – July 2016**
DAMAGE PHOTOS

Caville Road – significant erosion
Birch Hill Road – Replace culvert
Pedestrian Trail – complete loss
Wisconsin Avenue
Falls Trail
Miller Road

Bad River Flood Damage – July 2016
TRANSPORTATION IMPACTS

• US 2 closed Jul 11-16
  – Now open (with detour for passenger vehicles only)
  – DOT planning Jul 22 to open for commercial vehicles
• HWY 169 remains closed
• HWY 13 remains closed

• BIA/Tribal/Town roads within reservation
  – 43.3 miles of complete closure (no access)
  – Approx. 20 miles of damaged roads with limited access
  – Does not include State or County Roads
• BIA Bridges (7 Total)
  – 4 Bridges open to traffic
  – 2 Bridges closed with approach failure
  – 1 Bridge unknown (remains inaccessible - Potato River Brd)
• Town Bridges
  – 2 Bridges closed with approach failure
• Initial est of $2.6 M damage Bad River Rds (BIA/Tribal/Town)