

GEOHAZARD ASSESSMENT PROGRAM
NORTH CENTRAL REGION – ATHABASCA

2009 INSPECTION



| Site Number | Location | Name | Hwy | km |
|-------------------|--|----------------------------|----------|------|
| NC 53 | 75 km north of Slave Lake and 36 km from the junction of highways 88 and 754 | North of Slave lake | 754:04 | 18.6 |
| Legal Description | | UTM Co-ordinates (NAD 83) | | |
| SE-29-77-3-W5M | | 11 N 6175492 | E 661880 | |

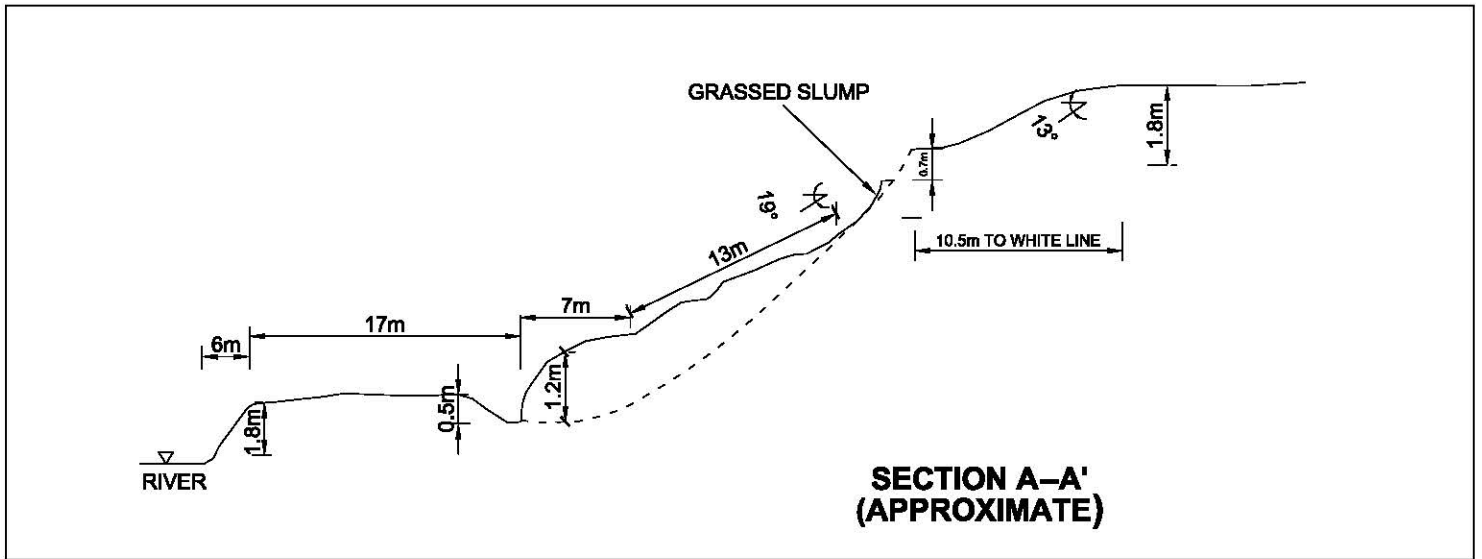
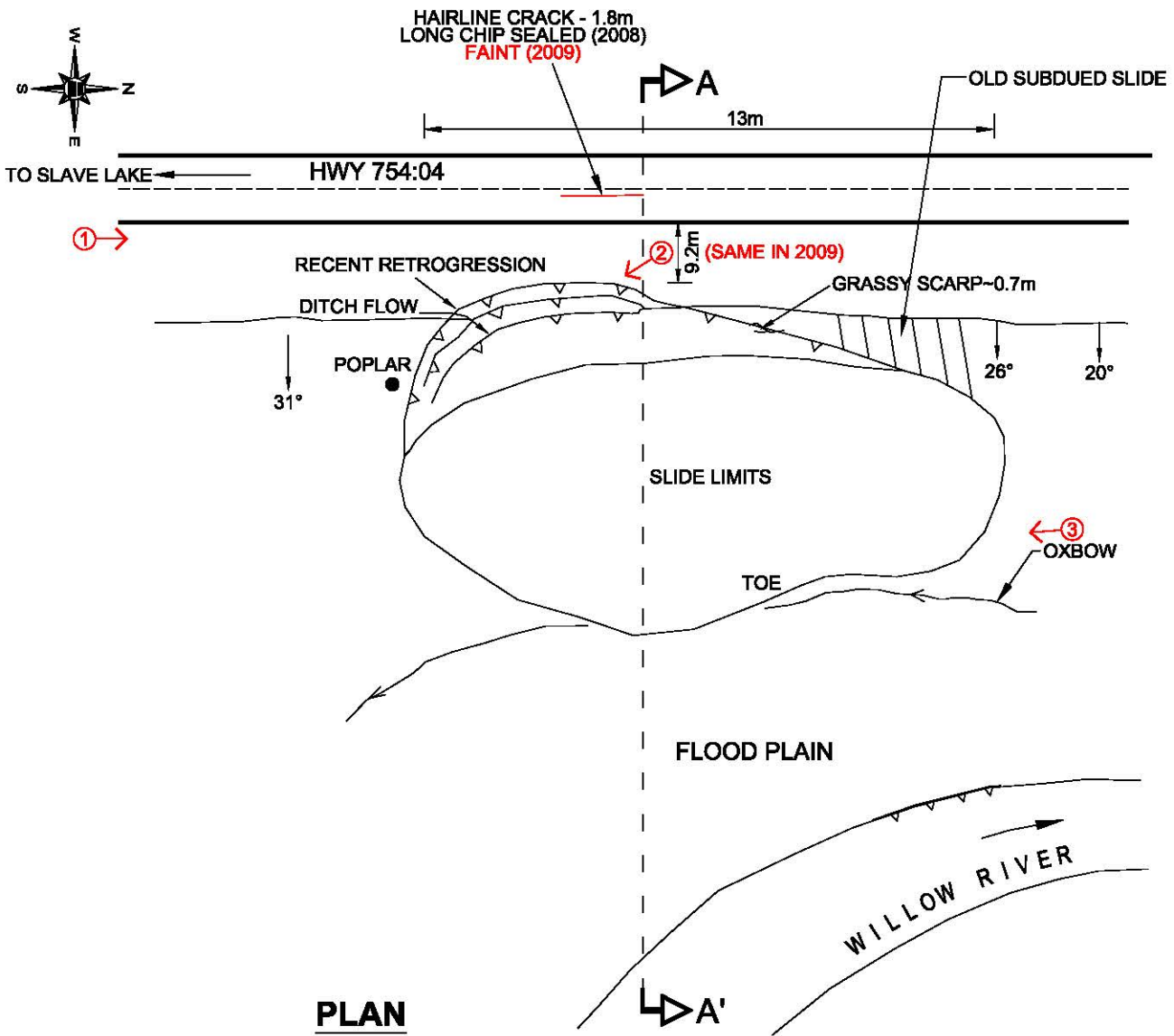
| | Date | PF | CF | Total |
|-----------------------------|--|----|--------------|-------|
| Previous Inspection: | June 9, 2008 | 8 | 2 | 16 |
| Current Inspection: | June 18, 2009 | 8 | 2 | 16 |
| Road AADT: | 720 | | Year: | 2008 |
| Inspected By: | Tarek Abdelaziz, Renato Clementino (Thurber) Roger Skirrow, Neil Kjelland, Arthur Kavulok, Gordon Wolters (TRANS) | | | |
| Report Attachments: | <input checked="" type="checkbox"/> Photographs <input checked="" type="checkbox"/> Plans <input type="checkbox"/> Maintenance Items | | | |

| | | |
|---|--|--------------------------|
| Primary Site Issue: | A landslide near the edge of the highway clear zone | |
| Dimensions: | About 13 m long | |
| Date of any remediation: | N/A | |
| Maintenance: | Highway chip-sealed in 2008 | |
| Observations: | Description | Worse? |
| <input checked="" type="checkbox"/> Pavement Distress | Hairline reflective crack on highway surface | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Slope Movement | The distance between the eastern edge of the highway shoulder and the slide's headscarp remained unchanged (i.e. 9.2 m as measured in 2008) | <input type="checkbox"/> |
| <input type="checkbox"/> Erosion | | <input type="checkbox"/> |
| <input type="checkbox"/> Seepage | | <input type="checkbox"/> |
| <input type="checkbox"/> Bridge/Culvert Distress | | <input type="checkbox"/> |
| <input type="checkbox"/> Other | | <input type="checkbox"/> |

Instrumentation: None

Assessment (Refer to attached Figure):
The site observations indicated that the slide has been creeping at a very slow rate.

Recommendations:
As discussed on site, the slide has been creeping at a very slow rate and the site conditions have not change significantly since being inspected. Therefore, this site will be temporarily removed from the Geo-hazard Assessment Program. However, the MCI will continue to visually inspect the site, seal any open cracks, monitor the retrogression of the slide head scarp to the highway lanes, and watch closely for any additional visible signs of slide movement.



NOTE :

2009 OBSERVATIONS SHOWN IN RED

① → PHOTOGRAPH APPROXIMATE LOCATION AND DIRECTION (JUNE 18, 2009)

**FIGURE NC53-1 SKETCH SITE PLAN
NC53 HWY 754:04 Km 18.6**



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N.T.S.
JULY, 2009
THURBER PROJECT #15-16-224



Photo #1 Looking North at the highway side slope



Photo #2 Looking south at the slide vegetated head scarp



Photo #3 Looking south at the Willow River outside bend from the northeast side of the slide area