



13.2. Appendix-2: Road Damage Inventory Survey

Table 13.2.1 Road Damage Inventory Sheet: Kohala – Muzaffarabad City

Road Damage Inventory Sheet for Internal Muzaffarabad City		
Inspection Date : 12/March/2006		Sheet No. 1 / 1
Road Name	Kohala - Muzaffarabad Road (S-2)	
Damage Section	Km 0 + 650 ~ Km 0 + 750	Length = 100 m
Description (Road Damage, Current State, etc.)		
<p>1) Part of Carriageway has fallen into the valley.</p> <p>2) Slope on hill side is unstable, comprising of erode able soil. Spring flowing over the slope has made condition worst.</p> <p>3) Slope protection work on valley side is in progress by PWD. Soil behind retaining wall is not properly compacted which may result in settlement of road.</p>		
Road Cross Section Sketch		
Site Photo		
Construction Work in Progress	Unstable Hill Side Slope	
		

Source: JICA Study Team

Table 13.2.2 Road Damage Inventory Sheet: Neelum Valley Road

Road Damage Inventory Sheet for Internal Muzaffarabad City

Inspection Date : 06/March/2006

Sheet No. 4 / 5

Road Name	Neelum Valley Road	
Damage Section	Km 3 + 300 ~ Km 3 + 400	Length = 100 m
Description (Road Damage, Current State, etc.)		
<p>1) Masonry retaining wall of Katchery Road has collapsed and fallen on Neelum Valley Road. 2) Collapsed soil and stone of wall has removed from road, but slope of Katchery Road is still unstable. 3) Guardrail on valley side has collapsed.</p>		
Road Cross Section Sketch		
<p>The sketch shows a cross-section of the road. On the left, there is a railing. A dimension line indicates a 1.5 m distance from the railing to the start of a gap. Another dimension line indicates a 6.3 m distance from the end of this gap to the base of a collapsed stone masonry retaining wall. The retaining wall is shown as a jagged, broken structure. Above the wall, the label 'KATCHERY ROAD' is written. The road surface is shown as a horizontal line below the railing and the gap.</p>		
Site Photo		
Failure of Masonary Retaining Wall	Damage of Guardfance	
<p>A black and white photograph showing a masonry retaining wall that has failed. The wall is made of large, rectangular stones and is partially collapsed, with debris scattered on the ground in front of it. The background shows a hillside and some trees.</p>	<p>A black and white photograph showing a guardfance that has collapsed. The guardfance is made of vertical posts and horizontal rails. It is broken and leaning over. In the background, there are people walking on a road, a car, and some buildings.</p>	

Source: JICA Study Team

Table 13.2.3 Road Damage Inventory Sheet: Allama Iqbal Bridge – Police Line Road

Road Damage Inventory Sheet for Internal Muzaffarabad City

Inspection Date : 7/March/2006

Sheet No. 1 / 1

Road Name	Allama Iqbal Bridge - Police Line Road	
Damage Section	Km 2 + 500 ~ Km 2 + 700	Length = 200 m
Description (Road Damage, Current State, etc.)		
<p>1) Slope composed of Conglomerate layer has collapsed. Failed soil obstructing the road has been removed, but the slope is still unstable.</p> <p>2) Slope protection work on river side is under progress by PWD.</p>		
Road Cross Section Sketch		
<p>The sketch illustrates a cross-section of the road. On the left, a slope labeled 'UNSTABLE' is shown with a vertical dimension of '10 - 25 m Approx.' and a horizontal distance of '10.0 m' from the road edge. Above the slope, 'HOUSES' are indicated. On the right, a 'CONCRETE RETAINING WALL UNDER CONSTRUCTION' is shown, with the 'NEELUM RIVER' flowing below it.</p>		
Site Photo		
Overview of Unstable Slope		Construction of Slope Protection on River Side

Source: JICA Study Team

Table 13.2.4 Road Damage Inventory Sheet: Tariqabad Bypass Road

Road Damage Inventory Sheet for Internal Muzaffarabad City

Inspection Date : 12/March/2006

Sheet No. 14 / 14

Road Name	Tariqabad Bypass Road	
Damage Section	Km 4 + 250 ~ Km 4 + 350	Length = 100 m
Description (Road Damage, Current State, etc.)		
1) Visible deformation in Retaining Wall abutment at few locations, whereas in remaining locations Retaining Wall and Sidewalk has collapsed.		
Road Cross Section Sketch		
Site Photo		
Overview of Damage		

Source: JICA Study Team

Table 13.2.5 Road Damage Inventory Sheet: Naluchi Road

Road Damage Inventory Sheet for Internal Muzaffarabad City

Inspection Date : 7/March/2006

Sheet No. 1 / 1

Road Name	Naluchi Road	
Damage Section	Km 0 + 300 ~ Km 0 + 600	Length = 300 m
Description (Road Damage, Current State, etc.)		
<p>1) Slope was composed of terrace deposits and erodeable rock layer has collapsed and failed. Failed soil has been removed, but slope is still in unstable condition.</p> <p>2) Road construction works still in progress by PWD.</p>		
Site Photo		
Overview of Unstable Slope		

Source: JICA Study Team