



Government of Nepal
Ministry of Local Development
Department of Local Infrastructure Development and Agricultural Roads

TRAIL BRIDGE PROGRAM SECTOR WIDE APPROACH

Annual Project Report for **Fiscal Year 2071/072 (2014/015)**



Women carrying apples to the market Chakri Khola, Rolpa.
Photo: Development Concern Society, Rolpa

Kartik, 2072 (October, 2015)

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1. Executive Summary

The Trail Bridge Sub-Sector Programme (TBSSP) is led by the Government of Nepal and since 2009 has been implemented under the Sector Wide Approach (SWAp). Since the start TB SWAp, the trail bridge programme has continuously witnessed outstanding achievement with regards to the outputs and the application of the Trail Bridge Strategy, 2062 BS, and Trail Bridge Directives, 2066 BS, which govern the sector. This report represents the first year of implementation of TB SWAp Framework-II (2014-2019), which was launched after the successful implementation of TB-SWAp Framework-I.

The goal of TB SWAp Framework-II is to contribute towards poverty reduction through improvement of access for local people (particularly women, Dalits, and people belonging to ethnic communities, disadvantaged and underprivileged groups) to social, basic services, economic resources and opportunities by availing river crossing facilities within 1 hour detour.

In FY 2071/072, routine maintenance was carried out at 4,778 bridges and the major maintenance of 141 bridges was undertaken. Construction of 342 bridges was completed, which represents 85.5% achievement of the set target of 400 bridges. This is remarkable considering that the earthquakes that devastated the country occurred during the peak construction season and hampered progress.

The newly constructed bridges have safe and improved access to 641,291 rural people. Amongst them, 82% of the beneficiaries belong to marginalized groups and 57% to disadvantaged groups. On average, one bridge is benefiting 1,875 persons. The Post Bridge Building Assessment of 2015, revealed that there has been an increase in school attendance by 22%, while the number of people seeking treatment in health facilities has increased by 32%. Similarly, new shops and markets were found to have opened at 39% of the trail bridge sites.

During the trail bridge construction cycle, 845,952 person-days of local employment was generated, injecting NRs 379 million into local communities. 63% and 29% of employment went to disadvantaged groups and women respectively. Women representation in User Committees (UCs) was 45%. 78% of the UCs had proportionate representation of marginalized groups while all UCs had at least one executive position held by a representative of a marginalized group.

Overall representation of women in User Committees was 45%, against the target of 40%. One key position to marginalized group members was offered in 100% of the UCs and 78% of UCs had proportionate representation of marginalized groups.

Demonstration Model Bridge Trainings were organized for 312 persons (including 111 persons) to impart bridge construction know-how at community level. Routine Maintenance Trainings were also provided to 607 Bridge Wardens (including 216 women) responsible for looking after the bridge and carrying out routine maintenance works.

Refresher technical courses were provided to 34 Sub-engineers from DDCs/DTOs and 26 persons from NGOs. Seventy women UC members were also capacitated for community leadership trainings.

DoLIDAR prepared list of fabricators eligible for undertaking fabrication of steel parts for trail bridges in order to facilitate procurement by DDCs. The list also serves as reference list of fabricators to other building agencies. The DoLIDAR also procured wire ropes and bulldog grips.

In fiscal year 2071/072, DDCs received NRs 770.000 million as central grants for trail bridge programme and expenses werereported were NRs 583.750 million. LBS utilized NRs 113.723 million, SBD NRs. 333.247 million and administrative costs totaled NRs 12.922 million. SDC provided Technical Assistance through TBSU/HELVETAS Swiss Intercooperation equivalent to NRs 220.000 million.

In addition, SDC also supported the sector with the procurement of wire ropes and bulldog grips equivalent to NRs 112.511 million. Similarly, contributions by ADB/DRILP-AF of NRs 76.0 million

and DFID/RAP-3 of NRs 61.2 million also contributed towards the completion of bridges completed in fiscal year 2071/072.

The average cost for Short Span Trail Bridges (SSTB) per linear meter was NRs 41,264 and average span per bridge was 65 m. The average cost of a SSTB bridge was NRs. 2.6 million. The average cost per linear meter of LSTB bridges was NRs 71,745 excluding costs of wire ropes and bulldog grips. The average span of the LSTBs was 207 m and the average cost per bridge was NRs 12.9 million.

The Annual Report on Outcomes and Annual Report on Technical Assistance prepared by TBSU are supplementary to this report.

2. Outcome Summary

S.N	Indicator	Phase Target (FY 2014 - 2019)	Achievements			Means of Verification	Status / Comments
			July 2014 – June 2019	FY 2014/15	Total (till date)		
Outcome 1: Local communities, especially the Disadvantaged groups use trail bridges to improve safe access to basic services (health, education, markets, farms and employment opportunities) at local level							
1.1	Rural people have safe and improved access to service centers	3.75 million people including 1.8 million disadvantaged group	641,291 people including 365,536 (57%) disadvantaged group	641,291 people including 365,536 (57%) disadvantaged group	641,291 people including 365,536 (57%) disadvantaged group	Community Application Form & TBSIS	Target achieved as beneficiaries per bridge is 1875 against the target of 1500 as foreseen in the logframe of SWAp II
1.2	Increment in school attendance and visits to health centers	10% increment in school attendance and visits to health centers	22% increment in school attendance and 32% increment in people going to health facilities	22% increment in school attendance and 32% increment in people going to health facilities	22% increment in school attendance and 32% visits to health centers	PBBA 2015	Increase in school attendance and patients at health centers are mainly because of safe crossings which provided access throughout the year and also shorter travelling time.
1.3	Market centers developed	500 market centers (20% of bridges)	Markets developed at 39% of bridge sites	Markets developed at 39% of bridge sites	Increment of shops / markets at 39% of bridge sites	PBBA 2015	Due to change in route and increase in traffic flow, small business are established which contributes in improving local economy.
1.4	Employment created at local level	5.0 million person Days, including 50% disadvantaged group	845,955 p-days local employment including 532,952 p-days (63%) disadvantaged groups	845,955 p-days local employment including 532,952 p-days (63%) disadvantaged groups	845,955 p-days local employment including 532,952 p-days (63%) disadvantaged groups	Project Book & NGO Report	Achieved – number of LSTB bridges were high this year. Employment is 3 times more than SSTB.
1.5	Women representation in UCs	At least 40%	45% Women representation in UC	45% Women representation in UC	45% Women representation in UC	Community Agreement & Project Book	Case studies shall be conducted on women's participation in the UCs. Best practices shall be shared and implemented.

S.N	Indicator	Phase Target (FY 2014 - 2019)	Achievements			Means of Verification	Status / Comments
			July 2014 – June 2019	FY 2014/15	Total (till date)		
1.6	Representation of discriminated groups	Proportionate in all UCs	In 78% of UCs	In 78% of UCs	Proportionate in all UCs	Community Agreement & Project Book	Value of proportionate representation during UC formation should be highlighted by NGOs & RTAPs. Continue coaching RTAPs. Intensify monitoring from TBSU for improvement
1.7	Executive position to discriminated	At least one	100%	100%	At least one in 100% of UCs	100%	Achieved
Outcome 2: Government of Nepal, represented by MoFALD / DoLIDAR enforces Trail Bridge Strategy (TBS/LIDP) in construction and maintenance of trail bridges							
2.1	LBD created with merger of SBD	Functional by July 2016	-	Decision to be made in Steering Committee meeting for initiating steps	Decision to be made in Steering Committee meeting for initiating steps	Decision of DoLIDAR	This is new indicator for Framework II
2.2	All trail bridges incorporated in annual plan of Local Bodies	All trail bridge programme including centrally implemented included in annual plan of Local Bodies	All DDCs	All DDCs	All DDCs	Program reviewed by MoFALD	Achieved
2.3	Public Hearing & Public Audit in all SSTB bridges	All SSTB bridges	PH 100% and PA of 71% community bridge sites	PH 100% and PA of 71% community bridge sites	PH/PA: of all community bridge sites	Project Book & NGO Report	Public Audit shall be organized at remaining bridge sites within 3months of its completion.
2.4	Application of Technical standards and demarcation convention	Application of technical standards and demarcation convention mandatory for all bridge building agencies	Practiced by all stakeholders	Practiced by all stakeholders	Practiced by all stakeholders	Working experience	Achieved. TBSU monitors and provides punctual support to assure quality by visiting bridge sites during critical milestones.

S.N	Indicator	Phase Target (FY 2014 - 2019)	Achievements			Means of Verification	Status / Comments
			July 2014 – June 2019	FY 2014/15	Total (till date)		
2.5	Quality of bridge	100% of bridges constructed meet set quality standards	97% of bridges constructed meet set quality standards	97% of bridges constructed meet set quality standards	97% of bridges constructed meet set quality standards	Final Inspection Report	Achieved . No structural defects at 3% bridges minor rectification works started by DDCs.
2.6	Application of prioritization criteria and formula	All DDCs and bridge building agencies +adhere to prescribed prioritization criteria including 1 hour detour	Practiced by all stakeholders	Practiced by all stakeholders	Practiced by all stakeholders	Working experience	Achieved to a large extent. TBSU supports the government in applying prioritization criteria and formula by visiting bridge sites and desk study.

3. Basic Information

The Trail Bridge Sub-Sector Programme (TBSSP) is led by the Government of Nepal and is guided by the Trail Bridge Strategy, 2062 BS and the Trail Bridge Directives, 2066 BS. Starting from 2014 onwards, the sector entered into the second phase of the Sector Wide Approach (SWAp) Framework –II (2014-2019) and this report presents the findings of the first year of implementation.

The goal of TB SWAp Framework-II is to contribute towards poverty reduction through improvement of access for local people (particularly women, Dalits, and people belonging to ethnic communities, disadvantaged and underprivileged groups) to social, basic services, economic resources and opportunities by availing river crossing facilities within 1 hour detour.

TBSSP is a national programme that covers all 75 districts. The responsibility of overall implementation and monitoring, including policy formulation and enforcement, developing technical standards, norms and specification, coordination among stakeholders and securing funds, at the central level along with the procurement of steel wire ropes and bulldog grips lies with the Ministry of Federal Affairs and Local Development/Department of Local Infrastructure Development and Agricultural Roads (MoFALD/DoLIDAR).

At the local level, the responsibilities of planning, implementation, operation and maintenance of trail bridges remains with the DDC. The DDC follows the procedures as prescribed by the Local Self Governance Act (LSGA) and the Local Self Governance Rules. GoN provides Conditional Grants to DDCs based on the bridge demand of the district included in the annual plan approved by the District Council. DDC implements the Short Span Trail Bridge (SSTB) through community approach and Long Span Trail Bridge (LSTB) through turnkey contract modality.

Swiss Agency for Development Cooperation (SDC) provides technical assistance to the sub sector at the central level through TBSU/HELVETAS Swiss Intercooperation Nepal. A bi-lateral agreement between the Government of Nepal and SDC was signed in November 2014 to this effect. Prior to the implementation of SWAp Framework-II, TBSU/HELVETAS was also responsible for TA at the regional level, but, since the implementation of SWAp Framework-II, Regional Technical Assistance Providers (RTAPs), consisting of NGOs/private consulting firms through joint ventures, have started providing TA. During the first few years, TBSU/HELVETAS shall be orienting/coaching and monitoring the RTAPs and providing timely professional support to ensure the smooth transitioning of roles and tasks through accompanied capacity building. In addition, TBSU/HELVETAS has been providing punctual support to 13 Terai districts and 7 districts including districts of Karnali region, Banke and Bardiya through two Special Focus units.

The Government of Nepal and Development Partners (DPs) funded the cost of materials and construction through their respective programmes. Such as the Asian Development Bank's (ADB) Decentralized Rural Infrastructure and Livelihood Project – Additional Financing (DRLIP-AF) in 8 districts; UK's Department for International Development (DFID) through the Rural Access Programme-3 (RAP-3) in a further 8 districts. In addition, the Remote Area Development Committee (RADC), Poverty Alleviation Fund (PAF) and Kadoorie Agricultural Aid Association (KAAA) has been supporting TBSSP through the construction of trail bridges.

In 2071/072, the budget allocation and disbursements was made on time. However, the earthquakes and subsequent aftershocks that occurred, particularly during the peak construction period, hampered construction, especially in fourteen¹ districts, which have resulted in decreased outputs in comparison to the last fiscal year.

¹ The 14 districts include: Sindhupalchowk, Gorkha, Nuwakot, Rasuwa, Dhading, Kathmandu, Lalitpur, Bhaktapur, Ramechhap, Kavre, Dolakha, Dhading, Okhaldhunga and Makwanpur

4. Outcomes Achieved

The outcome indicators and targets are based on the Log Frame for the TB SWAp Framework-II covering the period 2014- 2019.

4.1. Outcome 1: Local communities, especially Disadvantaged groups construct and maintain trail bridges to improve safe access to basic services (health, education), markets, farms and employment opportunities at local level

In FY 2071/072, 342 trail bridges were completed. This has led to an additional 641,291 people benefiting from safer and improved access to basic services and employment opportunities. Amongst the beneficiaries, 525,859 (82%) belong to marginalized and 365,536 (57%) to disadvantaged groups. This is higher than the target of 50% (for disadvantaged groups) and reflects the success of the prioritization criteria which provides higher weightage to marginalized groups while planning trail bridges.

The average number of beneficiary per bridge was 1,875. This is less than the 1,999 beneficiaries that were recorded in the last fiscal year. The main reason for the decrease is the high density of trail bridges that have been constructed in the past five years. The average daily traffic count is 208 people per bridge and for livestock it is 22 animals.

Approximately, 30% of bridge construction costs are spent at local level for portering, skilled and unskilled labour, thereby generating local employment equivalent to NRs 379 million. Overall, 845,952 person-days of employment were created; amongst which 532,952 (63%) person-days were created for disadvantaged groups. Women employment has been continuously increasing with 245,327 (29%) person-days of employment generated in FY 2071/072, compared to 27% (228,629) person days is the year before. This shows that the programme has been successful in encouraging and capacitating women to become more involved in trail bridge construction as skilled and unskilled workers. On average one bridge created employment equivalent for 2,473 person-days. Equal pay for equal work applied at all sites and no case of child labor was reported, as it is strictly prohibited.

Post Bridge Building Assessment 2015 revealed that improved and safer access provided by the trail bridges have led to a 22% in school attendance, against the target of 10%. Parents and students reported safety and the year round mobility provided by the bridges as being important benefits to access schools. There has also been an increase of 32% in patients going to health facilities to seek treatment after bridge construction. Amongst which, the PBBA 2015 study noted that it was especially convenient for pregnant women, the elderly and children to seek treatments. Many shops have also opened up after the construction of the bridges in order to take advantage of the new routes and the increased mobility of people. New shops had been established at 39% of the bridge sites, against the target of 20%. The average time saved (for a two-way journey) to access schools, health facilities, and markets was 2.29 hours, 3.1 hours and 3.0 hours respectively.

4.2. Outcome 2: Government of Nepal, MoFALD/DoLIDAR further designs and foster implementation of the Trail Bridge Strategy auxiliary to Local Infrastructure Development Policy by the local bodies and communities in construction and maintenance of Trail Bridges

The Government of Nepal has taken lead for TB-SWAp since July 2009. Within the government bodies, TB SWAp has been acknowledged and internalized at the Ministry, DoLIDAR and DDCs/DTOs levels. All DDCs follow the Trail Bridge Strategy, 2006 BS and all trail bridge programmes of the districts are implemented under TB SWAp.

At the center, the Local Bridge Section within DoLIDAR has been entrusted with the responsibility of both trail bridges and local road bridges since 2011. It has two units, namely the Trail Bridge and

Local Road Bridge, which since 2011 have remained unchanged, even though scope of the work has increased. In the absence of the required human resources, TBSU/HELVETAS has continued to provide TA for planning, monitoring and reporting purposes. An external review conducted in 2013, had recommended for the establishment of a Local Bridge Directorate (LBD) through the merger of the LBS and Suspension Bridge Division (SBD), which coordinates and implements bridges that are along international boundaries, multi-span and/or are technically challenging. At the onset of TB SWAP Framework-II, DoLIDAR has agreed in the restructuring process, which also includes drawing upon human resources from the Remote Area Development Committee (RADDC).

At the district levels, Local Bridge Sections are established in all DDCs / DTOs and a focal person has been assigned with the responsibility of the trail bridge program. The focal person of LBS/DTO is given priority for acquiring trail bridge know-how through refresher courses and trail bridge trainings. Overall 69 DDCs have established delegation agreement with district based NGOs for providing technical and social support to communities for construction of SSTB bridges. Most of the NGOs are now performing well, though they do require punctual support and their performances needs to be continuously and rigorously monitored to maintain alertness on quality issues.

Demonstration Model Bridge Trainings (DMBT) are organized to impart bridge construction know-how at community level. The gained know-how is useful for other construction and developing works on-going in the local surroundings. In fiscal year 2071/072, 312 persons including 111 women and 201 men participated in the DMBTs. Routine Maintenance Training (RMTs) were also provided to Bridge Wardens responsible for looking after the bridge and carrying out routine maintenance works. 607 persons including 216 women attended the RMTs.

The trail bridge programme is funded by GoN and by development partners through their programmes such as DRILP-AF and RAP-3. Technical assistance is provided by SDC, through the Trail Bridge Support Unit/ HELVETAS Swiss Intercooperation. Meanwhile, the plans of Poverty Alleviation Fund (PAF) and Kadoorie Agriculture Aid Association- British Gurkha Nepal (KAAA-BGN) are incorporated in the annual program of the DDCs. In addition during FY 2071/072, trail bridges were also financed by DFID supported Kanchenjunga Conservation Area Management Committee (KCAMC).

Over the past years, monitoring and quality inspection of construction materials and works have been well anchored into the system. The quality of wire ropes and bulldog grips are monitored through the entire processes of manufacturing and post-delivery of inspects are also carried out.

Field visits are made during critical milestones. Third party quality inspection is also carried out by the relevant agency on the request of DoLIDAR. Data pertaining to technical and social requirements are recorded in the Trail Bridge Strategy Information System (TBSIS) data system. Quality monitoring and inspection data confirms that 99% of bridges meet required technical standards. Minor rectification works are to be carried out at 1% of bridge sites and these will be completed by the end of December 2015.

The reporting from DDCs still however needs to be improved. In the last fiscal year, continuous effort was required by TBSU/HELVETAS to follow-up regularly. One reason for this is that the human resources within LBS/DOLIDAR is inadequate for monitoring and recording data and information, hence TBSU/HELVETAS has been fulfilling these responsibilities. Once the LBD is created, it is envisioned that LBD will assume these tasks.

Demonstration Model Bridge Training (DMBT) is organized to impart bridge construction know how at community level. In FY 2071/072, 312 persons (including 111 women) participated in the DMBT trainings. The knowledge gained through DMBT is proven very useful for infrastructure development and construction works in the surroundings and a means of livelihood for the trained personnel. This also has helped to increase share of women in the construction works. Women leadership training is proved to be effective in improving quality participation of women in the decision making process of UCs.

Once a bridge is completed, routine maintenance is organized through Bridge Wardens, who are assigned the task for RM. In the last fiscal year, Routine Maintenance Trainings (RMT) were

provided to 607 persons (including 216 women). These trainings impart knowledge on RM and have shown encouraging signs that they can reactivate non-functional BWs.

4.3 Transversal Themes

Inclusive User Committees (UCs) to ensure and avail marginalized voices to actively participate and raise their concerns in bridge building processes is a priority within TB-SWAp. Figures indicate that there has been a rise in women's representation in UCs. Overall representation of women stood at 45%, against the target of 40%. Seventy women members of UCs were provided with Community Leadership Training, which have provided tools and techniques on how to be active in meetings and have greater say in the decision making processes. Furthermore, the importance of women representation during UC formation has been repeatedly emphasized by TBSU/HELVETAS and monitored the activities delivered through RTAPs and NGOs.

Similarly, marginalized groups had at least one key position in 100% of UCs. The main reasons for having an inclusive UCs are to avail opportunities to marginalized groups for actively participating and raising their concerns in bridge building processes. In FY 2014/015 78% of the UCs were proportionately representative, compared to the target of 100%. This indicates that further improvements are needed. To enhance proportionate representation, monitoring through TBSIS and follow up has to be continuously intensified. More importantly, Community members also need to be convinced about the logic and justifications for formation of inclusive UCs.

In order to maintain transparency throughout the project cycle, Public Hearing, Review and Audit are organized at the bridge sites. Public Hearings were organized at all bridge sites. Public Review and Audit were conducted at 76% and 71% of the bridges respectively. Public audit at the remaining 29% bridges will be completed within one month after UCs informs the DDCs in writing about the final settlement of expenditures. For details, refer to Annual Reports on Outcomes FY 2071/072(2014/015).

Safety and security orientations were provided during DMBT and critical milestones in order to avoid accidents. Use of safety items by the workforce is a concern and the UCs must ensure that they should use it mandatorily. Notice boards are installed where cable pulling has been done informing people about its danger. Additionally, all workers are insured during bridge construction. In FY 2071/072, two accidents occurred in Ilam and Kalikot, for which processes have been underway for the claims to be settled.

5. Outputs Achieved

The outputs of FY 2071/072 (2014/015) are summarized below:

Outputs	Phase Target (2071/072 - 2075/076)	Targets For FY 2071/072	Achievements for FY 2071/072
Routine Maintenance	32,500 bridges	5,419	4,778
Major Maintenance	800 bridges	187	141
New Construction (completion)	2,500 bridges	400	342
TB course (35 days) for Engineers	25 persons	-	-
TB course (35 days) for Sub-Engineers	25 persons	-	12 persons
TB course (35 days) Asst. Sub-Engineers	30 persons	30 persons	-
Refresher Technical Course for Engineers	60 persons	20 persons	-
Refresher Technical Course for Sub Engineers	100 persons	30 persons	34 persons
Refresher technical course for NGOs	120 persons		26 persons
Survey/Design Training for private consultants	60 persons	30 persons	-

Modular Course for Assistant Sub Engineer	-	25 persons	-
Quality Assurance Training for Fabricators and Contractors	30 persons	15 persons	-
Demonstrative Model Bridge Trainings for Bridge Crafts persons	5,000 persons	360 persons	312 persons
Routine Maintenance Training for Bridge Wardens	4,000 persons	500 persons	607 persons
Load testing of 2% sample new bridges	50 bridges	10 bridges	3 bridges
Third party investigation of trail bridges	10 bridges	-	-
Updating of NTBR/DBR	75 districts	11 districts	47 districts
Lab test of construction materials	1,900 bridges	300 bridges	350 bridges
Baselines, Post Bridge Building Assessment, Case studies	5	1	2

5.1 Maintenance and Construction of Trail Bridges

Routine Maintenance (RM):

The top priority within TB SWAp is the routine maintenance of bridges. In FY 2071/072, Routine maintenance budget amounting to NRs. 32.541 million was allocated for 5,419 bridges. As reported by DDCs/DTOs, RM was carried at 4,778 bridge sites.

In order to re-strengthen RM, new BWs were appointed there were none or if old BWs were not fulfilling their duties. This is expected to continue in the next fiscal year. Furthermore, Routine Maintenance Trainings (607 persons) were provided to reactivate RM.

Development Region-wise: Routine Maintenance

Development Region	No. of bridge completed
Eastern Development Region	1,300
Central Development Region	646
Western Development Region	1,630
Mid-western Development Region	651
Far-western Development Region	551
Total	4,778

For further details with regards to Routine Maintenance refer Annex II.

Major Maintenance (MM):

Rehabilitation / major maintenance of 140 bridges, identified as critical bridges through Bridge Condition Investigation-I, was initiated in FY 2013/014 with material grant of SDC. By the end of the FY 2014/015, rehabilitation and major maintenance of 128 bridges out of 140 bridges were completed, while 2 bridges were cancelled due to the need to construct new bridges. Rehabilitation/major maintenance of the remaining 10 bridges shall be completed in FY 2015/106. In total, the major maintenance of 141 bridges was completed in FY 2014/015.

Additionally in FY 2013/014, 23 bridges were damaged by floods in Dang and Surkhet. MM/Rehab/Re-construction of 13 bridges out of these 23 flood damaged bridges was funded by SDC. Amongst which reconstruction/rehabilitation of 6 were completed in FY 2014/015. The remaining bridges are expected to be completed in the next fiscal year.

Development Region-wise: Major Maintenance

Development Region	No. of Major Maintenance completed
Eastern Development Region	9
Central Development Region	34
Western Development Region	36
Mid-western Development Region	40
Far-western Development Region	22
Total	141

The devastating earthquake and aftershocks which shook the country in April-May also caused damages to 68 bridges in 14 districts. Immediate measures were implemented to first assess damages and control traffic movement at risky sites. These included preliminary site visits to 61 bridges (7 sites could not be visited due to road blockages due to the monsoon), dismantling/stopping traffic at 10 sites; and controlling traffic movement at 21 sites. In the next FY 2015/016, efforts will be focused on: (i) undertaking BCIs of all TBs in all earthquake affected districts and (ii) undertaking Major Maintenance and Rehabilitation of damaged TBs as per the need. GoN has provisioned a budget of NRs 100 million for reconstruction along with CHF 1.0 million (indicative) by SDC for the procurement of steel parts and cables for the earthquake damaged trail bridges.

In the eastern region (Taplejung and Sankhuwasabha, Khotang), 27 bridges were also damaged by floods and landslides in FY 2014/015. These bridges shall be taken up for reconstruction and rehabilitation in the FY 2015/016. Additional bridges in Kaski were also damaged due to recent flash floods.

Based on the spatial database system, all trail bridge records till FY 2071/072 have been geo-coded in the online GIS database. This GIS database will generate Nepal Trail Bridge Records (NTBR) and District Bridge Records (DBR) and will be the basis for maintenance and construction planning.

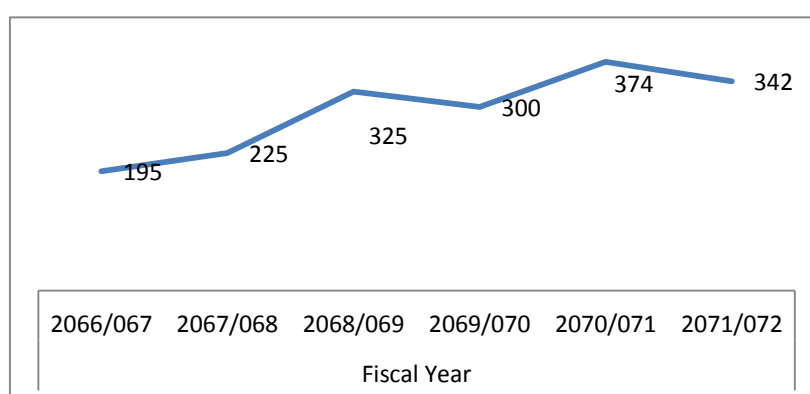
By the end of the FY 2071/072, the Bridge Condition Investigations (BCIs) and updating was completed for 60% of the trail bridges, with those of the remaining planned to be completed in the next fiscal year.

For further details with regards to Major Maintenance refer Annex II,

New Construction:

In FY 2071/072, 342 trail bridges were completed, against the target of 400 bridges. These figures are less than the output of 374, which was achieved during the last fiscal year. The main reasons for the decline can be attributed to the devastating earthquake (and subsequent floods and landslides) which severely hampered trail bridge construction during the peak bridge construction period and also severely affected the completion of trail bridges in fourteen districts. The restructuring of TA support (after the implementation of TB SWAp Framework-II), which has led to regional TA being provided by RTAPs in lieu of the direct support that was being provided by TBSU/HELVETAS has also affected trail bridge construction.

Year wise TB SWAp Completion of Trail Bridges



The achievement of 85.5% of the set targets are however still remarkable and this achievement has been made possible due to the efforts of all stakeholders, including local communities, DDCs/DTOs, funding agencies, LBS and DoLIDAR. Technical assistance provided by TBSU/HELVETAS was also

significant in contributing towards the success of the programme and are highly appreciable. The agency wise number of trail bridges completed are as follows:

Support Agency-wise number of bridges completed in FY 2071/072

S.N	Support Agency	No of Bridges
1	GoN- District Programme	188
2	GoN- Suspension Bridge Division	30
3	ADB/ Decentralized Rural Infrastructure and Livelihoods Programme	37
4	DFID/ Rural Access Programme-3	43
5	Poverty Alleviation Fund	1
6	Kadoorie Agriculture Aid Association- British Gurkha Nepal	20
7	Remote Area Development Committee	16
8	DFID/Kanchenjunga Conservation Area Management Committee	7
Total		342

Development region-wise number of bridges completed in FY 2071/072

Development Region	No. of bridge completed
Eastern Development Region	93
Central Development Region	54
Western Development Region	67
Mid-western Development Region	79
Far-western Development Region	49
Total	342

Please refer to Annex-II for further details.

5.2 Enhanced Capacity at Local and Central Levels

Capacity enhancement is one of the major activities of the trail bridge programme. Capacity enhancement is done through training courses, refresher courses, visits, workshops and seminars. In order to enhance the capacity of the local and central level, following capacity building activities were carried out during the fiscal year 2071/072:

- 34 Sub engineers from DDCs /DTOs were given Refresher Technical courses.
- 26 persons from NGOs were provided Refresher Technical course.
- 312 persons (111 women and 201 men) were capacitated through demonstration model bridge training
- 607 persons (216 women and 391 men) were trained as bridge wardens on Routine Maintenance training
- 70 females were capacitated with community leadership training
- 2 TBSU staffs were capacitated with presentation skills

- 2 students from technical schools are on On-Job-Training

5.3 Research and Development (R&D)

Research and development continues to be important for trail bridge sub-sector. In FY 2071/072, the following activities were conducted for the improvements in existing design of trail bridges:

- Trail Bridge design suitable for Terai region through piloting of Pile Foundation has been underway in three districts (Sarlahi, Siraha and Dang)
- Cost effective and durable technology for river bank protection is underway
- Few long span trail bridge constructions under community approach with SSTB technology have been carried out. However, the experiment made is not sufficient to deduce conclusions.

5.4 Procurement

In the FY 2071/072, DoLIDAR also procured 84,100 meters of cable with Government funds. In addition, TBSU/HELVETAS also procured 232,400 meters of cable and 25,000 number of Bulldog grips through SDC funds. Throughout the fiscal year, TBSU/HELVETAS deployed third party inspectors to monitor the quality at the factory of suppliers, the quality of the wire ropes and bulldog grips procured and post-delivery inspections as well.

6. Project Management and Financial Resources

6.1 Project Management

TBSCC Meeting

TB SWAp Phase - II Framework Document was ratified during the Trail Bridge Steering Committee meeting on 20 February 2015.

Quality Monitoring

In FY 2071/072, altogether there were 747 bridges under construction at different stages. The quality monitoring of such high number of bridges is challenging and over the past decade a well-established monitoring system- Programme Monitoring Information System (PMIS) has been in place to ensure that each bridge is examined. For monitoring purposes, the project cycle is divided into ten milestones that are further grouped as ordinary and critical. DDCs/DTOs are to monitor throughout all ten milestones, whereas TBSU/HELVETAS and RTAPs is to monitor during critical milestones by making field visits.

Furthermore in FY 2071/072, PMIS was launched online. This has enabled users to update in real-time and access the monitoring system more easily. Furthermore, PMIS and TBSIS, have both been installed in the RTAP offices and RTAP staff have been fully oriented on how to update and use the systems. Furthermore, in the last fiscal year, a new Cable and Bulldog Grips management monitoring system was launched and is currently being tested in the TBSU/HELVETAS managed Nepalgunj store. The objective is to install the system to all government administered stores, so as to have a uniform inventory system that can be applied for nationwide monitoring of stocks, oversee transactions and have a reporting system that is compatible with government standards and formats.

6.2 Financial Resources

The GoN budget and expenses for FY 2071/072 are delineated in the table below:

Programme	Budget (in NRs)	Expenses (in NRs)
District Programme	770.000 million	583.750 million
Local Bridge Section	120.000 million	113.723 million
SBD- Central Programme	361.000 million	333.247 million
Technical Assistance (SDC)	220.000 million	220.000 million
Administration	15.573 million	12.922 million
Total	1,486.573 million	1,263.642 million

In addition, materials (steel wire ropes, bulldog grips) were also procured by TBSU/HELVETAS equivalent to NRs 112.511 million. ADB/DRLIP and DFID/RAP-3 also contributed towards NRs 76 million and NRs 61.2 million respectively.

Bridge Costs Analysis

i) SSTB Bridge

The Cost and contribution analysis is based on the costs of 268 SSTB bridges constructed under community approach in the year 2071/072. The average cost per linear meter was NRs 41,264 compared to the previous year's cost of NRs 39,133. This represents an increase of 5.5%. The average span was 65 meters, which is the same as that of last year.

The average cost per bridge was NRs. 2.664 million (approx. US \$ 25,132) compared to NRs. 2.556 million of the last fiscal year. Meanwhile, the per capita cost of a bridge constructed with the community approach was NRs. 1,544 (approx. US \$ 14.5).

SSTB Bridge's Cost per meter and per bridge for FY 2071/072 (in NRs)

Agency	No. of bridges	Cumulative span in m	Total Cost	Average cost per linear m	Average span per bridge	Average cost per bridge
DRILP-AF program me	37	2,541	91,215,941	35,900	69	2,465,296
RAP-3program me	43	2,899	130,264,326	44,928	67	67
GoN - District programme	188	11,865	492,573,152	41,516	63	63
Total	268	17,305	714,053,419	41,264	65	2,664,378

Long Span Trail Bridge

A total of 31 Long Span Trail Bridges with a cumulative span of 6,442 m were constructed in FY 2071/072. Amongst these, SBD constructed 30 bridges with a cumulative span of 6,217 m and one LSTB was constructed through GoN-District programme, which had a span of 225 meters. The average span of a bridge was 208 meters.

The total cost of 31 bridges amounted to NRs 446.04 million. The average cost per linear m was Rs. 71,745 and the average cost per bridge was NRs. 12.928 million excluding costs of wire ropes and bulldog grips.

Cost of Access Trail and Gravity Ropeway

In fiscal year 2014/015, 5.2 km of access trails were constructed at 25 bridge sites in 12 districts. The average cost of access trail per linear meter was NRs 654 and it is included in the bridge construction cost. Average length of access trail per bridge is 210 m.

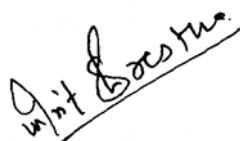
SBD also constructed two Gravity ropeways in Makwantpur (Namtar Gravity Ropeway, span 1050 m) and Gulmi (Harmichaur Gravity Ropeway, span 1452 m). The linear cost per meter was NRs 1,958.

7. Lesson Learnt and Issues

Some of the important lessons learnt during the reporting period are noted below:

- The damages caused by the earthquake(s) to 68 trail bridges reflect the high density of bridges that have been constructed in rural areas, compared to other infrastructures. On one hand, it is commendable that despite over 6,077 trail bridges in the country, such a low number of bridges were damaged. However, the damages that were caused have made the entire TBSSP take note and focus on ways to further improve the established norms, while at the same time maintaining the low costs of implementation, which have allowed such high numbers of bridges to be constructed.
- To ensure the smooth transiting of roles and responsibilities, TBSU/HELVETAS staff are situated within RTAP office premises for accompanied capacity building. The experiences of the past fiscal year indicate encouraging signs, whereby RTAPs have been sensitized and are gradually taking the lead in trail bridge implementation, though coaching and backstopping from TBSU/HELVETAS is still required and has been foreseen to be need for the next fiscal year. Yet, a balanced approach is needed not to create dependency in the name of capacity building. We should be taking up this matter further in the future too.
- Routine maintenance of bridges has slowly gained momentum, especially with the reappointment of BWs and routine maintenance trainings. Still more needs to be done, especially with respect to the sensitization of DDCs and local communities.
- Piloting of new technology, such as Pile foundations in the Terai and Vietiber plantations, have also made TBSU/HELVETAS realize the importance of local community acceptance of new technology that is being piloted. One way of gaining acceptance would be to show the utility of the new technology by demonstrating its effectiveness to local communities and through exposure visits at sites which are successful.

On behalf of LBS/DoLIDAR



Amrit Shrestha

**Section Chief
Local Bridge Section /DoLIDAR**

Date: 1 October 2015

Annex - I

Trail Bridge SWAp Log Frame

**Trail Bridge Sector Wide Approach
Logical Framework 2009-2014**

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Assumptions
Goal: Contribute to poverty alleviation through improved access of the local people (particularly women, Dalits and people belonging to ethnic communities and disadvantaged and under privileged groups) to social and basic services and economic resources and opportunities	River crossing facility is available to local people within 1 hour detour.	<ul style="list-style-type: none"> Trail Bridge Strategy Information System (TBSIS) Report Impact Monitoring Report 	
Outcome 1: Local communities, especially the Disadvantaged groups use trail bridges to improve safe access to basic services (health, education, markets, farms and employment opportunities) at local level	1.1. 3.75 million people (including 1.8 million Disadvantaged Groups) have a safe river crossing facility 1.2. School attendance and visit to health centres increased by 10% respectively as compared to baseline data of July 2014. 1.3. New marketing centres developed / including growth of existing market centres at 20% of bridge sites 1.4. A total of 5.0 million person days of employment opportunities created at local level out of which 50% goes to DAGs 1.5. At least 40% women are represented in Users' Committees with proportionate representation of marginalized groups including at least one member in executive position	<ul style="list-style-type: none"> Community Application Form Post Bridge Building Assessment Trail Bridge Strategy Information System (TBSIS) Report Case Study Reports Outcome Monitoring Report 	<ul style="list-style-type: none"> Trail bridge program and resources are devolved from the centre to the local bodies Required funds are available from the development partners and the GoN Private sector and service providers are available and willing to participate in trail bridge building Technical assistance is available for the period 2014-2019 Mutual understanding reached among central agencies and DDCs that constructing road bridge might not be feasible for next 5 years in the place where trail bridges will be constructed in this phase

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Assumptions
<p>Outcome 2: Government of Nepal, represented by MoFALD / DoLIDAR enforces Trail Bridge Strategy (TBS/LIDP) in construction and maintenance of trail bridges.</p>	<p>2.1. LBD created with merger of SBD within restructured DoLIDAR and functional by December 2015</p> <p>2.2. All trail bridge s are incorporated in local bodies annual plan including centrally implemented Trail Bridges</p> <p>2.3. Public hearing is conducted at all bridge sites and public audit is conducted in all SSTB bridges</p> <p>2.4. Trail bridge norms, standards, technologies and demarcation convention are adhered to by all DDCs and all other bridge building agencies</p> <p>2.5. 100% of the supervised/inspected bridges in the country adhere to the norms, standards and quality requirements.</p> <p>2.6. All DDCs and bridge building agencies adhere to the prescribed prioritization formula and criteria</p>	<ul style="list-style-type: none"> • Project Book • Monitoring and Inspection Reports • TBSIS Report • Annual Project Report • PMIS Report • PBBA Report 	

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
Outcome 1: Local communities, especially the Disadvantaged groups use trail bridges to improve safe access to basic services (health, education market, farms and employment opportunities) at local level.			
Output 1: Local communities construct and maintain trail bridges with the support DDCs.	1.1. Construction of 2,500 bridges by the end of the phase 1.2. Routine maintenance (RM) of 6,500 bridges annually (cumulative 32,500 bridges in 5 years) 1.3. Major Maintenance of 800 bridges (including rehabilitation) 1.4. Bridges beyond 250 metres only constructed by LBD from August 2014 1.5. LBD starts LSTB bridge construction through DDC/DTO by December 2014.	<ul style="list-style-type: none"> • Work Completion certificates • DDCs' Annual Report • PMIS 	<ul style="list-style-type: none"> • Prepare DDCs periodic plan and DDC/DTO annual plan • Insert/ locate constructed and planned bridges in DTMP • Conduct baseline survey • Collect and compile bridge further demands from across the districts • Prioritize new demands • Prepare Procurement Plan of DDC/DTO • Construct bridges in order of priority • Procure wire ropes and bulldog grips from the centre • Procure construction materials (except wire ropes, bulldog grips, and locally available materials) by DDC/DTO • Sign MOU with the Community to construct SSTB bridge • Hire NGOs to provide technical and social support to communities for SSTB bridge construction • 1.8 Construct LSTB bridges by DDCs through private sector on turnkey (lump sum) modality • Revive/ appoint BWs/BMCs for RM (DDCs through VDCs) • Monitor quality of constructed bridges through DTO • Monitor performance of RM through DDCs/VDCs • Update DBR at districts through DDC/DTO • Update NTBD at the centre • Prepare/update Trail Bridge Directory (trail bridge inventory) by DDC and National Trail Bridge Directory at the centre

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
Output 2: Local bodies and local communities (including CBOs / NGOs and private sector) strengthen their capacity to implement trail bridge programme at local level	2.1 300 trained technical personnel available in 75 districts 2.2 All 75 DDCs have a delegation agreement with NGOs. 2.3 Consulting firms /NGOs are providing technical services at district level 2.4 25 fabricators are available to manufacturing steel parts as per standards 2.4 30 consultants are available to provide engineering services including monitoring and inspection 2.5 At least Trained engineer (1) and assist / sub-engineer (1) are assigned for trail bridge program in all districts 2.6 All 75 DDCs adhere to TBS/LIDP and its core Manuals as well as the guidelines specified therein 2.7 Web-based PMIS including for Maintenance functional by the end of 2016	<ul style="list-style-type: none"> • TBSIS Report • DDCs/DTOs Human Resource Monitoring Report • Bridge Site Visit / Monitoring Reports • Inspection Reports • Delegation Agreement between DDC and NGO 	<u>DDC/DTO level</u> <ul style="list-style-type: none"> • Make Local Bridge Section / Unit functional at DTO with technical personnel • Hire NGOs for providing technical and social support to communities • Outsource the required regional support to consulting firms / NGOs • Organize training courses for DDCs / DTOs personnel, UC, consultants including monitors and inspectors, NGOs personnel, fabricators and contractors • Monitor the services and reports of NGOs • Check and approve each bridge survey and design • Monitor construction works of each bridge and conduct quality test of construction materials • Inspect and issue Work Completion Certificate • Monitor timely payment and equal pay for equal work to workers from UCs • Provide construction materials and funds to UCs in time • Submit progress reports to DoLIDAR • Inspect bridges regularly and update District Bridge Record with bridge conditions

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
Outcome 2: GoN represented by MoFALD / DoLIDAR enforces TBS/LIDP in construction and maintenance of trail bridges.			
Output 3: DoLIDAR enhanced its capacity to enforce TBS/LIDP.	<p>3.1 A Local Bridge Directorate exists by the end of 2014/015 with the merger of LBS and SBD</p> <p>3.2 The human resources at the Remote Areas Development Committee (RADC) are available at the disposal of the LBD</p> <p>3.3 A standard list of qualified fabricators, consultants, material manufacturers (cement) and contractors is available</p> <p>3.4 A national bridge inventory available</p> <p>3.5 Periodically updated reference rates for materials, per metre bridge costs are available in the web</p> <p>3.6 Technical audit and third party audit of at least 10 bridges are available every year</p> <p>3.7 Reports of random monitoring and inspection of at least 10 bridges by LBD is available every year</p>	<ul style="list-style-type: none"> • PMIS and TBSIS reports • Bridge site visit and inspection reports • Annual report • Prioritized bridge list 	<p><u>LBD/DOLIDAR level</u></p> <ul style="list-style-type: none"> • Establish LBD • Assess institutional capacity of DoLIDAR and LBD • Prepare and publish standard list of fabricators, consultants, material manufacturers (cement) and contractors • Carry out random monitoring and inspection at construction sites • Prepare web based GIS data map with bridge condition and flagging system • Carry out Impact Study of trail bridges • Review / update trail bridge policies and directives / manuals • Regularly maintain and update PMIS and TBSIS • Conduct technical audit and financial audit to ensure that observations are complied with • Carry out independent monitoring and inspection tasks through private sector • Monitor EIs training courses and its performances • Publish reference rates for materials • Publish per metre bridge rate • Prepare progress reports

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Activities
Output 4: Stakeholders at national level strengthen their capacity to select and use right technologies for trail bridge construction.	<p>4.1 Suitable type of trail bridges for Terai districts designed and tested</p> <p>4.2 Test reports on suitability of trail bridges for the use of two and three wheelers are available</p> <p>4.3 At least 1% of the bridges constructed by the end of the phase have beautification component</p> <p>4.4 Special provision for transportation to Karnali districts and very remote parts of other districts functional by Sept. 2015</p> <p>4.5 TB festival organized every year (exhibition, bridge warden day etc.)</p> <p>4.6 Demarcation of LSTB and SSTB on the span of 120 metres revisited to increase the application of the more cost effective SSTB bridges)</p> <p>4.7 Implementation modality with community approach for LSTB is available</p>	<ul style="list-style-type: none"> • Research Reports • Impact Study Reports • Manuals and Guidelines • Annual Progress Report 	<ul style="list-style-type: none"> • Carry out action-research on suitable type of trail bridges for Terai districts • Pilot more cost effective SSTB bridges beyond 120m • Introduce technological enhancement of gravity ropeway • Initiate alternative of river crossing • Review demarcation policy on application of SSTB and • LSTB based on action research and findings of piloting • Expand community approach for LSTB bridges • Review implementation modality of LSTB based on findings of action research and findings of piloting • Carry out different impact studies and assessments • Update manuals and guidelines based on lessons learned • Incorporate beautification of selected trail bridges • Pilot power-trailer suspension bridges • Implement technically challenging and multi-span trail bridges including those lying on international boundary

Inputs

- Budget of US \$ 96 million from the centre including development partners and GoN
- 8% contributions for bridge construction and maintenance from DDCs/ VDCs
- 2% contributions for bridge construction and maintenance from UCs
- TA is made available in the areas of technical, social and financial management
- TA team includes: 35 professional at centre and Regional TA is implemented by local private consulting firms / NGOs.

Annex - II

Trail Bridge SWAp Annual Achievement 2071/072 (2014/015)

Trail Bridge Sector-Wide Approach
Annual Progress Report FY 2071/072 (2014/015)
GoN-Funded District-wise Program

S.N.		District	Routine Maintenance	Major Maintenance	New Construction
			Nos.	Nos.	Nos.
Eastern Region	1	Taplejung	143	2	8
	2	Panchthar	110	1	4
	3	Ilam	124	0	13
	4	Dhankuta	46	0	2
	5	Terhathum	88	0	2
	6	S Sava	103	0	0
	7	Bhojpur	108	3	6
	8	Udaypur	54	0	4
	9	Khotang	208	0	2
	10	Okhaldhunga	207	1	4
	11	Solukhumbu	57	0	7
	12	Jhapa	0	0	4
	13	Morang	43	2	3
	14	Sunsari	10	0	4
	15	Saptari	0	0	4
	16	Siraha	0	0	0
		Total	1,300	9	67

Central Region	17	Dolakha	141	1	0
	18	Ramechhap	102	4	3
	19	Sindhuli	93	4	6
	20	Dhanusha	0	0	3
	21	Mahottari	0	0	1
	22	Sarlahi	0	0	1
	23	Rasuwa	70	2	0
	24	Dhading	20	2	5
	25	Nuwakot	55	6	10
	26	Kathmandu	0	0	2
	27	Bhaktapur	0	0	2
	28	Lalitpur	42	0	2
	29	Kavrepalanchowk	32	2	2
	30	Sindhupalchowk	22	4	4
	31	Makwanpur	26	2	3
	32	Rautahat	6	1	2
	33	Bara	0	0	1
	34	Parsa	0	0	0
	35	Chitwan	37	6	3
		Total	646	34	50

Trail Bridge Sector-Wide Approach
Annual Progress Report FY 2071/072 (2014/015)
GoN -Funded District-wise Programme

S.N.		District	Routine Maintenance	Major Maintenance	New Construction
			Nos.	Nos.	Nos.
Western Region	36	Gorkha	134	3	0
	37	Manang	52	4	0
	38	Lamjung	132	4	7
	39	Kaski	125	4	5
	40	Tanahun	81	2	0
	41	Syangja	83	0	3
	42	Gulmi	169	2	5
	43	Palpa	128	2	6
	44	Arghakhanchi	57	4	1
	45	Nawalparasi	34	2	2
	46	Rupandehi	10	0	2
	47	Kapilbastu	0	0	2
	48	Mustang	35	0	5
	49	Myagdi	124	8	8
	50	Baglung	339	0	7
	51	Parbat	127	1	0
	Total		1,630	36	53

Mid-Western Region	52	Rukum	87	2	4
	53	Rolpa	0	6	8
	54	Pyuthan	105	1	2
	55	Salyan	32	5	5
	56	Dang	43	3	5
	57	Dolpa	42	1	2
	58	Mugu	38	0	5
	59	Jumla	30	3	6
	60	Kalikot	41	3	4
	61	Humla	48	2	4
	62	Jajarkot	74	3	5
	63	Dailekh	39	6	7
	64	Surkhet	59	5	2
	65	Banke	7	0	0
	66	Bardiya	6	0	2
	Total		651	40	61

Far Western Region	67	Achham	14	4	2
	68	Bajhang	105	1	7
	69	Kailali	31	0	1
	70	Bajura	73	4	8
	71	Doti	94	4	10
	72	Darchula	92	0	4
	73	Baitadi	97	4	3
	74	Dadeldhura	31	2	2
	75	Kanchanpur	14	3	0
	Total		551	22	37

Grand Total	4,778	141	268
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Trail Bridge Sector-Wide Approach

Supporting Agency-wise number of completed trail bridges for FY 2071/072

Region	SN	District	TB SWAp				RADC	KAAA	PAF	DFID/KCAMC	Total
			GoN	SBD	DRILP- AF	RAP-3					
Eastern Region	1	Taplejung	1	1	7		2			7	18
	2	Panchthar	4								4
	3	Ilam	13								13
	4	Dhankuta	0	1							1
	5	Terhathum	2								2
	6	S Sava	2				2	2			7
	7	Bhojpur	6					1			7
	8	Udaypur	7								7
	9	Khotang	4	2							6
	10	Okhaldhunga	0	3	2			1			6
	11	Solukhumbu	4	1			1				6
	12	Jhapa	4								4
	13	Morang	3								3
	14	Sunsari	4								4
	15	Saptari	4	1							5
Total			58	9	9	0	5	4	0	7	93

Region	SN	District	TB SWAp				RADC	KAAA	PAF	DFID/KCAMC	Total
			GoN	SBD	DRILP- AF	RAP-3					
Central Region	17	Dolakha	0								
	18	Ramechhap	0		3						
	19	Sindhuli	6								
	20	Dhanusha	3								
	21	Mahottari	1	1							
	22	Sarlahi	1								
	23	Rasuwa	0								
	24	Dhading	5				2				
	25	Nuwakot	10								
	26	Kathmandu	2								
	27	Bhaktapur	2								
	28	Lalitpur	2								
	29	Kavrepalanchowk	2								
	30	Sindhupalchowk	4				1		1		
	31	Makwanpur	3								
	32	Rautahat	2								
	33	Bara	1								
	34	Parsa	0								
	35	Chitwan	3								
Total			47	1	3	0	3	0	1		

Region	SN	District	TB SWAp				RADC	KAAA	PAF	DFID/KCAMC	Total
			GoN	SBD	DRILP- AF	RAP- 3					
Western Region	36	Gorkha	0	1				3			
	37	Manang	0								
	38	Lamjung	0	1	7						
	39	Kaski	5	1							
	40	Tanahun	0	1							
	41	Syangja	3	1				1			
	42	Gulmi	5	1							
	43	Palpa	6	2							
	44	Arghakhanchi	1								
	45	Nawalparasi	2								
	46	Rupandehi	2								
	47	Kapilbastu	2								
	48	Mustang	5								
	49	Myagdi	0		8						
	50	Baglung	0	1	7						
	51	Parbat	0	1							
	Total		31	10	22	0	0	4			

Region	SN	District	TB SWAp				RADC	KAAA	PAF	DFID/KCAMC	Total
			GoN	SBD	DRILP- AF	RAP- 3					
Mid Western Region	52	Rukum	4	1							
	53	Rolpa	8				1	4			
	54	Pyuthan	2	1							
	55	Salyan	5								
	56	Dang	5								
	57	Dolpa	2				1	4			
	58	Mugu	0			5					
	59	Jumla	1			3					
	60	Kalikot	1			1					
	61	Humla	0			2					
	62	Jajarkot	5				3				
	63	Dailekh	0			9		4			
	64	Surkhet	2	1							
	65	Banke	0								
	66	Bardiya	2	2							
	Total		37	5	0	20	5	12			

Region	SN	District	TB SWAp				RADC	KAAA	PAF	DFID/KCAMC	Total
			GoN	SBD	DRILP- AF	RAP- 3					
Far Western Region	67	Achham	1	3		10	1				
	68	Bajhang	7	1			1				
	69	Kailali	1								
	70	Bajura	0			7					
	71	Doti	0			6					
	72	Darchula	4				1				
	73	Baitadi	0		3						
	74	Dadeldhura	2	1							
	75	Kanchanpur	0								
	Total		15	5	3	23	3	0	1		

Grand Total	188	30	37	43	16	20	1	7	342
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**Trail Bridge Sector Wide Approach
Summary of completed Trail Bridges
FY 2071/072**

SN	Agency	Trail Bridges Completed
1	Government of Nepal	188
2	ABD/Decentralization Rural Infrastructure and Livelihood Project	37
3	DFID/Rural Access Programme-3	43
4	Suspension Bridge Division	30
5	Remote Area Development Committee	16
6	Poverty Alleviation Fund	1
7	Kadoorie Agriculture Aid Association - British Gurkha Nepal	20
8	DFID/ Kanchenjunga Conservation Area Management Committee	7
Total		342

Trail Bridge Sector Wide Approach

GoN Completed Trail Bridge List FY 2071/072

SN	Name of Trail Bridge	Type	Span (m)	River	VDC/Municipality	
					Left	Right
1	Lamtola	SD	78.00	Jijadigad	Baijanath	Baijanath
2	Badirawa	SD	60.00	Ardaligad	Baijanath	Baijanath
3	Lamatal(LSTB)	SD	225.00	Rapti River	Jaluke	Balkot
5	Agul ghat	SD	38.00	Marsyangdi khola	Amarbhumi	Amarbhumi
6	MarsyangdiTruss	ST	32.00	Marsyangdi khola	Amarbhumi	Amarbhumi
7	Phedi ghat	SD	59.50	Thulo khola	Kusmiseira	Damek
8	Rumta ghat	SD	71.80	Thulo khola	Kusmiseira	Kusmiseira
9	Thulo khola	SD	89.70	Thulo khola	Pandavkhani	Pandavkhani
10	Besi ghat	SD	52.00	Besi khola	Bungadobhan	Bungadobhan
11	PanaliTruss	ST	20.00	Panali Gad	Siddhapur	Siddhapur
12	Boraghatta	SD	65.4	Dhik gat	Deulek	Sittad
13	Kuwakot Truss	ST	32.00	Allade (Kuwakoti Gad)	Kuwakot	Kuwakot
14	Lisni Gad	ST	24.00	Lisnigad	Melbisauni	Kanda
15	Neuna Tapoban	SD	94.00	Seti	Kanda	Kanda
16	Kuikachali	SD	96.00	Kalanga	Dahabagar	Dahabagar
17	Dogade	SD	99.00	Nimlikhola	Deulikot	Deulikot
18	Tallagauda	SD	75.00	Gandaki Khola	Bhairavnath	Bhairavnath
19	Narugauda-Moraya TB	SN	88.00	Seti Nadi	Dangaji	Rayal
20	Dadimchaur	SD	60.00	Ranegad	Dangaji	Dangaji
21	Chosekot	SD	68.00	Chalnekhola	Budhiganga	Budhiganga
22	Daiya	SD	113.30	Baddi Gad	Kolti	Kotila
23	Alsebadi	SD	111.00	Khulmi Gad	Kotila	Kotila
24	Jyaure tilakhe	SD	111.00	Baddigad	Kolti	Kotila
25	Maitarna	SD	81.00	Budhi Ganga	Baijanath	Bichchhe
26	Thulaghat	SD	73.00	Budhiganga	Dahakot	Dahakot
27	Madi Khola	SD	45.00	Madi khola	Atichaur	Atichaur
28	Bagarkhola	SD	65.00	Bagarkhola	Atichaur	Atichaur
29	Gauriya Ghat	ST	32.00	Thalahi Khola	Narahi	Madhurijabdi
31	Akseriya	SN	75.00	Achheriya Khola	Belawa	Belawa
32	Kadal	ST	16.00	Kadal Khola	Chhaling	Chhaling
33	Dorkhu	ST	16.00	Dorkhu Khola	Chitapol	Tathali
34	Bengkhuwa	SD	97.00	Bengkhuwa	Chawki Danda	Khatamma
35	Chirkhuwa	SD	70.00	Chirkhuwa	Nepaledanda	Mulpani
36	Malbanse	SD	70.00	Yanguwa	Boya	Helauchha
37	Ekhuwadovan	SD	81.10	Ekhuwakhola	Hassanpur	Drummana
38	Raute Truss	ST	28.00	Raute Khola	Lekharka	Lekharka
39	Hile	ST	28.00	Sirwani	Lekharka	Gogane
40	Bansi N Type Bridge	SN	84.00	Kayar Khola	Ratnanagar	Ratnanagar
41	Dhikuwa Ghat N Type	SN	73.00	Khageri Khola	Ratnanagar	Ratnanagar
42	Dharampur Bridge	SN	52.00	Betari Khola	Meghauli	Meghauli
43	Bungara	SD	69.00	Bungra khola	Manilek	Kotaeli
44	Sajiraha	SD	97.00	Doteli gad	Bhageshor	Dewaldebhyapur
45	Maulesaal	SD	42.00	Katti Khola	Katti	Pagnath
46	Amlachaur	SD	85.00	Choratha Khola	Choratha	Salleri
47	Dhad Khola	SD	84.00	Padam Khola	Kalika	Kalika

48	Ghopteckhet	SD	49.00	Chhamgad	Kasikandh	Kusapani
49	Rotu	SD	86.00	Bhutgad	Bisalla	Lakandra
50	Badakhet	SD	114.00	Kanegad	Tilepata	Tilepata
51	Okhalekhola	SD	95.00	Khungad	Pipalkot	Singasain
52	Layantara	SD	114.00	Arjun khola	Rampur	Rampur
53	Sarra ghat	SN	120.00	Sano Rapti	Sonpur	Sonpur
54	kunti ghat	SD	88.50	Tui Sota	Phulbari	Phulbari
55	Dhunge ghat	SD	57.50	Tui khola	Phulbari	Phulbari
56	Khayarbhathi ghat	SD	88.00	Twang Khola	Purandhara	Purandhara
57	Gola Truss	ST	20.00	Gola Gad	Ghunsu	Ghunsu
58	Chhum Chhum Truss	ST	32.00	Chhumchhum Khola	Ghunsu	Ghunsu
59	Baskot	SD	90.00	Chamaliya	Gokuleshwar	Gokuleshwar
60	Tumadebhel Truss	ST	32.00	Danugad	Sarmauli	Sarmauli
61	Ramand Bridge	SD	64.10	Aanshi Khola	Nilkanth	Nilkanth
62	Sarimoto Bridge	SD	63.20	Arun Khola	Nilkanth	Nilkanth
63	Baguwa Bridge	SD	88.00	Koshi Khola	Taruka	Kalleri
64	Naukilo Bridge	SD	73.20	Mahesh Khoal	Kebalpur	Kebalpur
65	Jamune Bridge Galaudi	SD	61.60	Galaudi Khola	Gajuri	Pida
66	Siyaram Ghat	ST	28.00	Jagdar	Mithileshwar	Mithileshwar
67	Chichoriya	ST	32.00	Jallad	Lohana	Lohana
68	Kabariya Ghat	ST	20.00	Kukurdhari	Bahedabela	Bahedabela
69	Shantoshi mata	SD	53.25	Thuli Bheri	Dunai	Dunai
70	Rolagad	SD	66.94	Rolagad Khola	Majhphal	Majhphal
71	Baltada	SD	88.00	Sailigad	Daud	Daud
72	Saguraha Phaletbagar	SD	87.00	Sailigad	Dahakalikasthan	Girichauka
73	Ghattegad A	ST	28.00	Ghattegad	Banlek	Jijodamadaun
74	Kalaijar	ST	24.00	Ghattegad	Banlek	Jijodamadaun
75	Jarimtghat A	ST	32.00	Jarim gad	Tikhatar	Tikhatar
76	Kailpal Deujal	SN	64.00	Devijal Khola	Chhatiwan	Chhatiwan
77	Kulchhida	ST	28.00	Kumara Gad	Laxminagar	Laxminagar
78	Rautkatte	SN	95.00	Karnashi Khola	Saraswatinagar	Saraswatinagar
79	Gad Khet	SD	83.00	Gola Gad	Simchaur	Kedar Akhada
80	Ghattegad B	ST	32.00	Ghattegad	Durgamadaun	Durgamadaun
81	Gedikhola Truss	ST	28.00	Gedi Khola	Ampchaur	Ampchaur
82	Bhugdi Ghat Truss	ST	28.00	Bhugdi Khola	Santipur	Santipur
83	Sayang Ghat	SD	60.00	Uppilo Lumdikhola	Aslewa	Limgha
84	Patle Kharka	SD	88.50	Patle Khola	Thulo Lumpek	Thulo Lumpek
85	Hulkhola Truss	ST	20.00	Hulkhola	Maramung	Maramung
86	Bhedigad	SD	90.00	Humla Karnali	Syanda	Simikot
87	Tallo Sanghu	SD	70.00	Chuwa Khola	Theh	Theh
88	Lali Khola	SD	42.00	Mathillo lali Ghatte khola	Lali	Lali
89	Sarisalla	SD	66.00	Humla Karnali	Menchham	Jair
90	Neupanebesi	SD	72.00	Siddikhola	Ilam Municipality	Samalbung
91	Sanguri	ST	28.00	Puwakhola	Ilam Municipality	Sangrumba
92	Bhangtar	SD	95.00	Inгла	Pyang	Jamuna
93	Setidovan	SD	89.00	Jogmai	Panchakanya	Nayabazar
94	Himalaya	ST	32.00	Mayum	Pashupatinagar	Gorkhe
95	Ranbir (Satbise)	SD	82.00	Puwakhola	Barbote	Shantidanda
96	Deumai Kholatar	ST	28.00	Deumai	Chamauta	Chamauta
97	Kholatar (Alchhe)	ST	32.00	Puwakhola	Maipokhari	Puwamjhuba

98	Bardamba	SD	93.00	Deumai	Jeetpur	Imang
99	Chhatiwane	SD	88.00	Puwakhola	Barbote	Shantidanda
100	Phakfokkhola	SD	67.00	Phakphok	Ektappa	Gajurmukhi
101	Akase-Amale	ST	32.00	Yangmakhola	Ektappa	Ektappa
102	Dhanrup	SD	72.00	Maikhola	Jamuna	Sulubung
103	Bangre Khola	SD	58.20	Bangre Khola	Jagatipur	Bhur
104	Syauli Bagar	SD	88.60	Bangre Khola	Punma	Punma
105	Maluwatara	SD	118.00	Satha Khola	Paik	Paik
106	Baluwa Bagar	SD	64.00	Sani Gad	Nayakbada	Nayakbada
107	Sirke Truss	ST	32.00	Sirke Khola	Laha	Laha
108	Adarshatol	ST	20.00	Amalphutta	Pathriya	Pathriya
109	Damatar	SD	75.00	Damakhola	Budhabare	Budhabare
111	Dhyangri	ST	28.00	Dhyangri	Topgachi	Topgachi
112	Taadi Bagar (Luma)	SD	43.00	Juha Nadi	Dillichour	Dillichour
113	Huri Mohri	ST	28.00	Huri Khola	Patarasi	Chhumchour
114	Suda Truss	ST	32.00	Suda Khola	Tamti	Tamti
115	Rara Sanghu	SD	50.00	Tila Nadi	Mahadev	Lihi
116	Patar Sanghu	SD	87.00	Tila Nadi	Lihi	Lihi
117	Chiyani Truss	ST	32.00	Hima Nadi	Bumra Madichour	Bumra Madichour
118	Ghatteswara	ST	28.00	Khani Khola	Budhakhani	Budhakhani
119	Makaibari	SD	110.00	Khani Khola	Phalametar	Phalametar
120	Ova	SD	52.00	Ova Khola	Nigali	Nigali
121	Ghattegad I	SD	82.00	Ghatte Khola	Badalkot	Badalkot
122	Baddimela	SD	60.00	Lafagad	Ramnakot	Ramnakot
123	Dudhepani	SD	48.60	Chhhaligad	Mumra	Mumra
124	Damrigad	ST	28.00	Damrigad	Thirpu	Thirpu
125	Karneli ghat	SN	120.00	Gudrung khola	Duwiya	Duwiya
126	Idgah ghat	SN	103.00	Charangahawa	Bhagwanpur	Bhagwanpur
127	Chisapani Phusre Khola	ST	32.00	Phusre Khola	Pokhara Sub	Pokhara Sub
128	Seti khola bridge	SD	75.00	Seti khola	Namarjung	Namarjung
129	Sikles Dutpokharijane	SD	91.00	Dutpokhari khola	Parche	Parche
130	Matkyu	ST	28.00	Matkyu Khola	Ghandruk	Ghandruk
131	Aanpakarukha Bridge	SD	108.00	Mardi khola	Lwangghalel	Lwangghalel
132	Sali Nadi Truss	ST	24.00	Sali Nadi	Sangkhu Suntol	Sangkhu
133	Phalate	ST	28.00	Bagmati	Sundarijal	Sundarijal
134	Panchami Truss	SD	32.00	Dekhime	Kharmi	Patheka
135	Balabeshi Chaptima	SD	59.30	Tap Khola	Patheka	Khatamchha
136	Mewa Korepa	SD	68.80	Mewa Khola	Cheuredadha	Lafyang
137	Piple Bridge	SD	101.70	Sawa Khola	Barahapokhari	Licchiramche
138	Lapse Khola Burunchuli	SD	107.00	Lapse Khola	Devichaur	Lele
139	Katku Khola Truss	ST	32.00	Katku Khola	Dhapakhel	Harisiddhi
140	Bhachok Khola Tuin	SD	72.00	Bhachok Khola	Bajhakhet	Bajhakhet
141	Khanigaun, Marsyangdi	SN	108.00	Marsyangdi Nadi	Ghermu	Tadhring
142	Kirtipur Besi Tuin	SD	98.00	Dordi Khola	Dhodeini	Phaleni
143	Mahabir Khola Bridge	SD	54.00	Mahabir Khola	Pachok	Pachok
144	Uru Ghatte Khola Kamro	SD	60.00	Ghatte Khola	Pasgaun	Pasgaun
145	Kalleri Bridge, Paundi	SD	59.00	Paundi Khola	Tarku	Parewadanda
146	Naudi Khola Turepasal	SN	62.00	Naudi Khola	Parewadanda	Rupakot
147	Chhodke Pokhari	SD	100.00	Chhodke	Khaimara	Khaimara
148	Rewati Khola Bridge	SD	87.50	Rewati Khola	Kangkada	Kangkada

149	Musle Bridge	SD	85.90	Manahari	Manahari	Raksirang
150	Kali Khola Bridge	SD	96.00	Kali Khola	Kalikatar	Bhartapunyadevi
151	Jaruwotar	ST	32.00	Bhaluwa	Bhogteni	Bhogteni
152	Ekwari	SD	109.00	Bhaluwa	Bhogteni	Bhogteni
153	Milanchok	ST	28.00	Judikhola	Mathigachha	Mathigachha
154	Jhyari Khola	ST	28.00	Mandugad	Pina	Pina
155	Ghattegad	SD	49.00	Salimgad	Rowa	Rowa
156	Sipaghat	SD	94.00	Mugu Karnali	Rara	Jim
157	Nera Ghat	SD	94.00	Humla Karnali	Photu	Jair
158	Gadi Khola	SD	50.00	Gadhikhola	Shreekot	Shreekot
159	Ghunkyu khola	SD	65.00	Ghunkyu khola	Jomsom	Jomsom
160	Tibetan Bridge	SD	74.00	Kaligandaki	Marpha	Marpha
161	Panda khola Bridge	SD	102.00	Panda khola	Muktinath	Muktinath
162	Chhengur bridge	SD	80.70	Tangkarghung Khola	Muktinath	Jhong
163	Ghatte Bridge	SD	99.00	Ghatte khola	Tukuche	Tukuche
164	Uttisini Jho.Pu.	SD	53.00	Uttisini Khola	Begkhola	Begkhola
165	Dowa garilla ghat	SD	79.00	Sunari khola	Dowa	Dowa
166	Bahundhara ghat	SD	52.00	Raguganga ghat	Pakhapani	Pakhapani
167	Musaldhunga Jho.Pu.	SD	54.00	Maha Khola	Arman	Arman
168	Bandresim Jho.Pu.	SD	75.00	Myagdi Khola	Babiyachour	Baranja
169	Jema Khola Jho.Pu.	SD	71.50	Kothe Sanghu Khola	Rum	Rum
170	Phedi-Goja Jho.Pu.	SD	57.00	Myagdi Khola	Bim	Devasthan
171	Darkhola Jho.Pu.	SD	55.00	Darkhola	Muna	Muna
172	Chuhandi Ghat	SD	51.60	Baundi khola	Ruchang	Ruchang
173	Keladi ghat	SD	79.50	Dondore(Jukti) khola	Gaindakot	Gaindakot
174	Dobhane	ST	28.00	Bhote Khola	Duipipal	Duipipal
175	Purba Khet	SD	99.00	Chhange Khola	Talakhu	Talakhu
176	Chhahare	SD	92.00	Chhahare Khola	Madanpur	Chaturale
177	Kamitar	SD	63.00	Chagau Khola	Chhap	Chhap
178	Tapke Tar	SD	74.00	Lapse Khola	Likhu	Likhu
179	Yanche Khola	SD	80.00	Golphu Khola	Beteni	Beteni
180	Chhumi Khet	SD	92.00	Golphu Khola	Beteni	Beteni
181	Hadi Khola	SD	43.00	Hadi Khola	Beteni	Beteni
182	Dupcheshor, LSTB	SD	157.00	Tadi	Rautbesi	Shikharbesi
183	Ghamande Phedi	SD	75.00	Samari Khola	Kalyanpur	Kalyanpur
184	Pakhare Bridge	SD	67.00	Sakhare Khola	Ragadeep	Jantarkhani
185	Alle Dovan Truss	ST	32.00	Rayale Khola	Chyanam	Mulkharka
186	Agridhand Ghat Truss	ST	32.00	Siundi Khola	Gandakot	Gandakot
187	Dunardi Ghat	SD	78.00	Dunardi Khola	Mityal	Mityal
188	Sarangikhola Ghat	SD	92.00	Sarangi Khola	Jyamire	Pokharathok
189	Gabutari Ghat Truss	ST	32.00	Baseni Khola	Rahabas	Rahabas
190	Baseni Ghat	SD	52.00	Thulo Khola	Juthapauwa	Pokharathok
191	Sardewakholadumai Ghat	SD	50.00	Sadewa Khola	Siddheshwar	Khyaha
192	Righiwa	SD	87.00	Righiwa	Sidin	Sidin
193	Titeni	ST	32.00	Miwa	Falowcha	Falowcha
194	Sapute	SD	50.00	Aptanwa	Ranitar	Lungruppa
195	Nasuwadovan	SD	60.00	Sambukhola	Sarangdanda	Mangjabuk
196	Lamachaur	SD	117.90	Madi khola	Darwakawadi	Nayagaun
197	Bas khola	SD	79.30	Gartung	Bangemarot	Okharkot
198	Kyama Tawa Tar	SD	72.00	Khyama Khola	Gumdel	Gumdel
199	Gogane Apbot Bagar	SD	72.00	Gogane Khola	Pingkhuri	Pingkhuri

200	Aiman Chaur Bridge	SD	51.00	Aiman Khola	Goshwara	Goshwara
201	Ramjanaki Ghat	SN	59.80	Jhanjh	Saruatha	Saruatha
202	Shivratan Ghat	ST	32.00	Bhakuwa	Patharabudharam	Patharabudhara
203	Simaltara	SD	62.50	Mangad Khola	Gajul	Gajul
204	Kafalbot	SD	87.20	Mangad	Gajul	Gajul
205	Guna Khola	SD	55.00	GunaKhola	Liwang	Liwang
206	Uwa Rehab	SD	73.00	Teli Khola Domai	Uba	Uba
207	Gothbang Chambot	SD	63.42	Lungri	Gumchal	Jaimakasala
208	Rumti Gunam Khola	ST	24.00	Runti Gunam Khola	Sakhi	Sakhi
209	Bhutkhola	SD	55.00	Bhutkhola	Rangsi	Rangkot
210	Bothanekhang	SD	58.00	Kureli Dovan	Kureli	Kureli
211	Syabang Jhinjha	SD	109.30	Sankh Khola	Bhalakcha	Sankh
212	Rimalchaur	SD	85.50	Lukum Khola	Kakri	Kakri
213	Ghatte khola	SD	77.20	Ghatte khola	Kol	Kol
214	Pipalchaur	SD	89.50	Thuli Bheri	Dhetma	Dandagaun
215	BhaluKhola Ghat	SN	80.00	Bhalu Khola	Devdaha	Devdaha
216	Katuwa Ghat	SD	75.00	Kanchan Khola	Gajedi	Suryapura
217	Syalpani	SN	74.00	Sarada Khola	Dandagaun	Khalanga
218	Darmajiula	SD	76.00	Darama Khola	Darmakot	Darmakot
219	Khaireni	SD	90.00	Sarada Khola	Kalimati Kalche	Kalimati Kalche
220	Chisatara	SN	99.00	Sarada Khola	Kalimati Rampur	Kalimati Rampur
221	Jhirghat	SN	80.00	Sharda	Kabhra	Karagithi
222	Khakuwa	ST	24.00	Khekuwa	Bana	Shyaboon
223	Baderi	ST	28.00	Hewakhola	Chainpur	Jaljala
224	Bishhariya Nabtole	ST	32.00	Bhaluwahi Khola	Bishahariya	Itahari
225	Kupahi Rampura	SN	54.00	Ghordaha	Kochabakhari	Chhinamasta
226	Triuga Dovan	SN	80.00	Bhalwahi Khola	Lalapatthi	Lalapatthi
227	Bihul Bridge	SN	70.00	Bihul Nadi	Kachan	Ramnagar
228	Jingadwa bridge	ST	32.00	Banke Khola	Jingadawa	Parsa
229	Thulitar	SD	55.00	Gadauli	Kamalami	Kamalami
230	Chndrodaya	SD	63.00	Gwang Khola	Kamalami	Kamalami
231	Deudaha	ST	24.00	Dudhauli	Kamalami	Mahendra
232	Satpatre	ST	32.00	Dhansari	Tandi	Tandi
233	Ghorkata	ST	20.00	Phedikhola	Sirthauli	Sirthauli
234	Tinmure	SD	65.00	Ghattekhola	Amale	Amale
235	Golang Khola	SD	56.00	Golang	Thulo Dhading	Attarpur
236	Shiyale Khola	SD	64.00	Shiyale Khola	Sunkhani	Yamuna Danda
237	Tonglong Khola	SD	55.00	Tonglong	Thulo Pakhar	Thulo Pakhar
238	Lapse Khola	SD	70.00	Lapse Khola	Hagam	Baramchae
239	Gaikharka Dovan	SD	93.00	Inkhu Khola	Bung	Waku
240	Bharyang Khola	SD	59.00	Bharyang Khola	Jubu	Jubu
241	Shikhu Khola	SD	71.00	Shikhu Khola	Mukli	Nele
242	Serkhu Khola	SD	79.00	Serkhu Khola	Deusa	Deusa
243	Taltalaiya	ST	32.00	Serakhola	Itahari	Itahari
244	Narvasa	ST	24.00	Tengra	Madhali	Madhali
245	Puranogadi	ST	24.00	Tengra	Simaria	Simaria
246	Bokaidhami	SD	64.00	Gadankhola	Ekamba	Ekamba
247	Kali Khola Truss	ST	28.00	Kali Khola	Agriqaun	Bajedichaur
248	Thakleni	SN	45.00	Goche Khola	Sahare	Sahare
249	Saghukhola Ghat	ST	24.00	Saghukhola	Chitrehanjyang	Chitrehanjyang

250	Simkhet	SD	98.00	Seti Khola	Phedikhola	Arukharka
251	Kalikhola	ST	28.00	Kalikhola	Chilaunebas	Chilaunebas
252	Malate	SD	68.50	Kabeli	Pedang	Tellok
253	Khorima	SD	40.00	Khorima	Angkhop	Angkhop
254	Dhwngdhwange	SD	75.00	Phawakhola	Limbudin	Mehele
255	Yampha	SD	66.00	Yamphakhola	Surumkhim	Surumkhim
256	Sobuwadovan	SD	60.00	Sobuwakhola	Change	Hangpang
257	Ambote	SD	85.00	Tamor	Nangkholyang	Fulbari
258	Simle	SD	53.00	mangmaya	Shanghu	Dhungesaghu
259	Sukepani	SD	52.50	Tamor	Olangchunggola	Olangchunggola
260	Chyahangma	SD	98.00	Likhuwa	Aabung	Aabung
261	Sunakhari	SD	44.70	Mabuhang kebuk	Basantapur	Basantapur
262	Majhuwaphedi	SD	79.00	Baidhyanath	Bhalayedadha	Dumbre
263	Jhirari	SD	65.00	Rupani	Panchabatti	Panchabatti
264	Nagdaha	SD	73.00	Nagdaha	Hardeni	Hardeni
265	Chauki dovan	SD	62.00	Barbas	Mayakhu	Mayakhu
266	Deurali	SD	63.00	Saipa	Bare	Bare
267	Panighatta	SD	45.00	Yarikhola	Rupatar	Rupatar
268	Chhangetar	SD	80.00	Rakula	Thanagaun	Baraha

DRILP-AF List of Completed Trail Bridges in FY 2071/072

S.N.	No.	Bridge Name	Type	Span	Year of Completion
District- Baglung					
1	1	Marsyangdi Truss	ST	32.00	2014/15
2	2	Jiredi Ghat	SD	70.00	2014/15
3	3	Agul Ghat	SD	38.00	2014/15
4	4	Phedi Ghat	SD	59.50	2014/15
5	5	Rumta Ghat	SD	71.80	2014/15
6	6	Thulo Khola	SD	89.70	2014/15
7	7	Besi Ghat	SD	52.00	2014/15
District- Baitadi					
8	1	Boraghatta	SD	65.40	2014/15
9	2	Panali Truss	ST	20.00	2014/15
10	3	Kuwakot Truss	ST	32.00	2014/15
District-Lamjung					
11	1	Bhachok Khola Tuin	SD	72.00	2014/15
12	2	Khanigaun	SN	108.00	2014/15
13	3	Kirtipur Beshi Tuin	SD	98.00	2014/15
14	4	Mahabir khola	SD	54.00	2014/15
15	5	Uru Ghatte Khola	SD	60.00	2014/15
16	6	Kalleri Bridge Paundi	SD	59.00	2014/15
17	7	Naudi khola Turepasal	SN	62.00	2014/15
District-Myagdi					
18	1	Bahundhara Ghat	SD	52.00	2014/15
19	2	Uttisini Jho Pu	SD	53.00	2014/15
20	3	Darkhola Jho pu	SD	55.00	2014/15
21	4	Dowa Garilla Ghat	SD	79.00	2014/15
22	5	Musaldhunga Jho Pu	SD	54.00	2014/15
23	6	Bandersim Jho Pu	SD	75.00	2014/15
24	7	Jema Khola	SD	71.50	2014/15
25	8	Phedi Goja	SD	57.00	2014/15
District- Okhaldhunga					
26	1	Pakhare Bridge	SD	67.00	2014/15
27	2	Alle Dovan Truss	ST	32.00	2014/15
District-Ramechhap					
28	1	Kyama Tawa tar	SD	72.00	2014/15
29	2	Gogane Apbot Bagar	SD	72.00	2014/15
30	3	Aiman Chaur Bridge	SD	51.00	2014/15
District- Taplejung					
31	1	Khorima	SD	40.00	2014/15
32	2	Sobuwadovan	SD	60.00	2014/15
33	3	Ambote	SD	85.00	2014/15
34	4	Malate	SD	68.50	2014/15
35	5	Dhwngdhwange	SD	75.00	2014/15
36	6	Simle	SD	53.00	2014/15
37	7	Sukepani	SD	52.50	2014/15

List of completed Bridges under RAP-3 FY 2071/072

SN	SN	District	Bridge Number	Bridge Name	Type	Span (m)
Carry over						
1	1	Achham	69 5 014 18 06 1	Bigri	SD	87.0
2	2		69 5 022 18 06 1	Liphrukhola	SD	60.0
3	3		69 5 029 18 06 1	Odarkhet	SD	84.0
4	4		69 5 034 18 06 1	Dware	SD	82.0
5	5		69 5 041 18 06 1	Thadagada	SD	68.0
6	6		69 5 046 18 06 1	Santada Bridge	SD	49.0
7	7		68 5 056 18 06 1	Nawasera	SD	110.0
8	1	Bajura	68 5 025 18 06 2	Ghogar	SD	77.0
9	2		68 5 006 18 06 2	Alsebadi	SD	111.0
10	3		68 5 015 18 06 3	Thulaghat	SD	73.0
11	1	Doti	70 5 012 18 06 1	Khola Saudi	SD	67.0
12	2		70 5 026 18 06 1	Raushe	SD	55.0
13	3		70 5 033 18 06 1	Bajanath	ST	28.0
14	4		70 5 048 18 06 1	Simalkhet	SD	82.0
15	5		70 5 046 18 06 1	Gad Khet	SD	83.0
16	1	Humla	66 5 024 18 06 1	Giusi	SD	78.0
17	2		66 5 010 18 06 2	Tallo Sangu	SD	70.0
18	1	Jumla	63 5 014 18 06 2	Imilcha	SD	82.0
19	2		63 5 015 18 06 3	Nuwakot	SD	99.0
20	3		63 5 029 18 06 2	Bharvare	ST	28.0
21	1	Kalikot	64 5 019 18 06 2	Dahachaur	SD	68.0
22	1	Mugu	65 5 010 18 06 1	Tihar Bagar	SD	42.0
23	2		65 5 014 18 06 1	Patarkhola	SD	74.0
24	3		65 5 017 18 06 4	Syalibagar	SD	119.0
25	4		65 5 019 18 06 2	Mauberi	ST	28.0
26	5		65 5 019 18 06 3	Siyagad	SD	60.0
New Construction						
27	1	Achham	69 5 013 18 06 3	Bherasain	SD	67.7
28	2		69 5 018 18 06 1	Lingrawa	SD	86.0
29	3		69 5 011 18 06 1	Lamtola	SD	78.0
30	1	Bajura	68 5 002 18 06 1	Shelaghat	SD	60.0
31	2		68 5 002 18 06 2	Gopisera	SD	40.0
32	3		68 5 025 18 06 3	Balde Bafaune	SD	73.0
33	4		68 5 001 18 06 1	Chosekot	SD	68.0
34	1	Dailekh	61 5 004 18 06 1	Basenighat	SD	69.0
35	2		61 5 005 18 06 2	Lamatada	SN	50.0
36	3		61 5 030 18 06 2	Mallasanghu	SD	102.0
37	4		61 5 047 18 06 3	Rotu Katte	SD	86.0
38	5		65 5 012 18 06 1	Maulesaal	SD	42.0
39	6		65 5 019 18 06 1	Amlachaur	SD	85.0
40	7		61 5 027 18 06 2	Ghoptekhet	SD	49.0
41	8		61 5 052 18 06 1	Badakhet	SD	114.0
42	9		61 5 053 18 06 1	Okhalekhola	SD	95.0
43	1	Doti	70 5 034 18 06 1	Kulchhida Truss	ST	28.0

SBD List of completed TBs in FY 2071/072

SN	Name of the bridge	District	Span (in meters)	Type	River
1	Kusumbaghat bridge	Bardiya	268	N	Babae
2	Madhavpur-Mulkharka (Molung Khola bridge)	Okhaldhunga	257	D	Molung
3	Baijanath Ridikot bridge	Achham	328	N	Budi Ganga
4	Dhundure Papre (Dhorfirdi bridge)	Tanahu	269	N	Seti
5	Badagaun Kaiya bridge	Parbat/Baglung	347	D	Kali Gandaki
6	Sokmatar (Thakle-Bahundanda bridge)	Okhaldhunga/Khotang	152	D	Dudh Koshi
7	MilanGhat bridge	Palpa/Syangja	184	N	Kali Gandaki
8	Khoriyaghat bridge	Syangja	179.8	N	Kali Gandaki
9	Lagam bridge	Surkhet	256.6	N	Karnali
10	Nawathana Bhageshwor bridge	Achham	120	D	Chippe khola
11	Purkot Benighat bridge	Gorkha/Tanahu	206	D	Marsangdi
12	Saknyar-Paudiaraie bridge	Baglung/Gulmi	276	D	Badigang
13	TashiBazar bridge	Achham	151	D	Budi Ganga
14	Chanuwa Jarayotar bridge	Dhankuta/Bhojpur	199	N	Arun
15	Batase bridge, Udaypur	Khotang	151	D	Sun Koshi
16	Thumki Samibhanjyang	Lamjung/Kaski	271	N	Madi
17	Kerung Khola bridge	Solukhumbu	216	D	Kerung
18	Tholmeghat bridge	Okhaldhunga/Sindhuli	179.8	N	Sun Koshi
19	Khayarmara bridge	Mahottari	179.8	N	Khare Mara
20	Tapudham bridge	Palpa/Tanahu	290	D	Kali Gandaki
21	Jhimrukkhola bridge	Pyuthan	189.5	N	Bhimruk
22	Jhanana-Pikhet bridge	Bajhang	189.5	D	Seti
23	Tamor Nadi (Foling bridge)	Taplegunj	224.5	D	Tamor
24	Chandanpur(Babaie Nadi bridge)	Bardiya	268.6	N	Babae
25	Jahari Khola bridge	Rukum	132.5	D	Jhari
26	SundariKhola bridge	Saptari	206.2	N	Sundari
27	Chasu Bridge	Kaski	152	D	Madi
28	Baskhali Bridge	Dadeldhura	121.5	D	Nani Ganga
29	Sirar Ratmate Bridge	Gulmi	125	D	Dhobotay
30	Kaule (Dikhuwa bridge)	Khotang	126.45	D	Kaule

RADC List of Completed Trail Bridges FY 2071/072

SN	District	SN	Name of Trail Bridge	Type	Span (m)	River	VDC	
							Left Bank	Right Bank
1	Taplejung	1	Tapethok-Suplima	ST	32	Suplima	Tapethok-8	Tapethok-8
2		2	Rising Khola	D	42	Mewa	Mewa	Papung-1
3	Sankhuwasabha	1	Chumjum Khola	D	50	Chhumjung	Chepuwa-5	Chepuwa-8
4		2	Hungung Phedi	D	55	Arun	Hatiya-3	Hatiya-3
5	Solukhumbu	1	Sattle Andheri Khola	ST	22.2	Andheri Khola	Necha-7	Necha-7
6	Dhading	1	Gorgen Truss Bridge	ST	22.2	Gorgen	Tipling	Tipling
7		2	Aakhukhola	D	113	Aankhu	Sertung-1	Lapa-4
8	Dolpa	1	Khalibang	D	72	Khalibang	Pahada-9	Pahada-9
9	Achham	1	Kailash Khola Baskhet	D	60	Kailash	Santada-6	Bhatakatiya-9
10	Sindhupalchowk	1	Doramba	D	55	Doramba	Phulpingkatti-1	Phulpinkati-1
11	Rolpa	1	Longebot	ST	22.2	Phedikhol	Phedi khola	Ghartigaun-5
12	Jajarkot	1	Purano Risang	ST	22.2	Risang	Khlanga-7	Khalanga-6
13		2	Lamkane	ST	18.5	Lamkane	Talegaun-8	Talegaun-7
14		3	Gadghatta	ST	25.9	Gadghatta	Dhime-5	Dhime-7
15	Bajhang	1	Juligad	ST	18.5	Juligad	Maulali-4	Bhairabnath-5
16	Darchula	1	Hardigad	D	52	Hardigad	Dandakot-6	Dandakot-8

KCAMC List of Completed Trail Bridges in FY 2071/072

SN	District	Name and type of the bridge	Span (in m)	River
1	Taplejung	Lamatar Suspended	65	Ghunsa Khola
2		Nagarikhola Steel Truss	28	Nagri Khola
3		Dhangyam Steel Truss	20	Shyanksung Khola
4		Syaksung Steel Truss	20	Loshyamuni Khola
5		Hulukchuwa Steel Truss	24	Hulukchuwa Khola
6		Yangma Samba Suspended	55	Yangsamba Khola
7		Jaubari Suspended	43	Ghunsa Khola

PAF List of Completed Trail Bridge in FY 2071/072

SN	District	TB Name	Span (in m)	VDC
1	Sindhupalchowk	Sengtang Bisauna Jhuluge	56.2	Pantang

KAAA-BGN List of Completed Trail Bridges in FY 2071/072

SN	District	Project	Span (in m)	VDC	Ward no.
1	Gorkha	Upallo Dundare Khola Suspended Bridge	108.00m	Manbu	6/4
2		Andheri Khola Steel Truss Bridge	32.00m	Hansapur/Kharibot	3/8
3		Lili Khola Suspended Bridge	70.00m	Kharibot	3/4
4	Syangja	Saradi Khola Suspended Bridge	65.00m	Bangsing Deurali/Bichari Chautara	5/1
5	Dailekh	Tame Khola Suspended Bridge	81.00m	Narayan Municipality/Toli	5/6
6		Main Khola Suspended Bridge,	63.00m	Khadgabada	7/9
7		Chauratha Khola Suspended Bridge	91.00m	Chaurata/Salleri	3/2
8		Kada Khola Suspended Bridge	76.00m	Bindyabasini/Chauratha	2/1
9	Dang	Guwar Khola Suspended Bridge	130.00m	Bijauri/Haluwar	9/6
10	Dolpa	Phoksundo Khola (Samduwa) Suspended Bridge	70.00m	Phoksundo	4/7
11		Phoksundo Khola (Saijol) Suspended Bridge	74.00m	Phoksundo	4
12		Hum Khola Suspended Bridge	60.00m	Pahada/Likhu	8/9
13	Rolpa	Lungri Khola Suspended Bridge	60.00m	Badachaur/Phagam	9/1
14		Tamghas Khola Suspended Bridge	73.00m	Mirul	7
15		Madi Khola (Majhbang) Suspended Bridge	58.00m	Bhawang/Korchabang	1/1
16		Sakhi Khola (Thathibot) Suspended Bridge	70.00m	Jedbang/Jaulipokhari	8/4
17	Bhojpur	Hinkhuwa Khola Suspended Bridge	45.00m	Timma/Chhinamakhu	9/1
18	Okhaldhunga	Khani Khola Suspended Bridge	71.00m	Bilandu	9
19	Sankhuwasabha	Sabha Khola Suspended Bridge	100.00m	Sabha Pokhari	2/8
20		Kaguwa Khola Suspended Bridge	66.00m	Diding	4/5

Annex - III

List of Major Maintenance/Rehabilitation

List of Major Maintenance completed by Clusters

Cluster	SN	District	No. of MM TBs
Kathmandu Cluster	1	Chitwan	6
	2	Dolakha	1
	3	Sindhupalchowk	4
	4	Dhading	2
	5	Kavre	2
	6	Makwanpur	2
	7	Sindhuli	4
	8	Rasuwa	2
	9	Ramechhap	4
	10	Nuwakot	6
Mid and Far- West Cluster	1	Pyuthan	1
	2	Rolpa	6
	3	Rukum	2
	4	Surkhet	5
	5	Dailekh	6
	6	Jajarkot	3
	7	Dang	3
	8	Salyan	5
	9	Bajura	4
	10	Bajhang	1
	11	Darchulla	0
	12	Achham	4
	13	Doti	4
	14	Dadeldhura	2
	15	Baitadi	4
	16	Kailali	0
	17	Kanchanpur	3
Bardibas SFU	1	Morang	2
	2	Rautahat	1
Eastern Cluster	1	Taplejung	2
	2	Bhojpur	3
	3	Okhaldhunga	1
	4	Panchthar	1
Western Cluster	1	Kaski	4
	2	Nawalparasi	5
	3	Argakanchi	1
	4	Gorkha	3
	5	Gulmi	2
	6	Lamjung	4
	7	Manang	4
	8	Myagdi	8
	9	Palpa	2
	10	Parbat	1

	11	Tanahun	2
Surkhet SFU	1	Humla	2
	2	Kalikot	3
	3	Jumla	3
	4	Dolpa	1
Total			141

List and Progress of C/O Rehabilitation/ Major Maintenance (Steel parts funded by SDC)

Status: 31st July 2015

SN	District	SN	Bridge Name	Progress status			
				Completed in FY 2012/013	Completed in FY 2013/014	Completed in FY 2014/015	Work progress
1	Taplejung	1	Limbuni pool (SBD)			Completed	
2		2	Hellok khola	Completed			
3		3	Tawa kabeli	Completed			
4		4	Takmaya dovan	Completed			
5		5	Mewakhola			Completed	
6	Panchthar	1	Hewa Khola	Completed			
7	Ilam	1	Deumai pool			Completed	
8		2	Triveni ghat	Completed			
9	Morang	1	Kadam khola		Completed		
10		2	Bakraha Khola		Completed		
11		3	Chumari		Completed		
12		4	Campa Ghat		Completed		
13	Sankhuwasava	1	Leksuwa khola	Completed			
14		2	Rato pool		Completed		
15		3	Maguwa	Completed			
16		4	Savakhola	Completed			
17		5	Newatar	Completed			
18		6	Sang khola	Completed			
19	Bhojpur	1	Kattikeghat (SBD)			Completed	
20		2	Leguwa ghat (SBD)			Completed	
21		3	Tipchaur	Completed			
22		4	Yangtang		Completed		
23		5	Ghatte	Completed			
24	Udayapur	1	Rasuwa Dovan (SBD)			Completed	
25	Okhaldhunga	1	Nawalpur Ghat		Completed		
26		2	Rabuwa		Completed		
27		3	Jayram Ghat				Work in progress
28	Khotang	1	Buwajor ghat (Chamere Pul)			Tender awarded but Not Completed	
29		2	Rai Ghat			Tender awarded but Not Completed	
30		3	Ghopata			Tender awarded but Not Completed	
31		4	Tawa Khola			No Tender awarded	
32	Ramechhap	1	Manthali Ghat		Completed		
33		2	Shivalay	Completed			
34	Dolakha	1	Swamibot	Completed			
35	Sindhupalchowk	1	Budepa	Completed			
36		2	Barbote (Mudhe)		completed		
37		3	Phalame Sangu		Completed		
38		4	Balephi Khola		completed		
39	Kavreplanchowk	1	Pachuwar Ghat	Completed			
40		2	Roshi Dovan (Nepalthok)		Completed		

41		3	Chehre			Completed	
42	Rasuwa	1	Chhepar Khola		Completed		
43		2	Syaphrubesi I			Completed	
44	Dhading	1	Baluwatar				Under progress, will be completed in this FY
45		2	Borang				Cancelled due to NC by RADC
46		3	Dundure		Completed		
47		4	Gajuri tar		Completed		
48		5	Parewa Ghat (SBD)		Completed		
49		6	Salang Ghat (SBD)		Completed		
50	Makawanpur	1	Churibas (Sisneri)		Completed		
51		2	Kalikatar (SBD)		Completed		
52		3	Rapti Nadi (SBD)		Completed		
53	Gorkha	1	Abu Khairani (SBD)		Completed		
54		2	Tatopani		Completed		
55		3	Thado Bharyang		Completed		
56		4	Kurin Ghat (SBD)		Completed		
57		5	Dhawadi Ghat	Completed			
58	Tanahun	1	Bishghare (Seti Madi)		Completed		
59		2	Kalikatar		Completed		
60		3	Satrasaya		Completed		
61	Syangja	1	Hungi ghat		Completed		
62		2	Walling (SBD)		completed		
63		3	Teunas		completed		
64	Kaski	1	Bhalam			completed	
65		2	Musituda			completed	
66		3	Idu Khola				Under progress
67		4	Tagimadi Ghat				Under progress
68	Mustang	1	Ghasa	Completed			
69		2	Jomsom	Completed			
70	Maygdi	1	Benibazar	Completed			
71		2	Tatopani	Completed			
72	Baglung	1	Hatiya		completed		
73		2	Kharbang		completed		
74		3	Shusma Ghat				Under progress
75	Gulmi	1	Chhaldi		completed		
76	Palpa	1	Dovan khola			Completed	
77	Nawalparasi	1	Bugdi			Completed	
78		2	Kharsang			Completed	
79	Rupandehi	1	Butwal-I (SBD)			Completed	
80	Kapilbastu	1	Banganga		Completed		
81	Argakhanchi	1	Chutrabesi		completed		
82	Pyuthan	1	Dharmabati				Under progress
83	Rolpa	1	Salleri (Bajabang)		completed		
84		2	Liwange Aap		completed		
85		3	Dhangsi khola		completed		
86		4	Hungry Khola		completed		
87		5	Chhary khola		Completed		
88		6	Uwa khola		completed		
89	Rukum	1	Karba Gad	Completed			
90		2	Simli Ghat	Completed			
91	Salyan	1	Dharkhani		Completed		
92		2	Sunchaur				Cancelled. New bridge planned (DPR completed)
93		3	Nayaghat		completed		

94		4	Nathe Pipal		completed		
95		5	Dordhunga		completed		
96	Dang	1	Kathkuiya		Completed		
97		2	Katuwa khola		Completed		
98		3	Bishalpur	Completed			
99		4	Babai Nadi		Completed		
100		5	Gothali Ghat	Completed			
101		6	Sikta	Completed			
102	Banke	1	Bagauda	Completed			
103	Bardiya	1	Orahi Nala	Completed			
104	Surkhet	1	Ram Ghat	Completed			
105		2	Rani Ghat	Completed			
106		3	Jammu Ghat	Completed			
107	Dailekh	1	Khatada			Completed	
108	Jajarkot	1	Aulgurta		Completed		
109		2	Bairi tal		completed		
110		3	Chaukha Khola		completed		
111	Kalikot	1	Phu Gad		Completed		
112	Mugu	1	Masadana		Completed		
113	Bajura	1	Partola		Completed		
114		2	Bauli gad	Completed			
115		3	Piluchaur	Completed			
116		4	Bhujan gad		Completed		
117	Bajhang	1	Simarbagar	Completed			
118		2	Sadii thalara	Completed			
119		3	Batulsera	Completed			
120		4	Malumela	Completed			
121		5	Bauli gad	Completed			
122	Achham	1	Jigadi Gad	Completed			
123		2	Rakam Ghat	Completed			
124		3	Talla Gad			Completed	
125		4	Hallesi		Completed		
126		5	Budhiganga (Sanfe Bagar)		Completed		
127	Doti	1	Kot Bhairab	Completed			
128		2	Shilangi Bag			Completed	
129	Kailali	1	Machheli khola	Completed	completed		
130	Kanchanpur	1	Babathan			Completed	
131		2	Bhumiraj			Completed	
132	Dadeldhura	1	Dogad	Completed			
133		2	Jharda	Completed			
134		3	Khulla Khet	Completed			
135		4	Puntura Ghat		Completed		
136	Baitadi	1	Gosai	Completed			
137		2	Radil			Completed	
138		3	Nilgad Truss	Completed			
139		4	Dhik Gad Truss			Completed	
140	Darchula	1	Gokuleshwor				Being initiated next year

Total	140
Completed	128
Work-in-progress	10
Cancelled	2

Annex - VI

Routine Maintenance conducted in FY 2071/072

Trail Bridge Sector-Wide Approach

Annual Progress Report FY 2014/015

GoN-Funded District-wise Program

S.N.		District	Routine Maintenance	Major Maintenance	New Construction
			Nos.	Nos.	Nos.
Eastern Region	1	Taplejung	143	2	8
	2	Panchthar	110	1	4
	3	Ilam	124	0	13
	4	Dhankuta	46	0	2
	5	Terhathum	88	0	2
	6	S Sava	103	0	0
	7	Bhojpur	108	3	6
	8	Udaypur	54	0	4
	9	Khotang	208	0	2
	10	Okhaldhunga	207	1	4
	11	Solukhumbu	57	0	7
	12	Jhapa	0	0	4
	13	Morang	43	2	3
	14	Sunsari	10	0	4
	15	Saptari	0	0	4
	16	Siraha	0	0	0
		Total	1300	9	67

Central Region	17	Dolakha	141	1	0
	18	Ramechhap	102	4	3
	19	Sindhuli	93	4	6
	20	Dhanusha	0	0	3
	21	Mahottari	0	0	1
	22	Sarlahi	0	0	1
	23	Rasuwa	70	2	0
	24	Dhading	20	2	5
	25	Nuwakot	55	6	10
	26	Kathmandu	0	0	2
	27	Bhaktapur	0	0	2
	28	Lalitpur	42	0	2
	29	Kavrepalanchowk	32	2	2
	30	Sindhupalchowk	22	4	4
	31	Makwanpur	26	2	3
	32	Rautahat	6	1	2
	33	Bara	0	0	1
	34	Parsa	0	0	0
	35	Chitwan	37	6	3
		Total	646	34	50

Annex - V

Standing List of Fabricators

<p style="text-align: center;">Government of Nepal Ministry of Local Development Department of Local Infrastructure Development and Agricultural Road Development Standing List of Fabricators</p>	
S.N.	Name of firm
1	Durga Engineering Works Dhangadhi 091-522468, 524286
2	Jal Binayak Engineering Workshop Thanshikhel, Lalitpur 01-55001589
3	Nepa Engineering Works Pvt.Ltd Nepalgunj Industrial Estate 081-4034880
4	Sugam Engineering and Services Gothatar-9, Kathmandu 01-4992978
5	Gaurav Associate Engineers & Fabricators Nepal Pvt.Ltd J/V Kalanki, Kathmandu 01-4284319
6	Inter-tech Pvt.Ltd Butuwal Industrial Estate 071-540147
7	Udeco Pvt.Ltd. Satdobato, Lalitpur 01-5541289
8	Structo Nepal Pvt.Ltd Patan Industrial Estate, Lalitpur 01-5521192
9	Ashesh Metal Industries Satdobato, Lalitpur 01-5550550
10	Hulas Steel Industries Golchha house, Kathmandu 01-4250001
11	Krishna Grill & Engineering works Pvt.Ltd Mainroad South, Biratnagar 021-471492
12	Bhagwati Steel Industries Pvt.Ltd. Adarshanagar, Birgunj 051-580417, 580160
13	Mainawati Steel Industries Pvt.Ltd Mainroad, Biratnagar 021-527210
14	Ram metal workshop Shobhabhagwati, Chhatri, Kathmandu 01-4353921, 4354617
15	Himalayan Engineering works Birendranagar Industrial District 9858050747
16	Bhawani Engineering Industries Chitwan 01-5541279
17	Shidha Baba Eng. Works Simra, Bara 9845021838
18	Machhapuchhare Metal & Machinery works Pvt. Ltd Pokhara Industrial Estate 061-520605
19	Junkiri Industries Pvt.Ltd Butuwal Industrial Estate 071-541389, 540389
20	Rijwan Engineering Udhyog Nepalgunj Industrial Estate 081-522052
21	Radha Engineering & Construction Co.Pvt. Ltd Miteri marg, Baneswor, Kathmandu 01-4472111
22	Radha Structure & Engineering Works Pvt.Ltd Miteri marg, Baneswor, Kathmandu 01-4472111, 4491132
23	National Structure & Engineering Patan Industrial Estate, Lalitpur 01-5521405
24	Khanal Engineering & Industries Butuwal Industrial Estate 071-544492
25	Agro Engineering Works (P) Ltd Butuwal Industrial Estate 071-540179
26	S.K Engineering Industries Butuwal Industrial Estate 071-548305
27	Malika Engineering & Mechanical works Pvt.Ltd. Chouraha, Dhangadhi 091-522730
28	Jagdamba Engineering Chaakpur, Dhangadhi 01-520890

Annex - VI

List of Abbreviations

ADB	Asian Development Bank
APBR	Annual Program and Budget
APR	Annual Project Report
BCI	Bridge Condition Investigation
BWs	Bridge Wardens
DAG	Disadvantaged Groups
DBR	District Bridge Record
DDC	District Development Committee
DG	Director General
DTO	District Technical Office
DMBT	Demonstration Model Bridge Training
DoLIDAR	Department of Local Infrastructure Development and Agricultural Roads
DoLIDAR/LBS	DoLIDAR/Local Bridge Section
DRILP	Decentralized Rural Infrastructure and Livelihood Project
D-Type	Suspended Type Bridge
EI	Educational Institute
FY	Fiscal Year
GoN	Government of Nepal
IoE	Institute of Engineering, Tribhuvan University
JFA	Joint Financing Arrangement
KAAA-BGN	Kadoorie Agricultural Aid Association- British Gurkhas Nepal
LIDP	Local Infrastructure Development Policy
LBS	DoLIDAR/Local Bridge Section
LSGA	Local Self Governance Act
LSTB	Long Span Trail Bridge (LST Bridge)
LTBP	Local Trail Bridge Program
LTM	Learning Through Monitoring
MoF	Ministry of Finance
MoFALD	Ministry of Federal Affairs and Local Development
MM	Major Maintenance
NGO	Non-Governmental Organization
NTBR	Nepal Trail Bridge Record
N-Type	Suspension Type Bridge
PBBA	Post Bridge Building Assessment
PICC	Programme Implementation Coordination Committee
ProDoc	Project Document
RADC	Remote Area Development Committee
RAIDP	Rural Access Infrastructure and Decentralization Project
RAP	Rural Access Programme
RRRSDP	Rural Reconstruction and Rehabilitation Sector Development Program
RM	Routine Maintenance
SBD	Suspension Bridge Division
SDC	Swiss Agency for Development and Cooperation
SOS	Social Organizational Support
SSTB	Short Span Trail Bridge (SST Bridge)
SWAp	Sector-Wide Approach
TA	Technical Assistance
TBS	Trail Bridge Strategy
TBSCC	Trail Bridge SWAp Coordination Committee
TBSU	Trail Bridge Support Unit
TIM	Transport Infrastructure Map
UC	Users' Committee
VDC	Village Development Committee
WB	World Bank
YPO	Yearly Plan of Operations