



## ROAD UPDATE

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### Kandahar-Herat Highway

The Kandahar-Herat Highway connects the southern and western parts of Afghanistan. This 557 km stretch of highway is part of the “Ring Road”, which interlinks the main cities of Kabul, Kandahar, and Herat. USAID is funding 326 km of the Kandahar-Herat Highway, while Saudi Arabia and Japan are each responsible for a 116 km section. The Japanese have stopped construction due to recent security concerns. USAID is also funding the architecture/engineering (A/E) and management of the Saudi Section (Section 2).

**USAID Section:** Demining and mobilizing continues on **Section 2** (Km 115-231) . In **Section 3** (Km 231-356), 82% of the first layer of asphalt treated base (ATB) has been laid, 79% of the second layer (Binder Course), and 24% of the final layer (Wearing Course). In **Section 4** (4A Km 356-406, 4B Km 406-456), work continues on 4A at full speed with over 54% of both the first and second layer of asphalt is complete and 51% of the wearing course. On 4B, all of the asphalt is complete. Also, 28% of the Double Bituminous Surface Treatment (DBST) of the shoulders is complete. In **Section 5** (Km 456-557), bridge and culvert works are continuing, and over 58% of the first layer of asphalt and 38% of the second layer are complete.

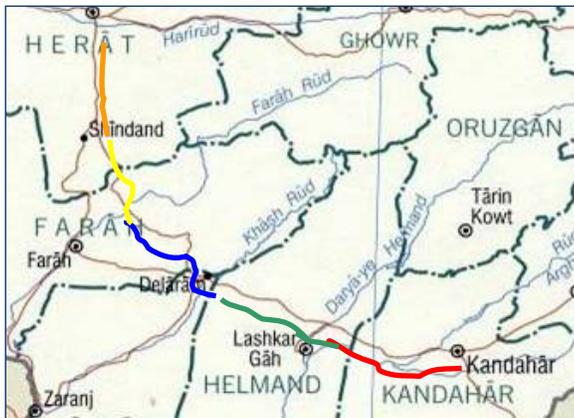
USAID incorporates capacity building, a principal component of development and reconstruction assistance, into road reconstruction efforts in order to increase the participation and commitment of Afghans. During this period, 75% of the project’s employees were Afghan nationals.



Base course work commences on Pul-e-Alam road connecting to the ‘Ring Road’.



Removal of existing asphalt continues to eliminate ‘soft spots’.



### Kandahar-Herat Highway Sections

- Japanese Section
- Saudi Section (2)
- US Section 3
- US Section 4
- US Section 5



Bridging existing rock and beginning base course density testing.

### Focus on Urban Roads: Bibi Mahro

Asphalt removal works and saw cutting of all asphalt along the existing centerline continues. A leveling layer has been placed and base course placement and prime coat is complete for over 1.7 km of the right hand side. In addition, ATB placement is nearly complete for the first 1.7 km of the right hand side.

### Guide for the Non-Road Engineers: Construction Flow



## Provincial Roads Highlights

Security continues to delay progress on several provincial road projects.

Provincial Road	Progress to date
Kabul-Gardez Road (125 km)	Sections 1 & 2 asphalt treated base (ATB) work is complete from Km 3 – 62; asphalt wearing course (AWC) is complete from Km 12- 55 and Km 71 – 83; retaining wall and culverts complete in section 1; 65 of 67 culverts re-habilitated in Sect. 2. Side road drainage and site cleanup ongoing in Section 1 with Km 3-45 being readied for final inspection with signage and road markings work in progress. For Section 3, ground survey and design work is in progress.
Pul-e Alam to Ring Road (35 km)	Initial grading complete and being maintained. Earthworks ongoing Km 28 - 35, sub-base Km 0 – 21 complete, and base course Km 2 - 20 complete. First layer of DBST on-going or complete from Km 2 - 13.5. Excavation on-going between Km 25 – Km 26. Drainage work on-going at 6 locations from Km 13 – Km 26.
Jalalabad-Asmar Road (122 km)	Previous contracts for all section of this road have either expired or been terminated. The major contractor working Km 30-122 was terminated for default. A replacement contractor has been selected to complete the entire road, and contract negotiations are being finalized. New completion date is expected to be Nov 2006.
Kandahar-Tirin Kot Road (148 km)	Intense effort ongoing to finish 2 <sup>nd</sup> layer DBST in section 3 from Km 72 to 127. Km 113+600 – 114+550 is ready for 2 <sup>nd</sup> layer DBST. Final side drain work in progress. Road is open to traffic. All work to be completed by mid-October with the contractor demobilized/all equipment relocated to other projects, with Army security support.
Panjsher Road (70 km)	Replacement contract for Section 1 will have separate awards for drainage and pavement. Section 2 road de-mining is complete, but some quarry areas still being worked. Survey and design are ongoing; base camp construction continues with occupancy scheduled for 10 October. 540 MT subbase produced. Approx. 30% of excavation, including blasting at Km 6+780 and Km 7+400 - 7+460, is complete.
Sheberghan - Sari Pul Road (54 km)	Subbase complete from Km 0 – Km 50. Base course complete from Km 0 – Km 46. First and second course of DBST from Km 0 – Km 45+480 complete. Touch up painting on Bridge 1 handrail. On schedule for completion this fall.
Farah-Ring Road (70 km)	Rough grading is complete. Detailed road alignment cross-sectional survey ongoing. Embankment work ongoing Km 62 - 70. Granular embankment placed for 2.5 Km within city limits for dust control. Camp facility construction in progress. Crusher work on-going for subbase and base course materials.
Lashkar Gah-Ring Road (49 km)	Rough grading is complete. Five culverts in construction. Embankment work continues between Km 35 – 36 and between Km 37 – 38. Rock crushing behind schedule due to equipment breakdowns.
Ghazni-Sharan Road (57.5 km)	Work in camp area complete except for minor work. Crushing of base course ongoing. Demining continues from Km 43 towards Sharan. Rough grading towards Ghazni complete. Earthworks on sections of cuts, surveying and staking ongoing. Embankment being placed from Km 38 to 49+500. Security ditch being deepened around camp in order to reduce the required number of security personnel.



## Road-Related Security Incidents

On September 16, a rocket type shelling occurred in the main camp for the Ghazni-Sharon Rural Road Project. The rockets appeared to be a RPG type and were launched from the West towards the camp, and impacted past the camp. No injuries or destruction of project property were reported.