



**REHABILITATION OF ECONOMIC FACILITIES AND SERVICES  
(REFS)**

**United States Agency for International Development  
Kabul, Afghanistan**



September 27, 2005

**To Whom It May Concern**

This is to certify that *M/s BSC - C&C "JV"* (A 50% - 50% Joint Venture between *M/s B.Seenaiah & Company (Projects) Ltd.* and *M/s C&C Constructions Private Ltd.*), located *Jay Plaza - Clearview Building, C - 1/B, Old DLF Colony, Gurgaon - 122001 (Haryana), INDIA*, have completed the following work satisfactorily.

**Project Name:** Rehabilitation of Economic Facilities & Services REFS Program.  
Design-Build, Contract for the Rehabilitation of the "Section E" (85 Km stretch from Km 262 to Km 347) of Kabul - Kandahar Highway.

**Contract Number:** RFES 03-02-GG451-RD-0007

**Client:** *The United States Agency for International Development (USAID)*

**Consultant:** *Louis Berger Group Inc., USA*

**Contract Value at Award:** US \$39.933 Million

**Date of Start:** 31<sup>st</sup> May 2003

**Extended Date of Completion:** 26<sup>th</sup> June 2005

**Actual Date of Completion:** 26<sup>th</sup> June 2005

**Contract Value at Completion:** US \$44.196 Million

**Standard Specifications followed:** Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-03)  
U.S. Department of Transportation

**General Conditions of Contract:** FIDIC, First Edition 1995

*The Louis Berger Group, Inc.  
Street 13, Building #6, Wazir Akbar Khan, Afghanistan  
Tel-Mobiles: 070-284-387; 295-580; 287-747*





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**Major Quantities of Work Executed:**

**Road Works**

<i>Item</i>	<i>Unit</i>	<i>31<sup>st</sup> May 03 to 31<sup>st</sup> March 04</i>	<i>1<sup>st</sup> April 04 to 31<sup>st</sup> March 05</i>	<i>1<sup>st</sup> April 05 to 26<sup>th</sup> June 05</i>	<i>Total</i>
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**Earthworks**

Roadway Excavation	Cum	46247.65	365056.44	6945.57	418249.66
Select Borrow	Cum	101571.46	356972.52	393.66	458937.64
Embankment Construction	Cum	120489.54	445245.13	4504.00	570238.67
Scarify, Shape, Compact & Fine Grade Roadway	Sqm	750000.00	226165.00	0.00	976165.00

**Sub-Base & Base Courses**

Scarify and Pulverize Existing Pavement	Sqm	276501.64	Nil	Nil	276501.64
Crushed Aggregate Base Course (WMM)	Cum	Nil	149136.66	1690.13	150826.79

**Asphalt Works**

Asphalt Treated Base Course- I (ATB-I) <i>BM</i>	Mt	94270.61	Nil	111.76	94382.37
Asphalt Treated Base Course- II (ATB-II) <i>BM</i>	Mt	45219.99	132494.78	120.71	177835.48
Hot Asphalt Concrete Wearing Course (WC) <i>BC</i>	Mt	Nil	75493.76	3799.40	79293.16
Single Surface Treatment (SBST - Shoulders)	Sqm	Nil	333508.00	2111.46	335619.46

**Road Furniture**

Construction Signs	Sqm	29.51	455.13	Nil	484.64
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**Causeways/Culverts/Bridges**

**Causeways:**

Rehabilitation of 3 nos.

**Culverts:**

338 nos

**Bridges:**

Rehabilitation of 16nos with total length of 768

mts

<i>Item</i>	<i>Unit</i>	<i>31<sup>st</sup> May 03 to 31<sup>st</sup> March 04</i>	<i>1<sup>st</sup> April 04 to 31<sup>st</sup> March 05</i>	<i>1<sup>st</sup> April 05 to 26<sup>th</sup> June 05</i>	<i>Total</i>
Structural Excavation	Cum	Nil	44284.72	1190.17	45602.36
Foundation Backfill	Cum	Nil	2600.55	14228.75	16829.30
Excavation of Unlined Drain	Cum	Nil	Nil	31378.50	31378.50
Structural Concrete	Cum	Nil	1036.67	103.36	1140.03
Stone Masonry	Cum	Nil	19462.79	984.36	20447.15

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During the course of execution the Contractor has performed his work in a professional manner, has used quality materials, maintained quality workmanship and performed all regular testing procedures and quality assurances.

The Contractor had an effective Project Management Team and Program System in place during the complete project. The Contractor used Primavera Project Planner (P3) as their Program Management system for scheduling.

This Project was executed in one of the most difficult security environment and required a huge logistic planning, to maintain the supply of materials and equipment requiring a very innovated manner in completing their Project.

The success of the Project required extensive coordination with other Contractors and we found the Contractors cooperation between *The Louis Berger* and *The USAID* to be exceptional.

*BSC - C&C 'JV'* have been pre-qualified by *The Louis Berger* for additional projects in Afghanistan .

For *Louis Berger Group Inc.*  
  
Authorized Signatory  


*The Louis Berger Group, Inc.*  
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