Muon Campus AIP

Change Request Form

CR#:BT007

1) DATE: 10/15/14	2)WBS: BT1.01.02	3) Originator: Ken Domann KAD

4) WBS Description of Primary Affected Tasks: Beam Transport Project Management Oversight

5) Technical Description & Primary Motivation for Change: This Change Request for the Beam Transport AIP consists of revising M&S for the Beam Transport FY15 Management task from $30,000 to $20,000 based on reduced needs for Project Controls support.

6) Assessment of Cost Impact (Use attachments if needed): See Attachments for changes.

7) Assessment of Schedule Impact (Use attachments if needed): N/A

8) Secondary Impact & Other Comments: N/A

9) Approvals:

AIP Project Manager:	MAKumbar	**Date:** 10/21/14
AIP Project Coordinator:		**Date:** 10/21/14
AD Div Director:		**Date:**
Directorate:		**Date:**

Beam Transport CR007 Material Delta

UID	WBS	Name	Start	Finish	Original M&S	New M&S	Delta
6	**BT1**	**Beam Transport AIP**	**8/26/13**	**1/29/16**	**$2,217,015**	**$2,207,015**	**($10,000)**
7	**BT1.01**	**Beam Transport Project Management**	**8/26/13**	**1/29/16**	**$72,700**	**$62,700**	**($10,000)**
9	**BT1.01.02**	**Beam Transport Project Management Oversight**	**8/26/13**	**1/29/16**	**$72,700**	**$62,700**	**($10,000)**
490	BT1.01.02.03	Beam Transport AIP Project Management OS FY15	9/23/14	9/21/15	$30,000	$20,000	($10,000)

Beam Transport Pre CR007 CAP

CTC		FY12	FY13	FY14	FY15	FY16	Cumulative
A1303.01.02.01 Project Management Oversight FY13							
	Scheduled	0.00	56,415.81	0.00	0.00	0.00	56,415.81
A1303.01.02.02 Project Management Oversight FY14							
	Scheduled	0.00	0.00	139,404.50	0.00	0.00	139,404.50
A1303.01.02.03 Project Management Oversight FY15							
	Scheduled	0.00	0.00	3,360.74	140,642.56	0.00	144,003.30
A1303.01.02.04 Project Management Oversight FY16							
	Scheduled	0.00	0.00	0.00	2,548.83	35,282.17	37,831.00
A1303.02.01 Beam Transport Lambertson (MLAW) Magnet							
	Scheduled	0.00	0.00	295,983.41	0.00	0.00	295,983.41
A1303.02.02.01 Beam Transport Extraction Kicker Magnets (RKB 2)							
	Scheduled	0.00	6,218.93	163,023.76	0.00	0.00	169,242.68
A1303.02.02.02 Beam Transport Extraction Kicker Power Supplies							
	Scheduled	0.00	0.00	32,213.32	368,709.96	81,794.30	482,717.58
A1303.02.02.03 Beam Transport Kicker Loads & Cooling System							
	Scheduled	0.00	6,218.93	389,354.87	37,790.01	0.00	433,363.81
A1303.02.02.04 Beam Transport Recycler Ring Extraction Insert Installa							
	Scheduled	0.00	0.00	426,269.95	186,389.53	203,559.50	816,218.98
A1303.03.01.01 RR to P1 Vertical Bending Dipole ADCW (1)							
	Scheduled	0.00	0.00	24,275.42	0.00	0.00	24,275.42
A1303.03.01.02 RR to P1 Permanent Magnets RQA (4)							
	Scheduled	0.00	0.00	0.00	58,606.21	0.00	58,606.21
A1303.03.01.03 RR to P1 Trim Quad STQB (4+1)							
	Scheduled	0.00	0.00	159,220.31	0.00	0.00	159,220.31
A1303.03.01.05 RR to P1 Vertical Dipole Correctors (1+1)							
	Scheduled	0.00	0.00	8,653.56	0.00	0.00	8,653.56
A1303.03.02.01 RR to P1 Lambertson PS							
	Scheduled	0.00	0.00	50,020.25	10,910.91	0.00	60,931.16
A1303.03.02.02 RR to P1 Vertical Magnet PS							
	Scheduled	0.00	0.00	50,020.25	10,910.91	0.00	60,931.16
A1303.03.02.03 RR to P1 Trim Dipole PS(2)							
	Scheduled	0.00	0.00	26,087.02	0.00	0.00	26,087.02
A1303.03.02.04 RR to P1 Trim Quad PS(4)							
	Scheduled	0.00	0.00	30,932.88	0.00	0.00	30,932.88
A1303.03.03 Beam Transport RR to P1 Instrumentation							
	Scheduled	0.00	0.00	0.00	267,802.03	0.00	267,802.03
A1303.03.04 Beam Transport RR to P1 Installation							
	Scheduled	0.00	0.00	0.00	471,268.04	0.00	471,268.04
A1303.04.01.01.01 Beamline B2 Dipole Magnet (1) (V714 Replacement)							
	Scheduled	0.00	0.00	39,771.00	9,847.54	0.00	49,618.54
A1303.04.01.01.02 Beamline Existing Magnets to be Repurposed							
	Scheduled	0.00	0.00	5,094.81	16,429.91	0.00	21,524.72
A1303.04.01.01.03 Beamline CDA Magnet (F-17C Replacement)							
	Scheduled	0.00	0.00	1,170.09	41,334.02	0.00	42,504.10
A1303.04.01.02 Beamline PS							
	Scheduled	0.00	0.00	10,704.52	213,229.08	5,825.61	229,759.21
A1303.04.01.03 Beam Line Installation & Mechanical							
	Scheduled	0.00	0.00	83,830.87	381,251.64	0.00	465,082.52
A1303.04.01.04 RR to AP-0 Target Station and RR to M3 Line optics							
	Scheduled	0.00	0.00	67,641.57	0.00	0.00	67,641.57
A1303.04.02 Beam Transport Electrical Infrastructure							
	Scheduled	0.00	0.00	10,433.98	172,202.93	0.00	182,636.91
A1303.04.03 Beamline Instrumentation & Controls							
	Scheduled	0.00	0.00	81,699.13	513,837.44	0.00	595,536.57
Grand Total							
	Scheduled	0.00	68,853.67	2,099,166.22	2,903,711.54	326,461.58	5,398,193.01

Beam Transport Post CR007 CAP

Control Account	Results		FY12	FY13	FY14	FY15	FY16	Cumulative
A1303.01.02.01 Project Management Oversight FY13								
		Scheduled	0.00	56,415.81	0.00	0.00	0.00	56,415.81
A1303.01.02.02 Project Management Oversight FY14								
		Scheduled	0.00	0.00	139,404.50	0.00	0.00	139,404.50
A1303.01.02.03 Project Management Oversight FY15								
		Scheduled	0.00	0.00	3,062.52	128,234.14	0.00	131,296.67
A1303.01.02.04 Project Management Oversight FY16								
		Scheduled	0.00	0.00	0.00	2,548.83	35,282.17	37,831.00
A1303.02.01 Beam Transport Lambertson (MLAW) Magnet								
		Scheduled	0.00	0.00	295,983.41	0.00	0.00	295,983.41
A1303.02.02.01 Beam Transport Extraction Kicker Magnets (RKB 2)								
		Scheduled	0.00	6,218.93	163,023.76	0.00	0.00	169,242.68
A1303.02.02.02 Beam Transport Extraction Kicker Power Supplies								
		Scheduled	0.00	0.00	32,213.32	368,709.96	81,794.30	482,717.58
A1303.02.02.03 Beam Transport Kicker Loads & Cooling System								
		Scheduled	0.00	6,218.93	389,354.87	37,790.01	0.00	433,363.81
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A1303.03.01.01 RR to P1 Vertical Bending Dipole ADCW (1)								
		Scheduled	0.00	0.00	24,275.42	0.00	0.00	24,275.42
A1303.03.01.02 RR to P1 Permanent Magnets RQA (4)								
		Scheduled	0.00	0.00	0.00	58,606.21	0.00	58,606.21
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		Scheduled	0.00	0.00	159,220.31	0.00	0.00	159,220.31
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		Scheduled	0.00	0.00	50,020.25	10,910.91	0.00	60,931.16
A1303.03.02.02 RR to P1 Vertical Magnet PS								
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		Scheduled	0.00	0.00	26,087.02	0.00	0.00	26,087.02
A1303.03.02.04 RR to P1 Trim Quad PS(4)								
		Scheduled	0.00	0.00	30,932.88	0.00	0.00	30,932.88
A1303.03.03 Beam Transport RR to P1 Instrumentation								
		Scheduled	0.00	0.00	0.00	267,802.03	0.00	267,802.03
A1303.03.04 Beam Transport RR to P1 Installation								
		Scheduled	0.00	0.00	0.00	471,268.04	0.00	471,268.04
A1303.04.01.01.01 Beamline B2 Dipole Magnet (1) (V714 Replacement)								
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A1303.04.01.03 Beam Line Installation & Mechanical								
		Scheduled	0.00	0.00	83,830.87	381,251.64	0.00	465,082.52
A1303.04.01.04 RR to AP-0 Target Station and RR to M3 Line optics								
		Scheduled	0.00	0.00	67,641.57	0.00	0.00	67,641.57
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		Scheduled	0.00	0.00	10,433.98	172,202.93	0.00	182,636.91
A1303.04.03 Beamline Instrumentation & Controls								
		Scheduled	0.00	0.00	81,699.13	513,837.44	0.00	595,536.57
Grand Total								
		Scheduled	0.00	68,853.67	2,098,868.00	2,891,303.13	326,461.58	5,385,486.38