

Massachusetts School Building Authority

Steven Grossman
Chairman, State Treasurer

John K. McCarthy
Executive Director



MSBA Contractor Roundtable

Tuesday, December 2, 2014



Roundtable Agenda

- 9:00 AM – Welcome
- 9:05 A.M. – MSBA Staff Update – Rich Hudson
 - Standard Schedule of Values
 - Discussion
- 9:15 A.M. – MSBA Staff Presentation – Michael McGurl and Caulen Finch
 - Tracking of Committed and Uncommitted Costs within a Schedule of Values
 - Discussion
- 10:00 A.M.
 - Future Topic Suggestions
 - Selection of Facilitator for Next Roundtable



MSBA Contractor Roundtable

- MSBA Staff Update – Rich Hudson
 - Standard Schedule of Values
 - Discussion

Total Project Budget

Insert City/Town
School Name

Insert Submittal Date

	Estimated Budget	Scope Items Excluded from the Basis of Estimated Total Facilities Grant or Otherwise Ineligible	Basis of Estimated Total Facilities Grant ¹	Estimated Maximum Total Facilities Grant ¹
Total Project Budget: All costs associated with the project are subject to 963 CMR 2.16(5)				
Feasibility Study Agreement				
1			\$0	
			\$0	
2			\$0	
			\$0	
3			\$0	
			\$0	
4			\$0	
5	\$0	\$0	\$0	#DIV/0!
Administration				
Legal Fees				
6			\$0	#DIV/0!
Owner's Project Manager				
7			\$0	
8			\$0	
9			\$0	
10			\$0	
11			\$0	
12			\$0	
13			\$0	
14			\$0	
15			\$0	
16			\$0	
17			\$0	
18			\$0	
19	\$0	\$0	\$0	#DIV/0!
Architecture and Engineering				
Basic Services				
21			\$0	
22			\$0	
23			\$0	
24			\$0	
25			\$0	
26			\$0	
27	\$0	\$0	\$0	
Reimbursable Services				
28			\$0	
29			\$0	
30			\$0	
31			\$0	
32			\$0	
33			\$0	
34			\$0	
35			\$0	
36	\$0	\$0	\$0	#DIV/0!
CM @ Risk Preconstruction Services				
37			\$0	#DIV/0!
Site Acquisition				
38			\$0	
39			\$0	
40			\$0	
41	\$0	\$0	\$0	#DIV/0!
Construction Costs				
42				
SUBSTRUCTURE				
43				
44				

Total Project Budget

**Insert City/Town
School Name**

Insert Submittal Date

	Estimated Budget	Scope Items Excluded from the Basis of Estimated Total Facilities Grant or Otherwise Ineligible	Basis of Estimated Total Facilities Grant¹	Estimated Maximum Total Facilities Grant¹
Total Project Budget: All costs associated with the project are subject to 963 CMR 2.16(5)				
45 SHELL				
46 Super Structure				
47 Exterior Closure				
48 Exterior Walls				
49 Exterior Windows				
50 Exterior Doors				
51 Roofing				
52 INTERIORS				
53 Interior Construction				
54 Staircases				
55 Interior Finishes				
56 SERVICES				
57 Conveying Systems				
58 Plumbing				
59 HVAC				
60 Fire Protection				
61 Electrical				
62 EQUIPMENT & FURNISHINGS				
63 Equipment				
64 Furnishings				
65 SPECIAL CONSTRUCTION & DEMOLITION				
66 Special Construction				
67 Existing Building Demolition				
68 In-Bldg Hazardous Material Abatement				
69 Asbestos Cont'g Floor Mat'l Abatement				
70 Other Hazardous Material Abatement				
71 BUILDING SITEWORK				
72 Site Preparation				
73 Site Improvements				
74 Site Civil/ Mechanical Utilities				
75 Site Electrical Utilities				
76 Other Site Construction				
77 Scope Excluded Site Cost				
Construction Trades Subtotal	\$0	\$0		
78 Contingencies (Design and Pricing)		#DIV/0!		
79 D/B/B Sub-Contractor Bonds		#DIV/0!		
80 D/B/B Insurance		#DIV/0!		
81 D/B/B General Conditions		#DIV/0!		
82 D/B/B Overhead & Profit		#DIV/0!		
83 GMP Insurance		#DIV/0!		
84 GMP Fee		#DIV/0!		
85 GMP Contingency		#DIV/0!		
86 Escalation to Mid-Point of Construction		#DIV/0!		
87 Overall Excluded Construction Cost				
Construction Budget	\$0	#DIV/0!	#DIV/0!	#DIV/0!
89 Alternates			\$0	
			\$0	
90			\$0	
91			\$0	
92 Alternates Subtotal	\$0	\$0	\$0	#DIV/0!
93 Miscellaneous Project Costs				
Utility company Fees			\$0	

Total Project Budget

Insert City/Town
School Name

Insert Submittal Date

	Estimated Budget	Scope Items Excluded from the Basis of Estimated Total Facilities Grant or Otherwise Ineligible	Basis of Estimated Total Facilities Grant ¹	Estimated Maximum Total Facilities Grant ¹
Total Project Budget: All costs associated with the project are subject to 963 CMR 2.16(5)				
94	Testing Services		\$0	
95	Swing Space/Modulars		\$0	
96	Other Project Costs (Mailing & Moving)		\$0	
97	Misc. Project Costs Subtotal	\$0	\$0	#DIV/0!
98	Furnishings and Equipment			
	Furnishings		\$0	
99	Equipment		\$0	
100	Computer Equipment		\$0	
101	FF&E Subtotal	\$0	\$0	#DIV/0!
102				
	Soft Costs that exceed 20% of Const'n Cost			
103	Project Budget	\$0	#DIV/0!	#DIV/0!

Board Authorization				
105	Design Enrollment		#DIV/0!	Reimbursement Rate Before Incentive Points
106	Total Building Gross Floor Area (GSF)		#DIV/0!	Total Incentive Points
107	Project Budget	\$0		MSBA Reimbursement Rate
108	Scope Items Excluded or Otherwise Ineligible	#DIV/0!	1.00	(0-2) Maintenance
109	Third Party Funding (Ineligible)	\$0	0.00	(0-1) CM @ Risk
110	Basis of Estimated Total Facilities Grant ¹	#DIV/0!	0.00	(0-6) Newly Formed Regional School District
111	Reimbursement Rate	#DIV/0!	#DIV/0!	(0-5) Major Reconstruction or Reno/Reuse
112	Estimated Maximum Total Facilities Grant ¹	#DIV/0!		
113				0
				0
114	Potentially Eligible Construction Contingency ²		0.00	(0-1) Overly Zoning 40R and 40S
115	Potentially Eligible Owner's Contingency ²		0.00	(0-0.5) Overlay Zoning 100 units or 50% of units 1,2,
116	Total Potentially Eligible Contingency ²	\$0		or 3 family structures
117	Reimbursement Rate	#DIV/0!	0.00	(0-2) Energy Efficiency - "Green Schools"
118	Potential Additional Contingency Grant Funds ²	#DIV/0!	0.00	(5) Model Schools
119	Maximum Total Facilities Grant	#DIV/0!	#DIV/0!	Total Incentive Points
120	Total Project Budget	\$0		

NOTE: This template was prepared by the MSBA as a tool to assist Districts and their teams in the understanding of MSBA policies and practices and their potential impact on the MSBA's calculation of a potential Basis of Total Facilities Grant and potential Total Maximum Facilities Grant. This template does not contain a final, exhaustive list of all evaluations which the MSBA may use in determining whether items are eligible for reimbursement by the MSBA. The MSBA will perform an independent analysis based on a review of information and estimates provided by the District for the proposed school project that may or may not agree with the estimates generated by the District using this template.

1. Does not include any potentially eligible contingency funds and is subject to review and audit by the MSBA.

2 - Pursuant to Section 3.20 of the Project Funding Agreement and the applicable policies and guidelines of the Authority, any project costs associated with the reallocation or transfer of funds from either the Owner's contingency or the Construction contingency to other budget line items shall be subject to review by the Authority to determine whether any such costs are eligible for reimbursement by the Authority. All costs are subject to review and audit by the MSBA.

Standard Schedule of Values

PERIOD FROM:
TO:
ARCHITECT'S PROJECT NO.:

A DIVISION	B DESCRIPTION OF WORK	C MSBA CODE	D SCHEDULED VALUE	E WORK COMPLETED		F COMPLETED AND STORED TO DATE (D+E+F)	G % (G/C)	H BALANCE TO FINISH (C-G)	I RETAINAGE	
				PREVIOUS APPLICATION	THIS APPLICATION					
					WORK IN PLACE					STORED MATERIAL
01	General Conditions	0502-0100					0	#DIV/0!	0	
02	Existing Conditions	0502-0200					0	#DIV/0!	0	
02	Asbestos Abatement	0502-0200					0	#DIV/0!	0	
02	Structure Demolition	0502-0200					0	#DIV/0!	0	
02	Hazardous Materials	0502-0200					0	#DIV/0!	0	
03	Concrete	0502-0300					0	#DIV/0!	0	
03	Footings	0502-0300					0	#DIV/0!	0	
03	Foundations	0502-0300					0	#DIV/0!	0	
03	SOG	0502-0300					0	#DIV/0!	0	
04	Masonry	0502-0400					0	#DIV/0!	0	
04	CMU	0502-0400					0	#DIV/0!	0	
04	Brick	0502-0400					0	#DIV/0!	0	
05	Metals	0502-0500					0	#DIV/0!	0	
05	Fabrication	0502-0500					0	#DIV/0!	0	
05	Erection	0502-0500					0	#DIV/0!	0	
06	Wood, Plastic, and Composites	0502-0600					0	#DIV/0!	0	
07	Thermal and Moisture Protection	0502-0700					0	#DIV/0!	0	
08	Openings	0502-0800					0	#DIV/0!	0	
08	Hollow Metal Doors & Frames	0502-0800					0	#DIV/0!	0	
08	Wood Doors	0502-0800					0	#DIV/0!	0	
08	Windows (FSB)	0502-0800					0	#DIV/0!	0	
08	Skylights	0502-0800					0	#DIV/0!	0	
08	Door Hardware	0502-0800					0	#DIV/0!	0	
08	Glazing (FSB)	0502-0800					0	#DIV/0!	0	
08	Louvers & Vents	0502-0800					0	#DIV/0!	0	
09	Finishes	0502-0900					0	#DIV/0!	0	
10	Specialties	0502-1000					0	#DIV/0!	0	
11	Equipment	0502-1100					0	#DIV/0!	0	
12	Furnishings	0502-1200					0	#DIV/0!	0	
13	Special Construction	0502-1300					0	#DIV/0!	0	
14	Conveying Equipment	0502-1400					0	#DIV/0!	0	
21	Fire Suppression	0502-2100					0	#DIV/0!	0	
22	Plumbing	0502-2200					0	#DIV/0!	0	
23	HVAC	0502-2300					0	#DIV/0!	0	
25	Integrated Automation	0502-2500					0	#DIV/0!	0	
26	Electrical	0502-2600					0	#DIV/0!	0	
27	Communications	0502-2700					0	#DIV/0!	0	
28	Electronic Safety and Security	0502-2800					0	#DIV/0!	0	



Standard Schedule of Values

DIVISION	DESCRIPTION OF WORK	MSBA CODE	SCHEDULED VALUE	WORK COMPLETED		COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE	
				PREVIOUS APPLICATION	THIS APPLICATION					
					WORK IN PLACE					STORED MATERIAL
31	Earthwork	0502-3100				0	#DIV/0!	0		
32	Exterior Improvements	0502-3200				0	#DIV/0!	0		
33	Utilities	0502-3300				0	#DIV/0!	0		
	- Alternates	0506-0000				0	#DIV/0!	0		
	TOTAL BASE CONTRACT AMOUNT									
	Change Order No. 1	0508-0000								
	Change Order No. 2	0508-0000								
	Change Order No. 3	0508-0000								
	Change Order No. 4	0508-0000								
	TOTAL CHANGE ORDER AMOUNT									
	TOTAL CONTRACT AMOUNT									

*Bold indicates subtotal of detailed line item budgets

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Tracking of Committed and Uncommitted Costs

December 2, 2014



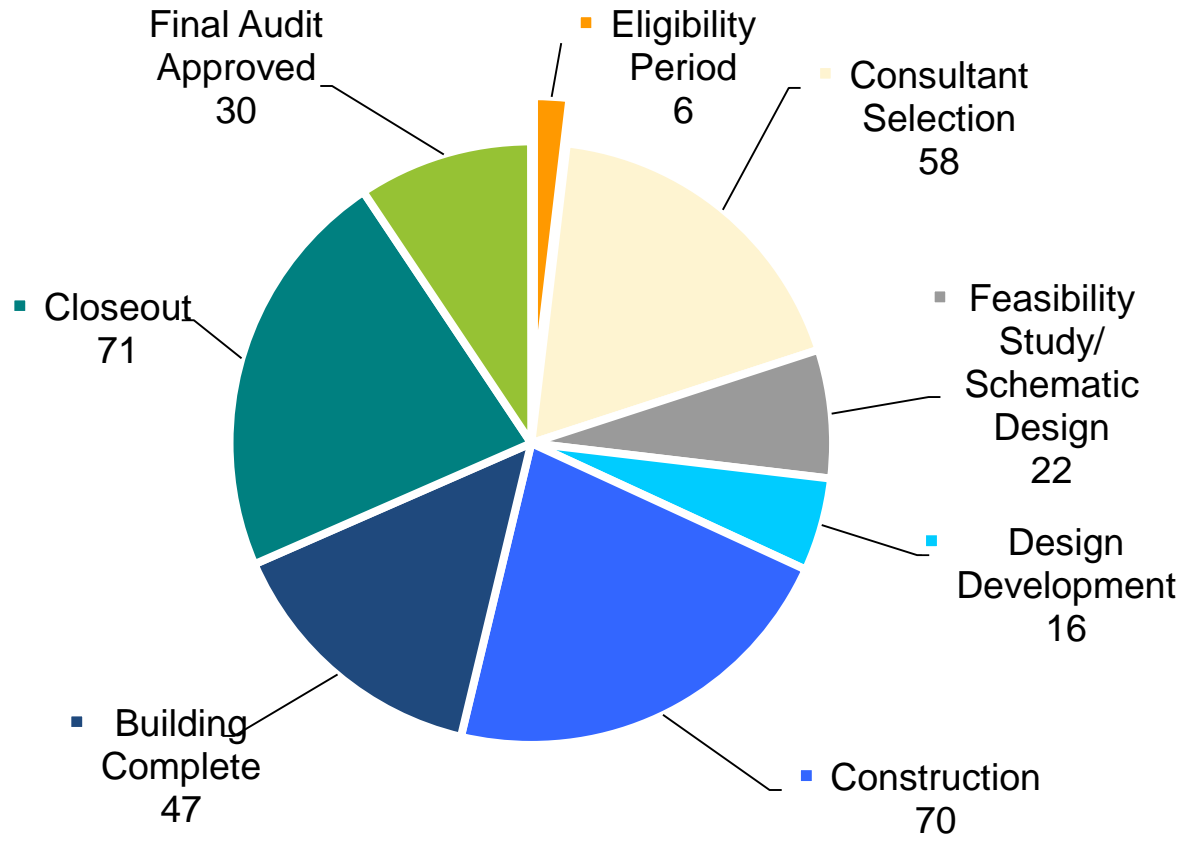
Introduction

- Importance of communication
 - Physical progress is generated by Contractors
 - Construction data is the result of physical progress
 - Contractors provide construction data to OPMs
 - OPMs submit construction data to the MSBA
 - MSBA receives construction data in monthly reports and reimbursement requests
 - MSBA wants to support the consistent flow of construction data from OPMs by informing the development of construction data



Introduction

■ MSBA Eligibility Period & Capital Pipeline






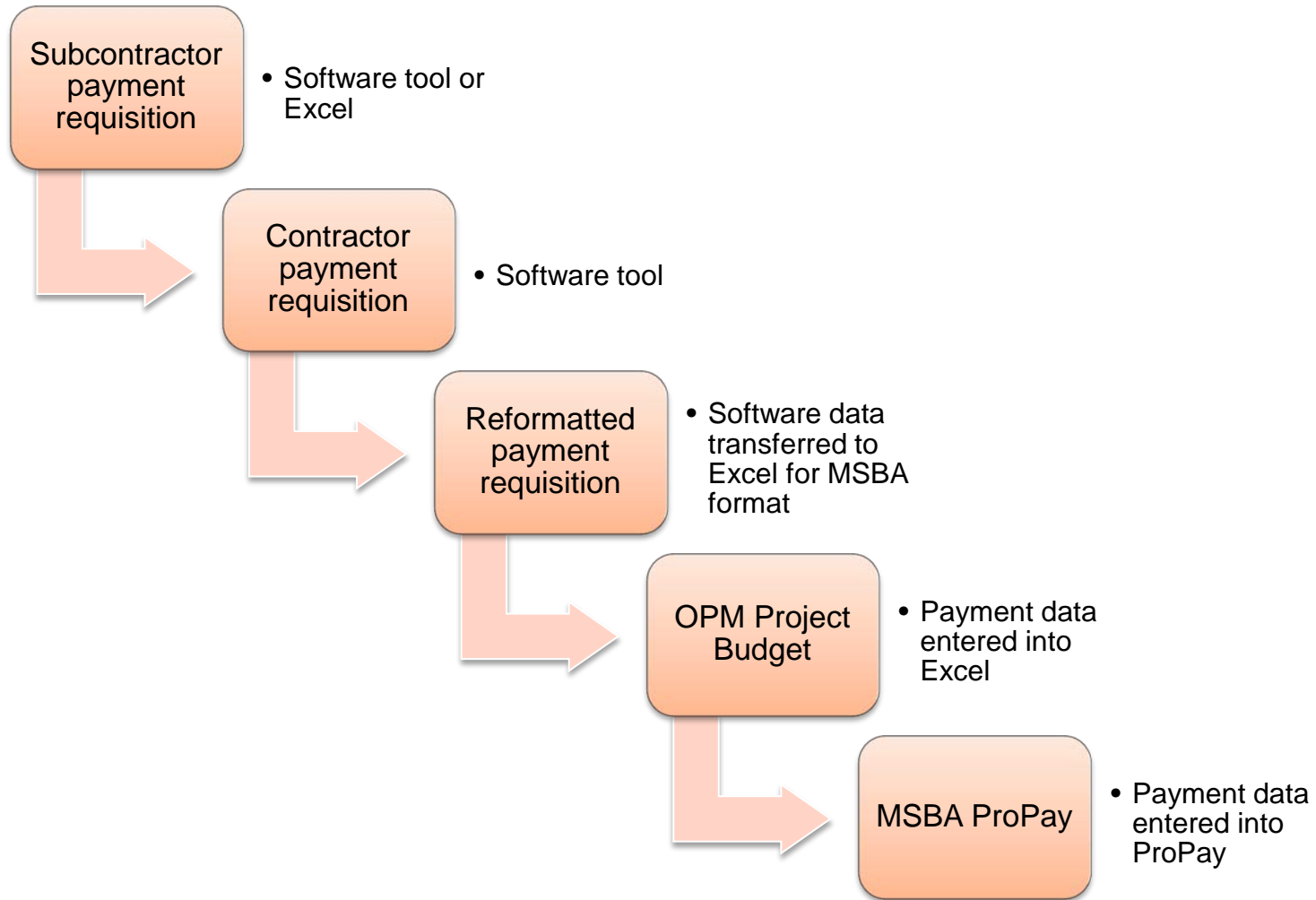
Mission

To Identify:

- CM@R business methods
- Possible standardization
 - Consistent practices on all MSBA projects
 - Eliminate duplicative data entry

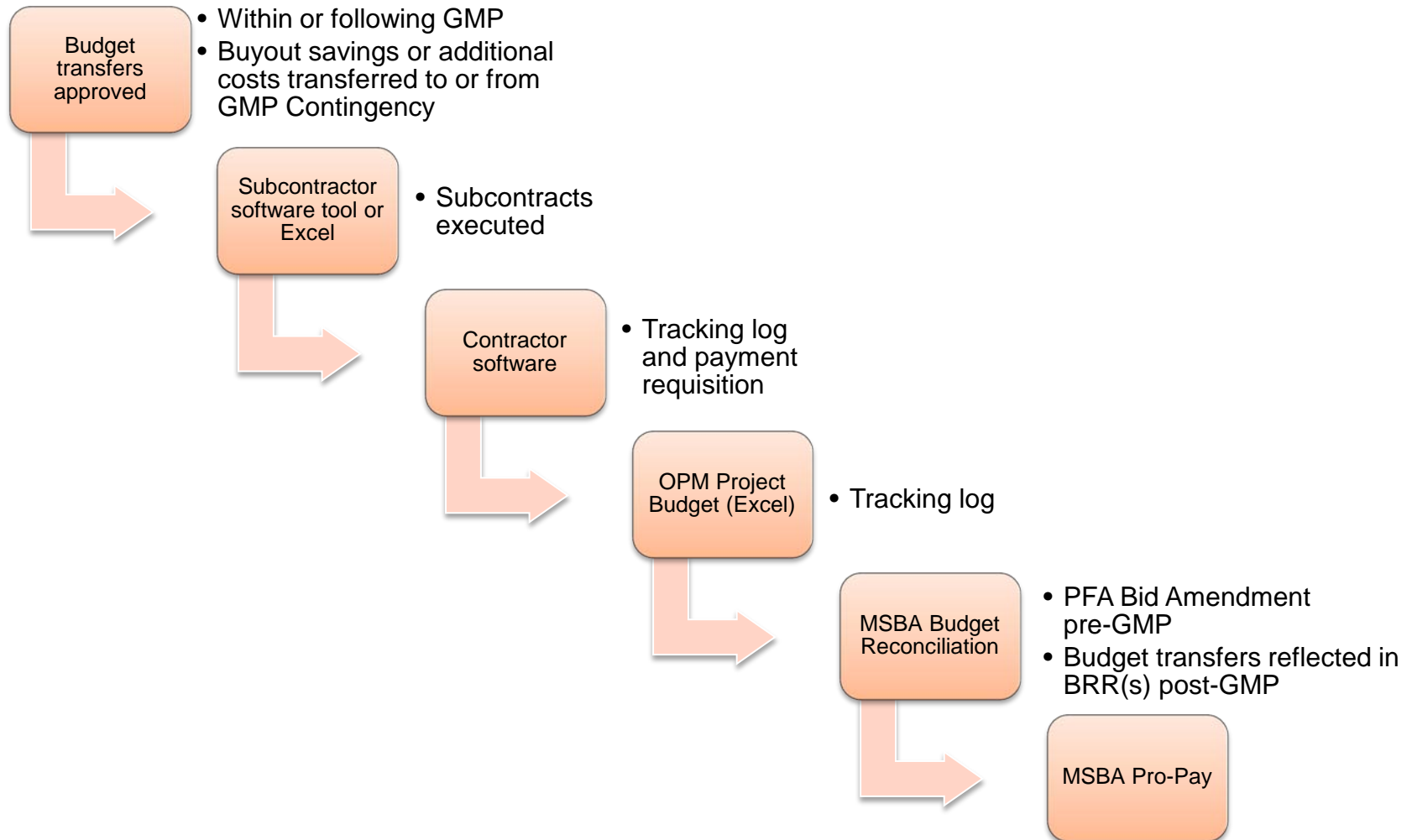


Process Overview – Pay Requisitions



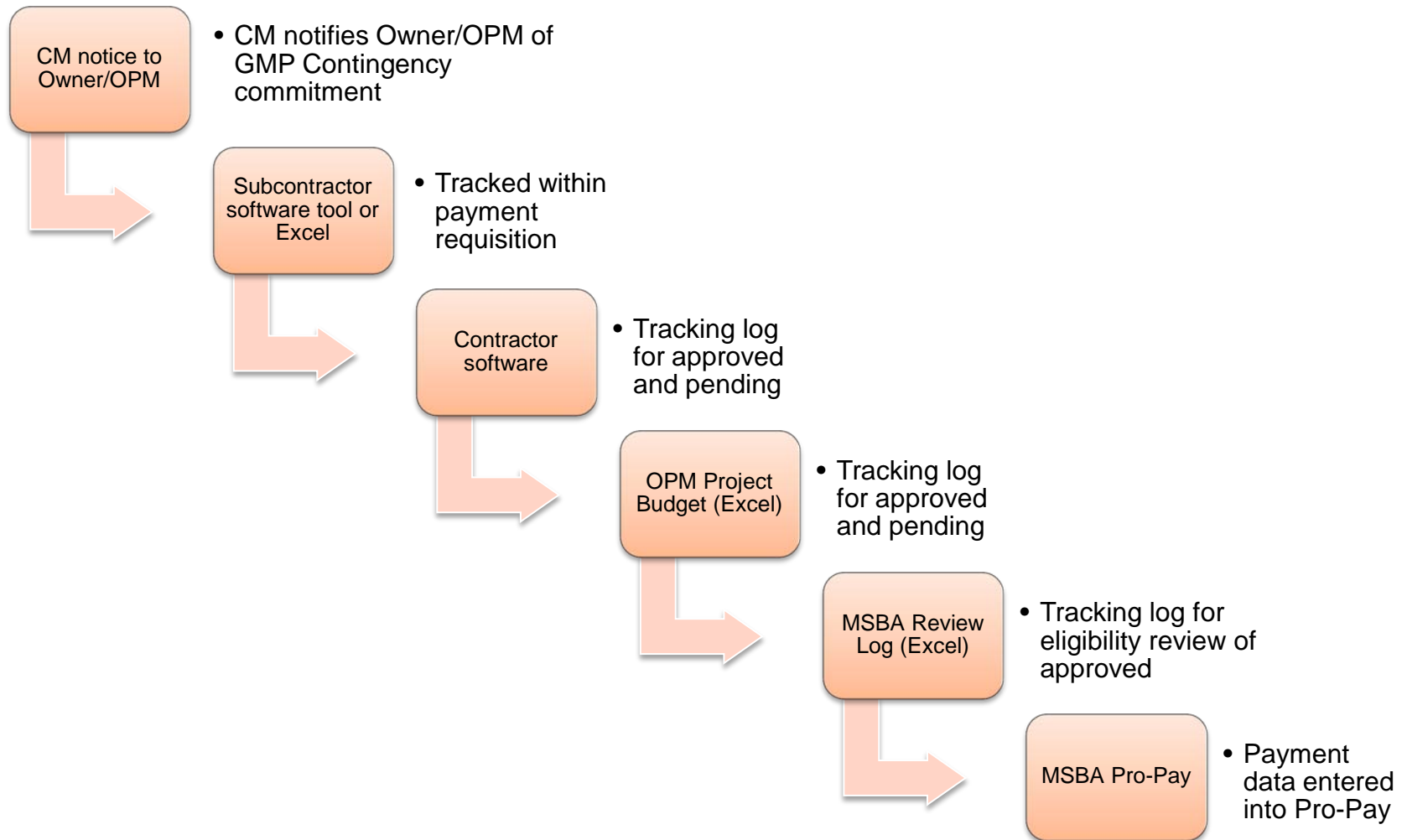


Process Overview – Buyout



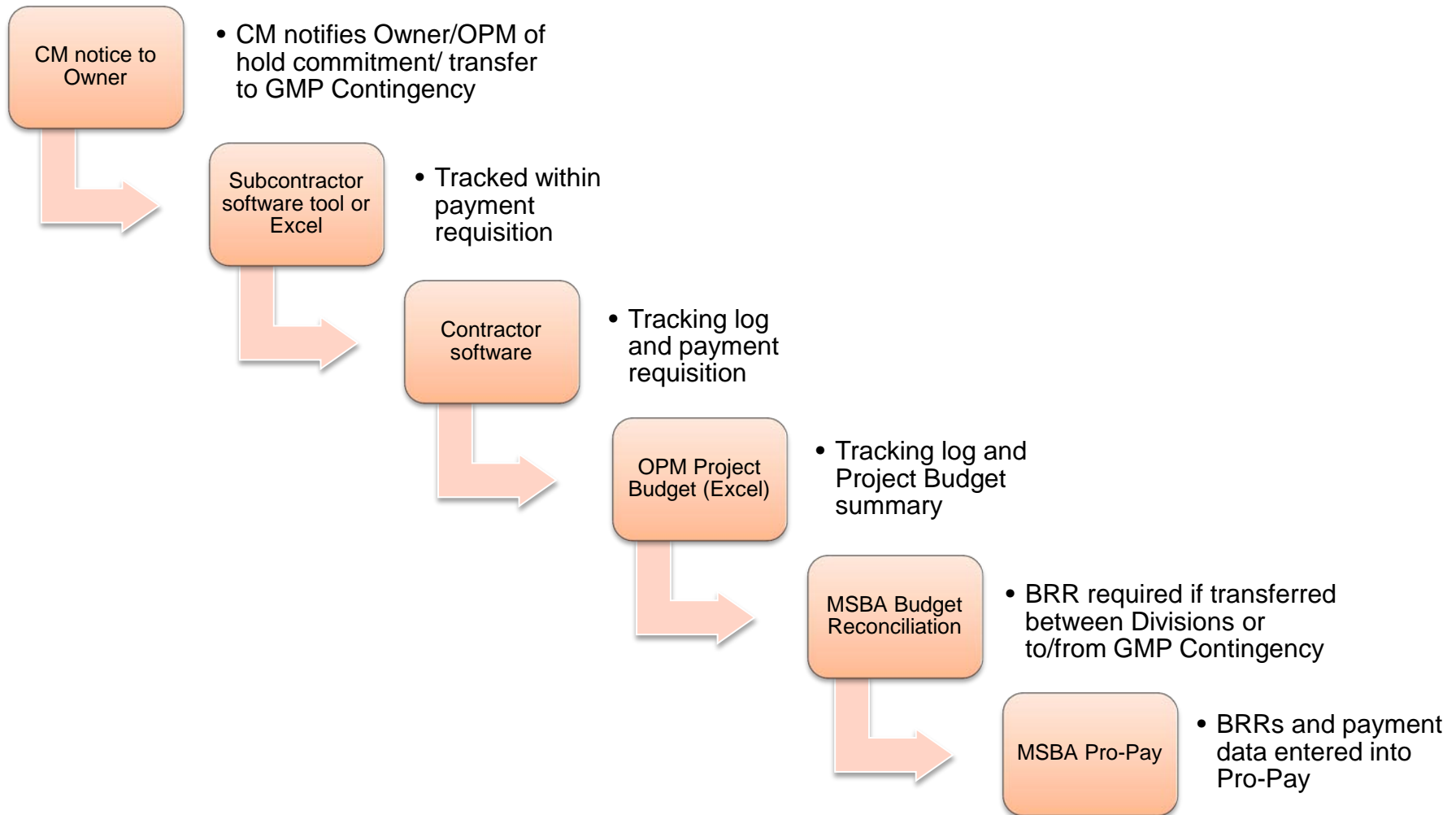


Process Overview – GMP Contingency



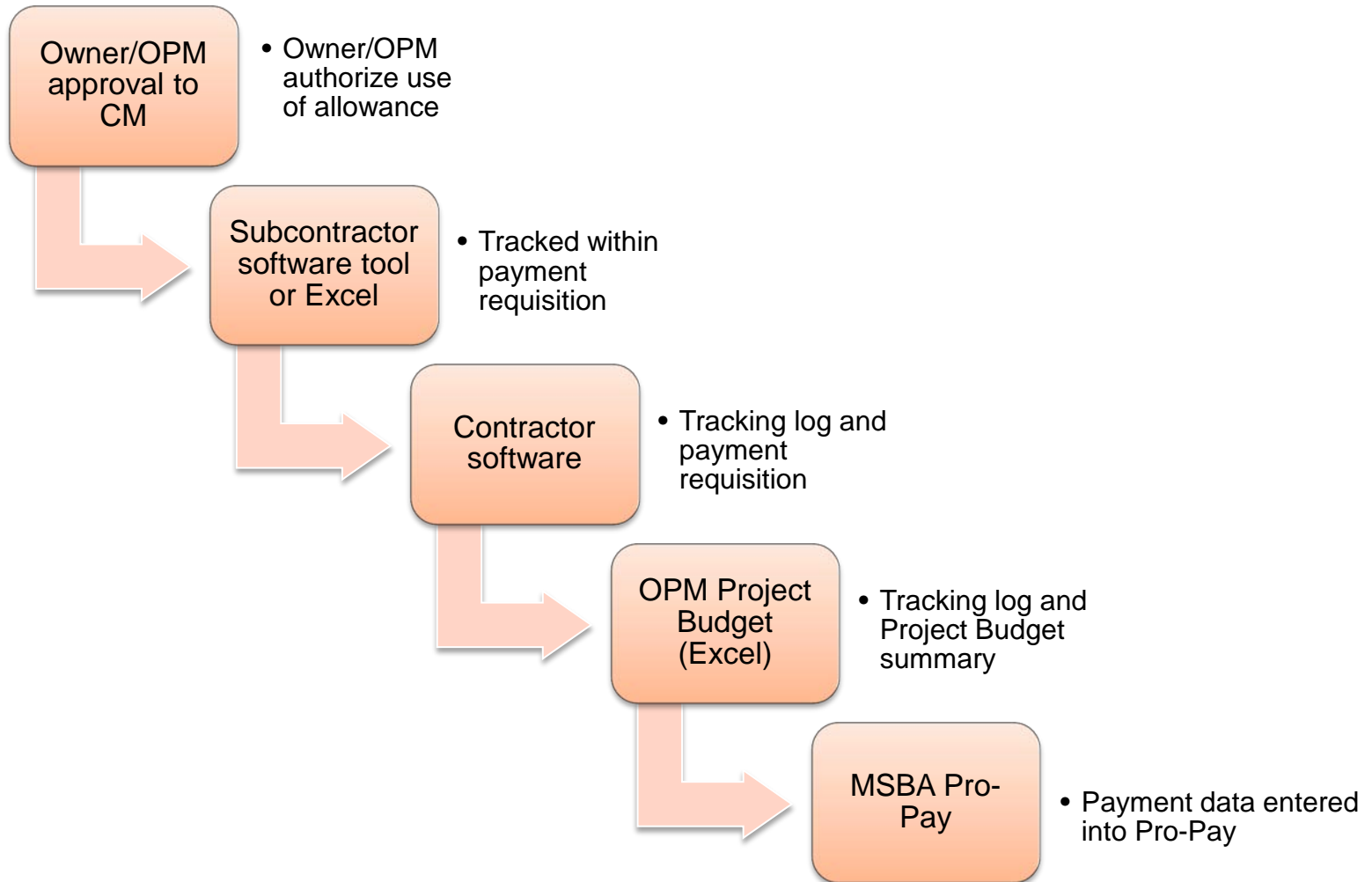


Process Overview – Holds



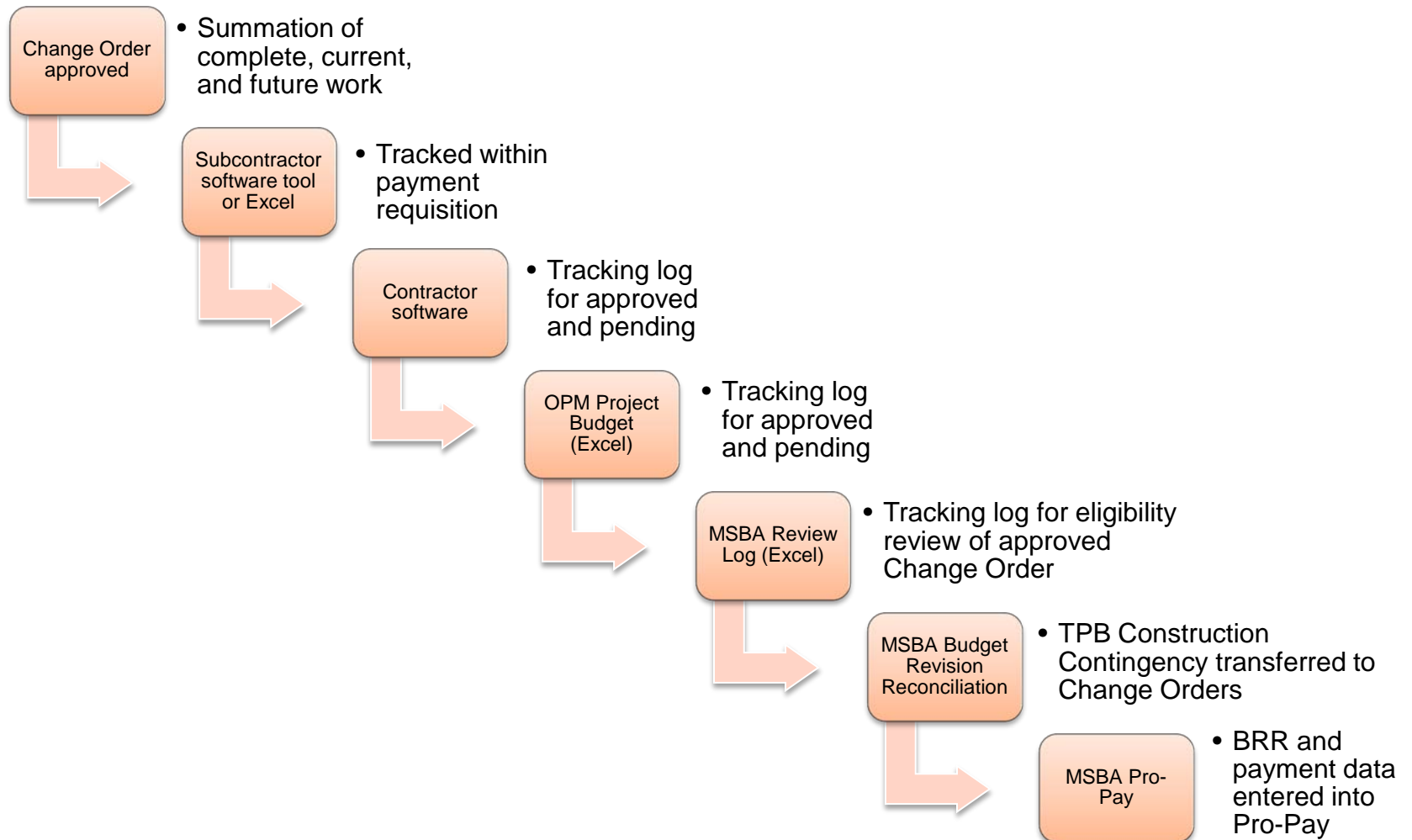


Process Overview – Allowances





Process Overview – Change Order



CM Payment Requisition Formatting

Turner (MSBA Project)

CONTINUATION SHEET

AIA DOCUMENT G703

PAGE 7 OF 9 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.
 In tabulations below, amounts are stated to the nearest dollar.
 Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 19
 APPLICATION DATE: 08/31/14
 PERIOD TO: 08/31/14
 ARCHITECT'S PROJECT NO:

A1 SPEC SECTION	A2 PACKAGE	A3 MSBA CODE	B DESCRIPTION OF WORK SUBCONTRACTOR NAME	C SCHEDULED VALUE	C1 OWNER AIA CHANGE ORDERS	C2 JOB/SITE TRANSFERS	C3 REVISED TOTAL ADJUSTED SCHEDULED VALUE	D WORK COMPLETED FROM PREVIOUS APPLICATION (D+E)	E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D.O.R.)	F2 OWNER GDR BILLED BY SUBCONTRACTOR CURRENTLY FYI ONLY	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	H BALANCE TO FINISH (C-G)	I RETAINAGE (IF VARIABLE RATE)	J CHANGE IN RETAINAGE
11 116620	SPECIALIZED ATHLETIC EQUIPMENT		Concord-Carliste High School Buildings A, B & D ATHLETIC EQUIPMENT less Gym SUB WORK: TCCo Labor and Materials	\$178,642.00	\$0.00	\$97,773.00	\$276,415.00 \$140,642.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	0% 0%	\$276,415.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
12 126100	FURNISHING FIXED AUDIENCE SEATING		FIXED AUDIENCE SEATING less Gym SUB WORK: HIGHLAND SEATING TCCo Labor and Materials	\$130,310.00	(\$15,820.00)	\$0.00	\$114,490.00 \$125,310.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	0% 0%	\$114,490.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
14 140001	ELEVATORS INSTALLATION		ELEVATORS SUB WORK: DELTA BECKWITH ELEVATOR CO. TCCo Labor and Materials	\$487,000.00	\$0.00	(\$11,600.00)	\$475,400.00 \$612,800.00	\$319,702.61 \$319,702.61	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$319,702.61 \$319,702.61	67% 52%	\$155,697.39 \$15,985.13	\$15,985.13 \$0.00	\$0.00 \$0.00
21 210000	MECHANICAL FIRE PROTECTION	0602-2100	FIRE PROTECTION less Gym Alternate SUB WORK: RUSTIC FIRE PROTECTION TCCo Labor and Materials	\$80,000.00	\$0.00	\$0.00	\$80,000.00 \$84.66	\$61,493.50 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$61,493.50 \$0.00	77% 79%	\$18,506.50 \$30,701.91	\$30,701.91 \$3,074.68	\$3,074.68 \$0.00
22 220000	MECHANICAL PLUMBING	0602-2200	PLUMBING less Gym Alternate SUB WORK: E. AMANTI & SONS, INC TCCo Labor and Materials	\$2,791,195.00	\$21,395.00	(\$8,395.00)	\$2,813,000.00 \$2,767,630.00	\$2,317,370.89 \$1,660.60	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$2,317,370.89 \$1,660.60	82% 84%	\$495,637.11 \$115,785.51	\$115,869.54 \$3,293.30	\$7,293.30 \$0.00
23 230000	MECHANICAL HVAC	0602-2300	HVAC less Gym Alternate SUB WORK: GENERAL MECHANICAL CONTRACTORS TCCo Labor and Materials	\$7,825,423.00	\$28,673.00	\$18,594.00	\$7,872,690.00 \$7,673,423.00	\$7,107,584.22 \$7,107,584.22	\$195,801.75 \$192,336.85	\$0.00 \$0.00	\$0.00 \$0.00	\$7,303,385.97 \$7,299,921.07	93% 93%	\$569,304.03 \$173.25	\$365,169.30 \$173.25	\$9,799.09 \$9,616.84
TOTALS: Page 7				\$12,230,185.00	\$40,831.00	\$80,632.00	\$12,351,648.00	\$10,151,336.37	\$403,161.25	\$0.00	\$0.00	\$10,554,497.62	85%	\$1,797,159.38	\$527,724.88	\$20,158.97

Exhibit: A-1

Current value of subcontract including SCOs

Total work completed to date by subcontractor

Total Balance to Finish in this Division including subcontract, holds, and allowances

CM Payment Requisition Formatting

■ Shawmut (Non-MSBA Project)

Shawmut Woodworking and Supply

CONTINUATION SHEET	AIA DOCUMENT G703	PAGE: 9
AIA DOCUMENT G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.		APPLICATION NUMBER : 32
In tabulation below, amounts are stated to the nearest cent.		APPLICATION DATE : 11/21/2014
Use Column I on Contracts where variable retainage for line items may apply.		PERIOD TO : 10/31/2014
		INVOICE NO 110714023
		PROJECT NO : 110714

A ITEM NO.	B DESCRIPTION OF WORK	C ORIGINAL SOV	D SOV CHANGES	E SCHEDULED VALUE	F G WORK COMPLETED (F+G)		H MATERIAL PRESENTLY STORED	I TOTAL COMPLETED AND STORED TO DATE	PER-% (I/E)	J BALANCE TO FINISH	THIS PERIOD RETAINAGE	K RETAINAGE
					FROM PREVIOUS APPLICATION	THIS PERIOD						
009	STRUCTURAL STEEL											
023	Structural Steel - Canatal											
051000.01.S	Industries Canatal Inc Subcontract	3,895,000.00	1,812,072.37	5,507,072.37	5,504,852.16	0.00	0.00	5,504,852.16	100	2,220.21	0.00	275,242.61
238	Scope Holds	995,747.00	-995,747.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
239A	Dunnage for Rooftop Equipment	103,000.00	-103,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
239B	MEP Coordination (Allowance)	35,000.00	-35,000.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
239C	Conformed Set	125,434.00	-125,434.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
258	Subguard	50,173.00	15,944.47	65,817.47	65,817.47	0.00	0.00	65,817.47	100	0.00	0.00	0.00
	<i>Structural Steel - Canatal Total:</i>	<i>5,204,354.00</i>	<i>366,535.84</i>	<i>5,572,889.84</i>	<i>5,570,669.63</i>	<i>0.00</i>	<i>0.00</i>	<i>5,570,669.63</i>	<i>100</i>	<i>2,220.21</i>	<i>0.00</i>	<i>275,242.61</i>
	STRUCTURAL STEEL Total:	5,868,125.00	375,976.59	6,244,101.59	6,240,582.38	0.00	0.00	6,240,582.38	100	3,519.21	0.00	308,340.21
010	MISC. METALS											
055000.01.S	Berlin Steel Construction Subcontract	1,300,000.00	44,561.00	1,344,561.00	1,324,408.85	0.00	0.00	1,324,408.85	99	20,152.15	0.00	66,220.44
055000.02.H	Misc Metals - Holds	101,025.00	-101,025.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
258	Subguard	16,812.00	-1,803.27	15,208.73	15,208.73	0.00	0.00	15,208.73	100	0.00	0.00	0.00
	<i>Total:</i>	<i>1,417,837.00</i>	<i>-58,067.27</i>	<i>1,359,769.73</i>	<i>1,339,617.58</i>	<i>0.00</i>	<i>0.00</i>	<i>1,339,617.58</i>	<i>99</i>	<i>20,152.15</i>	<i>0.00</i>	<i>66,220.44</i>
	MISC. METALS Total:	1,417,837.00	-58,067.27	1,359,769.73	1,339,617.58	0.00	0.00	1,339,617.58	99	20,152.15	0.00	66,220.44
012	CAST IRON RESTORATION											
057000.01.S	DeAngelis Iron Subcontract	96,825.00	6,240.00	102,865.00	102,865.00	0.00	0.00	102,865.00	100	0.00	0.00	5,143.25
057000.02.H	Cast Iron Restoration Holds	42,500.00	-42,500.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00

Allowance identified

All items identified to match sum

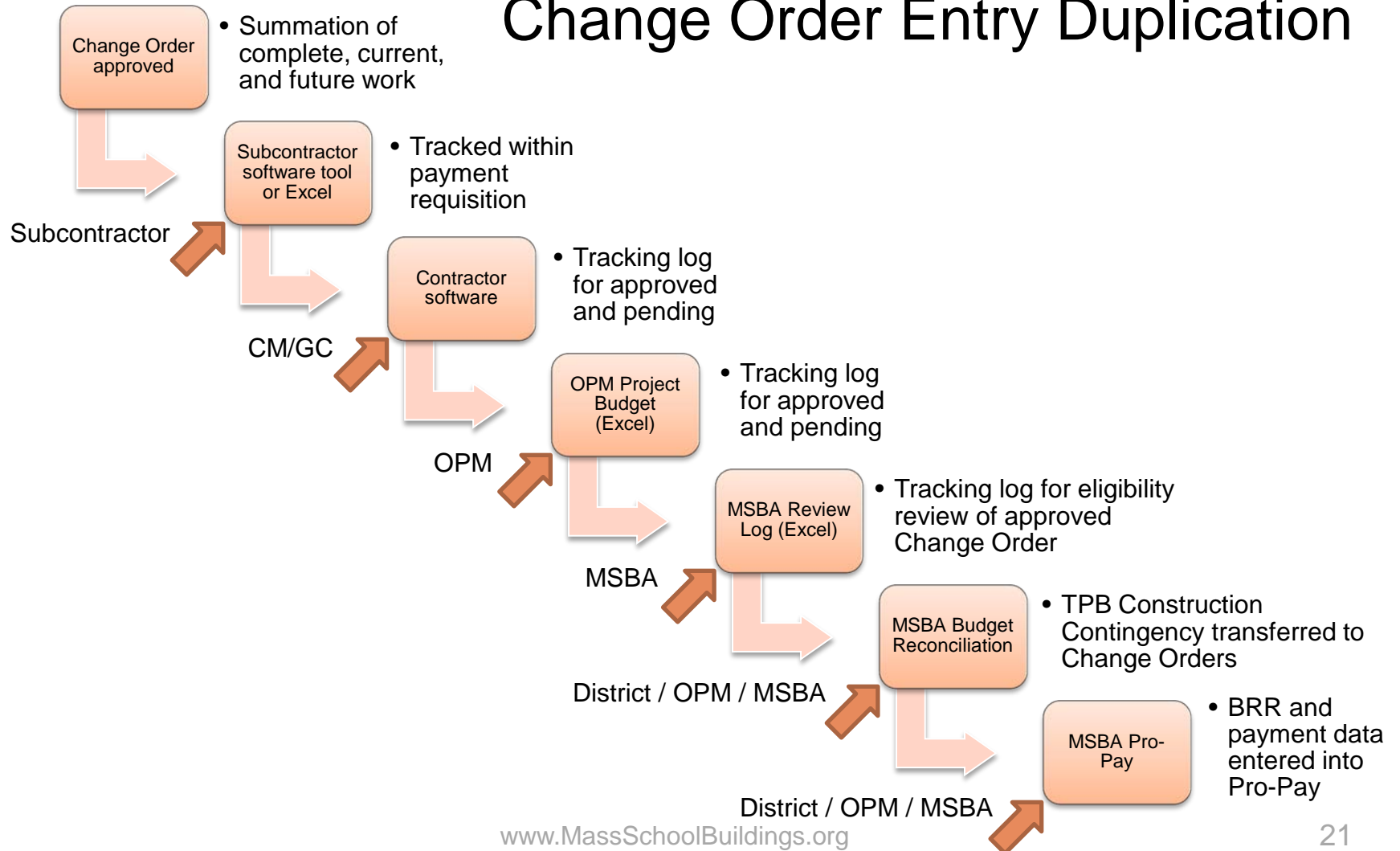
Hold identified

Exhibit: A-2



Possible Standardization

Change Order Entry Duplication



CM-OPM Change Order Tracking

KVA / Turner

Exhibit:
A-1

B-2

B-3

B-4

CONTINUATION SHEET

CONCORD CARLISLE HIGH SCHOOL PROJECT

LINE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	AMOUNT	DATE	STATUS
11	LABOR AND MATERIALS							
12	...							
13	...							
14	...							
15	...							
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Original GMP Division amount
Total Owner Change Orders for

MEMO

From: Jim Laddick
Date: April 16, 2014

To: Brian Dakin-KVA
David Sanderson-KVA

Financial Overview

Brian/David:
See attached reports for discussion and call me with any questions:

AAC Status Report
We have utilized \$15,025 of AAC funds to date (10%). Per past discussions we have no from the Structural Steel and Concrete sections to other sections including masonry, curb panels, spray waterproofing, ceramic tile, resilient flooring, and tilework where we felt we to

CM Construction Contingency Status Report
This report indicates committed and projected contingency expenses. We are currently a costs of \$16,042 from approved COs. In addition we are tracking the following items (5) for contingency use:

- VE Shortfall: The final value of the Value Engineering projects a shortfall of \$11,000,000.

CHANGE ORDER LOG

CO #	REQ #	CO#	Decision	Item Requested	Contractor	Quantity	Unit Price	Amount	Comments
01	01	01	Door #1 And Carillon exact hardware					\$180	Amount used for and general help of 1 by the door.
02	02	02	Door Threshold at Classroom Doors					(K)19	Detail of door hardware at classroom doors to include a stainless steel bridge to apply.
03	03	03	Door Hardware for the Loading Bridge					\$292	Overrun to include the Ceramic Tilework.
04	04	04	Grade to Level Center					0	Increased quantity of pipe/bolts/anchors to support steel beam.
05	05	05	Revised Hazardous Material Specifications					\$48,333	

PROJECT #10185 CONCORD-CARLISLE REGIONAL HIGH SCHOOL CONCORD, MA 01742

Date: April 9, 2014

To: Turner Construction Co.
2 Seaport Lane
Boston, MA 02210

Architect's Project Contract Date: Contract Number: Change Order Number:

The Contract is hereby revised as outlined below:

COR	DESCRIPTION
COR-023	Field Bulletin 023/23.1 - Door & Wall Clarifications around Auditorium
COR-032	Field Bulletin 032 - Delete Thresholds at Classroom Doors
COR-037	Field Bulletin 037 - Added Kick Plate at Loading Bridge
COR-038	Ceramic Tile Buyout Overrun per RTA-23R1 (Contingency Transfer)
COR-042	Field Bulletin 058 - Revised Hazardous Material Specifications
COR-043	GMP -

TOTAL

The original Contract Sum of Changes
The Contract Value
The new Contract Value
The revised Sub

Pay Req.

- Change Orders Isolated from Construction Budget by Column

CM Financial Summary

- Identifies PCO, COR and CO status

OPM CO Log

- COR Reference
- CO detail

CO Detail

- COR Reference
- CM and Sub Invoice
- Sub T+M Slip

Concord Carlisle High School



CM-OPM Change Order Tracking

Strategic Building Solutions / CTA

Exhibit:
C-1

C-2

C-3

C-4

CONSTRUCTION BUDGET

LINE NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	AMOUNT ALLOCATED TO THIS PROJECT	AMOUNT AVAILABLE TO THIS PROJECT
010	General Contract Area - East of B. Hwy. & North of E. Hwy.	1	SQ. FT.	3,300	\$3,300	\$3,300	\$3,300
020	General Contract Area - East of B. Hwy.	1	SQ. FT.	1,000	\$1,000	\$1,000	\$1,000
030	General Contract Area - East of B. Hwy.	1	SQ. FT.	10,000	\$10,000	\$10,000	\$10,000
040	General Contract Area - East of B. Hwy. & North of E. Hwy.	1	SQ. FT.	10,000	\$10,000	\$10,000	\$10,000
Original Base Contract Totals					\$30,640,000	\$11,815,000	\$1,997,000

ASSALET VALLEY REGIONAL SCHOOL DISTRICT
Regional Voc Tech High School
Financial Status Report - July 26, 2014
Budget Fiscal Control Log

APPROVAL DATE	APPROVAL TITLE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT	APPROVED AMOUNT	INVESTMENT AGREEMENT	INVESTMENT DATE	INVESTMENT AMOUNT	REMAINING BUDGET	PERCENTAGE USED
07/23/14	010	1	07/23/14	3,300	3,300	0	07/23/14	3,300	26,340,000	87.0%
07/23/14	020	1	07/23/14	1,000	1,000	0	07/23/14	4,300	25,340,000	83.2%
07/23/14	030	1	07/23/14	10,000	10,000	0	07/23/14	14,300	15,340,000	48.5%
07/23/14	040	1	07/23/14	10,000	10,000	0	07/23/14	24,300	6,040,000	18.1%

Regional Voc Tech High School
Change Order Status Report
As of 7/23/2014

LINE	DESCRIPTION	STATUS	PROPOSED CHANGE	APPROVED CHANGE	BUDGET CHANGES	INVESTMENT DATE	ESTIMATED COST	AMOUNT AVAILABLE	PERCENTAGE USED
1	Change Order to increase scope of work...	Approved	X			07/23/14	36,640.00	11,815.00	32.2%
2	Change Order to increase scope of work...	Approved	X			07/23/14	(20,000.00)	11,815.00	32.2%
3	Change Order to increase scope of work...	Approved	X			07/23/14	800.00	11,815.00	32.2%
4	Change Order to increase scope of work...	Approved	X			07/23/14	12,000.00	11,815.00	32.2%
5	Change Order to increase scope of work...	Approved	X			07/23/14	2,000.00	11,815.00	32.2%

CHANGE ORDER

PROJECT: Assabet Valley Regional Technical High School
215 Fishbough Street
Methuen, MA 01752

CTA
142 Main Street - Suite 204
Waltham, MA 02451-1621

CHANGE ORDER NUMBER: 4
INITIATION DATE: 12-16-14
ARCHITECT'S PROJECT NO: 1008
CONTRACT DATE: 4/5/2013

You are directed to make the following changes in this Contract:

Number	Date	Revised	Title	Amount
PCO #0001	8/1/2013		Electrical utility Backlog/Log	\$24,961.00
PCO #0009	9/24/2013		Temporary Generator	\$5,263.54
PCO #0011	10/1/2013		Request Existing Electrical/Boiler Room	\$5,506.61
PCO #0022	10/14/2013		Single Area Utility Work	\$3,209.45
PCO #0023	10/14/2013		Request to Existing Fire Alarm	\$4,800.00
PCO #0041	10/14/2014			\$3,900.00
PCO #0025	10/14/2013			\$3,900.00
PCO #0039	12/23/2013			\$3,900.00
PCO #0048	1/7/2014			\$3,900.00
PCO #045	1/7/2014			\$3,900.00

Pay Req.

- Change Orders Isolated from Construction Budget
- PCO Reference

OPM Financial Status Report

- Schedule of Values tracking
- Tabs for each ProPay code

Contingency Status Report

- PCO Reference
- Work Description
- CO Reference
- Cost and Status

CO Detail

- PCO Reference
- CM and Sub Invoice
- Sub T+M Slip

Assabet Valley Regional Voc/Tech High School

CM-OPM Change Order Tracking

Joslin, Lesser + Associates, Inc. / Gilbane

Exhibit:
D-1

CONTINUATION SHEET
APPLICATION AND CERTIFICATE FOR PAYMENT containing Contractor's signed Certification is attached. In tabulations below, amounts are stated in the nearest dollar. See Current Cost Contracts when variable rate charge for line items may apply.

LINE NO.	PROF/NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED PREVIOUS APPLICATIONS	THIS PERIOD	MATERIAL STOP
Trade Contractors						
1	0001-0200	Systematic Demolition/Abatement	175,000.00	175,000.00	-	-
	0001-0200	Systematic Demolition/Abatement (CA-0001)	175,000.00	175,000.00	-	-
		Subtotal	175,000.00	175,000.00	-	-
2	0001-0200	Soiling Surface Demolition & Abatement	2,000,000.00	200,000.00	-	-
3	0001-0200	Crack/Floor Concrete Catches Temporary Hearing CA-0007	2,000,000.00	188,000.00	-	-
		Subtotal	2,000,000.00	200,000.00	-	-
4	0001-0400	Plumbing	6,071,700.00	3,045,350.00	170,100.00	-
5	0001-0500	Structural Steel	4,546,000.00	4,538,240.00	-	-
		Subtotal	4,546,000.00	4,538,240.00	-	-
6	0001-0800	Misc Iron	1,190,000.00	798,370.40	-	-
7	0001-0700	Sign Fabricating	307,000.00	278,500.00	-	-

Schedule of Values

- Change Orders Outside Construction Budget
- Subcontractor OS Numbers and costs Identified

D-2

Subcontractor Tabs

Subcontractor	OS#	OS Description	Amount
Subcontractor 1	0001-0200	Systematic Demolition/Abatement	175,000.00
Subcontractor 2	0001-0200	Soiling Surface Demolition & Abatement	2,000,000.00
Subcontractor 3	0001-0200	Crack/Floor Concrete Catches Temporary Hearing	2,000,000.00
Subcontractor 4	0001-0400	Plumbing	6,071,700.00
Subcontractor 5	0001-0500	Structural Steel	4,546,000.00
Subcontractor 6	0001-0800	Misc Iron	1,190,000.00
Subcontractor 7	0001-0700	Sign Fabricating	307,000.00

Subcontractor Tabs

- Sub Contract Amount
- Individual Changes, OS, Number and Status

D-3

Owner Change Order (OCO)

Gilbane

Project Name: Wilmington High School
 Owner: Town of Wilmington
 Address: 121 Glen Road
 Address: Wilmington, MA 01897 US
 Architect: Dore & Whitler Architects, Inc., Jon Richardson

Attention: _____ Date Issued: 12/13/2013 11:37:39 AM

The Contract changes as follows:
 Scope Of Changes: Owner Change Order 0004

Description: _____

Attachments:
 Number: 00032083
 00032072
 00032085
 00032088

CO Detail

- OS Reference
- CM and Sub Invoice
- Sub T+M Slip

Wilmington High School



Guiding Principles

- Contract language is specific to each project
- Review of reimbursement requests
 - Schedule of Values
 - Buyout process
 - Holds
 - Allowances
 - Change Orders
- Closeout for audit
 - Credit Change Orders & Contract Amendments
 - Uncommitted allowances
 - Final Guaranteed Maximum Price
 - Credit Change Order or GMP Amendment
 - MSBA budget reconciliation in Pro-Pay

Massachusetts School Building Authority

Steven Grossman
Chairman, State Treasurer

John K. McCarthy
Executive Director



Questions

Caulen Finch

Caulen.Finch@MassSchoolBuildings.org

or

Mike McGurl

Michael.McGurl@MassSchoolBuildings.org