November 26, 2018

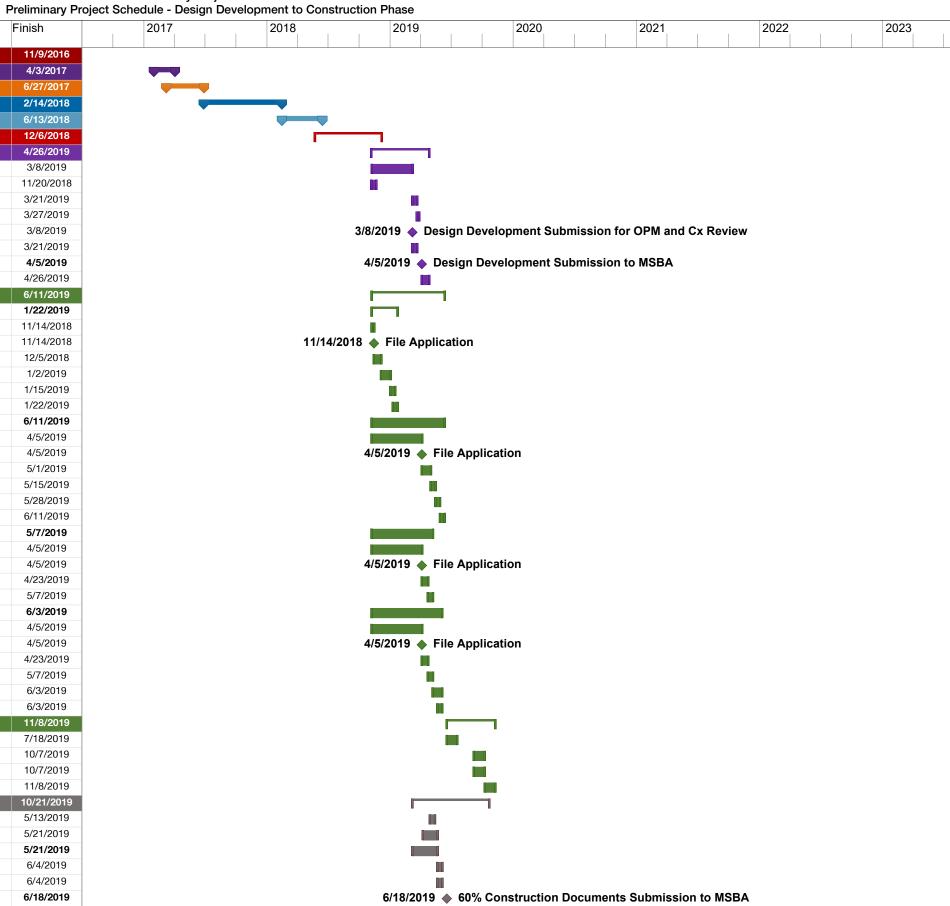
W. Edward Balmer Elementary School Feasibility Study

PROJECT MANAGEMENT

SMMA

Preliminary Project Schedule

_			I=	Preliminary F
D	Task Name	Duration	Start	Finish
1	MSBA PREREQUISITES	431 days	3/9/2015	11/9/2016
4	RETAIN OPM	45 days	1/30/2017	4/3/2017
10	RETAIN DESIGNER	80 days	3/8/2017	6/27/2017
20	FEASIBILITY STUDY (FS)	161 days	6/27/2017	2/14/2018
35	SCHEMATIC DESIGN (SD)	86 days	2/14/2018	6/13/2018
42	PROJECT SCOPE AND BUDGET	139 days	5/23/2018	12/6/2018
49	DESIGN DEVELOPMENT	121 days	11/6/2018	4/26/2019
50	Develop Design Development Documents to Estimator	84 days	11/8/2018	3/8/2019
51	LEED-S Registration	11 days	11/6/2018	11/20/2018
52	Design Development Cost Estimate	10 days	3/8/2019	3/21/2019
53	Value Engineering	5 days	3/21/2019	3/27/2019
54	Design Development Submission for OPM and Cx Review	0 days	3/8/2019	3/8/2019
55	OPM and Cx Review	10 days	3/8/2019	3/21/2019
56	Design Development Submission to MSBA	0 days	4/5/2019	4/5/2019
57	MSBA Comments	16 days	4/5/2019	4/26/2019
58	SITE PERMITTING	152 days	11/7/2018	6/11/2019
59	Northbridge Conservation Commission - ANRAD	52 days	11/7/2018	1/22/2019
60	Prepare Application Documents	6 days	11/7/2018	11/14/2018
61	File Application	0 days	11/14/2018	11/14/2018
62	Hearings	15 days	11/14/2018	12/5/2018
63	Conservation Commission Decision	19 days	12/5/2018	1/2/2019
64	Appeal Period	10 days	1/2/2019	1/15/2019
65	File at Registry	10 days	1/9/2019	1/22/2019
66	Northbridge Conservation Commission - NOI	152 days	11/7/2018	6/11/2019
67	Prepare Application Documents	105 days	11/7/2018	4/5/2019
68	File Application	0 days	4/5/2019	4/5/2019
69	Hearings	19 days	4/5/2019	5/1/2019
70	Conservation Commission Issue Order of Conditions	11 days	5/1/2019	5/15/2019
71	Appeal Period	10 days	5/15/2019	5/28/2019
72	File at Registry	10 days	5/29/2019	6/11/2019
73	Northbridge Planning Board - Site Plan Approval	127 days	11/7/2018	5/7/2019
74	Prepare Application Documents	105 days	11/7/2018	4/5/2019
75	File Application	0 days	4/5/2019	4/5/2019
76	Hearings	13 days	4/5/2019	4/23/2019
77	Planning Board Issues Site Plan Approval	11 days	4/23/2019	5/7/2019
78	Northbridge Planning Board Special Permit - Parking and Loading Waiver	146 days	11/7/2018	6/3/2019
79	Prepare Application Documents	105 days	11/7/2018	4/5/2019
80	File Application	0 days	4/5/2019	4/5/2019
81	Hearings	13 days	4/5/2019	4/23/2019
82	Planning Board Decision	11 days	4/23/2019	5/7/2019
83	Appeal Period	20 days	5/7/2019	6/3/2019
84	File at Registry	10 days	5/21/2019	6/3/2019
85	BUILDING PERMITTING	102 days	6/18/2019	11/8/2019
86	Site Enabling and Preparation Package Permit	22 days	6/18/2019	7/18/2019
87	Foundation Permit	22 days	9/6/2019	10/7/2019
88	Structure Permit	22 days	9/6/2019	10/7/2019
89	Building Permit	23 days	10/9/2019	11/8/2019
90	CONSTRUCTION DOCUMENTS	160 days	3/8/2019	10/21/2019
91	Incorporate MSBA DD Comments	11 days	4/29/2019	5/13/2019
92	Develop 60% Contract Documents to Estimator	32 days	4/8/2019	5/21/2019
93	Early Site Enabling, and Preparation Package No. 1	53 days	3/8/2019	5/21/2019
94	OPM and Cx Review	11 days	5/21/2019	6/4/2019
95	60% Construction Documents Cost Estimate	11 days	5/21/2019	6/4/2019
96	60% Construction Documents Submission to MSBA	0 days	6/18/2019	6/18/2019



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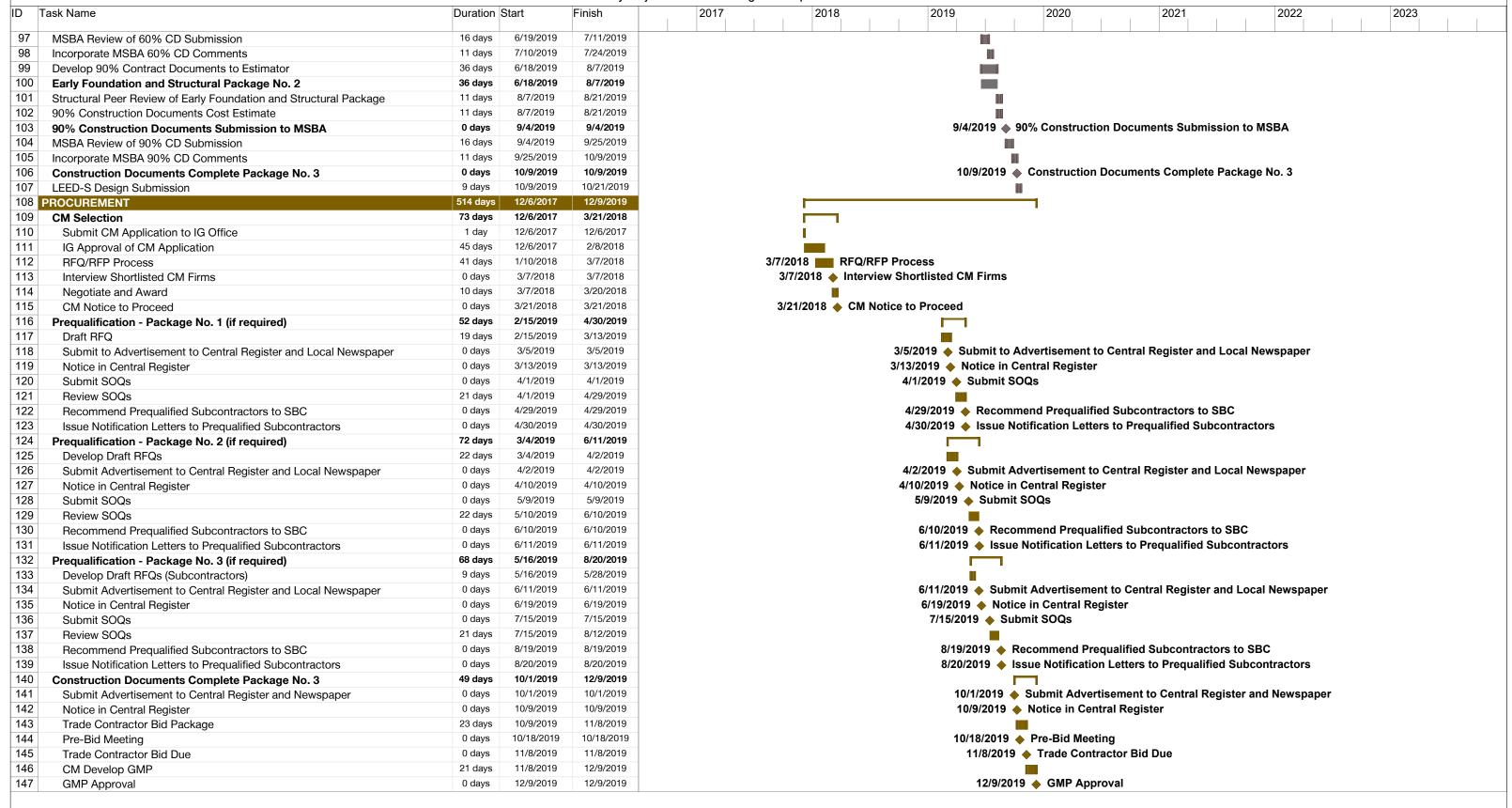
W. Edward Balmer Elementary School Feasibility Study

PROJECT MANAGEMENT

SMMA

Preliminary Project Schedule

Preliminary Project Schedule - Design Development to Construction Phase



November 26, 2018

168

169

170

Closeout

Final Completion

LEED-S Construction Submission

Substantial Completion - Phase 3 "Demolition and Site Work"

W. Edward Balmer Elementary School Feasibility Study

Feasibility Study
Preliminary Project Schedule

PROJECT MANAGEMENT SMVA

12/20/2021 ♦ Substantial Completion - Phase 3 "Demolit

Task Name	Preliminary Project Schedule - Design Development to Construction Phase											
Early Site Package No. 1	ID	Task Name	Duration Start		Finish	2017	2018	2019	2020	2021	2022	2023
150   CM Bid Early Site Enabling and Preparation Package GMP   6 days   6/10/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/17/2019   6/24/2019   6/2	148	EARLY PACKAGES PROCUREMENT	77 days 5/21	/2019	9/9/2019							
151   Develop Early Site Enabling and Preparation Package GMP   6 days   6/10/2019   6/17/2019   6/	149	Early Site Package No. 1	24 days 5/21	/2019	6/24/2019							
152 Award Early Site Enabling and Preparation Package GMP 153 Early Foundation and Structural Package No. 2 25 days 87/2019 9/9/2019 154 CM Bid Early Foundation and Structure Package GMP 155 Develop Early Foundation and Structure Package GMP 156 Award Early Foundation and Structure Package GMP 157 CONSTRUCTION 158 Notice to Proceed 159 Site Mobilization 150 Substantial Completion - Phase 1 "Enabling Work" 151 Completion - Phase 2 "Building Construction" 151 Completion, Closeout and Commissioning 152 Award Early Site Enabling and Preparation Package GMP 153 Early Foundation and Structural Package No. 2 154 CM Bid Early Foundation and Structure Package GMP 155 Develop Early Foundation and Structure Package GMP 156 Award Early Foundation and Structure Package GMP 157 CONSTRUCTION 158 Notice to Proceed 159 Site Mobilization 160 Substantial Completion - Phase 1 "Enabling Work" 161 Substantial Completion - Phase 2 "Building Construction" 161 Substantial Completion - Phase 2 "Building Construction" 162 Final Completion, Closeout and Commissioning 163 FEF/Technology Installation 164 Teacher/Staff Move-In 165 Occupancy 165 Occupancy 166 Occupancy 167 Occupancy 168 Size Mobilization 169 Award Early Site Enabling and Preparation Package GMP 169 9/9/2019 Award Early Site Enabling and Preparation Package GMP 169 9/9/2019 Package No. 2 169 9/9/2019 Award Early Site Enabling and Preparation Package ON. 2 160 Substantial Completion and Structural Package No. 2 160 Substantial Completion and Structural Package No. 2 161 Substantial Completion - Phase 1 "Enabling Work" 162 Final Completion - Phase 2 "Building Construction" 163 FEF/Technology Installation 164 Teacher/Staff Move-In 165 Occupancy 165 Occupancy 166 Occupancy 167 Occupancy 167 Occupancy 167 Occupancy 167 Occupancy 168 Occupancy 169 Occupancy 169 Occupancy 1723/2019 Award Early Site Enabling and Preparation Package No. 2 169 Occupancy 1724/2019 Award Early Site Enabling and Preparation Package On. 2 1724/2019 Award Early Site Enabling and Preparation Package On. 2 17	150	CM Bid Early Site Enabling and Preparation Package	15 days 5/21	/2019	6/10/2019							
153   Early Foundation and Structural Package No. 2   22 days   8/7/2019   9/9/2019   9/9/2019   Early Foundation and Structural Package No. 2   14 days   877/2019   8/26/2019   8/26/2019   155   Develop Early Foundation and Structure Package GMP   6 days   8/26/2019   9/9/2019   9/	151	Develop Early Site Enabling and Preparation Package GMP	6 days 6/10	)/2019	6/17/2019			6/17/2019 Devel	lop Early Site Enabling	and Preparation	n Package GMP	
154 CM Bid Early Foundation and Structure Package MP 155 Develop Early Foundation and Structure Package GMP 156 Award Early Foundation and Structure Package GMP 157 CONSTRUCTION 158 Notice to Proceed 159 Site Mobilization 160 Substantial Completion - Phase 1 "Enabling Work" 161 Substantial Completion - Phase 2 "Building Construction" 162 Final Completion, Closeout and Commissioning 163 FFE/Technology Installation 164 Teacher/Staff Move-In 165 Occupancy 184 days 8/30/2021 8/30/2021 185 Occupancy 186 Notice to Proceed 197/23/2019 ◆ Award Early Foundation and Structure Package GMP 19/9/2019 ◆ Award Early Foundation and Structure Package GMP 19/9/2019 ◆ Award Early Foundation and Structure Package GMP 19/9/2019 ◆ Award Early Foundation and Structure Package GMP 19/9/2019 ◆ Award Early Foundation and Structure Package GMP 17/23/2019 ◆ Notice to Proceed 187/23/2019 ◆ Site Mobilization 187/23/2019 ◆ Site Mobilization 188/26/2019 / 7/23/2019 187/23/2019 ◆ Substantial Completion - Phase 1 "Enabling Work" 188/2019	152	Award Early Site Enabling and Preparation Package GMP	0 days 6/24	1/2019	6/24/2019			6/24/2019 🔷 Awar	rd Early Site Enabling a	ind Preparation	Package GMP	
Develop Early Foundation and Structure Package GMP	153	Early Foundation and Structural Package No. 2	22 days 8/7/	/2019	9/9/2019			9/9/2019	Early Foundation and	Structural Pack	age No. 2	
Substantial Completion - Phase 1 "Enabling Work"   Substantial Completion - Phase 2 "Building Construction"   34 days 6/15/2021   6/15/	154	CM Bid Early Foundation and Structure Package	14 days 8/7/	/2019	8/26/2019							
157   CONSTRUCTION   665 days   7/23/2019   2/21/2022     158   Notice to Proceed   0 days   7/23/2019   7/23/2	155	Develop Early Foundation and Structure Package GMP	6 days 8/26	6/2019	9/3/2019							
158   Notice to Proceed   0 days   7/23/2019   7/23/2019   9/3/	156	Award Early Foundation and Structure Package GMP	0 days 9/9/	/2019	9/9/2019			9/9/2019 🔷	Award Early Foundation	n and Structure	Package GMP	
159         Site Mobilization         0 days         9/3/2019         9/3/2019           160         Substantial Completion - Phase 1 "Enabling Work"         0 days         11/27/2019         11/27/2019         Substantial Completion - Phase 1 "Enabling Work"           161         Substantial Completion - Phase 2 "Building Construction"         0 days         6/15/2021         6/15/2021         6/15/2021         6/15/2021         6/15/2021         6/15/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         7/30/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         6/15/2021         6/15/2021         7/30/2021         6/15/2021         6/15/2021         6/15/2021	157	CONSTRUCTION	665 days 7/23	3/2019	2/21/2022							
160 Substantial Completion - Phase 1 "Enabling Work"  161 Substantial Completion - Phase 2 "Building Construction"  162 Final Completion, Closeout and Commissioning  163 FFE/Technology Installation  164 Teacher/Staff Move-In  165 Occupancy  175 Odays  176 days  177 (30/2021	158	Notice to Proceed	0 days 7/23	3/2019	7/23/2019			7/23/2019 🔷 Not	tice to Proceed			
161       Substantial Completion - Phase 2 "Building Construction"       0 days       6/15/2021       6/15/2021       6/15/2021       6/15/2021       5 ubstantial Completion - Phase 2 "Building Construction"         162       Final Completion, Closeout and Commissioning       34 days       6/15/2021       7/30/2021         163       FFE/Technology Installation       34 days       6/15/2021       7/30/2021         164       Teacher/Staff Move-In       21 days       8/2/2021       8/30/2021         165       Occupancy       0 days       8/30/2021       8/30/2021	159	Site Mobilization	0 days 9/3/	/2019	9/3/2019			9/3/2019 🔷 🤄	Site Mobilization			
162       Final Completion, Closeout and Commissioning       34 days       6/15/2021       7/30/2021         163       FFE/Technology Installation       34 days       6/15/2021       7/30/2021         164       Teacher/Staff Move-In       21 days       8/2/2021       8/30/2021         165       Occupancy       0 days       8/30/2021       8/30/2021	160	Substantial Completion - Phase 1 "Enabling Work"	0 days 11/27	7/2019	11/27/2019			11/27/2019	9 🔷 Substantial Comp	letion - Phase 1	"Enabling Work"	
163       FFE/Technology Installation       34 days       6/15/2021       7/30/2021         164       Teacher/Staff Move-In       21 days       8/2/2021       8/30/2021         165       Occupancy       0 days       8/30/2021       8/30/2021	161	Substantial Completion - Phase 2 "Building Construction"	0 days 6/15	5/2021	6/15/2021					6/15/2021 🔷	<b>Substantial Comple</b>	etion - Phase 2 "Building Construct
164       Teacher/Staff Move-In       21 days       8/2/2021       8/30/2021         165       Occupancy       0 days       8/30/2021       8/30/2021	162	Final Completion, Closeout and Commissioning	34 days 6/15	5/2021	7/30/2021							
165 Occupancy 0 days 8/30/2021 ♦ Occupancy	163	FFE/Technology Installation	34 days 6/15	5/2021	7/30/2021							
	164	Teacher/Staff Move-In	21 days 8/2/	/2021	8/30/2021							
166 Demolish Existing School 66 days 7/3/2021 10/4/2021	165	Occupancy	0 days 8/30	)/2021	8/30/2021					8/30/202	1  Occupancy	
100 Demoisir Existing oction	166	Demolish Existing School	66 days 7/3/	/2021	10/4/2021							
Parking Lot and Playfield Construction 55 days 10/4/2021 12/20/2021	167	Parking Lot and Playfield Construction	55 days 10/4	1/2021	12/20/2021							

12/20/2021

2/21/2022

2/21/2022

2/21/2022

12/20/2021

12/20/2021

12/20/2021

12/20/2021

0 days

46 days

46 days

46 days