Capital PEC Report Project ID: 30061283²

Project Name CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERA

Industry Code 13 Pharmaceutical & Biotech Project Type Brownfield

TIV (USD) 75.000.000

SIC Code 2836 Biological Products, Except

Diagnostic Substances

Sector Final Formulation (Oral. Solid, Parenteral, Topical,

etc.)

SIC Product 2836*0035 Cellular and Gene Therapy Products

Status Active Last Update 06-Dec-2021 Initial Release 19-Jun-2020

Environmental Air (A) Water (W) Construction Labor Preference Union, Non-Unior

Operations Labor Preference Union

Existing Sq. Ft. 46,000 Sq. Ft.

Square Footage Retrofitted/Renovated Sq. Ft. 46,000 Sq. Ft.

Plant Owner Emergent BioSolutions

Incorporated

Plant Name Canton Advanced Viral Vector &

Gene Therapy CDMO

Plant ID 3431813

Location 80 Shawmut Road City/State Canton, Massachusetts 02021

U.S.A.

Plant Parent Emergent BioSolutions Incorporated

Unit Name

Phone +1 781 302 3000 Zone/County MA*02, Norfolk

Project Responsibility Project Company	Project Contact				
Project Manager Emergent BioSolutions Incorporated	Brian Timmins				
50 Shawmut Road	Deputy Director Engineering				
Canton, Massachusetts 02021	[Tel.] +1 781 302 3000				
U.S.A.	[E-Mail] timminsb@ebsi.com ; [LinkedIn] brian- timmins-87a6b52a				
Planning & Scheduling Emergent BioSolutions Incorporated	Raymond Baker				
50 Shawmut Road	Process Engineer Manager				
Canton, Massachusetts 02021	[Tel.] +1 781 302 3000 x152970				
U.S.A.	[E-Mail] bakerr@ebsi.com; [LinkedIn] raymond-baker-5232618				
Specification and Reliability Emergent BioSolutions Incorporated	Joe Blotner				

Specification and Reliability Emergent BioSolutions Incorporated

50 Shawmut Road

Canton, Massachusetts 02021

U.S.A.

Facilities Technician [Tel.] +1 781 302 3000 [E-Mail] blotnerj@ebsi.com; [LinkedIn] joe-blotner-

Assistant Project Manager

[Tel.] +1 508 572 2280 (Mobile)

72hha83 Patrick Ferrera

[E-Mail] pferrera@columbiacc.com; [LinkedIn]

G/C Columbia Construction Company

P O Box 220

North Reading, Massachusetts 01864

U.S.A.

patrick-ferrera-17956096 PEC® Activity Preliminary Design

Project Probability Medium (70-80%)

PEC® Timing P1

Scope Emergent BioSolutions Incorporated with Columbia Construction Company performs Preliminary Design for Biological Viral Vector and Gene Therapy CDMO Plant. DETAILS: Across from current manufacturing facility at 90 Shawmut Road, demolish interior of entire, recently acquired building at 80 Shawmut Road, and fit out approximately 46,000 sqft of space and equip for the contract multi-suite production and development of molecule-to-market viral vector and gene therapy substances. REQUIRES: Building Modifications, Building Automation Systems (BAS), Compressors (Air), Temperature and Humidity Controls, Fire and Security System, Voice/Data/Wireless System, Purification Equipment, Clean Steam Generators, Water-For-Injection System (WFO), Cleanrooms (ISO 5-8/Class 100-100,000), Single-Use Bioreactors (1,000L), Clarification Equipment, Checkweighers, Vial/Bottle Washers, Aseptic Fill/Finish Equipment, Isolators, Cell Expansion Tanks, Harvest Tanks, Laboratory Stations, Analytical Equipment, Controls (PLC, DCS), Centrifuges, Chromatography Equipment, Tangential Flow Filtration Equipment (TFF), Ultra/Diafiltration Equipment, Bar Coding and Labeling Equipment, Mixing and Blending Equipment, Water Purification System, Emergency Generator, Refrigeration, Electrical Panel Upgrades, Chiller, Industrial Gas Supply and Storage, Air/Gas Vacuum System, Conveyors (Roller/Belt), Aseptic Packaging Equipment, Data Recorders, Pumps, Motors, Valves. ENVIRONMENTAL: (A) HEPA Filtration System, Fume Hoods; Dust Collectors; (W) Pre-Wastewater Treatment System.

Schedule Emergent BioSolutions Incorporated with Columbia Construction Company continues with Preliminary Design through 4Q22 (Oct). Emergent selects A/E 4Q22 (Oct-Nov). Emergent with Columbia Construction Company releases any remaining Equipment RFQs plus Subcontractor Bid Documents 4Q22 (Dec)-3Q24 (Jul). Estimated Construction Kick-Off 1Q23 (Feb). Project Completion 4Q24 (Nov). **NOTE: ENTIRE BUILDING IS CURRENTLY BEING GUTTED. PROJECT TIMELINES ARE ESTIMATED. PROJECT MAY BE DESIGN-BID-BUILD OR DESIGN-BUILD.**

Details Dec-2021 Project in Preliminary Design

AFE 202210 Sub Bid Doc 202212 Completion 30-Nov-2024 Precision YEAR Project Milestones Equip RFQ 202212 Kick-Off 202302 Kickoff Slippage 29 Months **Duration 22 Months**

Bidding Companies - Listing may be partial and subject to change

Company Name Project Responsibility

A/Z Corporation G/C



PEC Activity Diagram

BR+A Consulting Engineers Incorporated				&E					
CRB Consulting Engineers Incorporated				Design-Build					
Columbia Construction Company			G	G/C					
DPS Engineering Limited			AA	A&E					
Shawmut Design and Co	onstruction		C/	′M					
Engi	neering	Electrical	Environmenta	I HVAC		Instrumentation	Mechanical	Structural	Process
_	tracting	Electrical	Environmenta	I HVAC		Instrumentation	Mechanical	Structural	Genera [G/C]
Project Key	/ Needs	Structural	Architectural	Control Room		Process Equip	Heat Transfer		
	Instrumentation	Electrical	Mechanical	HVAC		Storage			
	Piping/Fittings	Insulation/Coatings	Environmenta	l Utilities		Valves			
	Communications	5	Batch Process			Packaging			
		Material Handling							
Matter Phase		Liquid			Solid				
Energy		Boiler			Generato	or			
Buy									
Sell									
Plant Standard Contacts									
Functional/Actual Title		Telephone	/On-site Q	C Date/LinkedIn ID					
Plant Manager	Joe Blotner	[Phn.] +1 7	81 302 3000 D	ec-2021					
Facilities Technician	blotnerj@ebsi.com	No	jo	e-blotner-72bba83					
Engineering Manager	Richard Zolla	[Phn.] +1 9	78 501 4959 D	ec-2021					
Facilities Director	zollar@ebsi.com	Yes							
Safety Manager	Kim Shea	[Phn.] +1 7	81 302 2920 D	ec-2021					
EHS Manager	sheak@ebsi.com	No	ki	im-shea-6510721					

Historical Reports								
Project Name	Report Date	TIV	Phase					
CANTON ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO BUILDING ADDITION	19-Jun-2020	75,000,000 USD	Project Scope (P1 - 03)					
CANTON ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO BUILDING ADDITION	24-Jun-2020	75,000,000 USD	Project Scope (P1 - 03)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	05-Oct-2020	75,000,000 USD	Preliminary Design (P1 - 07)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	30-Dec-2020	75,000,000 USD	Demolition (P1 - 15)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	30-Dec-2020	75,000,000 USD	Demolition (P1 - 15)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	04-Jan-2021	75,000,000 USD	Demolition (P1 - 15)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	24-Mar-2021	75,000,000 USD	Planning and Scheduling (E2 - 25)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	05-Aug-2021	75,000,000 USD	Preliminary Design (P1 - 07)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	10-Aug-2021	75,000,000 USD	Preliminary Design (P1 - 07)					
CANTON BROWNFIELD ADVANCED VIRAL VECTOR AND GENE THERAPY CDMO PLANT	06-Dec-2021	75,000,000 USD	Preliminary Design (P1 - 07)					

© 2022 ALL RIGHTS RESERVED. Industrial Info Resources, Inc. - Sugar Land, TX - 800-762-3361