D	Activity Name	OD Start	Finish	Total Float	2019					· · · · · · · · · · · · · · · · · · ·	2020	
		170.05 D. 10			Dec	Jan	Feb	Mar	Apr	May	Jun	
JCR - MRB1 C	PM Schedule Reno 2020	170 05-Dec-19	10-Aug-20	136								
Design		170 05-Dec-19	10-Aug-20	136								÷
	onmont	50 05-Dec-19	20-Feb-20	37			20-	eb-20, Design Deve	lopment			
Design Devel	•					1						
DD1000	Design Development (Building) Owner Review	45 05-Dec-19	05-Feb-20	0				pment (Building) her Review				
		10 06-Feb-20 130 06-Feb-20	20-Feb-20 10-Aug-20	37 136		+	- Owr					
Design Permi	tting						•					
Design Phas	e 1 - Demolition & Site Utilities	60 06-Feb-20	30-Apr-20	14			V	- - -		30-Apr-20, Design	Phase 1 - Demolition	on 8
Design Pad	ckage Phase IA - SWPPP	38 06-Feb-20	31-Mar-20	17			<b>•</b>		🔻 31-Mar-20, Desigr	Package Phase IA	- SWPPP	
CD1010	Prepare SWPPP Package	30 06-Feb-20	19-Mar-20	17				Prepa	are SWPPP Package			
CD1020	Owner Review	8 20-Mar-20	31-Mar-20	17					Owner Review			
CD1100	Obtain SWPPP Permit	0	31-Mar-20	17		 ! !		1	Obtain SWPPP Pe	ermit		
Design Pa	ckage Phase IB - Demo, Safe-Off, Excavati	60 06-Feb-20	30-Apr-20	0			-			🕈 30-Apr-20, Design	n Package Phase IB -	- Þ
CD1000	Prepare 95% Package	40 06-Feb-20	02-Apr-20	0					Prepare 95% Pa	ckage		
CD1080	Owner Review & Comments	5 03-Apr-20	09-Apr-20	0					Owner Revie	ew & Comments		
CD1110	Hensel Phelps Response to Comments	5 10-Apr-20	16-Apr-20	0					Hensel	Phelps Response to		
CD1120	Prepare Issue for Construction Package	10 17-Apr-20	30-Apr-20	0							Construction Packag	je
CD1130	Submit IFC Package	0	30-Apr-20	0						Submit IFC Packa	-	
Design Pac	ckage Phase 1C - Site Utilities	55 06-Feb-20	23-Apr-20	19				1	23	3-Apr-20, Design Pac	kage Phase 1C - Site	e U
CD1030	Verify Existing Conditions	5 06-Feb-20	12-Feb-20	19			Verify Exis	ting Conditions				
CD1090	Prepare 95% Package	40 13-Feb-20	09-Apr-20	19					Prepare 95°			
CD1160	Owner Review & Comments	5 10-Apr-20	16-Apr-20	19						Review & Comments		
CD1170	Hensel Phelps Response to Comments	5 17-Apr-20	23-Apr-20	19					1	ensel Phelps Respon	se to Comments	
CD1210	IFC Package	0 105 06-Feb-20	23-Apr-20 06-Jul-20	19					♦ IF	¢ Package		
	e 2 - Structure and Foundations			2		1		1				
Design Pha	ase 2 - Caissons, Foundations	45 06-Feb-20	09-Apr-20	41		     		   	09-Apr-20, [	Design Phase 2 - Cai	ssons, Foundations	
CD1040	Prepare 95% Package	35 06-Feb-20	26-Mar-20	2					Prepare 95% Packag	1		
CD1140	Owner Review & Comments	10 27-Mar-20	09-Apr-20	41					i i	ew & Comments		
CD1150	IFC Package DP-2A	0	09-Apr-20	41					IFC Package	e DP-2A		
Design Pha	ase 2 - Super Structure	70 27-Mar-20	06-Jul-20	2		1		-				
CD1050	Prepare 95% Package	50 27-Mar-20	05-Jun-20	2							Prepare 95%	
CD1180	Owner Review & Comments	10 08-Jun-20	19-Jun-20	2							Own	ner
CD1230	Hensel Phelps Response to Comments	10 22-Jun-20	06-Jul-20	2								-
CD1250	IFC Package DP-2B	0	06-Jul-20	2				- - 				
	e 3 - Building Envelope	125 06-Feb-20	03-Aug-20	141			•	1		1		
	ase 3 - Building Envelope	125 06-Feb-20	03-Aug-20	141				 				
CD1060	Prepare 50% Package	50 06-Feb-20	16-Apr-20	141				1	Prepar	e 50% Package		
CD1190	Owner Review & Comments	5 17-Apr-20	23-Apr-20	141		1		1 1 1	1	wner Review & Comm		
CD1220	Hensel Phelps Response to Comments	5 24-Apr-20	30-Apr-20	141				1		Hensel Phelps Re	sponse to Comments	
CD1240	Prepare 95% Package	30 01-May-20	12-Jun-20	141							Prepare 9	95
CD1270 CD1290	Owner Review & Comments Hensel Phelps Response to Comments	15 15-Jun-20	06-Jul-20 03-Aug-20	141		÷			+			
CD1290 CD1320	IFC Package - DP3	20 07-Jul-20	03-Aug-20 03-Aug-20	141								
		130 06-Feb-20	10-Aug-20	20				1				
	e 4 - Building Interior & Landscape						• •	· · ·	   			
	ase 4 - Building Interior	130 06-Feb-20	10-Aug-20	20								
CD1070	Prepare 50% Package	50 06-Feb-20	16-Apr-20	20					Prepar	e 50% Package		
CD1200	Owner Review & Comments	20 17-Apr-20	14-May-20	20						Owner F	Review & Comments	- 11
CD1260	Hensel Phelps Response to Comments	20 15-May-20	12-Jun-20	20							Hensel P	²nje
CD1280 CD1300	Prepare 95% Package Owner Review & Comments	20 15-Jun-20 10 14-Jul-20	13-Jul-20 27-Jul-20	20 20				1				-
CD1300	Hensel Phelps Response to Comments	10 14-Jul-20 10 28-Jul-20	10-Aug-20	20								
CD1330	IFC Package - DP4	0	10-Aug-20	20								
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06-Jul-20, Desi	gn Phase 2 - Structure	e and Foundations		
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Owner Review	& Comments			
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## 2020 ASC COMPETITION – DESIGN PHASING

### **Design Development**

During the preconstruction stage of a Design-Build project the Design Team and the Owner agree on the scale and scope of the design and the general direction the project will take. However, before you can continue or even begin construction, you must further the project concept with the Owner, enough to get information to build and price the project.

Within your current schedule allow 45 days for Design Development and 10 days for Owner review. You can begin construction activities and development of the construction documents after you turn in your Design Development for Owner review.

#### **Construction Documents**

After your Design Development is complete your Design Team can focus on the creation of the Construction Documents. These documents will serve two purposes: obtain a building permit from the Jurisdiction Having Authority (JHA) and to construct the building.

The UCR MRB1 Project utilized Phase Permitting in which the Design Team develops Construction Documents in phases in order to get approval on a smaller set and begin construction right away.

As described in the problem statement your four phases are:

Design Package #1 –Demolition & Site Utilities Design Package #2 – Structure and Foundations Design Package #3 – Building Envelope Design Package #4 – Building Interiors & Landscape

Design Package #1 – Demolition & Site Utilities (60 MWD)

Within this package you shall include a set of drawings for each of the following items:

- 1. SWPPP Permit
- 2. Demolition and Excavation
- 3. Site Utilities

Design Package #2 – Structure and Foundations (105 MWD)

- 1. Caissons and Foundations
- 2. Super Structure

Design Package #3 – Building Envelope (125 MWD)

1. Building Envelope

Design Package #4 – Building Interior & Landscape (130 MWD)



# 2020 ASC COMPETITION – DESIGN PHASING

### Additional Notes:

- 1. Design-Build projects give Project Owners an opportunity to review each issuance of the drawings. Ensure you schedule enough time for the owner to review your drawings and for you to incorporate their comments prior to the final issuance for permitting.
- 2. You can begin certain activities prior to a set of documents being approved by the JHA, this is considered "work at risk", be cautious but utilize this to meet the schedule constraints.
- 3. You are encouraged to further breakdown the issuance of the packages to allow for more Owner feedback.
  - a. Phase IV 50% CD, 95% CD, Issue for Construction (IFC) Package