

# Detailed Engineer's Estimate and Total Project Costs- Cycle 5 v1.3

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

## Project Information:

Agency: City of Seaside	Date: 9/10/2020
Project Description: 1.3 mile road diet and ATP enhancements along Broadway Avenue	
Project Location: Broadway Avenue between Fremont Blvd. and General Jim Moore Blvd.	
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: Sean Houck	License #: CS9500

## Engineer's Estimate and Cost Breakdown:

Engineer's Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	\$	%	\$	%	\$
<b>General Overhead-Related Construction Items</b>											
1	MOBILIZATION	1	LS	\$500,000.00	\$500,000	100%	\$500,000				
2	CONSTRUCTION STAKING	1	LS	\$105,000.00	\$105,000	100%	\$105,000				
3	CONSTRUCTION AREA SIGNS	1	LS	\$28,000.00	\$28,000	100%	\$28,000				
4	TRAFFIC CONTROL SYSTEM	1	LS	\$650,000.00	\$650,000	100%	\$650,000				
5	WATER POLLUTION CONTROL	1	LS	\$280,000.00	\$280,000	100%	\$280,000				
6			LS			100%					
7			LS			100%					
8			LS			100%					
9			LS			100%					
10			LS			100%					
<b>General Construction Items</b>											
11	CLEAR AND GRUB	1	LS	\$10,000.00	\$10,000	100%	\$10,000				
12	ROADWAY EXCAVATION	10000	CY	\$100.00	\$1,000,000	100%	\$1,000,000				
13	AGGREGATE BASE (CLASS II)	6800	CY	\$75.00	\$510,000	100%	\$510,000				
14	HOT MIX ASPHALT (TYPE A)	4400	TON	\$150.00	\$660,000	100%	\$660,000				
15	SLURRY SEAL	25000	SY	\$6.00	\$150,000	100%	\$150,000				
16	ADA CURB RAMPS	66	EA	\$5,000.00	\$330,000	100%	\$330,000				
17	CURB RAMP (BIKE)	22	EA	\$4,000.00	\$88,000	100%	\$88,000				
18	MEDIAN CURB	7200	LF	\$50.00	\$360,000	100%	\$360,000				
19	CURB AND GUTTER	4200	LF	\$60.00	\$252,000	100%	\$252,000				
20	SIDEWALK	25000	SF	\$20.00	\$500,000	100%	\$500,000				
21	TRUCK APRON	290	CY	\$750.00	\$217,500	100%	\$217,500				
22	STRIPING	1	LS	\$150,000.00	\$150,000	100%	\$150,000				
23	LANDSCAPING	24000	SF	\$10.00	\$240,000	100%	\$240,000				
24	RRFB PEDESTRIAN SIGNAL	1	LS	\$20,000.00	\$20,000	100%	\$20,000				
25	SIGNING	1	LS	\$125,000.00	\$125,000	100%	\$125,000				
26	UTILITY ADJUSTMENTS	1	LS	\$350,000.00	\$350,000	100%	\$350,000				
27	STORM DRAIN RELOCATIONS	14	EA	\$20,000.00	\$280,000	100%	\$280,000				
28	PEDESTRIAN LIGHTING & FOUNDATION	6	EA	\$4,500.00	\$27,000	100%	\$27,000				
29								100%			
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52								100%			
<b>Subtotal of Construction Items:</b>					<b>\$6,832,500</b>		<b>\$6,832,500</b>				
<b>Construction Item Contingencies (% of Construction Items):</b>				<b>20.00%</b>	<b>\$1,366,500</b>		<b>\$1,366,500</b>				
<b>Total (Construction Items &amp; Contingencies) cost:</b>					<b>\$8,199,000</b>		<b>\$8,199,000</b>				

## Project Delivery Costs:

Type of Project Cost	Cost \$	ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs
<b>Preliminary Engineering (PE)</b>				
Environmental Studies and Permits (PA&ED):				
Plans, Specifications and Estimates (PS&E):	\$ 1,575,000	\$1,575,000		
<b>Total PE:</b>	<b>\$ 1,575,000</b>	<b>\$1,575,000</b>		<b>19%</b>
<b>Right of Way (RW)</b>				
Right of Way Engineering:	\$ -			
Acquisitions and Utilities:				
				<b>25% Max</b>

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Project Information:					
Agency:	City of Seaside	Date:	9/10/2020		
Project Description:		1.3 mile road diet and ATP enhancements along Broadway Avenue			
Project Location:		Broadway Avenue between Fremont Blvd. and General Jim Moore Blvd.			
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		Sean Houck		License #:	C59500
Total RW:		\$	-		
<b>Construction Engineering (CE)</b>					
Construction Engineering (CE):		\$	1,250,000	\$1,250,000	
					"CE" costs / "CON" costs
					15%
					15% Max
<b>(PE+RW+CE) Total Project Delivery:</b>			<b>\$2,825,000</b>	<b>\$2,825,000</b>	
<b>Total Construction Costs:</b>			<b>\$8,199,000</b>	<b>\$8,199,000</b>	
				ATP Eligible Costs	Non-participating Costs
<b>Total Project Cost:</b>			<b>\$11,024,000</b>	<b>\$11,024,000</b>	

Documentation of Ineligible (Non-Participating) Costs:	
The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.	
Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.	
Item #:	Description of Engineer's Logic: <span style="color: red;">(See examples shown in the Instructions)</span>
12, 13, 14	Roadway excavation, aggregate base, and HMA will only be utilized at the roundabouts and where a raised median and/or drop-off area will be installed. The purpose of the roundabouts is to red
23	While the landscaping itself is not determined to be an eligible cost, it is less than the allowable 5% of the total ATP eligible construction costs and has been included in the estimate.
26, 27	Utility and stormdrain relocations will only occur at bulb-outs and at the roundabout intersections. These line items are intrinsic to the safe design of the traffic calming and safety measures.