

January 14, 2016

PDR
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
MAINE ROUTE 100/26
HIGHWAY IMPROVEMENTS PROJECT
FALMOUTH, MAINE
WIN TBD
PREPARED BY: MARK DEBOWSKI, PE, STANTEC

Project Section	Proposed Scope for PDR	Stantec Estimate	Lower Cost Option Estimates ⁶	Typical Town Responsibility	Typical State Responsibility	Typical Responsibility Notes
1 - Sidewalk on Route 100 from Roberts Street to Liberty Road	\$42,245	\$42,245		\$42,245		
2 - Sidewalk on Route 100 from Portland North Road to Leighton Road	\$277,720	\$277,720		\$277,720		
2A - Median at West Falmouth Crossing Development	\$213,510	\$213,510				
3 - Route 100 Reconstruction from Leighton Road to Libby Bridge and Mountain Road ¹	\$3,926,239	\$3,926,239		\$80,874	\$3,845,365	Town Portion: Sidewalk
3A - Esplanade on West Side of Route 100 b/w Leighton Rd. and Mountain Rd. ²	\$93,082	\$93,082		\$93,082		
3B - Granite curb on Route 100 - Additional cost over bituminous curb	\$218,587	\$218,587		\$218,587		
3C - Granite Curb on Side Streets - Additional cost over bituminous curb	\$0	\$104,119		\$104,119		
3D - Three Stone/Granite Welcome Walls	\$75,000	\$75,000		\$75,000		
4 - Route 100 from Winslow Farm to Hurricane Road Reconstruction	\$0	\$3,500,000			\$3,500,000	
Option A - No work from Winslow Farm north			\$0			
Option B1 - Maintenance Surface Treatment Paving			\$150,000			
Option B2 - Replace the Four Cross Culverts			\$200,000			
Option B3 - Fix the Deficient Crest Curve through Road Reconstruction			\$400,000			
Option B4 - Hurricane and Hadlock Roads Realignment			\$125,000			
Option C - Reconstruction Route 100 from Hurricane Road through Crest Curve			\$1,500,000			
Option D - Box Widening of Road for Bike Lanes with Overlay over Entire Road			\$1,500,000			
5 - Leighton Road from Brook Road to Left Turn Lane Widening at Rt. 100	\$158,502	\$158,502		\$158,502		
6 - Leighton Road at Route 100 / Left Turn Lane Widening	\$254,287	\$254,287		\$25,835	\$228,452	Town Portion: Sidewalk
7 - Mill Road	\$0	\$0				
8 - Falmouth Road & Mountain Road from Route 100 to Winn Road	\$520,435	\$520,435		\$324,257	\$196,178	State Portion: Intersection
9 - Pedestrian Lighting	\$541,239	\$541,239		\$541,239		
10 - Street light fixture replacement ³	\$0	\$8,798		\$8,798		
11 - Public/private partnerships for stormwater management ⁴	\$0	\$153,000		\$153,000		
12 - Vegetation / trees	\$53,200	\$53,200		\$53,200		
13 - River Access Trail	\$18,180	\$18,180		\$18,180		
Subtotal	\$6,392,225	\$10,158,142		\$2,174,637	\$7,769,995	
Public Sanitary Sewer (From Wright-Pierce)	\$1,302,030	\$1,302,030		\$1,302,030		
Property Rights (Including MaineDOT Administrative Costs)	\$1,000,000	\$1,000,000		\$25,000	\$975,000	
Preliminary and Final Engineering (Road and Sewer)	\$660,000	\$660,000		\$300,590	\$359,410	
Construction Engineering ⁵	\$639,223	\$1,015,814		\$222,133	\$793,682	
Contingency (10%)	\$999,348	\$1,413,599		\$402,439	\$989,809	
Total	\$10,992,826	\$15,549,584		\$4,426,828	\$10,887,895	

Notes

- ¹ The cost of the traffic signals includes black-coated mast arms and pre-emption signals.
- ² The property acquisition cost associated with the esplanade (\$100,000) is included in the Property Rights row.
- ³ Street light fixtures will be replaced as part of a Town-wide replacement effort.
- ⁴ This item is expected to be included as a separate project in the West Falmouth Crossing TIF Program.
- ⁵ Construction engineering assumed to be 10% of the construction cost, not including contingency.
- ⁶ These options are in place of the cost of full reconstruction of Route 100 in Project Section 4.