

STRAND STAIRS IMPROVEMENT PROJECT

CITY OF MANHATTAN BEACH

Presented by:



DECEMBER 3, 2013



Base Bid Costs

\$1.1 million –

Includes: Demolition/removal/replacement of all balustrades;

Installation of minimum, basic style ADA handrails, tread warning stripes

Construction of two (2) ADA access ramps

Removal and replacement of non-ADA compliant flatwork at top/bottom of stairs

Minor Grading Work



HANDRAIL OPTIONS





EXISTING CONDITION





HANDRAIL OPTION 'A' with removed and replaced balustrade –
\$75,000-\$85,000 (\$3,500-\$5,000 per location – varies)





HANDRAIL OPTION 'A' with no balustrade
(only where adjacent grade is <math>< 30''</math> drop off)





HANDRAIL OPTION 'B' with removed and replaced balustrade

\$50,000 - \$60,000 (\$2,500-\$4,000 per location – varies)





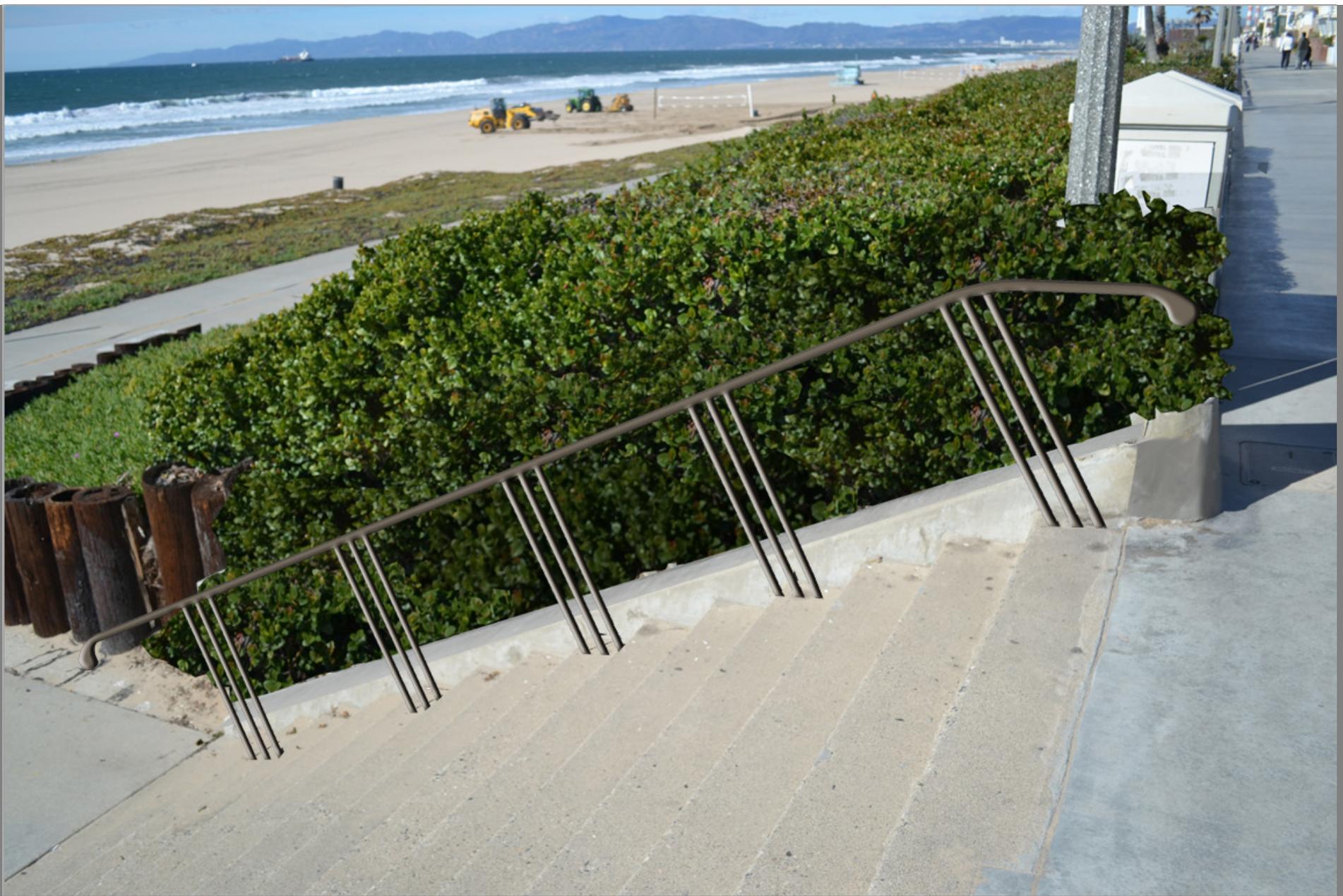
HANDRAIL OPTION 'B' with no balustrade
(only where adjacent grade is <math>< 30''</math> drop off)





HANDRAIL OPTION 'C' with removed and replaced balustrade





HANDRAIL OPTION 'C' with no balustrade
(only where adjacent grade is <math>< 30''</math> drop off)





HANDRAIL OPTION 'D' with removed and replaced balustrade



WALL OPTIONS





EXISTING CONDITION – 14th Street





EXISTING CONDITION – 16th Street





EXISTING CONDITION – 18th Street





EXISTING CONDITION – 20th Street





EXISTING CONDITION – Rosecrans Street





SANDBLAST light stenciled wave pattern on heavy sandblast background –
\$7,500-\$10,000 per location depending on intricacy of pattern





SANDBLAST light stenciled sun pattern on heavy sandblast background





GREEN SCREEN w/ VINES – \$25,000-\$35,000 per location

Depending on complexity. Increased long term maintenance considerations





GREEN SCREEN w/ VINES – \$25,000-\$35,000 per location
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