



Carmel Beach Coastal Protection & Access Improvements Projects

Adopt Resolution 2025-023

Authorizing the City Administrator to execute a
Professional Services Agreement with
Moffatt & Nichol, Inc

for the

*Carmel Beach Coastal Protection
and Access Improvement Projects*

City Council Special Meeting
March 3, 2025





Timeline

2022/23 – *Sea Level Rise/Coastal Engineering Report Project* by EMC Planning Group which evaluated:

- Condition Assessment
- Shoreline & Beach Change Analysis
- Shoreline & Beach Erosion Exposure Modeling
- Coastal Hazard & Sea Level Rise
- *Local Coastal Program (LCP) review*

Winter 2022/23 – Severe winter storms (king tides and large swells) resulted in damage to stairs and revetments

April 2023 – *Haro, Kasunich condition assessment of stairs, revetments, and sea walls.*

2023/2024 – *Shoreline Infrastructure Repairs Project* (amended in 2025 with budget of \$650,000)

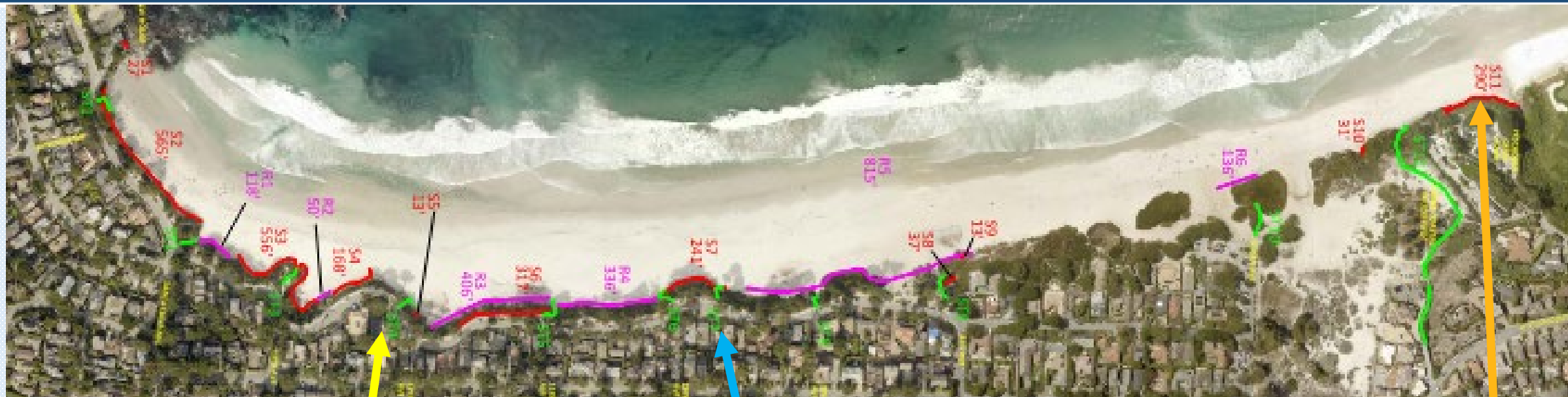
- Fourth Avenue Outfall Seawall Repair/Replacement
- Tenth Ave & Twelfth Ave Stair Structural Repairs

Winter 2023/24 – More storms. More damage. Most stair repairs made by City staff and reopened in Spring 2024. Few remain closed. Need engineering/construction project = Coastal Commission Permits

July 2024 – Request for Proposal from engineering consultants. Three received with Moffatt & Nichol selected.



Infrastructure Condition Assessment





Drainage System Repairs Projects

Task	Scope of Work	Budget
1	Wood Stairs – Existing Condition Report	\$90,160
1A	Geotechnical Analysis (if needed)	\$16,583
2	Stair Repair Projects – Tenth Ave North and Twelfth Ave	\$163,695
4	Fourth Ave Outfall Seawall Repair Project	\$87,146
2A/4A	Geotechnical Drilling Investigation (if needed)	\$41,429
	Total	\$399,013

Task 1 – Structural (and possible geotechnical) assessment of existing stairs. Evaluate access needs to replace with concrete

Task 2/4 – Develop Plans and Specifications for construction project to perform major repairs or replacement
Both projects assumed extensive regulatory permitting will be required including
(Coastal Commission, Fish & Wildlife, etc.)

Estimated Schedule: Bid Winter 2025. Repairs in Spring 2026 (due to time for Environmental Evaluation/permits)



Coastal Protection Budget & Funding

Budget
Recap:

Company	Services	Cost
Wallace Group	Project Management	\$63,594
Moffatt & Nichol	Design & Engineering Services	\$399,012
TBD	Construction Phase	\$187,393
	Total	\$650,000

Funding:

Source	Amount
FY 2023/24 – Shoreline Infrastructure	\$250,000
FY 2024/25 – Shoreline Infrastructure Repair (Additional Funding)	\$150,000
FY 2024/25 – Fourth Ave Outfall Project	\$250,000
Total	\$650,000



Conclusion

Entering into a Professional Services Agreement with Moffatt & Nichol, Inc. would offer the following benefits to the City:

1. Secure a contract with an industry-leading Engineering firm specializing in shoreline adaptation
2. Provide the City with the opportunity to award them additional coastal projects, such as the sand access ramp, through an amendment to their contract



Recommendation

Adopt Resolution 2025-023

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in the amount of \$399,013