

City of

Desert Hot Springs

PUBLIC WORKS



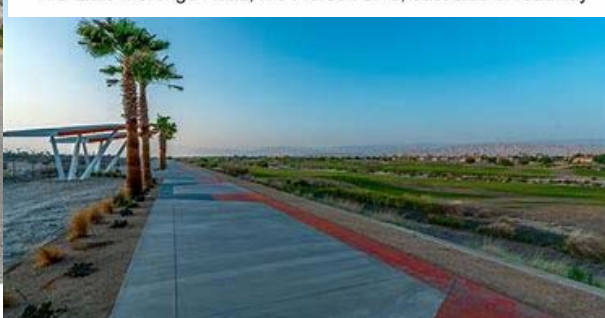
PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES FOR CV LINK PALM DRIVE, MISSION LAKES, LITTLE MORONGO ROAD & DILLON ROAD



N/B Palm Drive, n/o Vista Montana, west side



N/B Little Morongo Road, n/o Pierson Blvd, east side of roadway



**Civil Engineering Design
Construction Management
Infrastructure Management
GIS Mapping & Data Systems
Inspection**



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December 19, 2019

Daniel Porras, Director of Public Works
Public Works Department
City of Desert Hot Springs
65-950 Pierson Boulevard
Desert Hot Springs, CA 92240

Subject: Proposal to Provide Engineering and Design Services – CV Link

Dear Mr. Porras:

Omnis Inc. (Omnis) is pleased to present this proposal for engineering and design services for the subject improvements. We have the resources in place to meet the City's needs and we are ready to begin work with your authorization.

We look forward to again working with you and the City of Desert Hot Springs. I can be reached at directly at 909-631-8335 should you have any questions or require additional information regarding this proposal.

Sincerely,

Omnis Inc.

John Gabor
Project Manager

PROJECT UNDERSTANDING

The Coachella Valley has a need for transportation and recreational pathways that will provide safe routes connecting communities. It will allow residents the ability to travel through the Coachella Valley by bike, walking, or low-speed electric vehicles. It will also provide safer routes for kids to go to school or other community activities.

The CV Link of Desert Hot Springs will provide significant benefits including a physical connection to Palm Springs, recreational benefits, and safer conditions along Palm Drive.

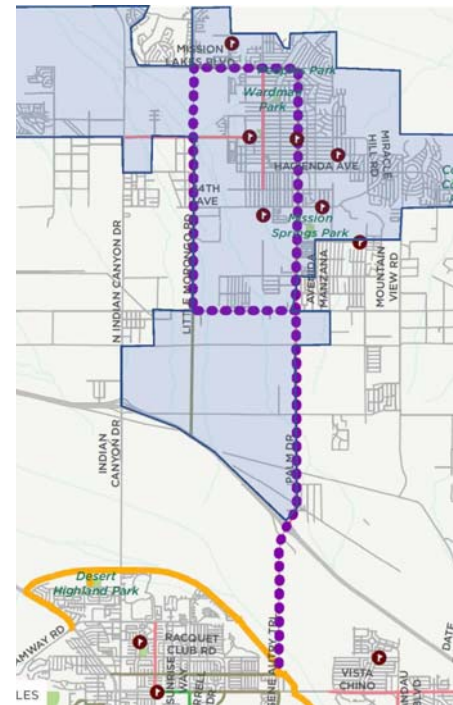
This project will include the design of a CV pathway along Palm Drive from I-10 to Mission Lakes Blvd, along Mission Lakes Blvd. from Palm Drive to Little Morongo Road, along Little Morongo Road from Mission Lakes Blvd. to Dillon Road, and along Dillon Road from Little Morongo Road back to Palm Drive creating a circular path within the City of Desert Hot Springs, a distance of approximately 69,325 lineal feet (26+miles).

The safety improvements will include:

- Establishing a pathway for pedestrians, bikes, and low-speed electric vehicle
- Upgrading existing roadway crossings to meet current ADA guidelines
- Possible narrowing or removal of current roadway travel lanes
- New street lights
- Additional pedestrian and bicycle safety signage and markings throughout the project area

These improvements will provide a safer pedestrian and bicycle access route to various schools, parks, transit route stops, commercial areas, and residential neighborhoods. This project would connect and extend the previously awarded 2017 & 2019 Bicycle Pedestrian Safety Program Project – Palm Drive Street Light Project.

Right of Way and pathway layouts will be vital in the constructability of the project. We believe that a preliminary investigation shall take place first, followed by layout proposals and adjustments, concluding with the final design and PS&Es.





Pavement Rehabilitation

Upon our site review, it was noted that a lot of the existing pavement is in very poor condition and is in need of either an asphalt concrete overlay or full reconstruction.

We have included in our Scope of Services the design of pavement rehabilitation improvements on Palm Drive from the I-10 freeway to Mission Lakes Blvd., Mission Lakes Blvd. from Palm Drive to Little Morongo Road, Little Morongo Road from Mission Lakes Blvd. to Dillon Road, and Dillon Road from Little Morongo Rd. to Palm Drive. We assume that the portions of pavement that are in good condition will receive a slurry seal to provide a new wearing surface for the new buffered bike lane striping. We will design and prepare PS&E for areas that are deteriorated beyond a slurry seal maintenance. To properly design the pavement rehabilitation, we have included sixteen (16) pavement cores in the existing pavement.

We have included in our Scope of Services the proper topographic survey, pavement cores, and level of effort to design the pavement rehabilitation improvements described above.

Concrete Improvements

In addition to the ADA upgrades, there are many locations within the project limits where there is missing curb and/or gutter and sidewalk. Many existing cross gutters within the project limits are damaged and/or incomplete. The design of new curb and/or gutter (plan and profile), cross gutters, and sidewalk is included in our design level of effort.

Street Lighting

There are no existing street lights on Palm Drive from Camino Aventura to n/o the I-10 freeway, Mission Lakes Blvd., Little Morongo Rd., and Dillon Road. To comply with the City's standard for street light spacing (150 feet, staggered), there should be approximately 130 street lights on this reach of Palm Drive, 52 on Mission Lakes Blvd., 124 on Little Morongo Rd., and 52 on Dillon Road. Our level of effort will include inventorying the existing street lights, the layout of new street light locations, and the preparation of the street lighting base map in SCE's format for SCE to design the new street light system(s).

SCOPE OF SERVICES

Task 1.0 Project Management

1.1 Meetings

Our project manager will attend meetings as necessary with City staff to present our design of the proposed improvements in an effort to expedite the review process and efficiently complete the design and specifications for bidding by the City. We have estimated our level of effort based on the typical number of meetings required for this size and type of project based on our experience. However, Omnis recognizes that additional meeting time may or may not be required to properly complete the project

in a timely manner and Omnis will not pursue any additional compensation for meeting hours over our estimate.

Deliverables: Meeting agenda and meeting minutes if required.

1.2 Utility Coordination

Omnis will send out initial utility notifications to all utility companies once final layouts (task 2) have been completed and we are to proceed to task XX. Utilities that have facilities within the City will be made aware of the upcoming construction activities and requesting copies of their maps, plans, and/or sketches of their existing and/or proposed facilities within the project limits. We will send out copies of progress submittals to affected utility companies and notify them of the approximate project construction schedule.

Omnis staff will follow-up with utility companies that do not reply to initial requests by telephone and in person if necessary. Copies of the design plans will be sent to the utility companies for their review and comment and to obtain any special requirements to protect their facilities.

Deliverables: Copies of all correspondence and utility log.

Task 2.0 Preliminary Investigation

2.1 Conceptual Base Plans and Layouts

Omnis will prepare conceptual base plans for the pathway layout throughout the project limits. We will investigate right-of-way areas that may require acquisition of property and/or adjustment to the travel path.



Conceptual Base Plans will be prepared on City-standard titleblock at a scale of 1"=40'. They will include right-of-way, centerline, existing edge (C&G, no edge, etc.) and medians. These items will be prepared by aerial photos and field reviews, they will not be surveyed for this task.

Omnis will prepare exhibits and presentations of conceptual layouts and allow City Staff and CVAG to review for input and adjustments. Discussions will be necessary to determine if existing widths will be maintained or if roadways will be narrowed. Palm Drive, on the southern end, is a multilane roadway with higher travel speeds. It would be best to maintain the roadway widths and place the new CV Link in possible right-of-way outside the current edge of pavement. Palm Drive, near downtown, does not have right-of-way area available and would require a roadway lane removal and/or shifting of traffic from current conditions. The possible layouts will also vary

from east/west sides and north/south sides. Multiple factors will determine the final layout.

Anticipated plan set:

Title sheet..... 1 sheet
Conceptual Layout..... 27 sheets

Total plan set..... 28 sheets

There may be multiple versions of the layout as obstacles are discovered and input from agencies is considered.

Base plans will be prepared by Omnis staff from parcel maps and field reviews. The base plans will be prepared on City-standard titleblock at a scale of 1"=40'.



S/B Palm Drive, n/o Varner Road, east side

Task 3.0 Improvement Plans

Anticipated plan set:

Title sheet..... 1 sheet
Street Improvements 65 sheets
Construction Details..... 10 sheets
Signing & Striping 39 sheets

Total plan set..... 115 sheets

3.1 Street Improvement Plans

The street improvement plans will include plan and profile sheets to describe the new pavement crown profile for the reaches that will be reconstructed and for the new curb and/or gutters and median curbs. The street improvement plans will also include limits of concrete improvements such as curb ramps, curbs, gutters, cross gutters, sidewalks, and driveway approaches.

Special details and sections will be prepared for driveway approaches to meet ADA guidelines and for private driveway modifications to join the on private property. This will likely include retaining curbs, or small retaining walls, at the back of the new sidewalk for the properties north of Twelfth Street.



Omnis will prepare a base plan in SCE's format showing the proposed street light locations for use in SCE's design of the new lighting system(s). The proposed street light locations will be shown on the street improvement plans with reference to the street lighting plans prepared by SCE.

3.2 Signing and Striping Plans

Omnis will prepare signing and striping plans that include new crosswalk striping, new buffered bike lane striping along Palm Drive, and additional pedestrian and bicycle safety signage and markings throughout the project area. If the multi-way stop is recommended at any intersection, additional solar-powered flashing stop signs will be included in the design.

3.3 Specifications and Estimate

Omnis will prepare the project specifications from a boilerplate provided by the City. We will include the appropriate detailed project descriptions, bid schedules, bid item descriptions, payment methods, special provisions, and technical provisions for the work. A construction cost estimate will be prepared from the items and quantities shown on the bid schedule and using bid prices from recent projects.

Task 4.0 Bid and Construction Period Services

Omnis will be available to respond to questions during the bid period and issue addenda required to clarify the plans and specifications. Omnis will be available during construction for technical oversight as required by City staff.

Deliverables: Responses to questions during bidding regarding the plans and specifications and addenda required to clarify the plans and specifications.

Task 5.0 Contingency Engineering & Inspections

Omnis will be available to respond to unknown conditions that require additional engineering, research and/or inspection services. Questions and Issues during the bid period and/or construction will be identified, reviewed, and solutions will be prepared which may include Plans & Specifications. Omnis will be available during construction for technical oversight as required by City staff.

The project can be prepared as a whole or in part. Projects will be determined with the City staff upon completion of Task 2.0. Omnis will prepare PS&E for each segment project determined within the scope of work.



FEE SCHEDULE

	Project Manager	Project Engineer	CAD Technician	Admin	Surveying	Geotechnical	
Task/Description	\$140	\$135	\$85	\$50			Subtotals
1.0 <u>Project Management</u>							
1.1 Meetings	80			40			\$13,200
1.2 Utility Coordination	8		40	16			\$5,320
2.0 <u>Preliminary Conceptual Base Plans</u>							
2.1 Right of Way	24	24	160	40			\$22,200
2.2 Conceptual Base Plans	80	160	1200	200			\$144,800
2.3 Conceptual Layout Presentation	80	80	160	80			\$39,600
3.0 <u>Preliminary Investigation</u>							
3.1 Topographic Survey	40	40	40		\$250,000		\$264,400
3.2 Pavement Investigation	40	16	40			\$150,000	\$161,160
3.3 Site Investigations and Base Plans	24	80	600	80			\$69,160
4.0 <u>Improvement Plans</u>							
4.1 Street Improvement Plans	40	400	800	40			\$129,600
4.2 Signing and Striping Plans	8	80	200	40			\$30,920
4.3 Specifications and Estimate	8	80	40	40			\$17,320
5.0 Bid and Construction Services	4	12		16			\$2,980
6.0 Contingency Engineering	80	320	320	80			\$85,600
Totals =	\$72,240	\$174,420	\$306,000	\$33,600	\$250,000	\$150,000	\$986,260