



## City Council Staff Report

DATE: May 20, 2015

CONSENT CALENDAR

SUBJECT: APPROVAL OF PLANS, SPECIFICATIONS AND ESTIMATE AND AUTHORIZATION TO BID FOR THE PALM CANYON DRIVE ELECTRICAL SYSTEM REPLACEMENT, CITY PROJECT NO. 14-20, AND PALM CANYON DRIVE IRRIGATION SYSTEM IMPROVEMENTS, CITY PROJECT NO. 14-21

FROM: David H. Ready, City Manager

BY: Public Works & Engineering Department

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### SUMMARY

The City Council previously appropriated funding in the amounts of \$900,000 from the Measure J Capital Project Fund for replacement and upgrading of the existing electrical system along Palm Canyon Drive, and \$45,000 from the Measure J Capital Project Fund for replacement and upgrading of the existing irrigation system along Palm Canyon Drive. Approval of the plans, specifications and estimate will allow staff to proceed with bidding of these capital projects bundled together as one project, with an estimated cost of \$880,000.

### RECOMMENDATION:

Approve the plans, specifications and estimate and authorize staff to advertise and solicit bids for the Palm Canyon Drive Electrical System Replacement, City Project No. 14-20, and the Palm Canyon Drive Irrigation System Improvements, City Project No. 14-21.

### STAFF ANALYSIS:

On November 7, 2012, the City Council approved project expenditures of \$4.7 Million for various Fiscal Year 2012/13 Measure J capital projects. At that time, a capital expenditure of \$100,000 was budgeted for the Lighting – Replace Uptown Underground Electrical (Phase 1), with the following project description:

*Old and failing, the current electrical system on Palm Canyon from the downtown to uptown needs to be replaced as it cannot take any additional electrical loads. Work in the Historic Uptown Design District would be completed here, in Phase One.*

ITEM NO. 2.I.

On October 14, 2013, the City retained MRC Engineering, Inc., through a Consulting Service Agreement to provide electrical engineering design for the Palm Canyon Drive Electrical System Replacement, City Project No. 14-20. The scope of work is to replace the underground electrical infrastructure for decorative street lights, palm tree lights, and provide additional electrical service to support Village Fest vendors on Palm Canyon Drive. Current electrical infrastructure cannot adequately provide power to street vendors for the weekly village vest event due to the lack of capacity. The electrical infrastructure in the Downtown area is failing due to the age of underground conduits and wiring, and requires replacement.

On March 10, 2014, the City retained Michael Buccino Associates through a Consulting Service Agreement to provide design for the Palm Canyon Drive Irrigation System Improvements, City Project No. 14-21. The scope of work is to replace the existing irrigation system on Palm Canyon Drive from Alejo Road to Tamarisk Road.

The construction drawings for both of these projects have been combined into one plan set for bidding purposes. The construction drawings have been reviewed and approved by the City's Building Department, and are ready to formally solicit construction bids for the Project; a copy of the construction drawings is included in **Attachment 1**.

With the City Council's approval, staff will advertise the project in the *Desert Sun*, submit the Notice Inviting Bids to plan rooms, and provide the bid documents available free of charge to prospective bidders. The construction drawings and contract specifications for the project are identified as the Palm Canyon Drive Electrical System Replacement, City Project No. 14-20, and Palm Canyon Drive Irrigation System Improvements, City Project No. 14-21, (the "Project"). A copy of the construction drawings and contract specifications for the Project are on file with the Public Works & Engineer Department. The following tentative schedule has been identified for the bid process:

Notice Inviting Bids to be posted:	May 21, 2015
<b>Deadline for receipt of bids:</b>	<b>3:00 PM, June 25, 2015</b>
Contract awarded by City Council:	July 15, 2015

**ENVIRONMENTAL IMPACT:**

Section 21084 of the California Public Resources Code requires Guidelines for Implementation of the California Environmental Quality Act ("CEQA"). The Guidelines are required to include a list of classes of projects which have been determined not to have a significant effect on the environment and which are exempt from the provisions of CEQA. In response to that mandate, the Secretary for Resources identified classes of projects that do not have a significant effect on the environment, and are declared to be categorically exempt from the requirement for the preparation of environmental documents. In accordance with Section 15301 "Existing Facilities," Class 1 projects

consist of interior or exterior alterations involving such things as interior partitions, plumbing, and electrical conveyances; therefore, the Palm Canyon Electrical System Replacement and Treewell Irrigation Improvements, City Project No's. 14-20 and 14-21, is considered categorically exempt from CEQA, and a Notice of Exemption has been prepared and with the City Council's approval will be filed with the Riverside County Clerk. A copy of the Notice of Exemption is included as **Attachment 2**.

**FISCAL IMPACT:**

A total of \$945,000 was previously budgeted for the Project from the Measure J Capital Project Fund (Fund 260). The final construction estimate for the Project is \$880,000 as shown in **Attachment 3**.

The Project budget and incurred expenditures are identified in Table 1. As shown in Table 1, an additional appropriation of \$254,085 will be required to fully fund the estimated cost of the Project.

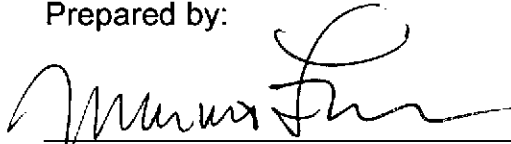
<b>Table of Project Costs</b>	<b>Amount</b>
Measure J Fund	\$945,000
Design Services	(\$34,850)
Capital Expenditures (through 5/12/15)	(\$176,536)
Labor Expenditures (through 5/12/15)	(\$52,699)
Project Administration (Estimated)	(\$5,000)
Construction Inspection (Estimated)	(\$50,000)
Construction Contract	(\$880,000)
<b>Budget Deficit</b>	<b>(\$254,085)</b>

**Table 1**

Staff recommends that the City Council authorize bidding of the Project to obtain final costs, allowing staff to identify funding alternatives for City Council consideration at the time a contract is scheduled for award.

**SUBMITTED:**

Prepared by:



Marcus L. Fuller, MPA, P.E., P.L.S.  
Assistant City Manager/City Engineer

Approved by:



David H. Ready, Esq., Ph.D.  
City Manager

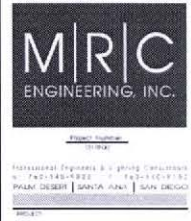
Attachments:

1. Construction Drawings
2. CEQA Notice of Exemption
3. Construction Estimate

ATTACHMENT 1



07  
 See Detail & Notes: 1) 2020 LISTING IS DOWNTOWN LIGHTING MASTER PLAN - PALM SPRINGS, WIDE 2 - ELECTRICAL DETAILS DWG  
 BY: E.E. ENGINEERS, INC. 2020, ISSUED MAY 20, 2019, 10:11 AM

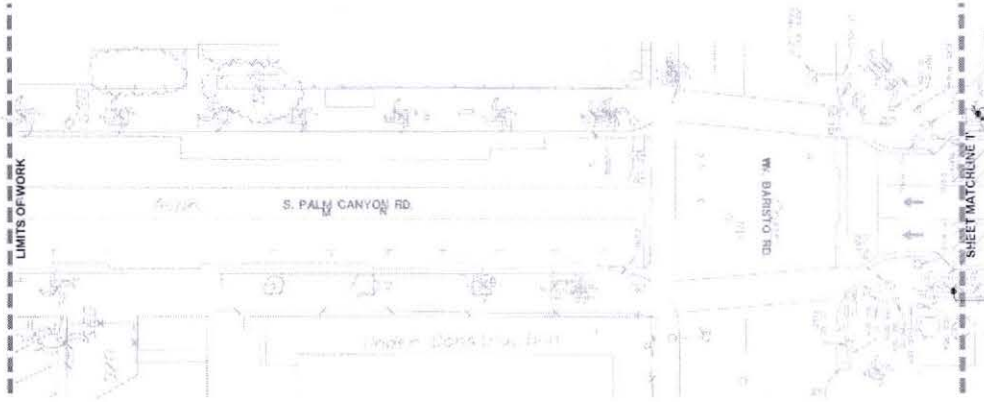
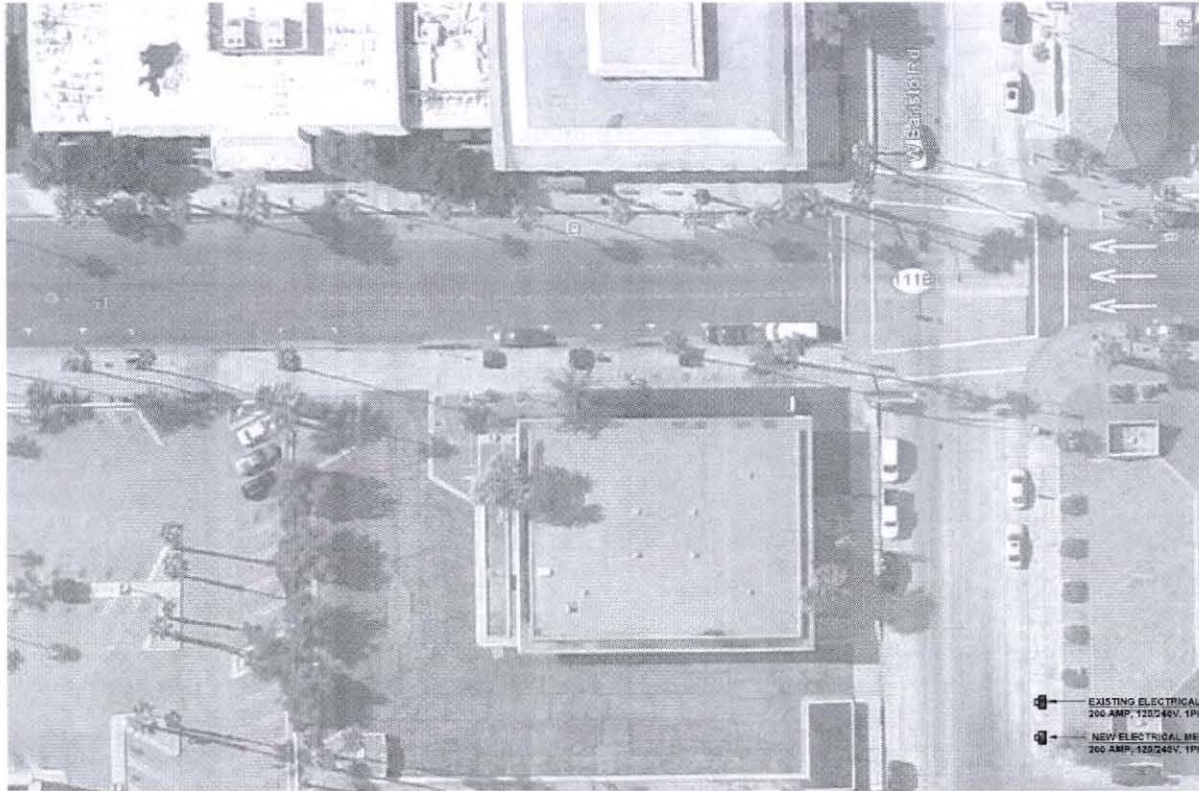


PANEL EXIST A		PANEL VOLTAGE	120/240 1P/3W	CIRCUIT CODE	N. NON-CONTINUOUS L. LONG-CONTINUOUS R. DEMANDABLE RECEPTACLES K. KITCHEN				
LOCATION: SEE PLANS MOUNTING: PEDESTAL		BUS: 100 A MNH: 100A 3P AC RATING: 10,000							
LINE NO.	W/LOAD	LOAD DESCRIPTION	TYPE	C.B.	BUS	C.B.	TYPE	W/LOAD	LINE NO.
1	1	MAIN SERVICE DISCONNECT	L	20	T	2	2	2	1
2	1	EXISTING MAIN DISCONNECT	L	20	T	2	2	2	2
3	1	EXISTING CIRCUIT	L	20	T	2	2	2	3
4	1	EXISTING CIRCUIT	L	20	T	2	2	2	4
5	1	EXISTING CIRCUIT	L	20	T	2	2	2	5
6	1	EXISTING CIRCUIT	L	20	T	2	2	2	6
7	1	EXISTING CIRCUIT	L	20	T	2	2	2	7
8	1	EXISTING CIRCUIT	L	20	T	2	2	2	8
9	1	EXISTING CIRCUIT	L	20	T	2	2	2	9
10	1	EXISTING CIRCUIT	L	20	T	2	2	2	10
11	1	EXISTING CIRCUIT	L	20	T	2	2	2	11
12	1	EXISTING CIRCUIT	L	20	T	2	2	2	12
13	1	EXISTING CIRCUIT	L	20	T	2	2	2	13
14	1	EXISTING CIRCUIT	L	20	T	2	2	2	14
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PANEL: EXIST 0										PANEL VOLTAGE		CIRCUIT CODE		N. NON-CONTINUOUS		L. LOAD CONTINUOUS		D. DEMANDABLE RECEPTACLES		R. RECEPTACLES		K. KITCHEN			
LOCATION: 388 PLAINS										120/240 1P, 3W		388 A		N		L		R		K		K		K	
MOUNTING: PRESETAL										10000		388 A		N		L		R		K		K		K	
MOUNTING: PRESETAL										10000		388 A		N		L		R		K		K		K	
NO.	VALUAD	A	B	LOAD DESCRIPTION	Q	TYPE	C.B.	BUSS	C.B.	TYPE	N	LOAD DESCRIPTION	VALUAD	A	B	Q	TYPE	C.B.	BUSS	C.B.	TYPE	N			
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71	880			RECEPT - WALLAGE FEET	N	20	2					SPACF	180			1									
72	880			RECEPT - WALLAGE FEET	N	20	2					SPACF	180			1									
73	880			RECEPT - WALLAGE FEET	N	20	2					SPACF	180			1									



ELECTRICAL PLAN



PROJECT NO. 15119-00  
 PROJECT LOCATION  
 PALM SPRINGS | SAN ANTONIO | SAN DIEGO

PALM SPRINGS  
 DOWNTOWN LIGHTING MASTER PLAN



NO.	REVISION	DATE

DATE: JANUARY 27, 2015  
 DRAWN BY: RP  
 CHECKED BY: RP  
 PROJECT NO.: 15119-00

ELECTRICAL PLAN

FIG. NO.:

E2.0







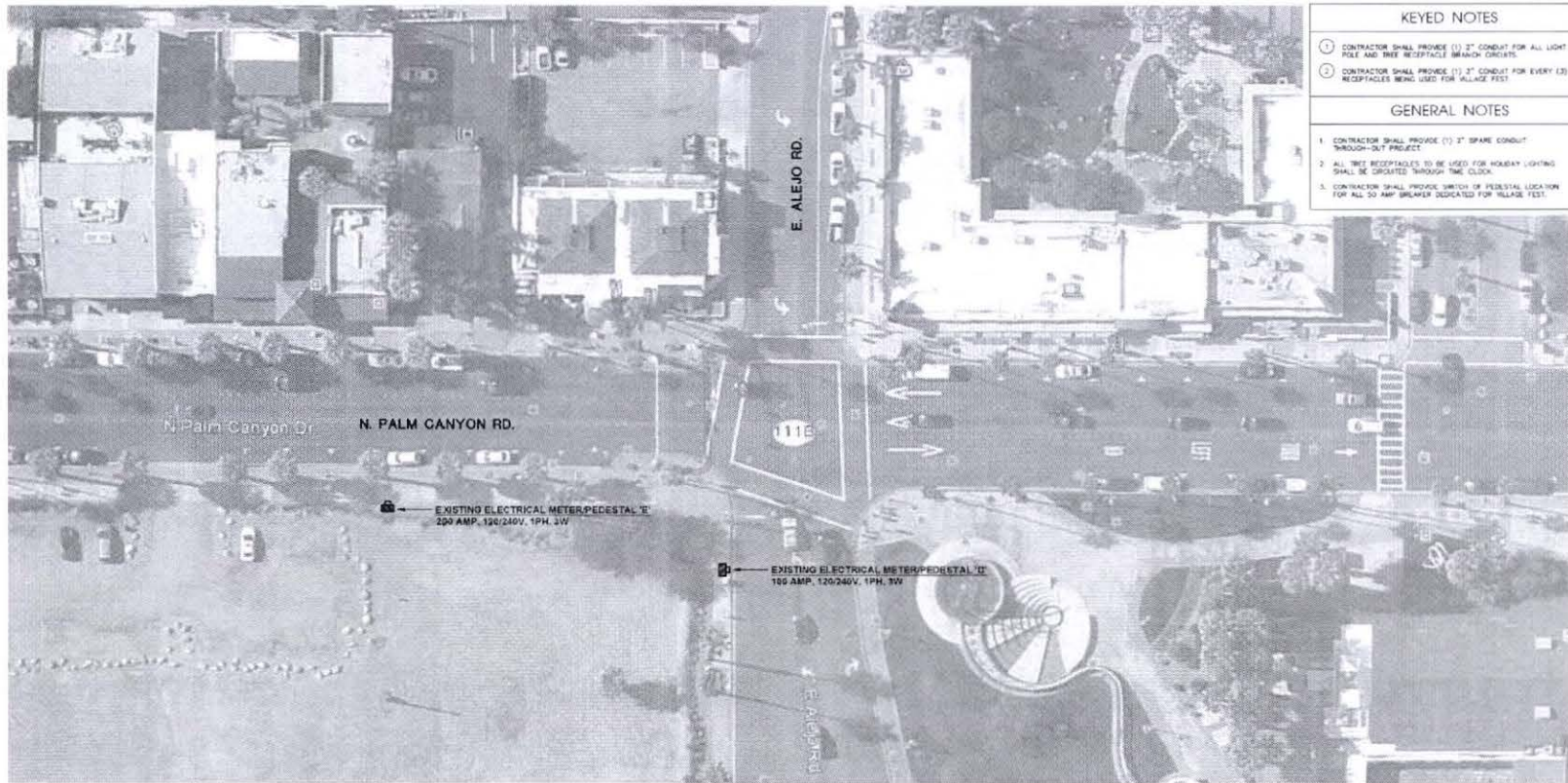
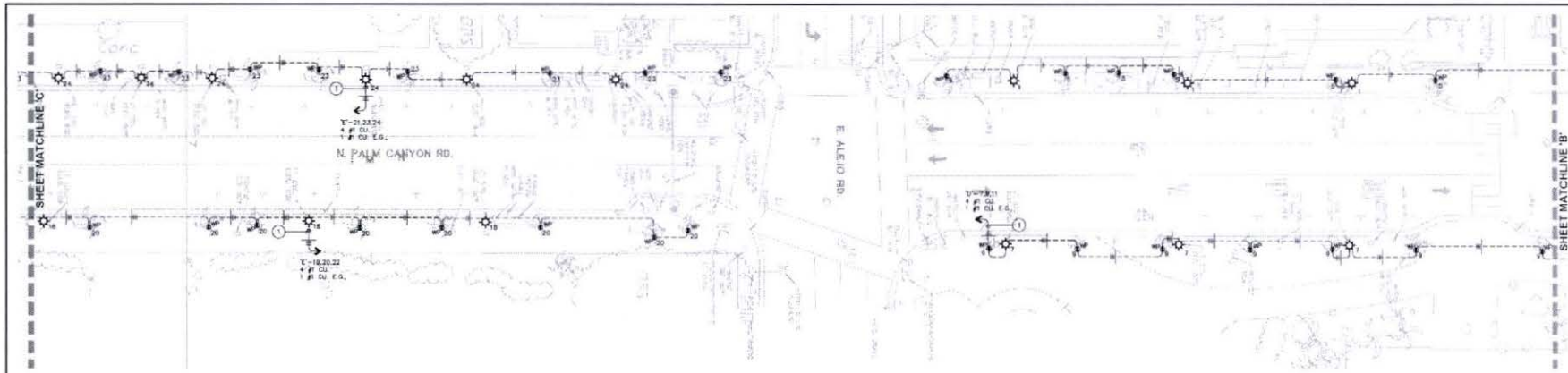








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- KEYED NOTES**
- ① CONTRACTOR SHALL PROVIDE (1) 2" CONDUIT FOR ALL LIGHT POLE AND TREE RECEPTACLE BRANCH CIRCUITS
  - ② CONTRACTOR SHALL PROVIDE (1) 2" CONDUIT FOR EVERY (2) RECEPTACLES BEING USED FOR HOLIDAY TEST
- GENERAL NOTES**
- 1. CONTRACTOR SHALL PROVIDE (1) 2" SPARE CONDUIT THROUGH-OUT PROJECT
  - 2. ALL TREE RECEPTACLES TO BE USED FOR HOLIDAY LIGHTING SHALL BE CIRCUITED THROUGH TIME CLOCK
  - 3. CONTRACTOR SHALL PROVIDE SWITCH OF PEDESTAL LOCATION FOR ALL 20 AMP BREAKER DEDICATED FOR HOLIDAY TEST

ELECTRICAL PLAN

NORTH  
 SCALE  
 1"=20'-0"  
 1



PALM SPRINGS  
 DOWNTOWN LIGHTING MASTER PLAN

DATE:	JANUARY 22, 2015
DRAWN BY:	ER
CHECKED BY:	ER
PROJECT NO.:	1318A-00
ELECTRICAL PLAN	

E2.7





ATTACHMENT 2

**NOTICE OF EXEMPTION**

To:  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

From: City of Palm Springs  
3200 E. Tahquitz Canyon Way  
Palm Springs, CA 92262

Clerk of the Board  
County of Riverside  
P.O. Box 751  
Riverside, CA 92502-0751

**Project Title:** Palm Canyon Electrical System Replacement and Treewell Irrigation Improvements, City Project No's. 14-20 and 14-21

**Project Applicant:** City of Palm Springs

**Project Location (Specific):** South Palm Canyon from Barito to Amado and from Alejo to Tamarisk.

**Project Location (City):** City of Palm Springs

**Project Location (County):** Riverside

**Project Description:** The scope of work is to replace underground electrical to all decorative street and palm tree lights on South Palm Canyon from Baristo to Amado, also add additional electrical service to support Village Fest vendors. Current electrical infrastructure cannot adequately provide power to street vendors for festival due to the lack of capacity. The electrical infrastructure in the Downtown area is failing due to the age of underground conduits and wiring. Also included in the scope of work is to take advantage of the tree well irrigation project on the North end and upgrade the electrical infrastructure from Alejo to Tamarisk.

**Name of Public Agency Approving Project:** City of Palm Springs

**Name of Person or Agency Carrying Our Project:** City of Palm Springs, Public Works & Engineering Department  
3200 E. Tahquitz Canyon Way, Palm Springs, CA 92262

**Exempt Status:** (check one)

- Ministerial (Sec. 21080(b) (1); 15268);
- Declared Emergency (Sec. 21080(b) (3); 15269(a));
- Emergency Project (Sec. 21080(b) (4); 15269 (b)(c));
- Categorical Exemption. State type and section number: 15303 Class 3 (d) – New Construction or Conversion of Small Structures
- Statutory Exemptions. State code number:

Reasons why project is exempt: Class 3 consists of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure. Water main, sewage, electrical, gas, and other utility extensions, including street improvements, of reasonable length to serve such construction. Therefore, the Palm Canyon Electrical System Replacement and Treewell Irrigation Improvements, City Project No's. 14-20 and 14-21, is considered categorically exempt from CEQA.

Lead Agency Contact Person: Savat Khamphou, P.E. Area Code/Telephone/Extension: (760) 323-8253 ext. 8744

**If filed by applicant:**

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project?  Yes  No

Signature:  Date: 5/2/15 Title: Asst. Director of Public Works/Asst. City Engineer

Signed by Lead Agency  Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code  
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date received for filing at OPR: \_\_\_\_\_

ATTACHMENT 3

Prepared by:  
**MRC ENGINEERING, INC.**  
 34300 Gateway Drive, Suite 120  
 Palm Desert, CA, 92211  
 760-340-9005

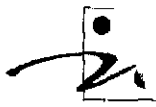
## PALM SPRINGS DOWNTOWN ENGINEERS COST ESTIMATE

May 12, 2015

### PALM SPRINGS DOWNTOWN ENGINEERS COST ESTIMATE

DESCRIPTION	QTY.	UNIT	LIGHTING COST		MATERIAL COST		CONSTRUCTION COST			LINE TOTALS			
			NET PRICE	TOTAL	MATERIAL UNIT COST	TOTAL	HOURS	HOURLY RATE	TOTAL	NET TOTAL	MATERIAL UNIT TOTAL	CONSTRUCTION COST TOTAL	LINE ITEM TOTAL
120/240V 50 AMP WEATHERPROOF OUTLET	38	ea.	\$ -	\$ -	\$ 295.00	\$ 11,210.00	114	\$ 50.00	\$ 5,700.00	\$ -	\$ 11,210.00	\$ 5,700.00	\$ 16,910.00
120 VOLT WEATHERPROOF OUTLET	222	ea.	\$ -	\$ -	\$ 115.00	\$ 25,530.00	444	\$ 50.00	\$ 22,200.00	\$ -	\$ 25,530.00	\$ 22,200.00	\$ 47,730.00
ELECTRICAL PEDESTAL	5	ea.	\$ -	\$ -	\$ 1,800.00	\$ 9,000.00	80	\$ 50.00	\$ 4,000.00	\$ -	\$ 9,000.00	\$ 4,000.00	\$ 13,000.00
ELECTRICAL PULL BOX	38	ea.	\$ -	\$ -	\$ 325.00	\$ 12,350.00	80	\$ 50.00	\$ 4,000.00	\$ -	\$ 12,350.00	\$ 4,000.00	\$ 16,350.00
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
2 INCH CONDUIT	24500	ft	\$ -	\$ -	\$ 0.95	\$ 23,275.00	720	\$ 50.00	\$ 36,000.00	\$ -	\$ 23,275.00	\$ 36,000.00	\$ 59,275.00
3 INCH CONDUIT	1500	ft	\$ -	\$ -	\$ 1.95	\$ 2,925.00	88	\$ 50.00	\$ 4,400.00	\$ -	\$ 2,925.00	\$ 4,400.00	\$ 7,325.00
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
#6 COPPER CONDUCTOR	11000	ft	\$ -	\$ -	\$ 0.95	\$ 10,450.00	175	\$ 50.00	\$ 8,750.00	\$ -	\$ 10,450.00	\$ 8,750.00	\$ 19,200.00
#4 COPPER CONDUCTOR	9600	ft	\$ -	\$ -	\$ 1.39	\$ 13,344.00	150	\$ 50.00	\$ 7,500.00	\$ -	\$ 13,344.00	\$ 7,500.00	\$ 20,844.00
#2 COPPER CONDUCTOR	28000	ft	\$ -	\$ -	\$ 2.25	\$ 63,000.00	375	\$ 50.00	\$ 18,750.00	\$ -	\$ 63,000.00	\$ 18,750.00	\$ 81,750.00
#1 COPPER CONDUCTOR	56000	ft	\$ -	\$ -	\$ 2.75	\$ 154,000.00	675	\$ 50.00	\$ 33,750.00	\$ -	\$ 154,000.00	\$ 33,750.00	\$ 187,750.00
#2/0 COPPER CONDUCTOR	12000	ft	\$ -	\$ -	\$ 3.95	\$ 47,400.00	175	\$ 50.00	\$ 8,750.00	\$ -	\$ 47,400.00	\$ 8,750.00	\$ 56,150.00
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
CUT AND PATCH	14000	ft	\$ -	\$ -	\$ 1.25	\$ 17,500.00	500	\$ 50.00	\$ 25,000.00	\$ -	\$ 17,500.00	\$ 25,000.00	\$ 42,500.00
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -		\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -
SUB-TOTAL			\$ -	\$ -	\$ 389,984.00	\$ 389,984.00			\$ 178,800.00	\$ -	\$ 389,984.00	\$ 178,800.00	\$ 568,784.00
CONTINGENCY (misc. Materials and labor)	30%		\$ -	\$ -	\$ 116,995.20	\$ 116,995.20			\$ 53,640.00	\$ -	\$ 116,995.20	\$ 53,640.00	\$ 170,635.20
SALES TAX	9%		\$ -	\$ -	\$ 45,628.13	\$ 45,628.13			NA	\$ -	\$ 45,628.13	NA	\$ 45,628.13
<b>ENGINEERS COST ESTIMATE TOTAL</b>			\$ -	\$ -	\$ 552,607.33	\$ 552,607.33			\$ 232,440.00	\$ -	\$ 552,607.33	\$ 232,440.00	\$ 785,047.33

**MICHAEL BUCCINO  
ASSOCIATES**



Landscape Architecture

77-734 Country Club Dr., Suite A-2, Palm Desert, CA 92211

(760) 772-7166 FAX (760) 772-7166

**COST ESTIMATE**

Job: UPTOWN PLANTERS  
PALM SPRINGS

Cost Estimate Status:

Date: 1-20-2015 By: M.B

Sheet 1 Of 1

Item	Qty	Unit	Unit COST	Item Total	Job Total	Remarks
IRRIGATION						
MAIN LINE	2300	LF	8 00	18,056 00		
ELECTRICAL VALVES	19	EA	380 00	7,220 00		
DAP HEADS	336	EA	35 00	11,760 00		
CONTROLLER	2	EA	550 00	1,100 00		
WIRE #14	2,257	L.F.	90	2,031 00		
QUICK COUPLERS	15	EA	250 00	3,750 00		
SELF FLUSH VALVES	8	EA	250 00	2,000 00		
BUBBLER HEADS	96	EA	35 00	3,360 00		FOR PALMS
REMOVE, REPLACE RENEWAL	2300	LF	12 00	27,600 00		FOR NEW MAINLINE
CROSS STREET	40	LF	40 00	1,600 00	78,477 00	
PLANTING						
SHRUBS	41	56L	35 00	1,435 00		
SHRUBS	30	26L	14 00	420 00		
SHRUBS	159	16L	14 00	2,226 00	4,109 00	
TOTAL					82,586 00	
15% CONTINGENCY					12,388 00	
GRAND TOTAL					94,974 00	