Ivins City Staff Report
City Council Meeting 4/15/2021

Agenda Item: Discuss approval of expenditure approved for streetlighting

Submitted by: Charles R. Gillette, P.E. City Engineer

Recommended City Council Action:
Approve amended amount approved for streetlighting

BACKGROUND:

Ivins City has been stocking streetlights for developer projects to prevent any excess charging from the suppliers. Also, Ivins City has budget to make improvements to the existing lighting system to (1) eliminate old styles of lights, (2) improve the day and night attractiveness of the streetscape and (3) improve the night-sky friendliness of the City's lights.

The public works department proposes this expenditure to meet these needs.

FINDINGS AND ANALYSIS:

The following expenditure is proposed.

FY2021 Spending:

- Immediate removal of eight streetlights, see attachment #1. Estimated Cost $6,000 charged by Rocky Mountain Power (RMP)
- 2021 City Streetlight Project: Purchase streetlight materials, see attachment #2 for map and attachment #3 for cost estimate. Estimated material cost: $40,994

FY2022 Spending

- Install City streetlights as proposed in attachment #2: Estimated cost $35,400. Staff will obtain at least two and preferably three bids to procure this work from a local electrician.
- Ivins City has only three lights and one bollard left in stock, authorization is needed to restock for upcoming developer projects. It is proposed that we order three 12' lights, three 14' lights and nine bollards. $24,618 part of which should be reimbursable as developments continue to go forward.

SUPPORT MATERIALS:

- Attachment #1 – Map of Immediate Light Removal
- Attachment #2 – Map of 2021 Streetlight Project
- Attachment #3 – Cost Estimates

FINANCIAL IMPACT:

The FY2021 Budget for streetlighting is $55,000 and so far has spent $3,411 which leaves $51,589. The FY2022 Tentative Budget for streetlighting is $55,000. If approved, the impact would not exceed the budgeted amounts.

Respectfully Submitted:

Charles R. Gillette, P.E. City Engineer

Content Review:

Dale Coulam, City Manager

Attachment #1 - Immediate Removals

Immediately Remove 8 lights	
450 N 400 W	To be replaced with updated lighting
200 N 200 W	Unnecessary with adjacent lighting
160 W Center	Customer requested, light has been turned off, needs to be removed to meet current standard
100 E Center	Flickering, decision made to remove rather than repair.
428 S 100 E	Old and dilapidated style lamp not needed per current standards
550 S Main	Old and dilapidated style lamp not needed per current standards
1018 S 200 E	In a private backyard, no working, and not needed per current standards
Pioneer Parkway/Old Highway 91	New lighting has been installed, this cobra head no longer serves a purpose, plus it is not working right

Legend

- RMP Maintenance (123)
- ANP (10)
- Spectra (63)
- Cobra (29)
- Acorn (3)
- Box Light (1)
- Cobra Arm (39)
- Old Lantern (53)
- Old Lamp (2)
- Bollard (236)

Ivins City Existing Streetlighting

Public Works Department
GIS Mapping
(435) 634-0689

Date: 3/24/2021

N W E S

0 370 740 1,480 2,220 2,960 Feet

1 inch = 1,464 feet

Attachment #2: 2021 City Streetlight Project

450 N 400 W
Remove 1 Cobra Head
Install 1 New Updated 14' Light
Removal: $750
Streetlight: $2434
Install: $1500

Center St: 200 East
Remove 3 Cobra Head Lights
Install 2 New Updated 18' Lights at Roundabout
Removal: $3000
Streetlight: $9104
Install: $3000

Center St: Park Ave Wy
Install 18' Updated Streetlight
Streetlight: Use Stock
Install: $650

Center St: Painted Hills/Padre Cyn Est Dr
Remove 30' cobra head -$1000
Install two 12' updated streetlights
Streetlights: $4,464
Power Supply: $2000 to $6000
Install Cost: $3000

Center St: 100 W and 150 W
Remove 2 Cobra Heads
Install 2 New Updated, one 18' and one 14' Light
Removal: $1500
Streetlight: $6784
Install: $3000

Center St: 200 East to Main St
Remove 6 Cobra Head Lights
Install 2 New Updated 18' Light at 100 E
Removal: $3500
Streetlight: $9104
Install: $3000

Center St: Puerto Dr & 400 East
Replace 2 Old Streetlight with new 18'
Removal: $1500
Streetlight: $9104
Install: $3000

Legend

- ANP (10)
- Spectra (63)
- Cobra (29)
- Acorn (3)
- Box Light (1)
- Cobra Arm (39)
- Old Lantern (53)
- Old Lamp (2)
- Bollard (236)

2021 City Streetlight Update Project

IVINS CITY UTAH

Public Works Department
GIS Mapping
(435) 634-0689

Date: 4/9/2021

N W E S

0 370 740 1,480 2,220 2,960 Feet

1 inch = 1,464 feet

Streetlighting Removals/Purchases/ and Installations
Cost Estimates
Attachment #3

Immediately Remove 8 lights		FY21
450 N 400 W	To be replaced with updated lighting	1,500
200 N 200 W	Unnecessary with adjacent lighting	0
160 W Center	Customer requested, light has been turned off, needs to be removed to meet current standard	750
100 E Center	Flickering, decision made to remove rather than repair.	0
428 S 100 E	Old and dilapidated style lamp not needed per current standards	750
550 S Main	Old and dilapidated style lamp not needed per current standards	750
1018 S 200 E	In a private backyard, no working, and not needed per current standards	750
Pioneer Parkway/Old Highway 91	New lighting has been installed, this cobra head no longer serves a purpose, plus it is not working right now.	1,000
	Total	5,500
	Use	6,000

Proposed 2021 Streetlight Project

			FY21 Materials	FY22 Install	FY22 Removals
Center St - Painted Hills/Padre Cyn Estates					
12’ lights	2	2,232	4,464	9,000	1,000
Center St - Park Ave Wy					
18’ lights	1	0	0	650	0
Center St - Puerto and 400 E (south sides)					
18’ lights	2	4,552	9,104	3,000	1,500
Center St - 200 East					
18’ lights	2	4,552	9,104	3,000	3,000
Center St - to Main					
Removals	6				4,500
18’ lights	2	4,552	9,104	3,000	
Center St - 100 W					
18’ lights	1	4,552	4,552	1,500	750
12’ lights	1	2,232	2,232	1,500	750
450 North 400 W					
14' light	1	2,434	2,434	1,500	750
		Totals	40,994	23,150	12,250
			FY2021 Total		46,994
			FY2022 Total		35,400
12’ lights	3	2,232	6,696		
14' light	3	2,434	7,302		
Bollards	9	1,180	10,620		
		FY2022:	24,618	(Partially Reimbursible)	