

1 Q. **Project C-64: Replace Aircraft Markers at Grand Lake Crossing - TL228 (Grand**
2 **Lake/Glover Island)**

3 Volume I, Tab C, pages C-64 to C-65, cites Appendix, "Replace Aircraft Obstruction
4 Lighting" found in Volume III, Tab 20. On page 5 of this Appendix, it notes that since
5 1993, preventative and corrective maintenance has been performed, as required on
6 the existing marker systems. Please provide log of maintenance history for the
7 existing marker systems.

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9
10 A. The historical maintenance logs for the Grand Lake Crossing aircraft marker system
11 can be found in IC-NLH-032 Attachment 1.¹

¹ Maintenance queries are not generated in chronological order.

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
810038	9/7/2012		SOLAR SITE #1, LONG SPAN WEST	80	3
		REPLACE TWO BATTERIES IN SOLAR CABINET. BATTERIES FAILED. RECOMMEND CHANGING ENTIRE BANK AS THIS IS THE ONLY SITE WITH ORIGINAL BATTERIES.			
		SITE #1 NOT WORKING. INSTALLED TWO 12V DEEP CYCLE 115AH MARINE BATTERIES. THIS IS TEMPORARY UNTIL PROPER REPLACEMENT. COMPLETED BY: D. STIRLING/T. KEOUGH/P. CURTIS COMPLETED DATE: 12-09-07			
876634	11/23/2011		SOLAR SITE #1, LONG SPAN WEST	80	3
		COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW. 2. SOLAR SITE # 1			
		LIGHT NOT WORKING. VOLTAGE TOO LOW ON BATTERY TO OPERATE CONTROLLER. BATTERY NEEDS TO BE REPLACED. FIVE CELLS LESS THAN TWO VOLTS. TWO OF THEM LESS THAN 1 VDC .6VDC, .9VDC. COMPLETED BY: T. KEOUGH/S. ROSE COMPLETED DATE: 11-11-23			
883932	1/11/2012		SOLAR SITE #1, LONG SPAN WEST	80	2
		GLE,SOLAR site replace battery's replace battery's found damaged during annual pm inspection tower lts not working.			

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

932765	9/6/2012	SOLAR SITE #1, LONG SPAN WEST	80	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				
2. SOLAR SITE # 1				
UNABLE TO PERFORM PM DUE TO LOW BATTERY VOLTAGE 8.5 VOLTS (24 VOLTS REQUIRED). PURCHASED/INSTALLED TWO NEW DEEP CYCLE 12V MARINE BATTERIES. REPLACED MERCURY CONTACTOR AND PHOTOCCELL. SITE #1 WORKING OK. ONE SIEMENS 60W PANEL BROKEN, VOLTAGE OUTPUT OK. COMPLETED BY: D. STIRLING/T. KEOUGH/P. CURTIS COMPLETED DATE: 12-09-07				
1000070	10/10/2013	SOLAR SITE #1, LONG SPAN WEST	80	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				
2. SOLAR SITE # 1				
COMPLETED ALL CHECKS AS PER ATTACHED INSPECTION FORMS. NEED NEW BATTERY BANK. SITE WORKING ON TWO 12VDC MARINE BATTERIES. SITE WORKING OK. COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE COMPLETED DATE: 13-10-10				
1072177	11/6/2014	SOLAR SITE #1, LONG SPAN WEST	80	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				
2. SOLAR SITE # 1				
TRAVELLED TO SITE #1 TO FIND BATTERY VOLTAGE AT 7 VOLTS. REMOVED FROM SERVICE AND INSTALLED TWO NEW NAPA DEEP CYCLE BATTERIES, SERIAL #021190. PUT IN SERVICE. NIGHT LIGHT WORKING IN NIGHT MODE BUT NOT IN DAY MODE.				

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

NEEDS NEW DC CONVERTER BOARD.
COMPLETED BY: S. ROSE/D. STAPLETON
COMPLETED DATE: 14-11-06

1116967 5/1/2015

SOLAR SITE #1, LONG SPAN WEST

80 3

GLE SOLAR SITE BEACON LT
Beacon tower light not working,repalce charge boards

TRAVELLED TO SITE #1 TO FIND FLASH HEAD NOT WORKING.
VOLTAGE TEST ON BATTERY BANK SHOWED 11.3 VDC WITH
ARRAYS OPENED. CHANGED OUT BATTERIES WITH TWO NEW.
COMPLETED BY: S. ROSE/T. KEOUGH
COMPLETED DATE: 15-05-01

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
11448	4/5/2000		SOLAR SITE #1, LONG SPAN WEST	90	3
<p>STORAGE CABINET, CONSTRUCT FOR SOLAR SITE. 10138 - Reported by: MATERIALS REQUIRED: ONE 24 D.C. PHOTOCELL. -----</p> <p>1. CONSTRUCT OR OBTAIN STORAGE CABINET TO STORE ITEMS INSIDE THE SITE CABINETS. 2. MOUNT CABINETS USING HOLLOW WIRE ANCHORS TO RIGHT SIDE OF CABINET. 3. ITEMS TO BE STORED ARE MANUAL, FIRST AID KIT, AND SPARE PHOTOCELL.</p>					
COMPLETED BY R. COMPTON.					
11459	3/21/2000		SOLAR SITE #1, LONG SPAN WEST	90	3
<p>SC-PVL CONTROLLER, MODIFY. REPLACE COMPONENTS IN CONTROLLER AS PER DRAWINGS AND INSTRUCTIONS FROM NORTHERN PC 10161 - Reported by: TRADES CODE: EM-A, REQ. 2, EST. HOURS: 4. REFER TO SOLS MANUAL AND NORTHERN POWER SCHEMATICS & INSTRUCTIONS. MATERIALS & PARTS: WIRE AS REQUIRED. SPECIAL TOOLS & EQUIPMENT: PROPANE SOLDERING IRON, MODIFY SPARE BOARD AT S'VILLE, SET UP SHOP AT CAMP, CHANGE ONE SITE WITH MODIFIED BOARD, BRING REMAINING BOARDS TO CAMP FOR MODIFICATION, AND REINSTALL AND CHANGE WIRING.</p>					
COMPLETED BY R. COOK/G. HILLIER.					

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

338369	6/14/2004	SOLAR SITE #1, LONG SPAN WEST	90	3
GLE,DIODES/RESISTORS,INSTALL HELICOPTER NOT REQUIRED TO ACCESS SITES.				
428347	4/28/2006	SOLAR SITE #1, LONG SPAN WEST	90	3
GLE,DIODE BOARD,REPLACE REPLACE DIODE BOARD IN FLASH GUARD CABINET.				
REPLACED GLE DIODE BOARD. COMPLETED BY: T.KEOUGH COMPLETED DATE: 06-04-28				
428348	4/28/2006	SOLAR SITE #1, LONG SPAN WEST	90	3
GLE,HIGH VOLTAGE CABLE,REPAIR 1. INSTALL JUNCTION BOX ON STRUCTURE 2. TERMINATE EXISTING CABLE IN BOX 3. INSTALL 1" CONDUIT FROM BOX TO CABINET 4. INSTALL AND TERMINATE NEW CABLE				
REPLACED HIGH VOLTAGE CABLE. COMPLETED BY: T.KEOUGH/D.STIRLING COMPLETED DATE: 06-04-28				
507450	4/28/2006	SOLAR SITE #1, LONG SPAN WEST	90	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW. 1. SOLAR SITE # 1,LONG SPAN WEST CROSSING.				
COMPLETED GLE SOLAR ANNUAL PM INSPECTION. COMPLETED BY: T.KEOUGH/D.STIRLING COMPLETED DATE: 06-04-28				

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

530262	8/22/2007	SOLAR SITE #1, LONG SPAN WEST	90	4
GLE, REPLACE PHOTO CELL				
INSTALLED NEW 24V RELAY ALONG WITH PHOTO CELL TO ACCOMMODATE FOR HIGH SWITCHING CURRENTS. COMPLETED BY: D. STIRLING/T. PARK COMPLETED DATE: 07-08-22				
601532	8/22/2007	SOLAR SITE #1, LONG SPAN WEST	90	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				
2. SOLAR SITE # 1				
COMPLETED CHECKS AS PER INSPECTION FORMS. INSTALLED NEW 24V RELAY IN DAY/NIGHT SWITCHING CIRCUIT. COMPLETED BY: D. STIRLING/T. PARK COMPLETED DATE: 07-08-22				
658623	6/28/2008	SOLAR SITE #1, LONG SPAN WEST	90	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				
2. SOLAR SITE # 1				
COMPLETED PM INSPECTION. COMPLETED BY: T. KEOUGH/M. CANNING/S. ROSE COMPLETED DATE: 08-06-28				
720306	6/19/2009	SOLAR SITE #1, LONG SPAN WEST	90	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

2. SOLAR SITE # 1

COMPLETED PM INSPECTION.
COMPLETED BY: D. STIRLING/M. CANNING
COMPLETED DATE: 09-06-19

784601 10/27/2010

SOLAR SITE #1, LONG SPAN WEST 90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

2. SOLAR SITE # 1

COMPLETED PM INSPECTION. JARS 10 AND 12 HAVE FAILED.
REPLACED PHOTOCCELL. NEW ONE NOT WORKING EITHER. SITE
LEFT IN NIGHT MODE BUT WORKING.
COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE
COMPLETED DATE: 10-10-14

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
876635	11/23/2011		SOLAR SITE #2, LONG SPAN EAST.	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>2. SOLAR SITE # 2,LONG SPAN EAST CROSSING.</p>					
<p>HALF THE SOLAR PANELS NOT WORKING. COMPLETED BY: T. KEOUGH/S. ROSE COMPLETED DATE: 11-11-23</p>					
932763	9/6/2012		SOLAR SITE #2, LONG SPAN EAST.	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>2. SOLAR SITE # 2,LONG SPAN EAST CROSSING.</p>					
<p>SITE WORKING IN DAY MODE ONLY. TWO 20 AMP FUSES BLOWN IN PV ARRAYS (REPLACED). TWO BATTERIES NEED TO BE REPLACED. SITE REQUIRES FIRST AID KIT. COMPLETED BY: D. STIRLING/S. ROSE/T. KEOUGH COMPLETED DATE: 12-09-07</p>					
1000071	10/10/2013		SOLAR SITE #2, LONG SPAN EAST.	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>2. SOLAR SITE # 2,LONG SPAN EAST CROSSING.</p>					
<p>COMPLETED PM INSPECTION ON SITE #2. REPLACED PHOTOCELL. SITE WORKING OK. COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE COMPLETED DATE: 13-10-11</p>					

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

1072175 11/6/2014

SOLAR SITE #2, LONG SPAN EAST. 80 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

2. SOLAR SITE # 2, LONG SPAN EAST CROSSING.

TRAVELLED TO SITE #3 AND FOUND NO LIGHT WORKING ON TOWER.
OPENED CABINET AND FOUND ONE BATTERY TERMINAL COMPLETELY
CORRODED OFF. MANAGED TO GET A JUMPER TO CONTINUE POWER
ON AND CHANGED A SETTING ON THE TRIGGER BOARD AND LIGHT
WORKS GREAT.

COMPLETED BY: S. ROSE/D. STAPLETON

COMPLETED DATE: 14-11-05

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
11446	4/5/2000	PHOTOCELL, SOLAR LIGHT, REPLACE. 10136 - Reported by: MATERIALS REQUIRED: ONE 24 D.C. PHOTOCELL ----- 1. REPLACE PHOTOCELL. 2. CHECK OPERATION OF SYSTEM.	SOLAR SITE #2, LONG SPAN EAST.	90	3
COMPLETED BY R. COOK/R. COMPTON.					
11447	4/5/2000	FIRST AID KIT, REPLENISH SUPPLIES. PLACE SPARE PHOTOCELL IN CABINET. 10137 - Reported by: MATERIALS REQUIRED: ONE CPR RESUE BREATHER, ONE PAIR SURGICAL GLOVES, AND ONE 24 D.C. PHOTOCELL. ----- ----- 1. ON NEXT TRIP TO SITE PLACE ABOVE ITEMS IN FIRST AID KIT AND PLACE SPARE PHOTOCELL IN CABINET.	SOLAR SITE #2, LONG SPAN EAST.	90	3
COMPLETED BY R. COMPTON.					
11449	4/5/2000	STORAGE CABINET, CONSTRUCT FOR SOLAR SITE. 10139 - Reported by: MATERIALS REQUIRED: ONE 24 D.C. PHOTOCELL.	SOLAR SITE #2, LONG SPAN EAST.	90	3

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

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1. CONSTRUCT OR OBTAIN STORAGE CABINET TO STORE ITEMS INSIDE THE SITE CABINETS.
 2. MOUNT CABINETS USING HOLLOW WIRE ANCHORS TO RIGHT SIDE OF CABINET.
 3. ITEMS TO BE STORED ARE MANUAL, FIRST AID KIT, AND SPARE PHOTOCELL.

COMPLETED BY R. COMPTON.

11460

3/21/2000

SOLAR SITE #2, LONG SPAN EAST.

90 3

SC-PVL CONTROLLER, MODIFY.
 REPLACE COMPONENTS IN
 CONTROLLER AS PER DRAWINGS AND INSTRUCTIONS FROM NORTHERN PC
 10162 - Reported by:
 TRADES CODE: EM-A, REQ. 2, EST. HOURS: 4.
 REFER TO SOLS MANUAL AND NORTHERN POWER SCHEMATICS &
 INSTRUCTIONS.
 MATERIALS & PARTS: WIRE AS REQUIRED.
 SPECIAL TOOLS & EQUIPMENT: PROPANE SOLDERING IRON, MODIFY
 SPARE BOARD AT S'VILLE, SET UP SHOP AT CAMP, CHANGE ONE SITE
 WITH MODIFIED BOARD, BRING REMAINING BOARDS TO CAMP FOR MODE
 ATION, AND REINSTALL AND CHANGE WIRING.

COMPLETED BY R. COOK/G. HILLIER.

301945

4/22/2003

SOLAR SITE #2, LONG SPAN EAST.

90 2

GRAND LAKE CROSSING, TL228, SOLAR LIGHT, REPAIR
 HELICOPTER REQUIRED FOR TRANSPORTATION TO SITE

INSTALLED TEMPORARY BATTERY BANK. PARALLELED WITH
 EXISTING BANK TO INCREASE CAPACITY.
 COMPLETED BY: R.COOK/T.KEOUGH
 COMPLETED DATE: 03-04-22

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

336688	9/28/2004	SOLAR SITE #2, LONG SPAN EAST.	90	2
GRAND LAKE CROSSING, TL228, SOLAR LIGHT, REMOVE OLD BATTERY AND REPLACE WITH NEW				
INSTALLED TEMPORARY BATTERY BANK. PARALLELED WITH EXISTING BANK TO INCREASE CAPACITY. COMPLETED BY: R. COOK/T. KEOUGH COMPLETED DATE: 03-04-22 INSTALLED NEW BATTERY. COMPLETED BY: E/M WEST CREW COMPLETED DATE: 04-09-28				
428345	10/29/2004	SOLAR SITE #2, LONG SPAN EAST.	90	3
GLE, PV-HVD RELAY, INSTALL HELICOPTER REQUIRED				
INSTALLED RELAY. COMPLETED BY: R. COOK/T. PARK				
507452	4/28/2006	SOLAR SITE #2, LONG SPAN EAST.	90	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW. 2. SOLAR SITE # 2, LONG SPAN EAST CROSSING.				
COMPLETED GLE SOLAR ANNUAL PM INSPECTION. COMPLETED BY: T. KEOUGH/D. STIRLING COMPLETED DATE: 06-04-28				
582683	8/20/2007	SOLAR SITE #2, LONG SPAN EAST.	90	3
COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.				

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

2. SOLAR SITE # 2, LONG SPAN EAST CROSSING.

COMPLETED CHECKS ARE PER INSPECTION FORMS. PHOTO CELL
NOT WORKING.

COMPLETED BY: D. STIRLING/T. PARK

COMPLETED DATE: 07-08-20

658624 6/27/2008

SOLAR SITE #2, LONG SPAN EAST.

90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

2. SOLAR SITE # 2, LONG SPAN EAST CROSSING.

COMPLETED PM INSPECTION.

COMPLETED BY: T. KEOUGH/M. CANNING/S. ROSE

COMPLETED DATE: 08-06-27

720307 6/19/2009

SOLAR SITE #2, LONG SPAN EAST.

90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

2. SOLAR SITE # 2, LONG SPAN EAST CROSSING.

COMPLETED PM INSPECTION.

COMPLETED BY: D. STIRLING/M. CANNING

COMPLETED DATE: 09-06-19

784602 10/27/2010

SOLAR SITE #2, LONG SPAN EAST.

90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

2. SOLAR SITE # 2, LONG SPAN EAST CROSSING.

COMPLETED ANNUAL PM INSPECTION. SITE IN GOOD
WORKING ORDER.

COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

COMPLETED DATE: 10-10-14

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
784603	11/23/2011		SOLAR SITE #3, SHORT SPAN WEST	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.</p>					
<p>COMPLETED PM INSPECTION. COMPLETED BY: T. KEOUGH/S. ROSE COMPLETED DATE: 11-11-23</p>					
932764	9/6/2012		SOLAR SITE #3, SHORT SPAN WEST	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.</p>					
<p>PERFORMED PM ON SITE #3. ONLY TWO PV ARRAYS WERE WORKING DUE TO THEFT. MANAGED TO REPAIR ANOTHER GROUP OF PV ARRAYS CIRCUIT. CHANGED PHOTO CELL SYSTEM. KEEPS GOING ON LVD. THREE PV CIRCUITS WORKING. SHOULD BE ABLE TO MAINTAIN SYSTEM. COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE COMPLETED DATE: 12-09-06</p>					
1000072	10/10/2013		SOLAR SITE #3, SHORT SPAN WEST	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.</p>					
<p>COMPLETED SOLAR ANNUAL INSPECTION. NEED TO RE-VISIT SITE ARRAY CIRCUIT #3 DISCONNECTED. REPLACED PHOTOCCELL. SITE LEFT IN NIGHT MODE. DIODE BOARD BURNT OUT, NO</p>					

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

SPARES.
COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE
COMPLETED DATE: 13-10-11

1072179 11/6/2014

SOLAR SITE #3, SHORT SPAN WEST 80 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.

SITE WORKING GOOD.
COMPLETED BY: S. ROSE/D. STAPLETON
COMPLETED DATE: 14-11-06

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
490101	4/27/2006		SOLAR SITE #3, SHORT SPAN WEST	90	3
		INVESTIGATE AND REPAIR HVD RELAY ON SITE #3 GRAND LAKE LIGHTS. VOLTAGE NOT REGULATED ON BATTERY WHEN THREE CIRCUITS ARRAYS (SOLAR PANEL) ENTER INTO CHARGING CURRENTS.			
		COMPLETED GLE SOLAR #3 HVD RELAY. COMPLETED BY: T.KEOUGH/D.STIRLING COMPLETED DATE: 06-04-27			
522385	4/27/2006		SOLAR SITE #3, SHORT SPAN WEST	90	4
		GLE,REPLACE BATTERY BANK			
		INSTALLED GNB 12 CELL BATTERIES, SITE #3. OLD BATTERIES DISPOSED OF AT K & J METALS. COMPLETED BY: T. KEOUGH/D. STIRLING COMPLETED DATE: 06-04-27			
507454	4/27/2006		SOLAR SITE #3, SHORT SPAN WEST	90	3
		COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW. 1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.			
		COMPLETED GLE SOLAR ANNUAL PM INSPECTION. COMPLETED BY: T.KEOUGH/D.STIRLING COMPLETED DATE: 06-04-27			
582684	8/22/2007		SOLAR SITE #3, SHORT SPAN WEST	90	3
		COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.			

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.

COMPLETED INSPECTIONS AS PER INSPECTION FORMS. LEFT
IN NIGHT MODE TO SAVE BATTERY LIFE. PHOTO CELL NOT
WORKING. THREE PV PANELS MISSING. BATTERIES NOT
RECEIVING PROPER CHARGE.
COMPLETED BY: T. PARK/D. STIRLING
COMPLETED DATE: 07-08-22

658626 6/28/2008 SOLAR SITE #3, SHORT SPAN WEST 90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.

COMPLETED PM INSPECTION.
COMPLETED BY: T. KEOUGH/M. CANNING/S. ROSE
COMPLETED DATE: 08-06-28

720308 6/19/2009 SOLAR SITE #3, SHORT SPAN WEST 90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.

COMPLETED ANNUAL PM INSPECTION.
COMPLETED BY: D. STIRLING/M. CANNING
COMPLETED DATE: 09-06-19

11450 4/5/2000 SOLAR SITE #3, SHORT SPAN WEST 90 3

STORAGE CABINET, CONSTRUCT FOR
SOLAR SITE.
10140 - Reported by:
MATERIALS REQUIRED: ONE 24 D.C. PHOTOCELL.

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

1. CONSTRUCT OR OBTAIN STORAGE CABINET TO STORE ITEMS
INSIDE THE SITE CABINETS.
2. MOUNT CABINETS USING HOLLOW WIRE ANCHORS TO RIGHT SIDE
OF CABINET.
3. ITEMS TO BE STORED ARE MANUAL, FIRST AID KIT, AND SPARE
PHOTOCELL.

COMPLETED BY R. COMPTON.

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
876636	11/23/2011		SOLAR SITE #4, SHORT SPAN EAST	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
<p>COMPLETED PM INSPECTION. COMPLETED BY: T. KEOUGH/S. ROSE COMPLETED DATE: 11-11-23</p>					
932766	9/6/2012		SOLAR SITE #4, SHORT SPAN EAST	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
<p>SITE NOT WORKING. REPLACED DIODE BOARD AND PHOTOCELL. ALSO, REPLACED THREE 20 OHM RESISTORS. COMPLETED BY: D. STIRLING/S. ROSE/T. KEOUGH COMPLETED DATE: 12-09-05</p>					
1000073	10/10/2013		SOLAR SITE #4, SHORT SPAN EAST	80	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
<p>PERFORMED PM INSPECTION ON SOLAR SITE #4. REPLACED PHOTOCELL. SITE WORKING OKAY. COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE COMPLETED DATE: 13-10-11</p>					

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

1072180 11/5/2014

SOLAR SITE #4, SHORT SPAN EAST 80 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.

SITE ONLY WORKING IN NIGHT. BOARD SEEMS TO BE DC
CONVERTER BOARD FAULTY.
COMPLETED BY: S. ROSE/D. STAPLETON
COMPLETED DATE: 14-11-06

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
507455	4/28/2006		SOLAR SITE #4, SHORT SPAN EAST	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
<p>COMPLETED GLE SOLAR ANNUAL PM INSPECTIONS.</p> <p>COMPLETED BY: T.KEOUGH</p> <p>COMPLETED DATE: 06-04-28</p>					
582685	8/22/2007		SOLAR SITE #4, SHORT SPAN EAST	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
<p>COMPLETED CHECKS AS PER INSPECTION FORMS. PHOTO CELL NOT WORKING. UNIT LEFT IN DAY MODE.</p> <p>COMPLETED BY: D. STIRLING/T. PARK</p> <p>COMPLETED DATE: 07-08-27</p>					
658627	6/26/2008		SOLAR SITE #4, SHORT SPAN EAST	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
<p>COMPLETED PM INSPECTION.</p> <p>COMPLETED BY: M. CANNING/T. KEOUGH/S. ROSE</p> <p>COMPLETED DATE: 08-06-26</p>					
720309	6/19/2009		SOLAR SITE #4, SHORT SPAN EAST	90	3

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.

COMPLETED PM INSPECTION.

COMPLETED BY: D. STIRLING/M. CANNING

COMPLETED DATE: 09-06-19

784604 10/27/2010

SOLAR SITE #4, SHORT SPAN EAST

90 3

COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.

REPLACED PHOTOCELL, DIODE BOARD. SIX SOLAR PANELS
NEED TO BE REPLACED. NO FIRST AID KIT ON SITE. SITE
WORKING OK.

COMPLETED BY: D. STIRLING/T. KEOUGH/S. ROSE

COMPLETED DATE: 10-10-14

11451 4/5/2000

SOLAR SITE #4, SHORT SPAN EAST

90 3

STORAGE CABINET, CONSTRUCT FOR
SOLAR SITE.

10141 - Reported by:

MATERIALS REQUIRED: ONE 24 D.C. PHOTOCELL.

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1. CONSTRUCT OR OBTAIN STORAGE CABINET TO STORE ITEMS
INSIDE THE SITE CABINETS.
 2. MOUNT CABINETS USING HOLLOW WIRE ANCHORS TO RIGHT SIDE
OF CABINET.
 3. ITEMS TO BE STORED ARE MANUAL, FIRST AID KIT, AND SPARE
PHOTOCELL.

COMPLETED BY R. COMPTON.

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

428343 10/29/2004

SOLAR SITE #4, SHORT SPAN EAST 90 3

GLE, TEMP. BATTERIES, INSTALL
OBTAIN TEMP. BATTERIES FROM SITE #2. PARALLEL TWO BATTERIES
IN TEMPORARY BANK. SUBSTITUTE TEMP. BANK FOR TWO MODULES
WITH BAD CELLS.

INSTALL BATTERIES.
COMPLETED BY: R. COOK/T. PARK

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
810035	10/19/2010		SOLAR SITES,	71	3
INSTALL TWO FIRST AID KITS AT SITES #1 AND #4.					

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

WO#	Comp. Date	Description/Actual Work	Item Description	St	Pri
140091	4/5/2000		SOLAR SITES,	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 1,LONG SPAN WEST CROSSING. 2. SOLAR SITE # 2,LONG SPAN EAST CROSSING. 3. SOLAR SITE # 3,SHORT SPAN WEST CROSSING. 4. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
COMPLETED BY R. COOK/R. COMPTON.					
176490	10/16/2000		SOLAR SITES,	90	3
CHECK OPERATION OF SOLAR LIGHTS. THREE LOCATIONS REPORTED NOT WORKING, GRAND LAKE.					
COMPLETED BY R. COOK/T. PARK.					
176501	10/17/2000		SOLAR SITES,	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 1,LONG SPAN WEST CROSSING. 2. SOLAR SITE # 2,LONG SPAN EAST CROSSING. 3. SOLAR SITE # 3,SHORT SPAN WEST CROSSING. 4. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>					
COMPLETED BY R. COOK/T. PARK.					
177071	10/16/2000		SOLAR SITES,	90	3
REPLACE PATIO ON GRAND LAKE CABIN.					

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Transmission Line Mtce Dept

COMPLETED BY S'VILLE LINE CREW.

191527	3/30/2001	SOLAR SITES,	90	3
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COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 1,LONG SPAN WEST CROSSING.
2. SOLAR SITE # 2,LONG SPAN EAST CROSSING.
3. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.
4. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.

COMPLETED SOLAR PM INSPECTIONS.

COMPLETED BY: R.COOK/P. KEOUGH/D. BLAKE
 COMPLETED DATE: 01-03-30

235825	10/25/2001	SOLAR SITES,	90	3
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COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.

1. SOLAR SITE # 1,LONG SPAN WEST CROSSING.
2. SOLAR SITE # 2,LONG SPAN EAST CROSSING.
3. SOLAR SITE # 3,SHORT SPAN WEST CROSSING.
4. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.

COMPLETED SOLAR PM INSPECTIONS.
 REPLACED PHOTO CELLS.
 COMPLETED BY: R.COOK/D.BLAKE

COMPLETED DATE: 01-10-25

241131	12/10/2001	SOLAR SITES,	90	3
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GLE,SOLAR SITE#1,REPAIRS

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

270869	9/19/2002	SOLAR SITES,	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 1,LONG SPAN WEST CROSSING. 2. SOLAR SITE # 2,LONG SPAN EAST CROSSING. 3. SOLAR SITE # 3,SHORT SPAN WEST CROSSING. 4. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>				
<p>COMPLETED SOLAR PM INSPECTIONS. COMPLETED BY: R.COMPTON/T.KEOUGH COMPLETED DATE: 02-09-19</p>				
335204	4/13/2004	SOLAR SITES,	90	3
<p>COMPLETE THE PM INSPECTIONS ON THE SOLAR SITES LISTED BELOW.</p> <p>1. SOLAR SITE # 1,LONG SPAN WEST CROSSING. 2. SOLAR SITE # 2,LONG SPAN EAST CROSSING. 3. SOLAR SITE # 3,SHORT SPAN WEST CROSSING. 4. SOLAR SITE # 4,SHORT SPAN EAST CROSSING.</p>				
<p>TWO CELLS #7 AND #9 BELOW ONE VOLT. SEVEN CELL POSTS CRACKED AND CELL SWOLLEN. #1 CELL BELOW ONE VOLT. COMPLETED BY: T. PARK/P. MCKAY</p>				
466159	9/29/2005	SOLAR SITES,	90	4
Grand Lake Crossing-Repl Batt Bank				
<p>INSTALLED BATTERY BANK AT SITE #4 GNB ABSOLYTE, MOD. #50A27. AMP HOUR RATING - 680. SALES ORDER #324703. OLD BATTERY BANK SCRAPPED (K&J METALS) COMPLETED BY: T. PARK/T. KEOUGH/D. STIRLING COMPLETED DATE: 05-09-29</p>				

9/17/2015

Work Order Description & Actual Work

Supervisor: SVL Station Mtce Dept

606900

6/27/2008

SOLAR SITES,

90 3

CONSTRUCT THE THREE REMAINING CIRCUITS FOR GLE DAY/NIGHT
SWITCHING CIRCUIT.
SITES 2, 3 AND 4.

INSTALLED RELAY CIRCUITS.
COMPLETED BY: T. KEOUGH/M. CANNING/S. ROSE
COMPLETED DATE: 08-06-27