

**EXISTING SERVICE PEDESTAL SP1 CIRCUIT CAPACITY VERIFICATION  
DESERT INN RD/VALLEY VIEW BLVD (SE CORNER)**

CIRCUIT NAME:	SP1-A	SP1-C		
CIRCUIT TYPE:	STREET LIGHTING	INTERSECTION LIGHTING		
VOLTAGE:	240	120		
CIRCUIT CAPACITY:	60	40		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	32		
EXISTING LOAD	0	0		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	1	4	4	16
TOTAL PROPOSED LOAD AMPS =	4		16	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - PROPOSED =	44		16	

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**EXISTING SERVICE PEDESTAL SP2 CIRCUIT CAPACITY VERIFICATION  
XXXX DESERT INN RD**

CIRCUIT NAME:	SP2-A	
CIRCUIT TYPE:	STREET LIGHTING	
VOLTAGE:	240	
CIRCUIT CAPACITY:	60	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	
EXISTING LOAD	14	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	7	10.5
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	1	4
TOTAL PROPOSED LOAD AMPS =	14.5	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	19	

**SERVICE PEDESTAL SP3 CIRCUIT CAPACITY VERIFICATION  
SIRIUS AVE/VALLEY VIEW BLVD (SE CORNER)**

CIRCUIT NAME:	SP3-A	SP3-C		
CIRCUIT TYPE:	STREET LIGHTING	INTERSECTION LIGHTING		
VOLTAGE:	240	120		
CIRCUIT CAPACITY:	60	40		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	32		
EXISTING LOAD	16	0		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	13	19.5	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0	4	16
TOTAL PROPOSED LOAD AMPS =	35.5		16	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - PROPOSED =	12		16	

**SERVICE PEDESTAL SP4 CIRCUIT CAPACITY VERIFICATION  
MEADE AVE/VALLEY VIEW BLVD (NE CORNER)**

CIRCUIT NAME:	SP4-A	SP4-B		SP4-C		
CIRCUIT TYPE:	STREET LIGHTING	STREET LIGHTING		INTERSECTION LIGHTING		
VOLTAGE:	240	240		120		
CIRCUIT CAPACITY:	60	60		40		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	48		32		
EXISTING LOAD	0	0		0		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	10	15	6	9	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0	0	0	2	8
TOTAL PROPOSED LOAD AMPS =	15		9		8	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - PROPOSED =	33		39		24	

**SERVICE PEDESTAL SP5 CIRCUIT CAPACITY VERIFICATION  
PENNWOOD AVE/ VALLEY VIEW BLVD (SE CORNER)**

CIRCUIT NAME:	SP5-B	SP5-C		
CIRCUIT TYPE:	STREET LIGHTING	INTERSECTION LIGHTING		
VOLTAGE:	240	120		
CIRCUIT CAPACITY:	60	40		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	32		
EXISTING LOAD	13	0		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	6	9	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0	3	12
TOTAL PROPOSED LOAD AMPS =	9		12	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - PROPOSED =	26		20	

**EXISTING SERVICE PEDESTAL SP6 CIRCUIT CAPACITY VERIFICATION  
SAHARA AVE/VALLEY VIEW BLVD (NW CORNER)**

CIRCUIT NAME:	SP6-C	
CIRCUIT TYPE:	INTERSECTION LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	16	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16	

**SERVICE PEDESTAL SP7 CIRCUIT CAPACITY VERIFICATION  
EL CAMINO AVE/VALLEY VIEW BLVD (SW CORNER)**

CIRCUIT NAME:	SP7-A	SP7-B		SP7-D		
CIRCUIT TYPE:	STREET LIGHTING	STREET LIGHTING		TRAIL BLAZER SIGNS		
VOLTAGE:	240	240		120		
CIRCUIT CAPACITY:	60	60		30		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	48		24		
EXISTING LOAD	0	0		0		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	22	33	21	31.5	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	1	4	1	4	0	0
TOTAL PROPOSED LOAD AMPS =	37		36		0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - PROPOSED =	11		12		24	

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**EXISTING SERVICE PEDESTAL SP8 CIRCUIT CAPACITY VERIFICATION  
OAKY BLVD/VALLEY VIEW BLVD (SE CORNER)**

CIRCUIT NAME:	SP8-X	
CIRCUIT TYPE:	INTERSECTION LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	16	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16	

**SERVICE PEDESTAL SP9 CIRCUIT CAPACITY VERIFICATION  
PARATORE WAY/VALLEY VIEW BLVD (SE CORNER)**

CIRCUIT NAME:	SP9-A	SP9-B		SP10-D		
CIRCUIT TYPE:	STREET LIGHTING	STREET LIGHTING		TRAIL BLAZER SIGN		
VOLTAGE:	240	240		120		
CIRCUIT CAPACITY:	60	60		30		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	48		24		
EXISTING LOAD	5	0		0		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	14	21	14	21	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0	0	0	0	0
TOTAL PROPOSED LOAD AMPS =	21		21		0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	22		27		24	

**EXISTING SERVICE PEDESTAL SP10 CIRCUIT CAPACITY VERIFICATION  
VILLAGE AT VV/VALLEY VIEW BLVD (SW CORNER)**

CIRCUIT NAME:	SP10-C	
CIRCUIT TYPE:	INTERSECTION LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	8	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	24	

**EXISTING SERVICE PEDESTAL SP11 CIRCUIT CAPACITY VERIFICATION  
3820 CHARLESTON BLVD**

CIRCUIT NAME:	SP11-C	
CIRCUIT TYPE:	INTERSECTION LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	16	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16	

**EXISTING SERVICE PEDESTAL SP12 CIRCUIT CAPACITY VERIFICATION  
721 FULTON PL**

CIRCUIT NAME:	SP12-A	
CIRCUIT TYPE:	STREET LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	16	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16	

**EXISTING SERVICE PEDESTAL SP13 CIRCUIT CAPACITY VERIFICATION  
717 VALLEY VIEW BLVD**

CIRCUIT NAME:	SP13-A	SP13-C		
CIRCUIT TYPE:	STREET LIGHTING	INTERSECTION LIGHTING		
VOLTAGE:	240	120		
CIRCUIT CAPACITY:	60	40		
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	48	32		
EXISTING LOAD	11	16		
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	14	21	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0	0	0
TOTAL PROPOSED LOAD AMPS =	21		0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16		16	

**EXISTING SERVICE PEDESTAL SP14 CIRCUIT CAPACITY VERIFICATION ALTA  
DR/VALLEY VIEW BLVD (SW CORNER)**

CIRCUIT NAME:	SP14-C	
CIRCUIT TYPE:	INTERSECTION LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	16	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16	

**EXISTING SERVICE PEDESTAL SP15 CIRCUIT CAPACITY VERIFICATION  
MEADOWS LANE/VALLEY VIEW BLVD (NE CORNER)**

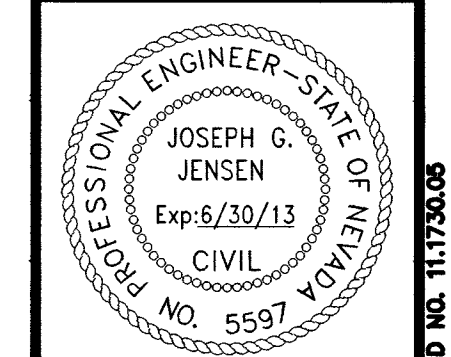
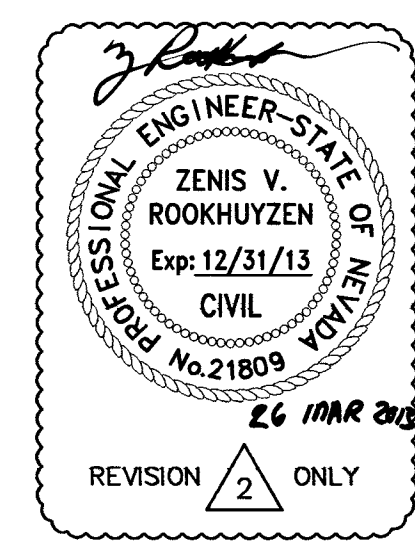
CIRCUIT NAME:	SP15-C	
CIRCUIT TYPE:	INTERSECTION LIGHTING	
VOLTAGE:	120	
CIRCUIT CAPACITY:	40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF THE CIRCUIT CAPACITY:	32	
EXISTING LOAD	16	
PROPOSED LOAD TO CIRCUIT:	QTY.	AMPS
250 WATT SINGLE LUMINAIRE AT 240V = 1.5 AMPS	0	0
400 WATT SINGLE LUMINAIRE AT 120V = 4.0 AMPS	0	0
TOTAL PROPOSED LOAD AMPS =	0	
TOTAL REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	16	

NO.	DATE	SHEET	DESCRIPTION	APP'D
2	3/4/13		ADD EL CAMINO CROSSWALK	
1	1/13/11		DEL. TURN LANE FOR CIV. ROW	

**DEPARTMENT OF PUBLIC WORKS**  
**CAPITAL PROJECT MANAGEMENT**  
 CITY ENGINEER: DAVID BOWERS, PE, PTOE  
 PROGRAM MANAGER: JEREMY LEAVITT, PE  
 DESIGNED BY: V. PARIWI  
 DRAWN BY: F. PAULLO  
 CHECKED BY: A. WUDJONDA  
 DATE: 08/12/2011

**VALLEY VIEW BOULEVARD**  
**DESERT INN RD TO BONANZA RD**  
**STREET LIGHT**  
**CIRCUIT CAPACITY VERIFICATION**

TITLE:  
 SHEET:  
**L-19**  
**167 of 236**  
 DRAWING NO.  
**107-V5627**



REVISION 2 ONLY

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VALLEY VIEW BLVD - DESERT INN RD TO BONANZA RD