

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:

- ☐ SAFETY BRIEF SIGN IN
 - ☐ GHI CREW INTRODUCTION
 - ☐ IS A TRANSLATOR REQUIRED
 - ☐ WORK STOP AUTHORITY
 - ☐ DESIGNATE A 911 CALLER
 - ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
 - ☐ CREW FATIGUE AND HYDRATION
 - ☐ HELICOPTER LIFT LIMITATIONS
 - ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
 - ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
 - ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
 - ☐ EFFECT OF ROTOR DOWN WASH ON LOAD
- DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE
- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
 - ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
 - ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS
- PROCEDURES
- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
 - ☐ SITE PLAN /FLIGHT PATH
 - ☐ FALL, PINCH, CRUSH DANGER POINTS
 - ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
 - ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
 - ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
 - ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW

5/31/2019
Goleta / Glen Annie Rd
NONCAP
TD 1401446
Lower long line on remote landing
~~TD~~ 45CL Composite 1400CBS

Non-compliance with established procedures may result in your removal from the mission

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ <u>IMSAFE Acronym</u> Pilot fatigue mitigation must be briefed prior to work	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only



Requestor Information

SAP Accounting Number*	td1401446
-------------------------------	-----------

☐ Week 3



SECTION 7

Part 135 GH 4A Part 133 GH 4L NON-Congested Area Plan

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: EDISON POLE REPLACEMENT WORK ORDER #: TD 140146
ADDRESS: 950 GLENN ANNIE ROAD : GOLETA CA
STAGING AREA LATITUDE 34°27'18.38"N LONGITUDE 119°52'33.24"W
1608347E LATITUDE 34°27'19.35"N LONGITUDE 119°52'29.83"W
CONTRACTOR'S NAME: HOTLINE CONSTRUCTION PHONE#: 2096-401-6364
CONTACT AT SITE: WAYNE RHODES PHONE #: 209-401-6364
PILOT'S NAME(S):
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT# 33018828

TYPE OF AIRCRAFT:

BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED
BELL UH-1H N# N214KK A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT A/C CATEGORY: STANDARD
AS350 B3 N# N718GH A/C CATEGORY: STANDARD
AS350 B3 N# N215GH A/C CATEGORY: STANDARD

TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: (1) 45 FT CL1 COMPOSITE 1500 LBS

MAX SINGLE - LIFT WEIGHT: 1500 LBS CLASS OF LOAD: EXTERNAL

NO. OF LIFTS: 2 LONG LINE: (NO) XXX (YES) LESS THEN 150 FT (LENGTH)

OPERATIONAL ALTITUDE: < 50 STREET CLOSING: XX (NO) (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
5-31-2019	SUNRISE	SUNSET	5-25-2019
CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SANTA BARBARA SHERIFF	805-928-3781	WATCH COMMANDER	NOTIFY
SANTA BARBARA COUNTY FIRE	805-681-5518	STATION 18	NOTIFY



NON- Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS
ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
950 GLEN ANNIE ROAD	VACANT DURING OPS	HAND DELIVER





NON- Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406

Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA.

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

A TAILBOARD SAFETY MEETING WILL BE HELD AT THE ASSIGNED AREA PRIOR TO BEGINNING HELICOPTER OPERATIONS

1. HELICOPTER NOT LAND AT THE STAGING AREA. THE LONGLINE WILL BE LOWERED OR CONNECTED IN A REMOTE AREA TO THE NORTH OF THE STAGING AREA
2. FUELING WILL ONLY BE CONDUCTED
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. 950 GLEN ANNIE ROAD AND THE AVOCADO FIELDS NEAR THE OPERATING AREA WILL BE VACANT DURING THE OPERATION.
5. PROVIDE A WATER TRUCK AT THE STAGING AREA

5-25-2019

DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE



GUARDIAN
HELICOPTERS, INC.

**Part 135 GH 4A Part 133 GH 4L
OPERATIONS AREA DIAGRAM**





LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH

LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

AREA SURVEY CONDUCTED BY :

Jeffrey M. Joubert

NOTES:

- SCE TO PTD.
- HARD SET NORTH EAST.
- JOINT MEET REQ'D.
- TREE TRIMMING REQ'D.
- HAND SET/DIG REQ'D.
- EAGLE ONE.
- BULL. 322 AREA
- ACCESS VIA 950 GLEN ANNIE RD.
- NO TRUCK ACCESS EXCEPT AT BASE OF DRIVEWAY.
- FOOT ACCESS VIA FARM/ORCHARD DIRT RD.- 9' WIDE

TRANSFER:

- 3- #4 ACSR 16KV
- 1- 4" 120/240V RISER

N: 34° 27' 19.35"
W: 119° 52' 29.82"
ELEVATION: 264'

POLE

1608347E

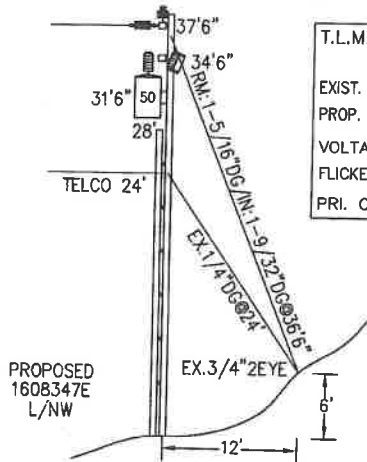
45'

Class C1

- IN: 1- POLE 45' CLASS 1 INTELLIPOLE COMP SECT
- IN: 1- XA SNGL DE HD COMP 10' W/BKT
- IN: 3- INS POLY DE 16KV HOT SHOE #4 & 1/0 ACSR
- IN: 3- INS POLY W/PIN 16KV CLMP #4-653 ACSR
- IN: 1- XA SNGL TAN HD COMP 10' W/BKT
- IN: 3- FE CO MNT FOR ELF 100A 12KV 1-EA
- IN: 3- FE FUSE ELF 15KV 6A
- IN: 1- TR OH 2-25KVA 16KV 120/240 OD 3P
- SN: _____
- IN: 1- SEC RACK 4-WIRE
- IN: 1- OH GUYING TEE W/HARDWARE CMP & WOOD
- IN: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
- IN: 1- RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
- IN: 1- RISER SUPPORT

T.L.M. DATA:

	SIZE	KVA	CUST	% LOAD
EXIST.	20	15.1	1	75.5 %
PROP.	50	15.1	1	30.2 %
VOLTAGE DROP: _____				
FLICKER FACTOR: _____				
PRI. CIRCUIT: TRUMP 16KV				



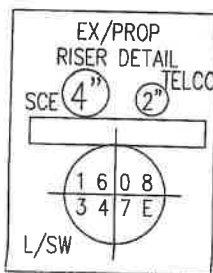
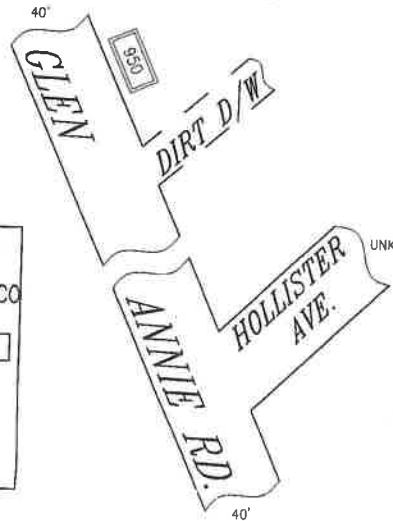
RM

1608347E

45'

Class C4

- RM: 1- RM POLE 45' CLASS 4 WOOD FULL TREAT
- RM: 1- XA DBLE VB 10' STEEL PINS
- RM: 3- INS GLASS/POLY 35KV & LESS
- RM: 2- XA SNGL VB 8' STEEL PINS
- RM: 1- GR OH #6 SOL WP SECONDARY W/ROD
- RM: 1- TR OH 15KVA 16KV 120/240 1P
- SN: _____
- RM: 1- TR OH 5KVA 16KV 120/240 1P
- SN: _____
- RM: 1- SEC ROLLER (166-CLEVIS & SPOOL)
- RM: 1- SEC 3-WIRE (284 RACK)
- RM: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
- RM: 1- RSR PRECUT UNISTRUT W/ HARDWARE NO PVC



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)

- EDISON EASEMENT REQUIRED ☐
- PWRD 88 REQUIRED ☐
- UG CIVL ONLY WORK ORDER ☐
- PERMIT REQUIRED ☒
- OUTAGE REQUIRED ☒
- OUTAGE DATE: _____ TIME: _____
- TRAFFIC CONTROL REQUIRED ☐
- PED. TRAFFIC CONTROL REQ'D ☐
- CONVEYANCE LETTER REQ'D ☐
- ENVIRONMENTAL CLEARANCE REQ'D ☒
- CSD 140 (TLM) REQ'D ☐

DISTRICT 49 - SANTA BARBARA		PROJ. MGR. PARK, JI YOUNG PHONE 909-222-9350		PLANNER TIDWELL DESIGN PHONE 805-647-4707		DESIGNER TIDWELL DESIGN	
PROJECT NO. 1597770	SERVICE REQUEST 2506888	MSR NO.	PRODUCT-1 1401446-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN			
CIRCUIT / VOLTAGE TRUMP 16KV		THOMAS GUIDE N/A	PRODUCT-2	ASSOC DESIGN			
SUB / PG NO. GOLETA		CIRCUIT CODE	PRODUCT-3	ASSOC DESIGN			
INVENTORY MAP 19-48D		J.P.A. NO. E6049-409463282		PROPOSED CONSTRUCTION (LOCATION) 1608347E 950 GLEN ANNIE RD., GOLETA			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	
Southern California Edison Company						DESIGN/DRWG NO. 1035856_0.01	

1608347E

L/E

05/08/2018