

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
\square 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



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

☐ CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF
☐ HEC SAFETY BRIEF SIGN IN
☐ INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET
□ WORK STOP AUTHORITY
☐ PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)
☐ HARNESS, FITMENT, CONDITION AND LOAD LIMIT
☐ PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)
□ BUDDY /SELF CHECK
☐ COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)
☐ NO EQUIPMENT WILL BE TRANSPORTED DURING HEC
☐ HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION
☐ INSERTION POINT AND AREA HAZARDS
☐ HEC ATTACH ZONE AND WAITING AREA
☐ EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)
T NO CELL PHONE OR CAMERA LISED DURING HEC



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

Pilot:						
Support Crew:						
Location:						
Mission:						
Aircraft:						
Note: By signi	ing this document you acknowledg or insuring all loose items are secu	ge you understood all items briefored when working under a helico	ed to you and that you are			
DATE	PRINT NAME	SIGNATURE	COMPANY			

Tailboard Briefing Guide Updated: January 17, 2019

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:	Weather conditions Wind direction Fuel Gross weight Terrain Landing zone hazards Density altitude Noise abatement Congested area plan Traffic/crowd control Traffic/crowd control 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 IMSAFE Acronym 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 Branden Bezzant
LAN ID bdbj
Phone (559) 476-6707
Cell (559) 476-6707
LOB Electric Transmission

Tower

Request Date

Lift Work Type

For Contractor

Work Type

06/14/2022

HEC - Energized

Lift Work

No

Vendor Guardian Helicopters

Work Dates 07/18/2022 - 08/31/2022 BELL 407

ApproverLarry B BartoForemanEnrique ChavSuperintendentJeffery E Lop

Larry B Barton (lbb4) LBB4@pge.com (C) (559) 231-1328 Enrique Chavira (enc7) (P) (559) 493-8942 (C) (559) 493-8942 JELt@pge.com (C) (209) 602-5240

Scope of Work KERN COUNTY

MIDWAY-WHEELER RIDGE #2 230 KV CIRCUIT

CAP- NIL

DISPATCH NOTIFICATIONS- WIND GAP PP

USFS/NATIONAL PARK TERRITORY- NIL

NOTIFICATIONS MADE- NIL

SCOPE- TO HEC, TO LIFT TOOLS AND MATERIALS TO INSTALL TOWER PEAKS

LZ/WORK LOCATION INFORMATION

LZ- OK LZ#9 LESS THAN 300 FEET FROM ROAD.

LZ#12, #13, #14, #15, #19 ARE ALL LESS THAN 300 FEET FROM A SMALL STRUCTURE.

WILL NEED TO BE NOTIFIED AND/OR EVACUATED! LZ#17 PER REQUESTOR IS A CLEARED OUT FIELD.

ALL LZ'S ARE APPROVED FOR A TYPE 3 AIRCRAFT | DIAMETER VERIFIED 75 FEET

WL- OK 000/001-000/004 IN PGE SUBSTATION. NEED TO BE NOTIFIED AND/OR EVACUATED! 000/007, 030/135, 027/123, 049/219, 050/224, 052/235 LESS THAN 300 FEET FROM ROADS.

040/178, 041/180 LESS THAN 300 FEET FROM A STRUCTURE. WILL NEED TO BE NOTIFIED AND/OR EVACUATED FOR THIS!

REQUESTOR TO ENSURE TRAFFIC MITIGATION IN PLACE

Daily Information

07/18/2022 - 08/31/2022 Asset Category: LIGHT **Asset Type:** BELL 407

Locations

08:00 - LZ LZ#1 Midway Sub 35 24.30'N <no headquarters> <no county> 272 ft 119 27.58'W

119 2	27.58'W		
Work Location			
20092 MIDWAY-WHEELER RIDGE #2 230 KV(start) 35 24.13'N Line #: 119 000/001 27.12'W	MIDWAY	<no county="">150 ft</no>
Work Location			
LZ#2	35 23.80'N 119 25.63'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#3	35 23.30'N 119 24.70'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#4	35 20.91'N 119 20.51'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#5	35 18.13'N 119 20.70'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#6	35 17.95'N 119 20.23'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#7	35 12.74'N 119 21.63'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#8	35 09.54'N 119 19.76'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#8A(ALTERNATE)	35 09.15'N 119 19.50'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#9	35 08.01'N 119 18.33'W	<no headquarters></no 	<no county=""></no>

--- - Work Location

WORK LOCATION			
20092 MIDWAY-WHEELER RIDGE #2 230 KV(MIDDLE)	35 06.27'N Line #: 119 027/120 17.77'W	MIDWAY	<no county=""></no>
Work Location			
LZ#10	35 05.61'N 119 17.75'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#11	35 03.65'N 119 16.71'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#12	35 01.95'N 119 15.14'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#13	35 02.29'N 119 11.37'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#14	35 02.04'N 119 08.66'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#15	35 02.01'N 119 07.00'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#16	35 02.09'N 119 03.86'W	<no headquarters></no 	<no county=""></no>
Work Location			
LZ#17	35 01.66'N 118 46.46'W	<no headquarters></no 	<no county=""></no>
Work Location			
20092 MIDWAY-WHEELER RIDGE #2 230 KV(E	ND) 35 05.20'N Line #: 118 052/235 58.65'W	MIDWAY	<no county=""></no>
Work Location			

^{--- -} Work Location

		- 017001	request summa	. y	
LZ#18			35 02.90'N 118 58.87'W	<no headquarters></no 	<no county=""></no>
Work Location	1				
LZ#19			35 03.91'N 118 58.60'W	<no headquarters></no 	<no county=""></no>
Work Location]				
LZ#19A(ALTERNAT	ΓΕ)		35 04.17'N 118 59.76'W	<no headquarters></no 	<no county=""></no>
Est. Use Hours Contract Undergrounding Project Cargo Weight Billing Number Req. Notifications	8.00 No 600.0 lbs 31462807 100%		Vendor Over Water Fuel Truck Special Equipment Comments	LZ#1-000/001-0 LZ#2- 001/008-1 LZ#3- 002/016-1 LZ#4- 005/027-1 LZ#5- 009/004-1 LZ#6- 014/064-1 LZ#6- 017/080-1 LZ#7- 020/092-1 LZ#8- 024/107-1 LZ#9- 026/118-1 LZ#11- 030/136 LZ#11- 030/136 LZ#12- 037/163 LZ#13- 042/186 LZ#14- 045/197 LZ#15- 047/208 LZ#16- 048/219 LZ#17- 050/225	ATIONS BELOW 100/007 1002/015 1004/026 1008/043 1013/063 1016/079 1019/091 1023/106 1026/117 1029/130 1030/135 1036/162 1042/185 1044/196 1044/196 1044/207 1048/218 1050/224
alk About #	105	Talk Group	105	Talk Radio #	105

22-01436 - July 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	19 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	20 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	21 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	22 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	23 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W
24 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	25 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	26 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	27 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	28 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	29 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	30 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W
31 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	1 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	2 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	3 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	4 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	5 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	6 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W

22-01436 - August 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1	2	3	4	5	6
08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407			
LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub
35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W			
7	8	9	10	11	12	13
08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407			
LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub
35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W			
14	15	16	17	18	19	20
08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407			
LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub
35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W			
21	22	23	24	25	26	27
08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407	08:00 -16:00 BELL 407			
LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub	LZ#1 Midway Sub
35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W	35 24.30'N 119 27.58'W			
28 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	29 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	30 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	31 08:00 -16:00 BELL 407 LZ#1 Midway Sub 35 24.30'N 119 27.58'W	1	2	3
4	5	6	7	8	9	10



SECTION 7

Part 135 GH 4A Part 133 GH 4L

NON- Congested Area Plan

Operator: Guardian Helicopters, Inc

67 D STREET Phone (818) 442-9904 Fillmore CA. 93015 FAX (818) 442-9901

PROJECT: PG&E HEC CARGO WORK ORDER #:22/01436

ADDRESS: <u>58 AND 5</u> CITY: <u>BOWERBANK</u> STATE: <u>CA</u>

LZ#1-000/001-000/007 LZ#2- 001/008-002/015

LZ#3- 002/016-004/026

LZ#4- 005/027-008/043

LZ#5- 009/004-013/063 LZ#6- 014/064-016/079

LZ#6- 017/080-019/091

LZ#7- 020/092-023/106

LZ#8- 024/107-026/117

LZ#9- 026/118-029/130

LZ#10- 029/131-030/135

LZ#11- 030/136-036/162

LZ#11- 030/150-030/102 LZ#12- 037/163-042/185

LZ#13- 042/186-044/196

LZ#14- 045/197-047/207

LZ#15- 047/208-048/218

LZ#16- 048/219-050/224

LZ#17- 050/225-052/235

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: <u>LARRY BARTON</u> PHONE#: <u>559-231-1328</u> CONTACT FORMAN: ENRIQUE CHAVIRA PHONE#: <u>559-493-8942</u>

PILOT'S NAME(S) 1. MICHAEL KLINK CERT#: 3018828

 2. BUCKEY MACKAY
 CERT #: 2778051

 3. IAN GOODALE
 CERT#: 3741973

 4. ROSS GOULET
 CERT#: 3396777

 5. TREVOR NEEDHAM
 CERT#:3597668

TYPE OF AIRCRAFT:

BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 407 N# N111GH A/C CATEGORY: STANDARD

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

TYPE OF LIFTS: $\overline{\text{HEC CARGO}}$ LOAD: EXT CL B TYPE OF ITEM LIFTING: \square

AERODYNAMIC ☑ NON- AERODYNAMIC LONG LINE: (NO) (YES) XXX LESS 200 FT (LENGTH)

OPERATIONAL ALTITUDE: < 250 AGL STREET CLOSING: (N0) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
7-18-2022 THRU 8-31-2022	SUNRISE	SUNSET	7-1-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	<u>DATE:</u>
KERN COUNTY SHERIFF DEPARTMENT	661-764-5613	DISPATCH	NOTIFIED
KERN COUNTY FIRE DEPARTMENT	661-764-5225	STATION 25	NOTIFIED
СНР	661-764-5580	DISPATCH	NOTIFIED



NON-Congested Area Plan

Evacuation	Crowd Control	Street Closure
✓ No Evacuated Structures	☑Operator	☑ Yes ☐No
☐Evacuated Structures	☑ Contractor	 Contractor
		□Operator
LIST OF BUILDINGS THAT SHALL EIT	HER BE PARTIALLY OR ENTIRE	LY UNOCCUPIED PERSON

NS. ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
REMOTE NO EVACUATION	VACANT DURING OPS	HAND DELIVER

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.

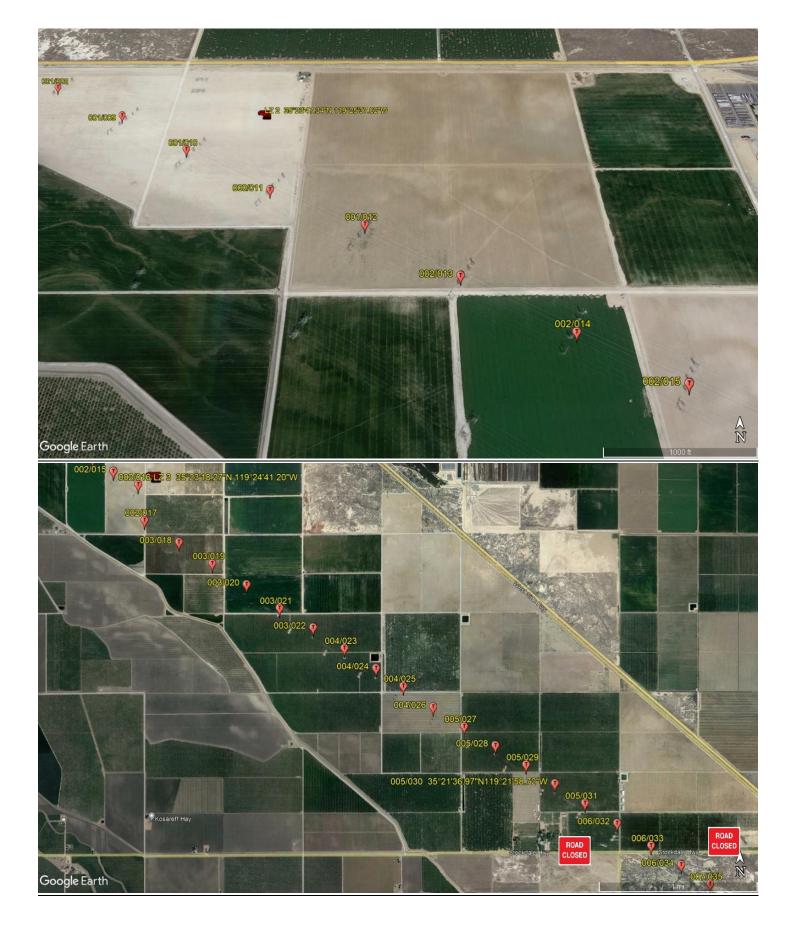
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

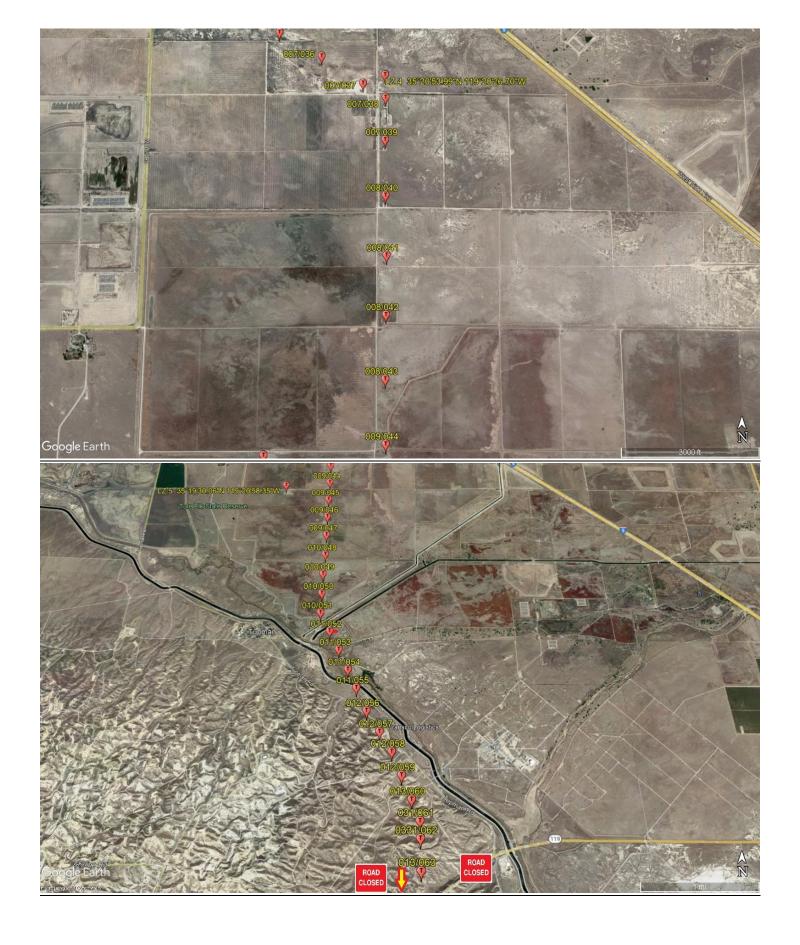
- HELICOPTER WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD AND HEC TRAINING
- 2. WATER TRUCK REQUIRED AT LZ STAGING AREA
- 3. REMOTE ROAD PILOT WILL CROSS WHEN CLEAR
- 4. REMOTE AREA NO EVACUATIONS

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 = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

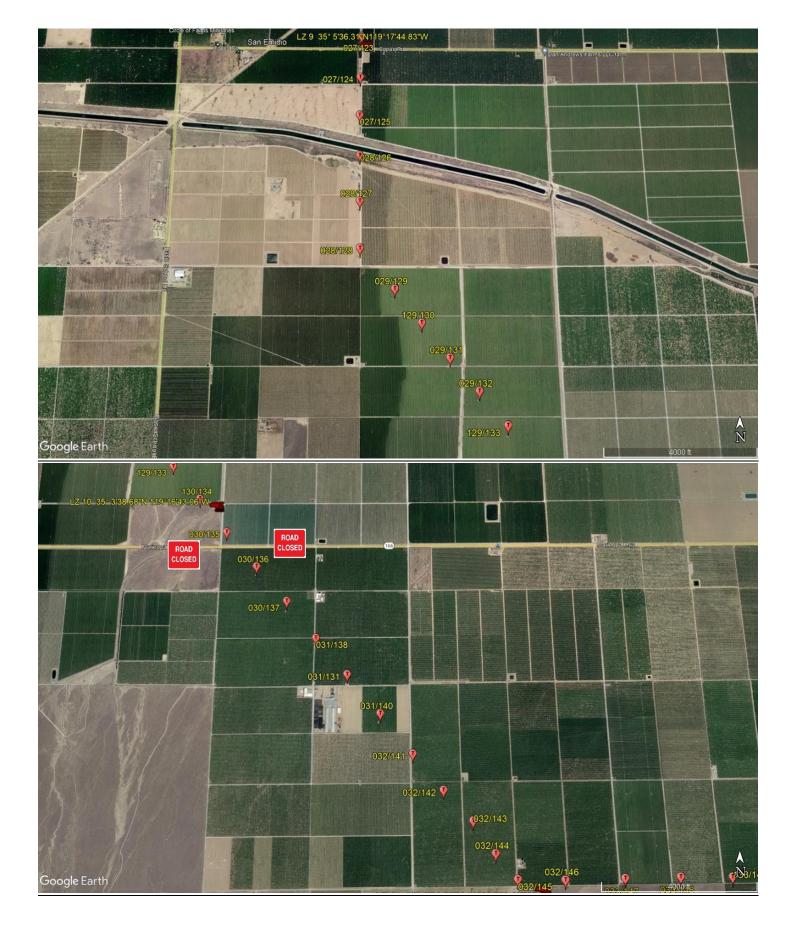


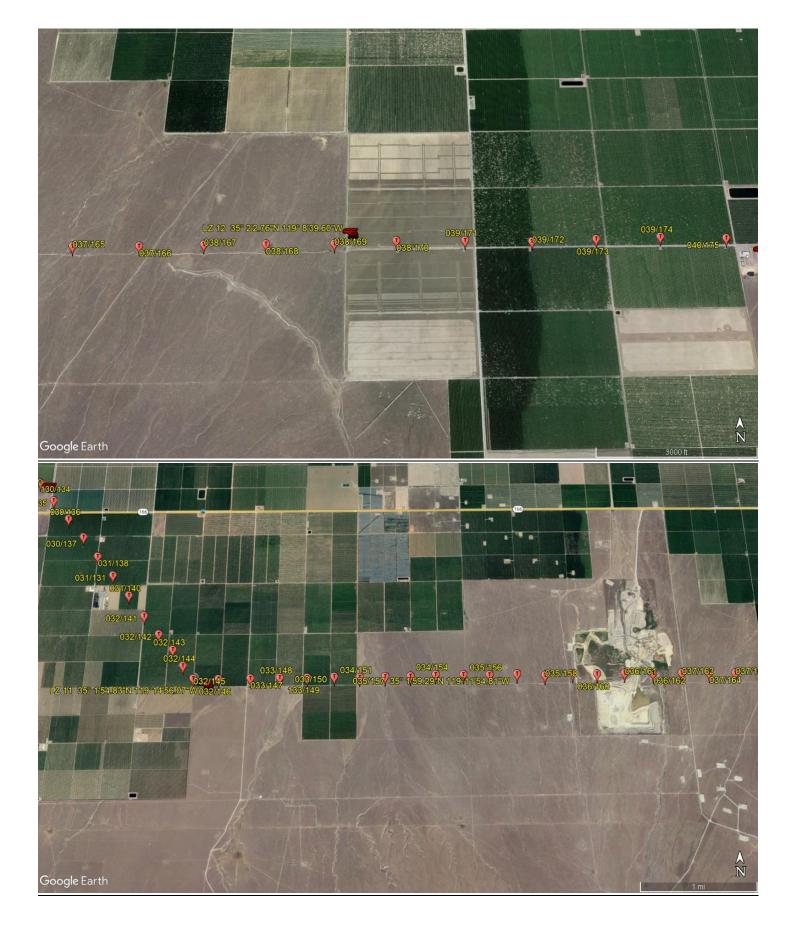






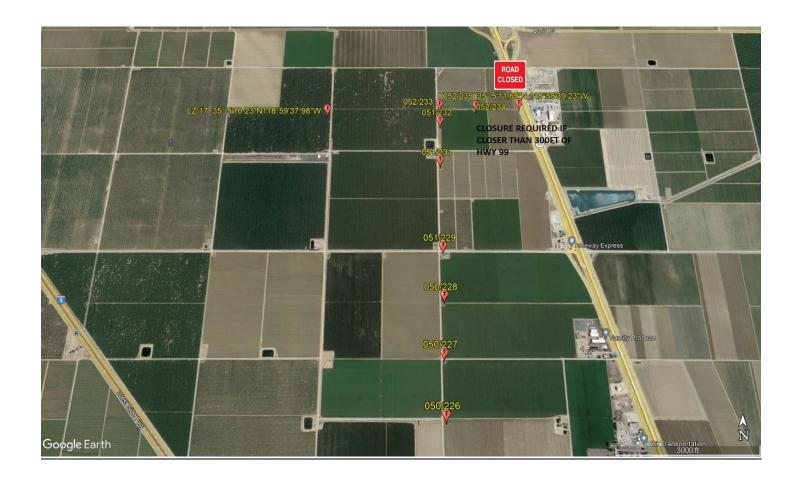












7/7/2022

DATE OF SUBMISSION

Jeffrey M. Jentona

COMPANY OFFICIAL / TITLE Jeffrey M. Teubner Flight Coordinator