INTERAGENCY HELICOPTER LOAD CALCULATION

AMD-67/FS 5700-17 (10/06)

MODEL	206L (LJ)		
N#	50KH		
PILOT(S)	B. Ricks	DATE	3/30/15
MISSION	Recon / Rx Burn	TIME	0800

1 DEPARTURE	M24	PA 300'	OAT 23°C
2 DESTINATION		PA	OAT
3 HELICOPTER EQUIPPED WEIGHT			2512
4 FLIGHT CREW WEIGHT			210
5 FUEL WT (85 gallons X 7 lbs per gal)			600
6 OPERATING WEIGHT (3 + 4 + 5)			3322

	Non-Jettisonable		Jettisonable
	HIGE	HOGE	HOGE- J
7a PERFORMANCE REF (List page/chart from FM)	PS-7 FS-3	PS-9 FS-4	PS-9 FS-4
7b COMP GROSS WT (FM Performance Section)	4250	4250	4250
8 WT REDUCTION (Req for all Non-Jettisonable)	180	180	—
9 ADJUSTED WEIGHT (7b minus 8)	4070	4070	4250
10 GROSS WT LIMIT (FM Limitations Section)	4150	4150	4250
11 SELECTED WEIGHT (Lowest of 9 or 10)	4070	4070	4250
12 OPERATING WEIGHT (From Line 6)	3322	3322	3322
13 ALLOWABLE PAYLOAD (11 minus 12)	748	748	928

14 PASSENGERS/CARGO MANIFEST	
Bucket	867
50' line	15
15 ACTUAL PAYLOAD (Total of all weights listed in Item 14) Line 15 must not exceed Line 13 for the intended mission.	882
PILOT SIGNATURE [redacted]	HazMat
MGR SIGNATURE [redacted]	Yes X No ___

INTERAGENCY HELICOPTER PASSENGER/CARGO MANIFEST

HELI. NO. 50KH

DATE 3/30

ALLOWABLE PAYLOAD 748 AT 600 LBS FUEL

CURRENT FUEL _____ CURRENT ALLOWABLE _____

#	NAME/CARGO	WEIGHT
	STEVE Cobb	275
	BRENDAN MULLEN	170
	POD	100
	H_2O	10
	3 SHELTERS	21
	3 BAGS SPHERES (x32)	96
	— 2 FRONT DOORS	-26
	— REAR DOOR	-16
	HAZMAT	
	POT. Permanganate	
	Antifreeze	
	ACTUAL PAYLOAD	630

MANIFEST PREPARER [redacted]

OPTIONAL FORM 252 (12/89)
PRESCRIBED BY USDA/USDI

FORM C

LONGITUDINAL

Aircraft Weight and Balance Record (Running Total)

Make:	BELL
Model:	206L-1
Registration No.:	N50KH
Serial No.:	45560

DESCRIPTION	ITEM			CHANGES			EMPTY WEIGHT		
OR MODIFICATION	DATE	IN	OUT	WEIGHT (lbs)	ARM (in)	MOMENT (in/lbs)	WEIGHT (lbs)	ARM (in)	MOMENT
ACTUAL WEIGHT & BALANCE	01/14/15						2471.40	129.70	320540.58
Engine Oil	01/14/15	x		13.00	205.00	2665.00	2484.40	130.09	323205.58
Cargo Hook	01/14/15	x		3.00	121.00	200.40	2487.40	130.01	323405.98
Survival Kit	01/14/15	x		25.00	160.00	4000.00	2512.40	130.30	327405.98

Caution to Pilot: This Helicopter could not be balanced within restrictions of the Bell Maintenance Manual. The Gross Weight Center of Gravity Limits presented in the appropriate Flight Manual shall not be exceeded.

T&M Aviation, Inc. 112 Irish Bend Drive Lafayette, LA 70592
Phone: (337) 893-9074

T&M AVIATION, INC.
BELL 206L-1 ACT WT.& BAL.

N50KH S/N 45560 DATE: 1/14/2015

SCALE READINGS			HIGH SKIDS
SCALE READINGS (LBS)	SCALE	TARE	NET
FWD LEFT F.S.55.16	602	0	602
FWD RIGHT F.S. 55.16	626	0	626
AFT JACKPOINT F.S. 204.92	1229	0	1229
		TOTAL	2457

LONGITUDINAL AND LATERAL C.G. AS WEIGHED

	WEIGHT	ARM	MOMENT		ARM	MOMENT
FWD.LE	602	55.16	33206	B.L.	-16.82	-10125.64
FWD RT	626	55.16	34530	B.L.	16.82	10529.32
AFT.	1229	204.92	251847	B.L.+/-	0	0
TOTAL	2457	130.1	319583			403.68
LONGITUDINAL CG IN		130.1	LATERAL CG IN.		0.2	

AS WEIGHED

		LONGITUDINAL		LATERAL	
EMPTY WT. CONFIGURATION	/EIGHT	ARM	MOMENT	ARM	MOMENT
AIRCRAFT AS WEIGHED	2457	130.1	319583.16	0.2	403.68
UNUSEABLE FUEL	6.8	94	639.2	0	0
WEIGHED W/ FULL OIL	1.6	192	307.2	0	0
BALLAST	6	13	78	0	0
EMPTY WEIGHT	2471.4	129.7	320607.56	0.2	403.68

MOST FWD C.G.

			LONGITUDINAL		LATERAL	
		WEIGHT	ARM	MOMENT	ARM	MOMENT
EMPTY WEIGHT		2471.4	129.7	320607.56	0.2	403.68
PILOT		200	65	11050	14	2380
PASSENGER,FWD		170	65	11050	-11	-1870
PASSENGER, MID (2)		340	91	30940	0	0
PASSENGER, AFT (2)		340	129	43860	0	0
FUEL, MOST FWD	(59.9 GAL)	389.4	117.6	45793		0
OIL		13	205	2665		
TOTAL		3923.8	118.8	465965.56	0.2	913.68

MOST AFT C.G.

		LONGITUDINAL		LATERAL	
	WEIGHT	ARM	MOMENT	ARM	MOMENT
EMPTY WEIGHT	2471.4	129.7	320607.56	0.2	403.68
PILOT	200	65	11050	14	2380
PASSENGER,AFT (3)	510	129	65790	0	0
FUEL (110 GAL)-JP-5	752.8	131.7	99144	0	0
OIL	13	205	2665		
TOTAL	3947.2	126.5	499256.56	0.7	2783.68

W.O.# PREPARED BY: T&M AVIATION, INC

EMPTY WEIGHT	2471.4
EMPTY WEIGHT C.G.	129.7
A/C TT.	11504.3

DINI ARGEO SCALES S/N 10007322 DUE C/ 6/10/2015