

# FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

| <u>AIRPORT ID</u>        | <u>PROCEDURE NAME</u>            | <u>ORIGINAL/AMENDMENT</u>    | <u>CITY</u>                    | <u>STATE</u>          |                |                   |
|--------------------------|----------------------------------|------------------------------|--------------------------------|-----------------------|----------------|-------------------|
| SMO                      | RNAV (GPS) Z RWY 3               | 2                            | SANTA MONICA                   | CA                    |                |                   |
| <u>AIRPORT ELEVATION</u> | <u>TDZE</u>                      | <u>SUPERSEDED</u>            | <u>ORIGINAL/AMENDMENT</u>      | <u>DATED</u>          | <u>MAG VAR</u> | <u>EPOCH YEAR</u> |
| 170                      | 164                              | RNAV (GPS) Z RWY 3           | 1                              | 02/01/2018            | 12E            | 2020              |
| <u>FACILITY</u>          | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> | <u>CANCEL/SUSPEND</u> |                |                   |
| RNAV                     |                                  |                              | ROUTINE                        |                       |                |                   |

## TERMINAL ROUTES

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| WAKER       | IAF             | OHWEN     |                 | TF              | FB           | 1.00       | 098.81        | 6.33            | 3500            |
| OHWEN       |                 | RNSTO     |                 | TF              | FB           | 1.00       | 098.88        | 3.00            | 3000            |
| RNSTO       | IF              | RGBEE     |                 | TF              | FB           | 1.00       | 070.39        | 7.13            | 1400            |
| RGBEE       | FAF             | MORVE     | MAP             | TF              | FO           | 0.30       | 062.48        | 2.64            |                 |
| MORVE       | MAP             | 600 MSL   |                 | CA              |              |            | 062.48        |                 | 600             |
| 600 MSL     |                 | DARTS     |                 | DF              | FO           | 1.00       |               |                 | 5000            |

## MISSED APPROACH

### MAP:

LP: MORVE  
LNAV: MORVE

### MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 5000 DIRECT DARTS AND HOLD, DO NOT EXCEED 175 KIAS WHEN CONTINUING CLIMB-IN-HOLD TO 5000.

\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 290 FEET PER NM TO 3800.

### ALTERNATE MISSED APPROACH INSTRUCTIONS:

### PROFILE:

| 1. PT                              | SIDE OF COURSE     | OUTBOUND       | FT WITHIN             | MILES OF               | (IAF) |
|------------------------------------|--------------------|----------------|-----------------------|------------------------|-------|
| 2. PROFILE STARTS AT               | RNSTO              |                |                       |                        |       |
| 3. FAC: 062.48                     | FAF: RGBEE         |                | DIST FAF TO MAP: 2.64 | DIST FAF TO THLD: 3.38 |       |
| 4. MIN ALT: RNSTO 3000, RGBEE 1400 |                    |                |                       |                        |       |
| 5. DIST TO THLD FROM OM:           | MM:                | IM:            | 150 HAT:              | GS ANT:                |       |
| 6. MIN GP INCPT:                   | GP ALT AT FAF:     |                |                       | OM:                    | MM:   |
| 7. GP ANGLE:                       | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH:                  |                        | IM:   |
| 8. MSA FROM: MORVE 7800            |                    |                |                       |                        |       |

QUALITY  
39  
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART SPEED ICON IN PLANVIEW AT WAKER: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 29.95 DEGREES.  
RGBEE TO FTP: 3.46/30  
CHART KLAX IN PLANVIEW  
HOLD W, RT, 108.00 INBOUND.  
CHART FAS OBST: 236 TREE 340103N/1182700W.  
FAS OBST: 208 SHIP 335947N/1182950W.  
WAAS CHANNEL # 77839  
REFERENCE PATH ID: W03B  
CHART MANDATORY 6000 AT WAKER.  
FAC CROSSES RWY C/L EXTENDED 4500 FT FROM THLD.  
FICTITIOUS THRESHOLD POINT (CFBFR) DO NOT CHART.  
FTP HAE: 2.8 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ CAT A, B 1200-2

| CATEGORY:  | A      |       |         | B      |       |         | C      |     |         | D      |     |         | E      |     |         |
|------------|--------|-------|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|
| FINAL TYPE | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA |
| LP MDA*    | 460    | 1     | 296     | 460    | 1     | 296     |        | NA  |         |        | NA  |         |        |     |         |
| LNAV MDA*  | 500    | 1     | 336     | 500    | 1     | 336     |        | NA  |         |        | NA  |         |        |     |         |
| LP MDA     | 1240   | 1 1/4 | 1076    | 1240   | 1 1/2 | 1076    |        | NA  |         |        | NA  |         |        |     |         |
| LNAV MDA   | 1360   | 1 1/4 | 1196    | 1360   | 1 1/2 | 1196    |        | NA  |         |        | NA  |         |        |     |         |



CHANGES - REASONS

1. TERMINAL ROUTES: RNSTO TO RGBEE COURSE/DISTANCE CHANGED FROM "069.98/7.04" TO "070.39/7.13" - FAF MOVED BASED ON GPA/TCH.
2. TERMINAL ROUTES: RGBEE TO MORVE DISTANCE CHANGED FROM "2.84" TO "2.64" - FAF MOVED BASED ON GPA/TCH.
3. PROFILE LINE 3: CHANGED DIST FAF TO MAP/DIST FAF TO THLD FROM "2.84/3.39" TO "2.64/3.38" - FAF MOVED BASED ON GPA/TCH.
4. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - NO 20:1 PENETRATIONS EXIST.
5. PROFILE LINE 8: CHANGED MSA FROM "MORVE 7700" TO "MORVE 7800" - NEW CONTROLLING OBSTACLE.
6. PBN REQUIREMENTS NOTE: MOVED AND CHANGED FROM CHART NOTE "DME/DME RNP-0.3 NA" TO "RNP APCH - GPS" - PER 8260.19J, PARA 8-6-8 D.(5)(A)1.
7. NOTES: CHANGED CHART NOTE FROM "RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATION EXIST.
8. NOTES: ADDED CHART PLANVIEW NOTE: "CHART SPEED ICON IN PLANVIEW AT WAKER: MAX 210 KIAS" - PER FPT TO COMPLY WITH 8260.3 STAR TERMINUS ALTITUDE CRITERIA.
9. ADDITIONAL FLIGHT DATA: CHANGED FAS CHART OBSTACLES FROM "238 TREE (06-042902) 340103N/1182716W" TO "236 TREE 340103N/1182700W" AND FAS OBST FROM "208 SHIP 335932N/1183109W" TO "208 SHIP 335947N/1182950W" - NEW CONTROLLING OBSTACLES.
10. ADDITIONAL FLIGHT DATA: CHANGED FROM "FAC CROSSES RWY C/L EXTENDED 3738 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 4500 FT FROM THLD" - PER 8260.19J 8-6-11.G.(2)/NEW EVALUATION CRITERIA.
11. ADDITIONAL FLIGHT DATA: ADDED "CHART MANDATORY 6000 AT WAKER" - PER FPT TO COMPLY WITH 8260.3 STAR TERMINUS ALTITUDE CRITERIA.
12. ADDITIONAL FLIGHT DATA: CHANGED FTP HAE FROM "2.9 M" TO "2.8 M" - FTP MOVED 711.58 FT SOUTHEAST.
13. ALTERNATE MINIMUMS: CHANGED FROM "CAT A, B 1300-2" TO "CAT A, B 1200-2" - REDUCTION IN LNAV MINIMUMS.
14. MINIMUMS: LP MDA/HAT ALL CATS FROM "1260/1096" TO "1240/1076" - NEW CONTROLLING OBSTACLE.
15. MINIMUMS: LNAV MDA/HAT ALL CATS CHANGED FROM "1380/1216" TO "1360/1196" - NEW CONTROLLING OBSTACLE.
16. FAS DATA: CRC REMAINDER CHANGED FROM "61DE3735" TO "535EFCB0"- UPDATED LTP/FTP LATITUDE/LONGITUDE FROM "340026.8420N/1182713.3790W" TO "340024.7985N/1182705.2905W;" LTP/FTP ELLIPSOIDAL HEIGHT FROM "+00029" TO "+00028" AND FPAP LATITUDE/LONGITUDE FROM "340050.6515N/1182530.0805W" TO "340048.6125N/1182521.9940W;"

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: ZLA, SOCAL APP CON, SMO ATCT, AMGR, ATA

FLIGHT CHECKED BY

TROY E DEVINE

Digitally signed by

ROBERT G HAMILTON

Nov 07, 2024

OFFICE

AJF

DATE

11/05/2024

DEVELOPED BY

ROBERT G HAMILTON (KAMARUDINI R. RAIMI)

Digitally signed by

ROBERT G HAMILTON

Nov 07, 2024

OFFICE

AJV-A433

DATE

08/16/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Nov 07, 2024

OFFICE

AJV-A433

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| DATA FIELD                               | DATA          |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KSMO          |
| RUNWAY                                   | RW03          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          | Z             |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W03B          |
| LTP/FTP LATITUDE                         | 340024.7985N  |
| LTP/FTP LONGITUDE                        | 1182705.2905W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +00028        |
| FPAP LATITUDE                            | 340048.6125N  |
| FPAP LONGITUDE                           | 1182521.9940W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00030.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.46         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0000          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 00.0          |
| CRC REMAINDER                            | 535EFCB0      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K2     |
| LTP ORTHOMETRIC HEIGHT  | +00386 |
| FPAP ORTHOMETRIC HEIGHT | +00386 |



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

| <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u>  | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-------------------|-----------------------|-----------------|--------------|--------------|--------------------------|-----------------|
| SMO               | RNAV (GPS) Z RWY 3    | 2               | SANTA MONICA | CA           | 170                      | RNAV            |

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

**FROM** WAKER **TO** OHWEN

**RNP** 1.00 **DISTANCE** 6.33 **PAT** **MAP** **HAT** **HMAS**

| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO                | 340400.00N/1184957.00W | 2235            | 215         | 8           | 4B        | 1000       |            |           |             | PR200              | 3500           |
| TERRAIN            | 340330.00N/1184833.00W | 1784 (1800)     |             |             |           |            |            |           |             | AS1500             | 3300           |

**COMPUTATIONS**

**ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM** OHWEN **TO** RNSTO

**RNP** 1.00 **DISTANCE** 3.00 **PAT** **MAP** **HAT** **HMAS**

| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| SHIP               | 340151.00N/1184309.00W | 208             | 50          | 20          | 2C        | 1000       |            |           |             | PR100 AT1692       | 3000           |
| OVER WATER         | 335906.17N/1184111.67W | 0               |             |             |           |            |            |           |             | AS1500             | 1500           |

**COMPUTATIONS**

**ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



INTERMEDIATE

FROM

RNSTO

TO

RGBEE

RNP

1.00

DISTANCE

7.13

PAT

MAP

HAT

HMAS

| OBSTRUCTION | COORDINATES            | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|----------|------|------|----|-----|-----|----|------|-------------|---------|
| SHIP        | 335932.48N/1183109.34W | 208      | 50   | 20   | 2C | 500 |     |    |      | AT692       | 1400    |
| OVER WATER  | 335902.29N/1183515.64W | 0        |      |      |    |     |     |    |      | AS1000      | 1000    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP

FROM

RGBEE

TO

MORVE

RNP

0.30

DISTANCE

2.64

PAT

MAP

MORVE

HAT

296

HMAS

| OBSTRUCTION | COORDINATES            | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|----------|------|------|----|-----|-----|----|------|-------------|---------|
| SHIP        | 335946.63N/1182950.07W | 208      | 50   | 20   | 2C | 250 |     |    |      |             | 460     |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM

RGBEE

TO

MORVE

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 2.64                   |                 | MORVE       |             |           |            | 1076       |             |             |                    |                |
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u>   | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| SHIP               | 335946.63N/1182950.07W | 208             | 50          | 20          | 2C        | 250        |            |             |             | MA782              | 1240           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

RGBEE

TO

MORVE

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 2.64                   |                 | MORVE       |             |           |            | 336        |             |             |                    |                |
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u>   | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| TREE               | 340103.00N/1182700.00W | 236             | 215         | 8           | 4B        | 250        |            |             |             |                    | 500            |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

RGBEE

TO

MORVE

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    | CHECKED        |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 2.64                   |                 | MORVE       |             |           |            | 1196       |             |             |                    |                |
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u>   | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| TREE               | 340103.00N/1182700.00W | 236             | 215         | 8           | 4B        | 250        |            |             |             | MA874              | 1360           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LP

FROM

MORVE

TO

DARTS

| <div>RNP</div> <div>0.30-1.00</div> | DISTANCE               | PAT         | MAP  |      | HAT |      | HMAS |     |      |             |         |
|-------------------------------------|------------------------|-------------|------|------|-----|------|------|-----|------|-------------|---------|
|                                     |                        |             |      |      |     |      |      |     |      |             | 360     |
| OBSTRUCTION                         | COORDINATES            | ELEV MSL    | HORZ | VERT | AC  | ROC  | OCS  | CG  | CGTA | ADJUSTMENTS | MIN ALT |
| AAO                                 | 340630.00N/1182315.00W | 1644        | 215  | 8    | 4B  |      | ASC  | 290 | 3800 |             | 5000    |
| TOWER (06-000191)                   | 340804.68N/1181913.91W | 2025        | 20   | 10   | 1B  | 1000 |      |     |      | PR130       | 3200    |
| TERRAIN                             | 340815.00N/1181933.00W | 1817 (1800) |      |      |     |      |      |     |      | AS1500      | 3300    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LP

FROM

MORVE

TO

DARTS

| <div>RNP</div> <div>0.30-1.00</div> | DISTANCE               | PAT         | MAP  |      | HAT |      | HMAS |    |      |             |         |
|-------------------------------------|------------------------|-------------|------|------|-----|------|------|----|------|-------------|---------|
|                                     |                        |             |      |      |     |      |      |    |      |             | 1140    |
| OBSTRUCTION                         | COORDINATES            | ELEV MSL    | HORZ | VERT | AC  | ROC  | OCS  | CG | CGTA | ADJUSTMENTS | MIN ALT |
| AAO                                 | 340630.00N/1182315.00W | 1644        | 215  | 8    | 4B  |      | ASC  |    |      |             | 5000    |
| TOWER (06-000191)                   | 340804.68N/1181913.91W | 2025        | 20   | 10   | 1B  | 1000 |      |    |      | PR130       | 3200    |
| TERRAIN                             | 340815.00N/1181933.00W | 1817 (1800) |      |      |     |      |      |    |      | AS1500      | 3300    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV

FROM

MORVE

TO

DARTS

| <u>RNP</u><br>0.30-1.00 | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> |            |           | <u>HMAS</u><br>400 |                    |                |
|-------------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|--------------------|--------------------|----------------|
| <u>OBSTRUCTION</u>      | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u>        | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| AAO                     | 340633.00N/1182327.00W | 1706            | 215         | 8           | 4B        |            | ASC        | 290       | 3800               |                    | 5000           |
| TOWER (06-000191)       | 340804.68N/1181913.91W | 2025            | 20          | 10          | 1B        | 1000       |            |           |                    | PR130              | 3200           |
| TERRAIN                 | 340815.00N/1181933.00W | 1817 (1800)     |             |             |           |            |            |           |                    | AS1500             | 3300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

MORVE

TO

DARTS

| <u>RNP</u><br>0.30-1.00 | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u><br>1260 |           |             |                    |                |
|-------------------------|------------------------|-----------------|-------------|-------------|------------|------------|---------------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u>      | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u>  | <u>ROC</u> | <u>OCS</u>          | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| AAO                     | 340633.00N/1182327.00W | 1706            | 215         | 8           | 4B         |            | ASC                 |           |             |                    | 5000           |
| TOWER (06-000191)       | 340804.68N/1181913.91W | 2025            | 20          | 10          | 1B         | 1000       |                     |           |             | PR130              | 3200           |
| TERRAIN                 | 340815.00N/1181933.00W | 1817 (1800)     |             |             |            |            |                     |           |             | AS1500             | 3300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MSA

CENTER

MORVE

RADIUS

25

| SECTOR  | OBSTRUCTION | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | AAO         | 342236.00N/1181039.00W | 021     | 26.6     | 6729     | 215  | 8    | 4B | 1000 |     |             | 7800    |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SMO TOWER, SOCAL APP CON

| WX SERVICE         | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | SERVICE-A | ADJUSTMENTS |
|--------------------|----------|---------------|------------------|----------|-----------|-------------|
| ASOS               | SMO      | 24            | SMO              | 0        | Y         | 0           |
| BACK-UP WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | SERVICE-A | ADJUSTMENTS |

WX REMARKS:

| PRIMARY NAVAID                         | MONITOR POINT | HRS OPERATION   | CAT                 |
|----------------------------------------|---------------|-----------------|---------------------|
|                                        |               |                 |                     |
| APPROACH AND RUNWAY LIGHTING SYSTEM    |               | RUNWAY MARKINGS | RUNWAY VISUAL RANGE |
| RW03 - MIRL (PCL), PAPI-4L             |               | NPI-G           |                     |
| RW21 - MIRL (PCL), REIL (PCL), PAPI-4L |               | NPI-G           |                     |

| GLIDESLOPE ANGLE | ELEV RWY THRESHOLD | TCH  | ELEV GS ANTENNA | DISTANCE FROM RWY | VGSI ANGLE | TCH  |
|------------------|--------------------|------|-----------------|-------------------|------------|------|
| 3.46             | 126.5              | 30.0 |                 |                   | 3.42       | 28.0 |

FINAL APPROACH COURSE AIMING

|                  |                                     |                       |                              |
|------------------|-------------------------------------|-----------------------|------------------------------|
| RUNWAY THRESHOLD | <input type="checkbox"/>            | 4500FT FROM THRESHOLD | DISPLACED THRESHOLD DISTANCE |
| ON CENTERLINE    | <input checked="" type="checkbox"/> | FT FROM CENTERLINE    |                              |

CRITICAL TEMPERATURES

| CRITICAL LOW | CRITICAL HIGH | ACT | APT ISA |
|--------------|---------------|-----|---------|
|--------------|---------------|-----|---------|

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

|            |             |
|------------|-------------|
| FINAL TYPE | LP AND LNAV |
|------------|-------------|



|                                                                     |                                             |                      |                             |                                                         |                                 |                         |
|---------------------------------------------------------------------|---------------------------------------------|----------------------|-----------------------------|---------------------------------------------------------|---------------------------------|-------------------------|
| <u>AIRPORT ID</u><br>SMO                                            | <u>PROCEDURE NAME</u><br>RNAV (GPS) Z RWY 3 | <u>AMDT NO.</u><br>2 | <u>CITY</u><br>SANTA MONICA | <u>STATE</u><br>CA                                      | <u>AIRPORT ELEVATION</u><br>170 | <u>FACILITY</u><br>RNAV |
| 34:1                                                                |                                             |                      |                             |                                                         |                                 |                         |
| 172 TREE (06-042875) 340038.5500N/1182732.9900W (14.71)             |                                             |                      |                             | 188 TREE (06-042880) 340035.2100N/1182738.8900W (13.38) |                                 |                         |
| 187 TRANSMISSION_LINE (06-001660) 340033.4700N/1182742.2800W (2.81) |                                             |                      |                             |                                                         |                                 |                         |
| <u>PENETRATIONS REMARKS:</u>                                        |                                             |                      |                             |                                                         |                                 |                         |
|                                                                     |                                             |                      |                             |                                                         |                                 |                         |

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

|                              |
|------------------------------|
| <u>PENETRATIONS REMARKS:</u> |
|                              |

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - WITHIN .5 NM OF MAP.

CLIMB-IN-HOLD RESTRICTED TO 175KTS PER REQ TO REDUCE TERRAIN PENETRATIONS. EVALUATED AT 200KTS TEMPLATE (P-6).

AVERAGE VEGETATION HEIGHT 75 FEET PER FPT.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

|                 |              |                                 |        |
|-----------------|--------------|---------------------------------|--------|
| DISTANCE FROM   | THLD         | TO 1000FT POINT                 | 2.38   |
| WIDTH OF        | FINAL        | SEGMENT AT 1000FT POINT         | 1.20   |
| TRUE COURSE OF  | FINAL        | SEGMENT CONTAINING 1000FT POINT | 074.48 |
| HIGH TERRAIN IN | FINAL        | SEGMENT CONTAINING 1000FT POINT | 100    |
| DISTANCE FROM   | THLD         | TO 1500FT POINT                 | 7.51   |
| WIDTH OF        | INTERMEDIATE | SEGMENT AT 1500FT POINT         | 4.00   |
| TRUE COURSE OF  | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 082.39 |
| HIGH TERRAIN IN | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 0      |

THRESHOLD COORDINATES (IF STR-IN) 340044.63N/1182719.29W

ARP COORDINATES 340056.96N/1182704.70W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 3 DISTANCE 0.29 NM

FAF COORDINATES 335930.43N/1183100.67W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

|                                         |               |             |                                     |
|-----------------------------------------|---------------|-------------|-------------------------------------|
| <u>NAME</u>                             | <u>OFFICE</u> | <u>DATE</u> | <u>TITLE</u>                        |
| ROBERT G HAMILTON (KAMARUDINI R. RAIMI) | AJV-A433      | 08/16/2024  | AERONAUTICAL INFORMATION SPECIALIST |



AIRPORT ID  
SMO

PROCEDURE NAME  
RNAV (GPS) Z RWY 3

AMDT NO.  
2

CITY  
SANTA MONICA

STATE  
CA

AIRPORT ELEVATION  
170

FACILITY  
RNAV

