

PRELIMINARY DRAFT
Proposed Freedom Hangar

OPTION 1

This is the proposed 110' X 120' Freedom Hangar Location on the existing GA apron as proposed by the owner group in June 2010.

Preliminary Site Plan:

- Site preparation - Relocate 21-25 existing GA aircraft parking positions/tie downs
- Construct Freedom Hangar on south edge of existing GA apron
- Construct Concrete Apron Pad in front of hangar
- Define aircraft ingress/egress to GA area; Remark GA Apron centerline

Issues:

- 500' BRL (Structures are to be 500' or greater from R/W centerline)
- Line of sight - ATCT to Taxiways F, B and G
- Loss of 12 -15 GA parking position in front of GA Maintenance Hangar
- Loss of 9-10 GA parking position south edge of apron
- Loss of apron area in front of existing GA Maintenance Hangar
- Access to Hangar-security issue
- Constructing Hangar on FAA funded apron
- Nav aids impact???

Analysis:

- Freedom Hangar location not consistent with the Master Plan/ALP
- Hangar sited on existing FAA funded GA common use public aircraft parking apron pavement
- ATCT line of sight problems
- Hangar too close to runway
- Hangar location impacts existing GA Maintenance operations area
- Expand west GA apron to accommodate 20-25 GA parking/tie down positions

OPTION 2

Preliminary Site Plan:

- Site preparation - Relocate existing 3 Facilities
- Construct new GA tie down area to accommodate 20-25 GA aircraft parking
- Construct Freedom Hangar east end area of existing GA Maintenance Hangar
- Construct Concrete Apron Pad in front of hangar
- Remark GA Apron centerline

Issues:

- Relocate existing 3 Facilities; need new site location for these three facilities
- Loss of 6-7 GA parking position adjacent to GA Maintenance Hangar
- Loss of apron area adjacent to existing GA Maintenance Hangar
- Constructing Hangar on part of FAA funded apron

Analysis:

- Freedom Hangar location not consistent with the Master Plan/ALP
- Half of Hangar sited on existing FAA funded GA common use public aircraft parking apron pavement
- Hangar location impacts existing GA Maintenance operations area
- New area need to accommodate relocated facilities
- Expand west GA apron to accommodate 4-6 GA parking/tie down positions.

OPTION 3

Preliminary Site Plan:

- Site preparation - relocate helicopter parking positions
- Construct Freedom Hangar on west end of existing helicopter parking apron
- Construct Concrete Apron Pad required in front of hangar
- Construct Apron expansion required to accommodate the relocated helicopter parking positions
- Existing Oil Water Separator to be relocated
- Remark GA Apron centerline

Issues:

- Loss of 4-6 helicopter parking position adjacent to GA Maintenance Hangar
- Loss of apron Taxi lane area adjacent to existing GA Maintenance Hangar
- Constructing Hangar on FAA funded apron
- Where to relocate helicopter parking positions

Analysis:

Freedom Hangar location not consistent with the Master Plan/ALP

- Hangar sited on existing FAA funded GA common use public aircraft parking apron pavement
- Hangar location impacts existing GA Maintenance operations area
- Apron expansion required to accommodate the relocation for helicopter parking positions

OPTION 4

Preliminary Site Plan:

- Site preparation - Green field site
- Fill material required
- Construct Freedom Hangar on fill material
- Construct Concrete Apron Pad required
- Construct Apron expansion required for corporate jet ingress/egress
- Existing Oil Water Separator to be relocated
- Remark GA Apron centerline

Issues:

- Loss of GA parking positions adjacent to GA Maintenance Hangar and helicopter parking areas
- Loss of apron area adjacent to existing GA Maintenance Hangar
- Constructing Hangar on fill material
- New GA Taxiway/Apron area required
- Existing Oil Water Separator to be relocated

Analysis:

- Freedom Hangar location not consistent with the Master Plan/ALP
- Hangar location impacts existing GA Maintenance operations area
- No loss of GA aircraft parking position
- Helicopter parking apron to remain

OPTION 5

Preliminary Site Plan:

- Site preparation- Green field site
- Fill material required
- Construct Freedom Hangar on fill material
- Construct Concrete Apron Pad required in front of hangar
- Construct New Taxiway pavement required
- Construct New Taxiway Bridge over drainage ditch required
- Construct Drainage ditch improvement

Issues:

- Constructing Hangar on fill material
- New GA Taxiway/Apron pavement required
- New Taxiway Bridge over drainage ditch required

Analysis:

- Freedom Hangar in this location is not consistent with the Master Plan/ALP
- Hangar location does not impact existing GA Maintenance operations area
- Hangar location does not impact the existing helicopter parking apron
- No loss of existing GA aircraft parking position