

ACRP 08-03 CSPP - EXAMPLE SET OF CONSTRUCTION SAFETY AND PHASING PLAN DRAWINGS



ACRP PROJECT NO. 08-03
AUGUST 2020

NOTES

THIS DOCUMENT PROVIDES AN EXAMPLE SET OF CONSTRUCTION SAFETY PHASING DRAWINGS FOR AN AIRFIELD CONSTRUCTION PROJECT. IT INCLUDES THE FOLLOWING:

1. AN OVERALL PHASING GRAPHIC SHOWING ALL THE PHASES OF THE PROJECT
2. TWO DETAILED DRAWINGS SHOWING TWO SPECIFIC PHASES OF THE PROJECT

DETAILED PHASE DRAWINGS FOR ALL THE PHASES OF THE PROJECT HAVE NOT BEEN INCLUDED.

IT SHOULD BE NOTED THAT THIS IS AN EXAMPLE SET OF CSPP DRAWINGS DEVELOPED BASED ON THE BEST PRACTICES AND LESSONS LEARNED IDENTIFIED THROUGH ACRP PROJECT 08-03: CSPP. AIRPORT SPONSORS AND ENGINEERS/DESIGNERS SHOULD WORK WITH THE FAA AND OTHER CSPP STAKEHOLDERS TO DEVELOP CSPP DRAWINGS THAT MEET THE UNIQUE REQUIREMENTS OF THEIR AIRPORT AND PROJECT.

REV.	DATE	DESCRIPTION	BY
1	7/31/2020	ISSUED FOR CONSTRUCTION	BCA
1	9/12/2020	CONSTRUCTION REVISION NO. 1	BCA

AIRPORT COOPERATIVE RESEARCH PROGRAM WASHINGTON, DC
ACRP 08-03 - CONSTRUCTION SAFETY AND PHASING PLANS

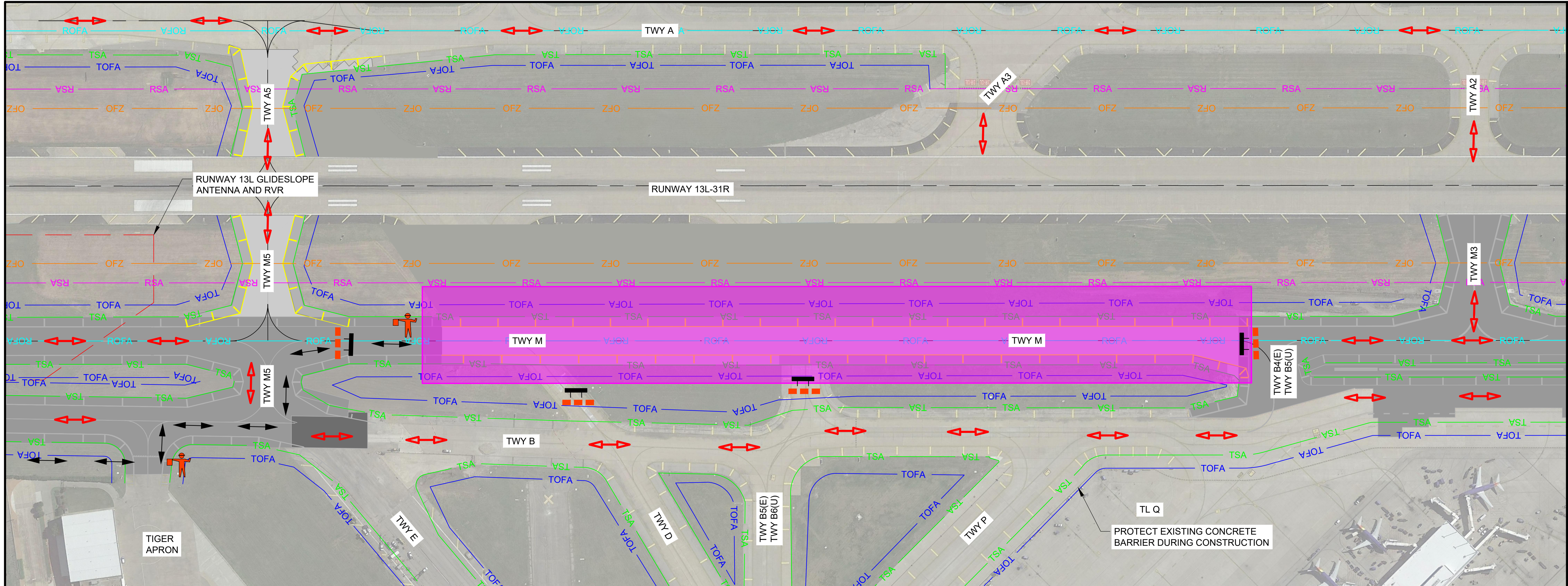
COVER SHEET

JOB NO.: 1234ABCD
DATE: AUG. 2020
DESIGNED BY:
DRAWN BY:

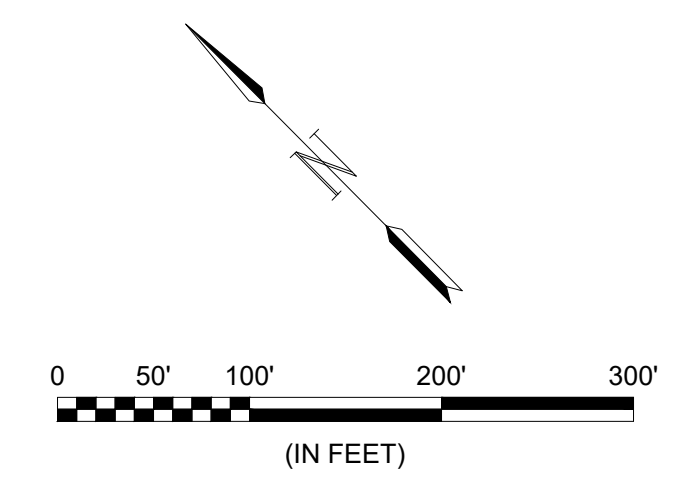
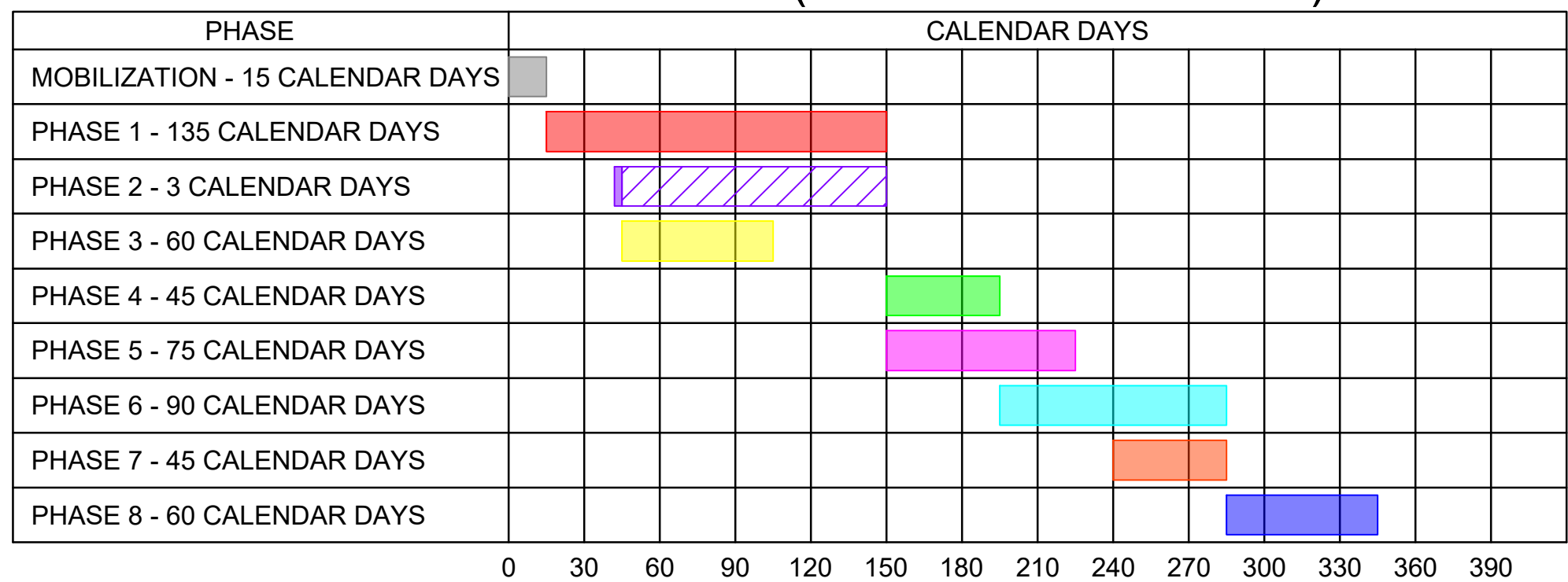
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
G-300

SHEET NUMBER
1



CONSTRUCTION TIME (345 CALENDAR DAYS)



NOTES:

1. RUNWAY 13L-31R WILL REMAIN OPEN FOR THE DURATION OF PHASE 5.
2. CONSTRUCTION VEHICLES SHALL YIELD TO AIRCRAFT AT ALL TIMES.
3. CONTRACTOR WILL BE REQUIRED TO INSTALL TEMPORARY CONSTRUCTION FENCING OR SNOW FENCING SURROUNDING THE PHASE 5 WORK AREA. FENCE LAYOUT AND INSTALLATION METHODS WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND OWNER. FENCING SHALL REMAIN OUTSIDE THE RSA AND TOFA.
4. THE CONTRACTOR SHALL CLEARLY IDENTIFY THE RUNWAY SAFETY AREA, TAXIWAY SAFETY AREA, AND TAXIWAY OBJECT FREE AREA IN THE VICINITY OF THE PHASE 5 CONSTRUCTION AREA AND ACCESS ROUTES.
5. SEE SHEET 302A FOR TEMPORARY MARKING REMOVAL AND INSTALLATION REQUIRED FOR PHASE 5 OF CONSTRUCTION.
6. SEE SHEET 302B FOR TEMPORARY ELECTRICAL REQUIREMENTS FOR PHASE 5 OF CONSTRUCTION.
7. DURING PERIODS OF HIGH VOLUME CONSTRUCTION TRAFFIC AND WHEN DIRECTED BY THE ENGINEER, A TRAINED CONSTRUCTION FLAGGER WILL BE REQUIRED IN THE LOCATIONS INDICATED ON THE PLANS. IN THE EVENT OF AN AIRCRAFT USING THE TAXIWAY IN THE VICINITY OF THE PHASE 5 CONSTRUCTION ENTRANCE, THE FLAGGER SHALL ENSURE THE FOLLOWING:
 - A. ALL CONSTRUCTION TRAFFIC IN THE VICINITY OF THE PHASE 5 CONSTRUCTION ENTRANCE ARE MOVED OUTSIDE OF THE TAXIWAY OBJECT FREE AREA.
 - B. ALL ACTIVE TAXIWAY PAVEMENT IS FREE FROM CONSTRUCTION DEBRIS.
8. SEE THE CONSTRUCTION SAFETY AND PHASING OVERALL SHEET FOR REQUIREMENTS FOR VACUUM TRUCK OPERATION.

LEGEND

- CONSTRUCTION AREA - PHASE 5
- CONSTRUCTION SITE ACCESS ROUTE
- PROPOSED PAVEMENT
- PROPOSED SHOULDER
- PROPOSED TAXIWAY
- LOW PROFILE BARRICADES
- FLAGGER/MOVEMENT AREA ENTRY
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- OFZ OBSTACLE FREE ZONE
- GLIDESLOPE CRITICAL AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- TEMPORARY TAXIWAY END SIGNAGE
- AIRCRAFT TAXI ROUTES

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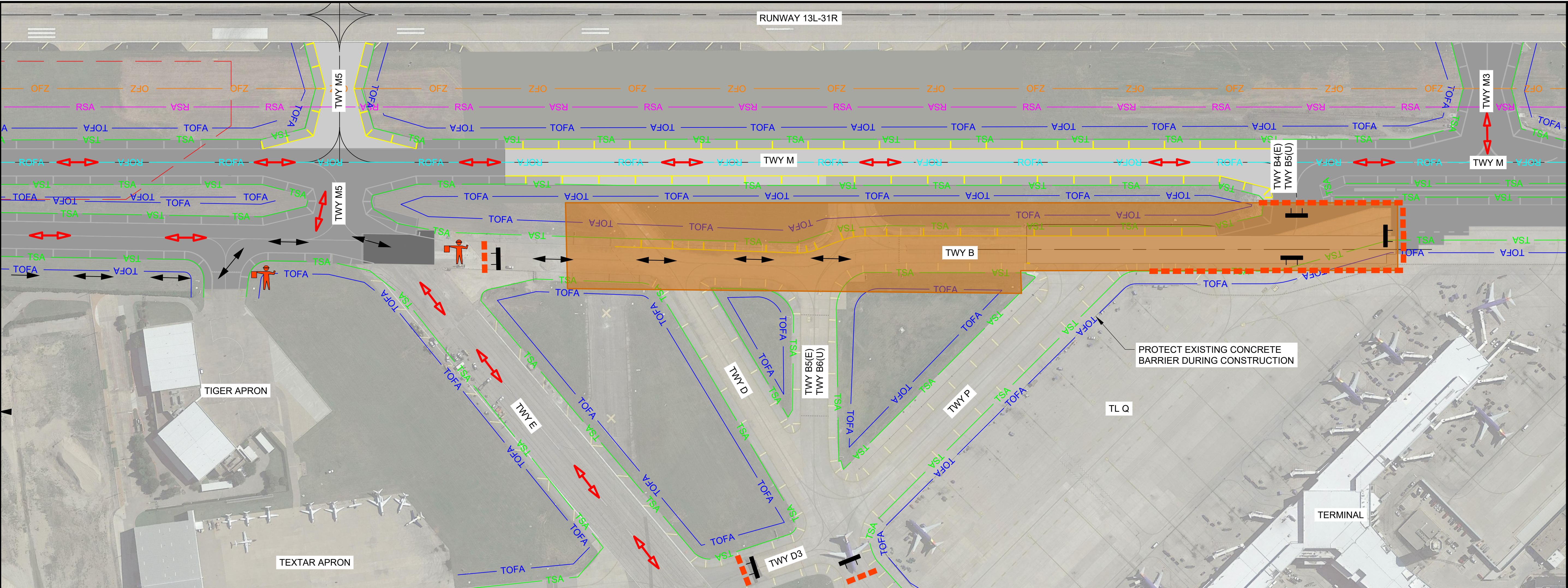
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 ACRP 08-03 - CONSTRUCTION SAFETY AND PHASING PLANS

CONSTRUCTION SAFETY & PHASING PLAN - PHASE 5

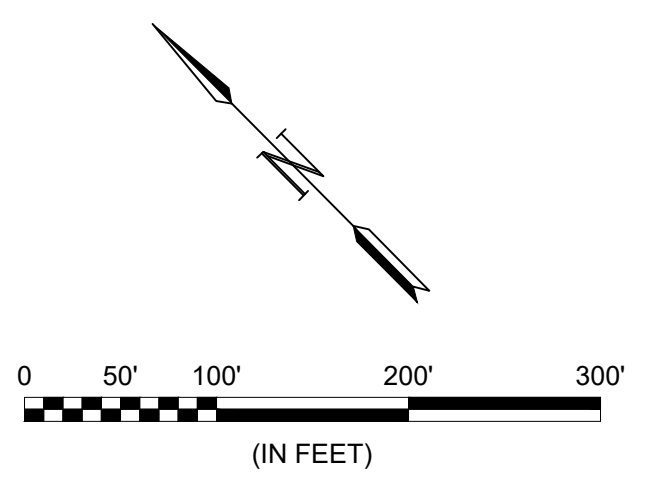
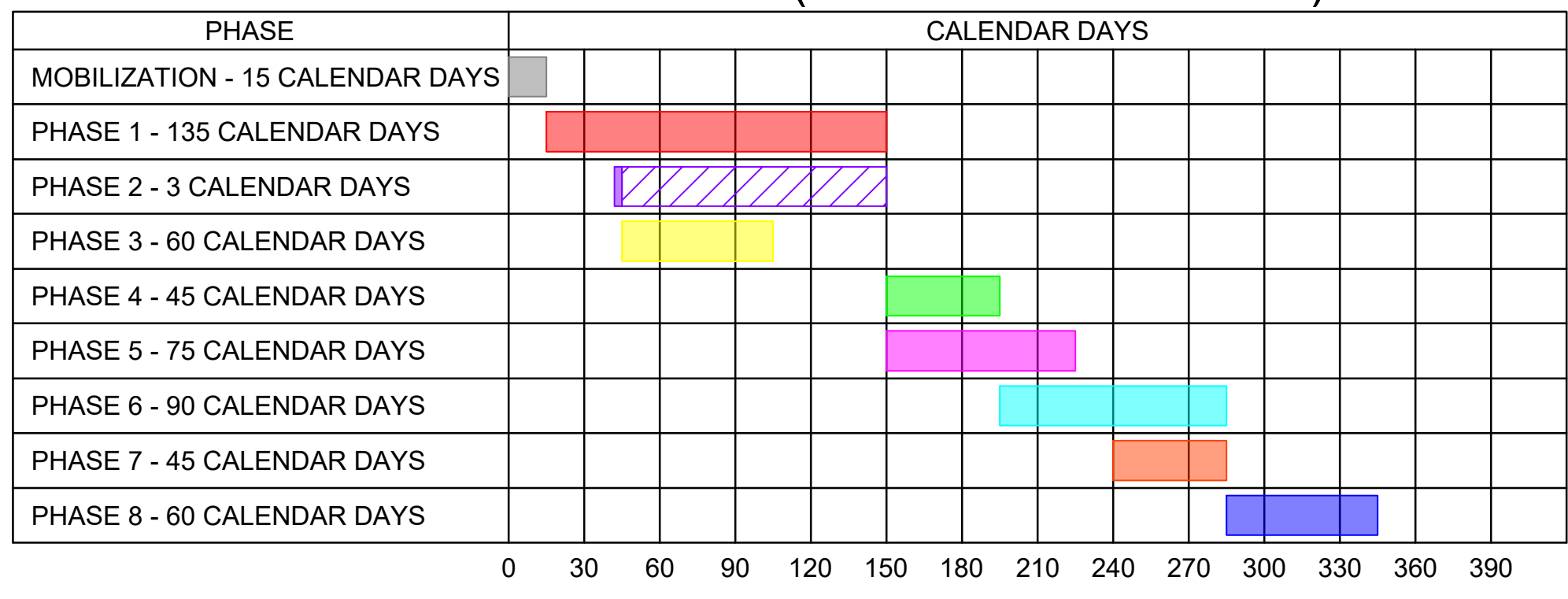
JOB NO.: 1234ABCD
 DATE: AUG. 2020
 DESIGNED BY:
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BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
G-302
 SHEET NUMBER
3

File: L:\2018\18081123 - DAL - TW Bravo Phases II and IV Drawings\Phase II\MISC\2020 ACRP CSPP Exhibit\08-12-2020\DAL CSPP - PHASE 5.dwg Last Save: 8/13/2020 2:09 PM Last saved by: JHerron
 Last plotted by: Herron, Johanna D. Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 10/9/2020 10:03 AM Plotter used: _DWG To PDF.pc3



CONSTRUCTION TIME (345 CALENDAR DAYS)



NOTES:

- RUNWAY 13L-31R WILL REMAIN OPEN FOR THE DURATION OF PHASE 7.
- CONSTRUCTION VEHICLES SHALL YIELD TO AIRCRAFT AT ALL TIMES.
- CONTRACTOR WILL BE REQUIRED TO INSTALL TEMPORARY CONSTRUCTION FENCING OR SNOW FENCING SURROUNDING THE PHASE 7 WORK AREA. FENCE LAYOUT AND INSTALLATION METHODS WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND OWNER. FENCING SHALL REMAIN OUTSIDE THE RSA AND TOFA.
- THE CONTRACTOR SHALL CLEARLY IDENTIFY THE RUNWAY SAFETY AREA, TAXIWAY SAFETY AREA, AND TAXIWAY OBJECT FREE AREA IN THE VICINITY OF THE PHASE 7 CONSTRUCTION AREA AND ACCESS ROUTES.
- SEE SHEET 303A FOR TEMPORARY MARKING REMOVAL AND INSTALLATION REQUIRED FOR PHASE 7 OF CONSTRUCTION.
- SEE SHEET 303B FOR TEMPORARY ELECTRICAL REQUIREMENTS FOR PHASE 7 OF CONSTRUCTION.
- DURING PERIODS OF HIGH VOLUME CONSTRUCTION TRAFFIC AND WHEN DIRECTED BY THE ENGINEER, A TRAINED CONSTRUCTION FLAGGER WILL BE REQUIRED IN THE LOCATIONS INDICATED ON THE PLANS. IN THE EVENT OF AN AIRCRAFT USING THE TAXIWAY IN THE VICINITY OF THE PHASE 7 CONSTRUCTION ENTRANCE, THE FLAGGER SHALL ENSURE THE FOLLOWING:
 - ALL CONSTRUCTION TRAFFIC IN THE VICINITY OF THE PHASE 7 CONSTRUCTION ENTRANCE ARE MOVED OUTSIDE OF THE TAXIWAY OBJECT FREE AREA.
 - ALL ACTIVE TAXIWAY PAVEMENT IS FREE FROM CONSTRUCTION DEBRIS.
- SEE THE CONSTRUCTION SAFETY AND PHASING OVERALL SHEET FOR REQUIREMENTS FOR VACUUM TRUCK OPERATION.

LEGEND

- CONSTRUCTION AREA - PHASE 7
- CONSTRUCTION SITE ACCESS ROUTE
- PROPOSED PAVEMENT
- PROPOSED SHOULDER
- PROPOSED TAXIWAY
- LOW PROFILE BARRICADES
- FLAGGER/MOVEMENT AREA ENTRY
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- OFZ OBSTACLE FREE ZONE
- GLIDESLOPE CRITICAL AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- TEMPORARY TAXIWAY END SIGNAGE
- AIRCRAFT TAXI ROUTE

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CONSTRUCTION SAFETY & PHASING PLAN - PHASE 7

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DRAWING NUMBER
G-303
 SHEET NUMBER
4

File: L:\2018\18081123 - DAL - TW Bravo Phases II and IV Drawings\Phase II\MISC\2020 ACRP CSPP Exhibit\08-12-2020\DAL CSPP - PHASE 7.dwg Last Save: 8/13/2020 2:15 PM Last saved by: JHerron
 Last plotted by: Herron, Johanna D. Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 10/9/2020 10:04 AM Plotter used: DWG To PDF.pc3