

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:**

- AN OVERALL PHASING GRAPHIC SHOWING ALL THE PHASES OF THE PROJECT
- 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.

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

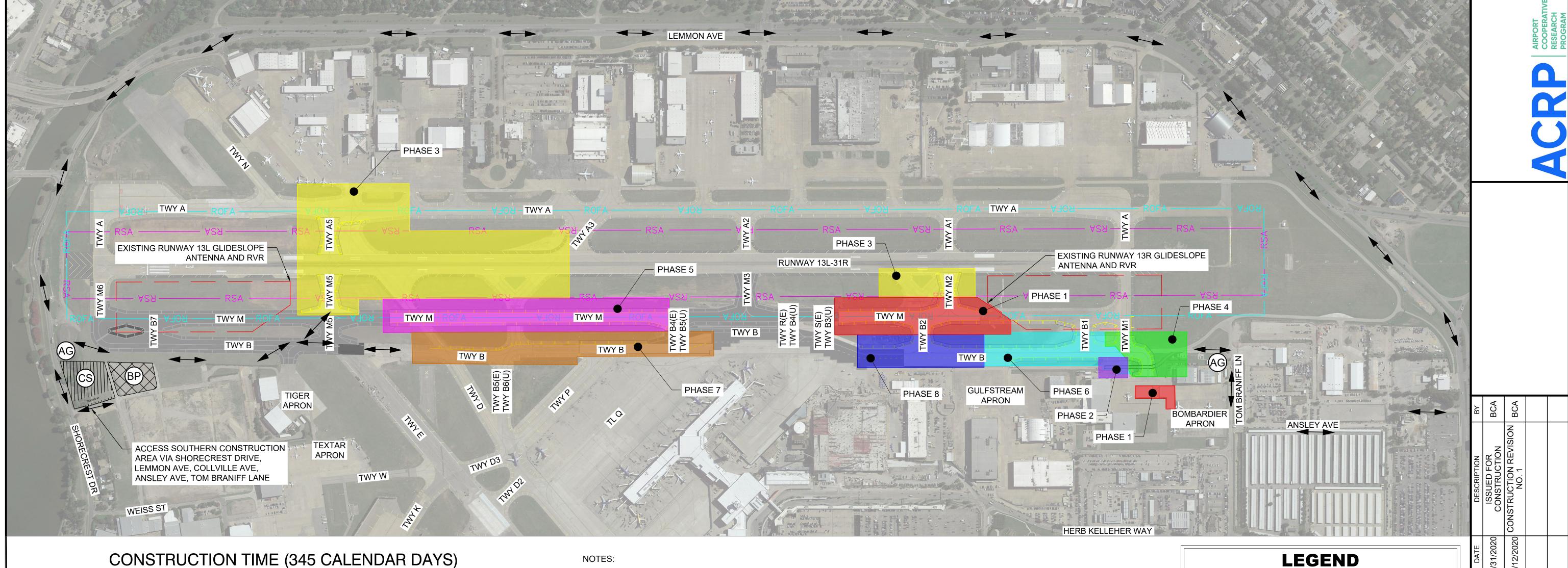
COVER SHEET

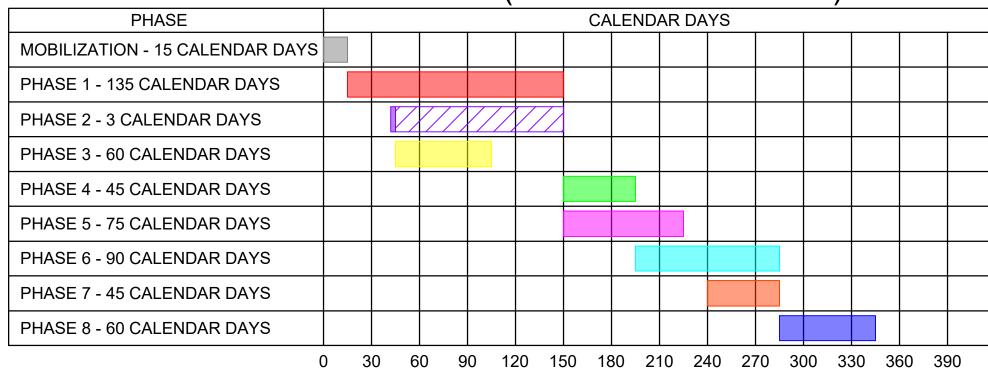
JOB NO.: 1234ABCD DATE: AUG. 2020 **DESIGNED BY:** DRAWN BY:

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET

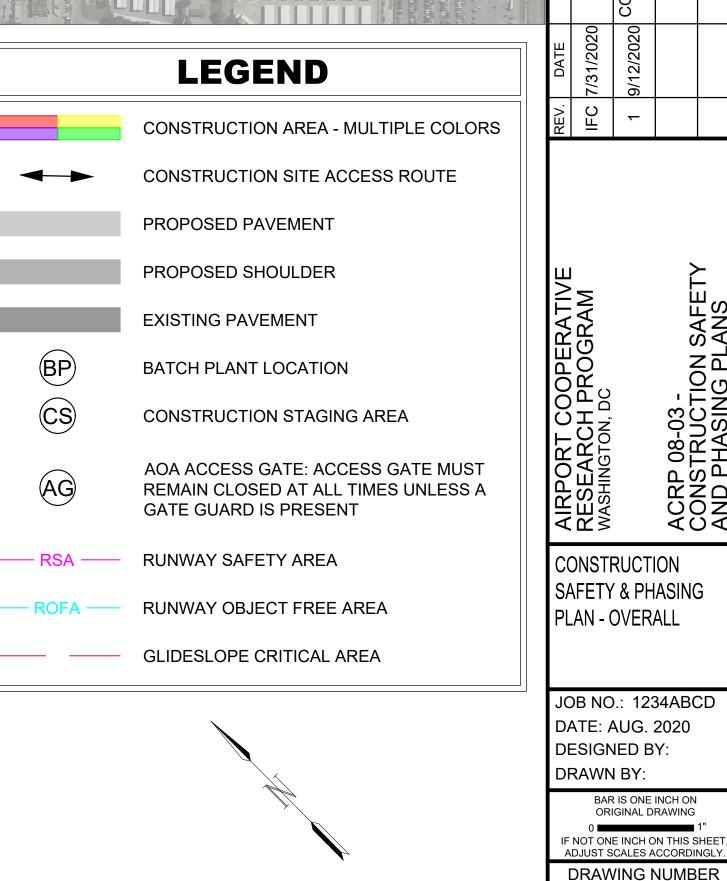
> DRAWING NUMBER **G-300**

NUMBER





- 1. PHASE 7 SHALL NOT OCCUR BETWEEN NOVEMBER 18 TO JANUARY 5.
- 2. ALL CONTRACTOR VEHICLES AND TRAFFIC SHALL REMAIN WITHIN THE LIMITS OF CONSTRUCTION AREAS, STAGING AREAS, OR HAUL ROUTES AS SHOWN ON THE PLANS, OR AS APPROVED BY THE OWNER OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 3. HAUL ROUTES LOCATION OF HAUL ROUTES ON THE AIRPORT SHALL BE AS SPECIFIED ON THE PLANS OR AS APPROVED BY THE OWNER AT THE PRE-CONSTRUCTION MEETING.
- 4. OPERATIONS ON THE VEHICLE SERVICE ROAD SHALL OBSERVE A SPEED LIMIT OF 20 MPH. THE TERMINAL AREA VEHICLE SERVICE ROAD AND RAMP SPEED LIMIT IS 15 MPH.
- 5. THE HAUL TRUCKS SHALL BE COVERED AT ALL TIMES. IN THE EVENT THAT ANY FOREIGN OBJECT, SPILLAGE, DEBRIS OR DUST BUILDS UP AS A RESULT OF HAULING, THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY CLEAN AND REMOVE THIS MATERIAL. DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES. IF TAXIWAY CROSSINGS ARE NECESSARY, 24 HR. NOTICE IS MANDATORY.
- 6. CONTRACTORS SHALL NOT ENTER ANY RUNWAY, TAXIWAY, OR ANY PROTECTED SURFACE UNLESS SPECIFICALLY APPROVED AS PART OF THE CONSTRUCTION PLAN.
- 7. CONSTRUCTION EQUIPMENT AND STOCKPILED MATERIALS MAY NOT BE LEFT WITHIN THE OBJECT FREE AREA OVERNIGHT.
- 8. REFER TO THE CONSTRUCTION SAFETY AND PHASING SPECIFICATION IN THE PROJECT MANUAL FOR ADDITIONAL SAFETY REQUIREMENTS.
- 9. CONTRACTOR STAGING AREA WILL REQUIRE SIGNIFICANT SITE PREPARATION FOR USE. TEMPORARY FENCING, AGGREGATE PARKING AREAS, AND TEMPORARY BARRIERS FOR STOCK PILE CONTAINMENT ARE THE MINIMAL ITEMS THAT MAY BE REQUIRED. A SITE PLAN APPROVAL WILL BE REQUIRED.
- 10. ALL VEHICLE MOVEMENT ON ACTIVE PORTIONS OF THE MOVEMENT AREA MUST BE CONDUCTED BY AN AIRPORT APPROVED MOVEMENT AREA TRAINED INDIVIDUAL OR BE ESCORTED BY SUCH AN INDIVIDUAL. CONSTRUCTION VEHICLES SHALL YIELD TO AIRCRAFTS AT ALL TIMES.
- 11. VACUUM TRUCK SHALL REMAIN ON-SITE AT ALL TIMES. VACUUM TRUCK MUST BE IN USE DURING HAULING OPERATIONS AND TO REMOVE ANY FOD.
- 12. LIMITS OF CONSTRUCTION AREAS SHOWN IN THESE DRAWINGS CORRESPOND TO THE AIRSPACING STUDIES SUBMITTED FOR REVIEW AND APPROVAL BY THE FAA. ANY CONSTRUCTION ACTIVITY REQUIRED TO TAKE PLACE OUTSIDE THE LIMITS SHOWN SHALL BE COORDINATED WITH THE ENGINEER AND OWNER PRIOR TO WORK IN THE AFFECTED AREAS AND MAY BE SUBJECTED TO AIRSPACING STUDIES.

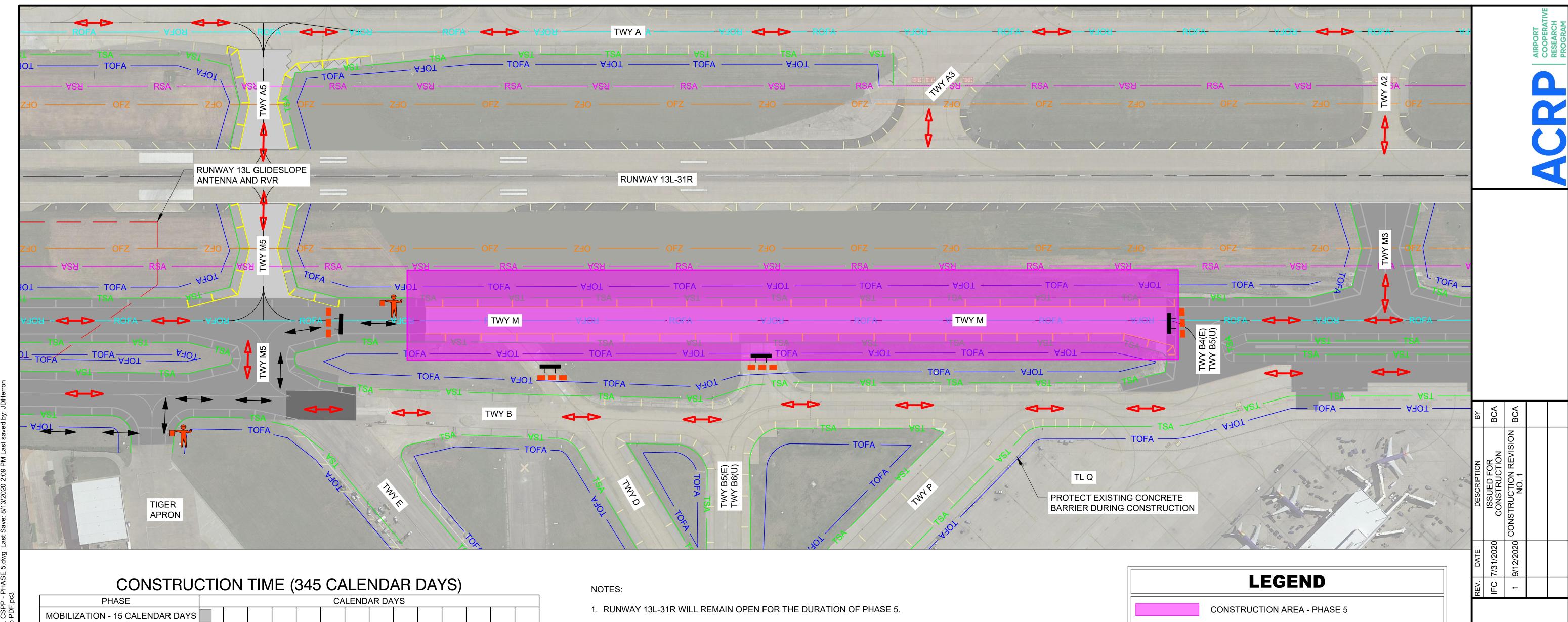


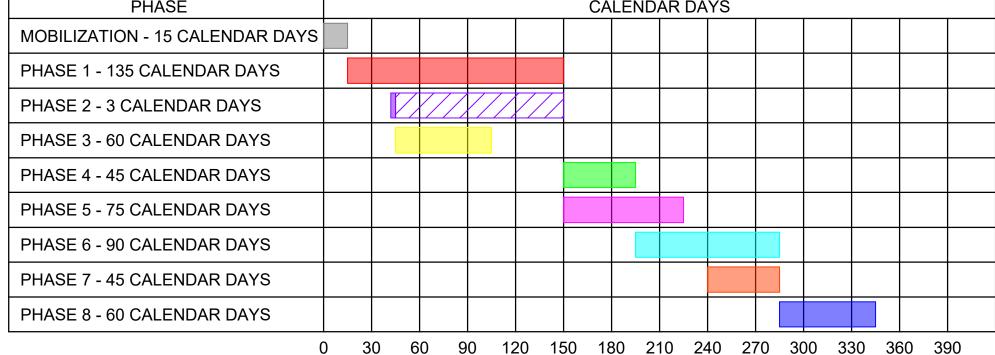
G-301

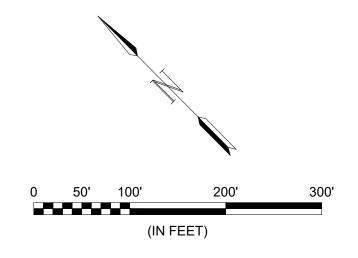
NUMBER

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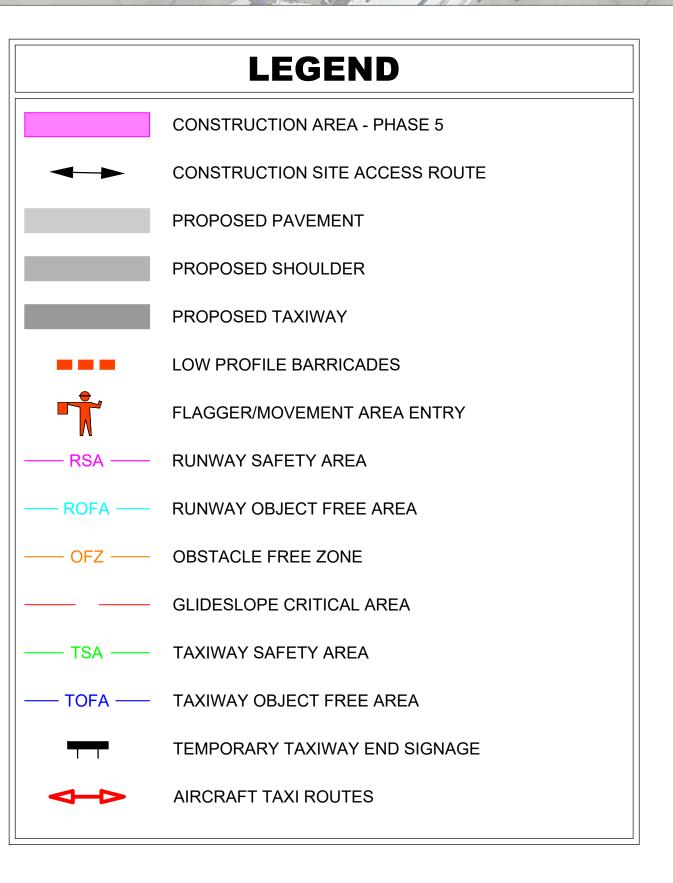
(IN FEET)







- 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.



AIRPORT COOPERATIVE

RESEARCH PROGRAM

ARSHINGTON, DC

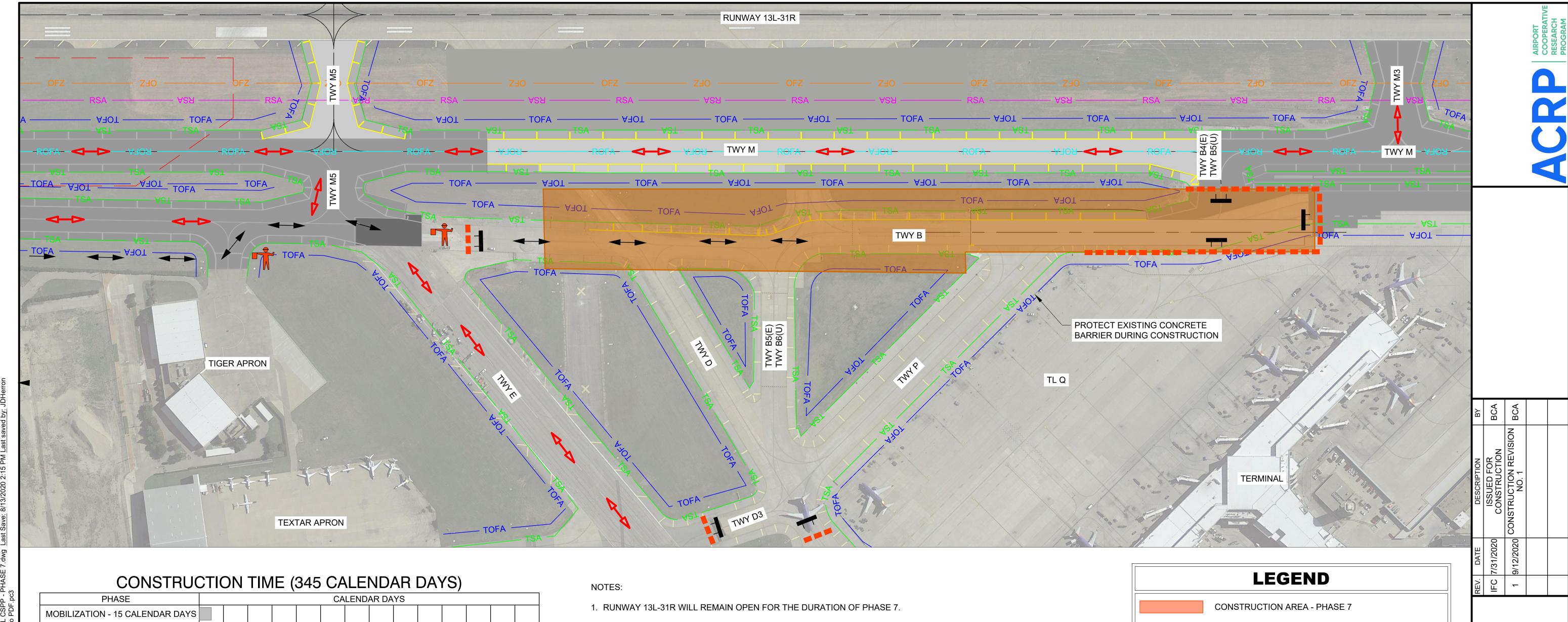
ACRP 08-03
CONSTRUCTION SAFETY

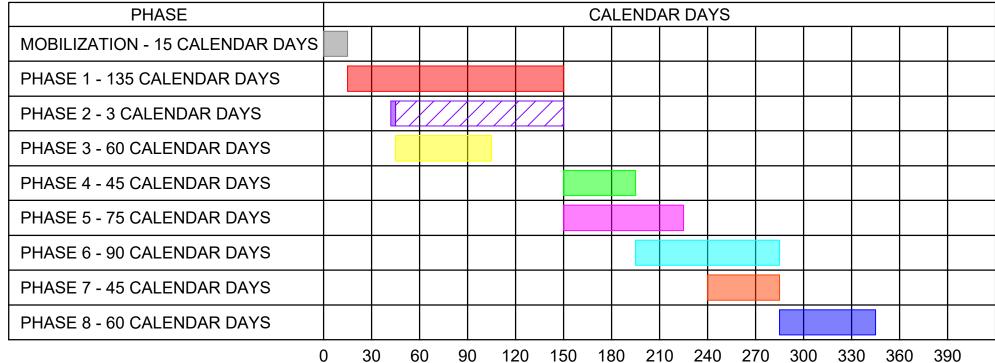
AND PHASING PLANS

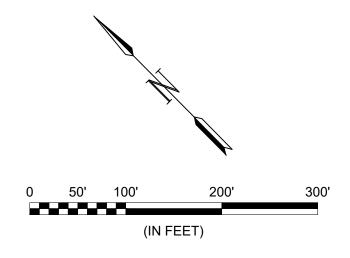
DRAWING NUMBER

G-302

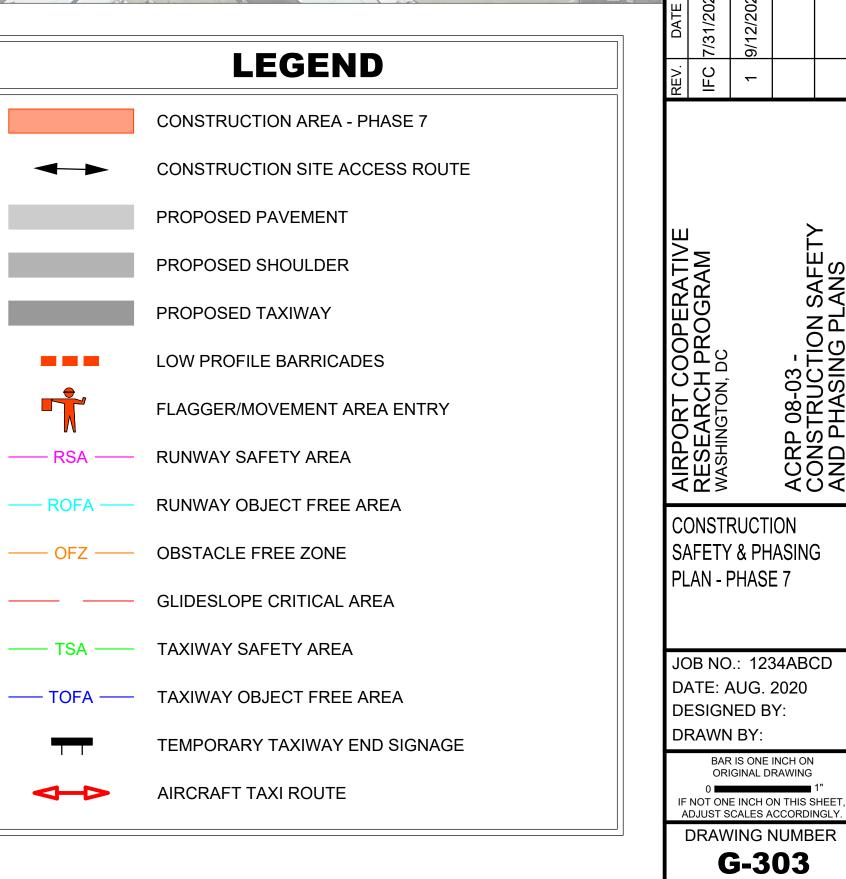
NUMBER







- 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 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.
- 4. 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.
- 5. SEE SHEET 303A FOR TEMPORARY MARKING REMOVAL AND INSTALLATION REQUIRED FOR PHASE 7 OF CONSTRUCTION.
- 6. SEE SHEET 303B FOR TEMPORARY ELECTRICAL REQUIREMENTS FOR PHASE 7 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 7 CONSTRUCTION ENTRANCE, THE FLAGGER SHALL ENSURE THE FOLLOWING:
 - A. ALL CONSTRUCTION TRAFFIC IN THE VICINITY OF THE PHASE 7 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.



ACRP 08-03 -CONSTRUCTION SAFET AND PHASING PLANS

NUMBER