

CONSTRUCTION PLANS - ISSUED APRIL 20, 2018

UPDATE PAVEMENT MARKING
CONFIGURATIONS AT RUNWAY HOLDING
POSITIONS ON TAXIWAYS

BI-STATE DEVELOPMENT AGENCY
ST. LOUIS DOWNTOWN AIRPORT (CPS)
CAHOKIA, ST. CLAIR COUNTY, ILLINOIS

IDA PROJECT NO.: CPS-4641
SBG PROJECT NO.: 3-17-SBGP-120

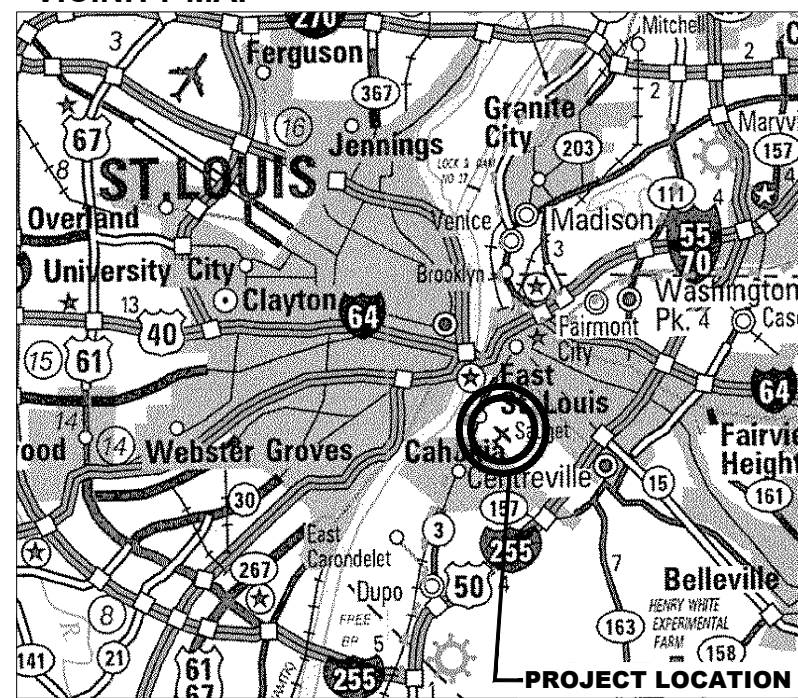
SCOPE OF WORK:

THIS PROJECT SHALL CONSIST OF THE REMOVAL OF PAVEMENT MARKINGS AND PAINTING NEW PAVEMENT MARKINGS IN A NEW CONFIGURATION AT MULTIPLE LOCATIONS ON THE AIRFIELD.

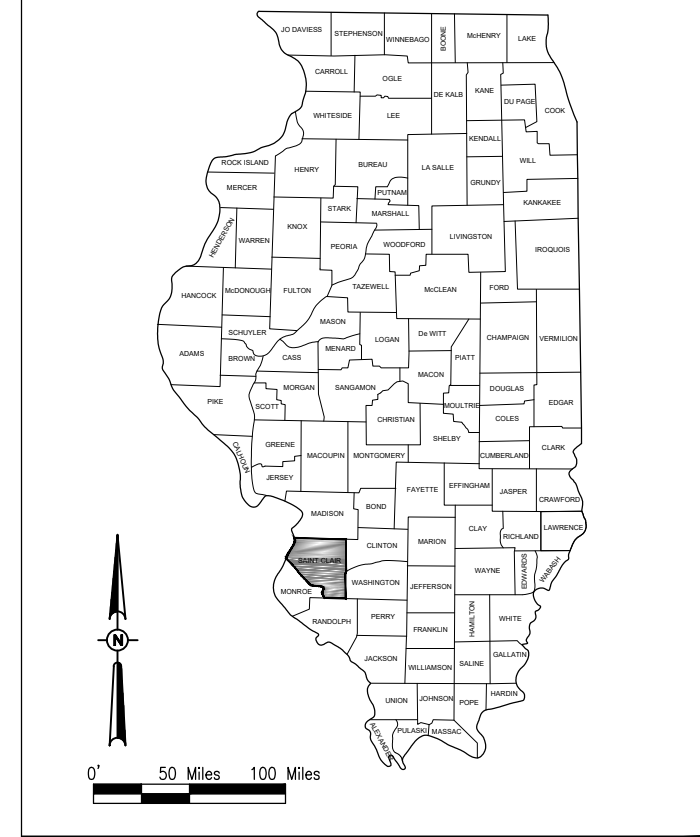
NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

VICINITY MAP



LOCATION MAP



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No.	Issue/Description	Sheets Changed	Date	By

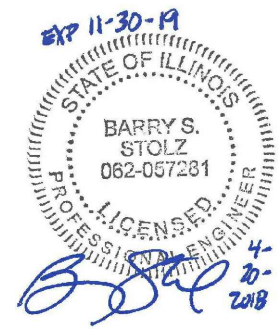
[Signature]
Barry S. Stolz, P.E.
Project Manager

STATE OF ILLINOIS
BARRY S. STOLZ
062-057281
LICENSED PROFESSIONAL ENGINEER
EXP 11-30-19
4-20-2018
Date

HANSON
HANSON PROFESSIONAL SERVICES INC.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Telephone: 217.788.2450
Fax: 217.788.2503

ST. LOUIS DOWNTOWN AIRPORT
Bi-State Development Agency
6100 Archview Drive
Cahokia, Illinois 62206-1445
Telephone: 618.337.6060

[Signature]
Erick A. Dahl
Airport Director
4/20/18
Date



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
SBG Project No: 3-17-SBGP-120
Contract No. SD060

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 20, 2018
PROJECT NO: 17A0069D
CAD FILE: G-002-FLP.DWG
DESIGN BY: BSS 12/19/2017
DRAWN BY: CWS 12/19/2017
REVIEWED BY: BSS 04/20/2018

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX TO SHEETS

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150520	MOBILIZATION	L.S.	1	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	7,220	
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	2,355	
AR620900	PAVEMENT MARKING REMOVAL	S.F.	11,840	

INDEX TO SHEETS

Sheet Number	Sheet Title
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	SCOPE OF WORK
4	PROPOSED CONSTRUCTION SAFETY PLAN
5	CONSTRUCTION SAFETY DETAILS AND NOTES
6	PAVEMENT MARKING PLANS 1 - 2
7	PAVEMENT MARKING PLANS 3 - 4
8	PAVEMENT MARKING PLANS 5 - 6 - 7
9	PAVEMENT MARKING PLANS 8 - 9
10	PAVEMENT MARKING PLANS 10 - 11
11	PAVEMENT MARKING PLANS 12 - 13
12	PAVEMENT MARKING PLANS 14 - 15
13	PAVEMENT MARKING PLANS 16 - 17
14	PAVEMENT MARKING PLANS 18 - 19
15	PAVEMENT MARKING PLANS 20 - 21
16	PAVEMENT MARKING DETAILS
17	SURFACE PAINTED HOLDING POSITION SIGN DETAILS

GENERAL NOTES:

QUANTITIES
PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS AND UNITS NOTED IN THE ABOVE TABLE IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM COMPLETED AND ACCEPTED BY THE ENGINEER.

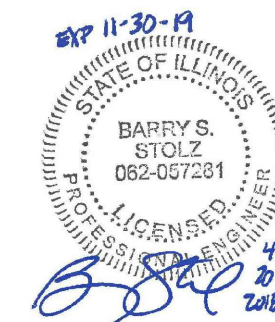
CERTIFIED PAYROLLS
THE RESIDENT ENGINEER/TECHNICIAN CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

MATERIAL CERTIFICATIONS
MATERIALS TO BE INCORPORATED INTO THE PROJECT CANNOT BE USED WITHOUT PRIOR APPROVAL. ALL MATERIALS TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER FOR APPROVAL. USE OF MATERIALS WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE ILLINOIS DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.



**ST. LOUIS
DOWNTOWN AIRPORT**

Bi-State Development Agency
6100 Archview Drive
Cahokia, IL 62206-1445



**UPDATE PAVEMENT
MARKING
CONFIGURATIONS**

IDA No: CPS-4641

SBG Project No:
3-17-SBGP-120

Contract No. SD060

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

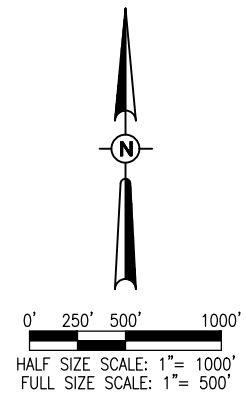
ISSUE: APRIL 20, 2018
PROJECT NO: 17A0069D
CAD FILE: G-003-SOW.DWG
DESIGN BY: BSS 12/19/2017
DRAWN BY: CWS 12/19/2017
REVIEWED BY: BSS 04/20/2018

SHEET TITLE

SCOPE OF WORK

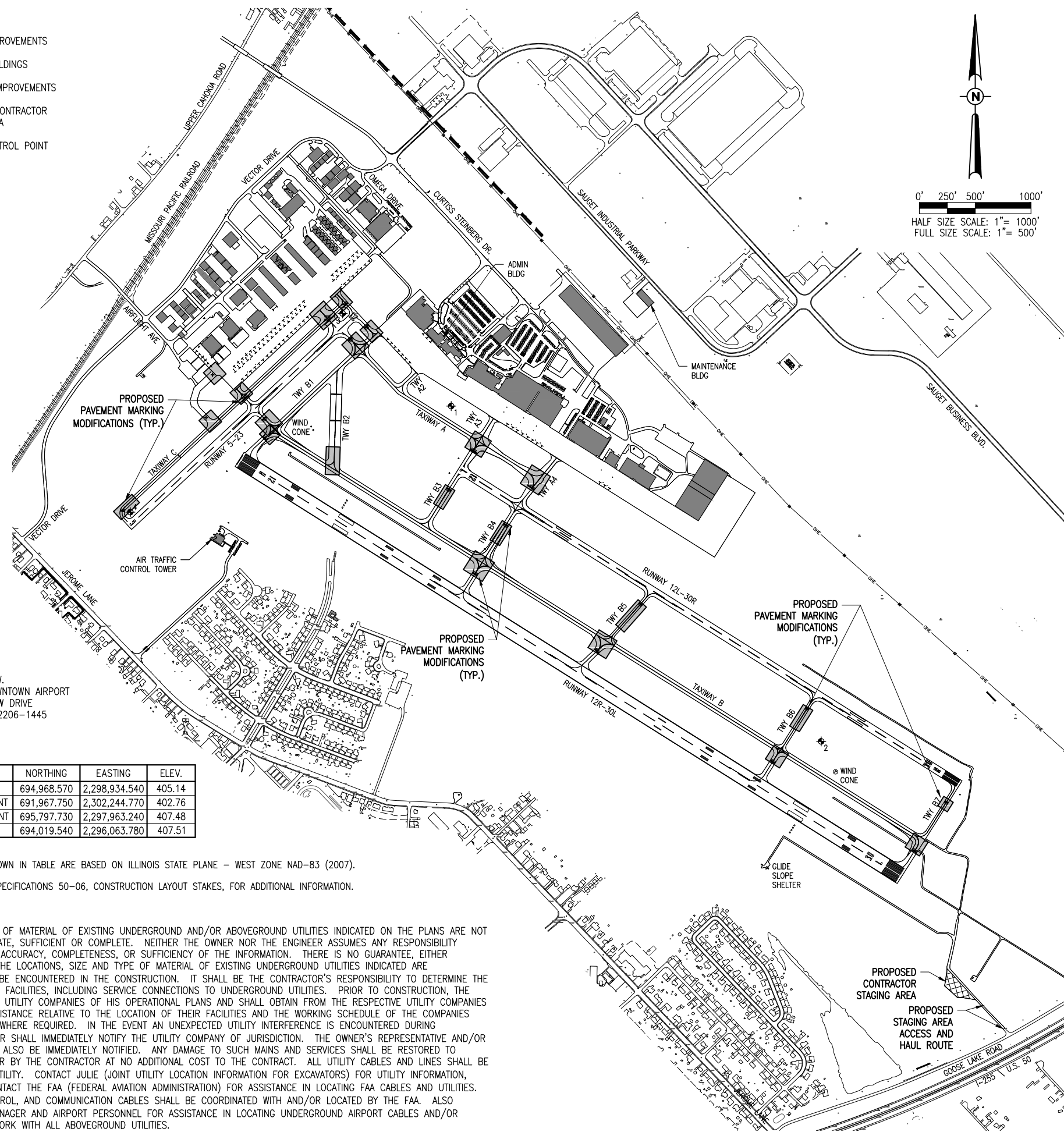
GENERAL NOTES

- THE SCOPE OF WORK SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THIS SHEET SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
- WORK FOR THIS PROJECT SHALL CONSIST OF, BUT IS NOT LIMITED TO, PAVEMENT MARKING REMOVAL, PAVEMENT MARKING AND INCIDENTALS.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS.
- THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.
- THE CONTRACTOR IS NOT PERMITTED TO USE THE AIRPORT ENTRANCE DRIVE AND AUTO PARKING LOT FOR MATERIAL AND EQUIPMENT HAULING OR STORAGE. THE CONSTRUCTION ENTRANCE AS SHOWN ON THE SCOPE OF WORK AND/OR SAFETY PHASING PLAN ARE ONLY TO BE USED FOR THE PROJECT. ACCESS TO THE PROJECT FOR ALL HAULING OF MATERIALS AND EQUIPMENT SHALL BE RESTRICTED TO THE DESIGNATED CONSTRUCTION ENTRANCE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT.
- NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
- CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
- THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN SO THEY MAY DEVELOP ONE SET OF REDLINED AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL NOTE THAT ALL AREAS WITHIN THE AIRPORT PROPERTY LINE AND OUTSIDE THE CONSTRUCTION LIMITS MAY BE USED FOR AGRICULTURAL PURPOSES. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY WORK. ALL AREAS WHICH HAVE BEEN FARMED AND OR DESIGNATED TO BE FARMED AFTER THE PROJECT COMPLETION, AND HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITY, SHALL BE CHISEL PLOWED (36" MAX.) OR OTHERWISE SCARIFIED TO RETURN THE AREA TO A REASONABLE TILLABLE CONDITION (IF SO PERMITTED BY THE AIRPORT MANAGER.)
- UNLESS OTHERWISE NOTED, CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF THE HAUL ROUTE.
- APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER PERSONS FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.



LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED CONTRACTOR STAGING AREA
- SURVEY CONTROL POINT



J.U.L.I.E. INFORMATION

COUNTY _____ ST. CLAIR
CITY _____ CAHOKIA
TOWNSHIP _____ CENTERVILLE
SECTION NO. _____ T.1N. - R.10W.
ADDRESS _____ ST. LOUIS DOWNTOWN AIRPORT
6100 ARCHVIEW DRIVE
CAHOKIA, IL 62206-1445

CONTROL POINT DATA

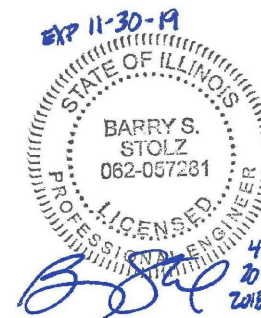
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	ALUM CAP IN CONC.	694,968.570	2,298,934.540	405.14
2	CPS A, NGS MONUMENT	691,967.750	2,302,244.770	402.76
3	CPS C, NGS MONUMENT	695,797.730	2,297,963.240	407.48
4	ALUM CAP	694,019.540	2,296,063.780	407.51

SURVEY NOTES

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE - WEST ZONE NAD-83 (2007).
- REFER TO IDOT STANDARD SPECIFICATIONS 50-06, CONSTRUCTION LAYOUT STAKES, FOR ADDITIONAL INFORMATION.

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.



**UPDATE PAVEMENT
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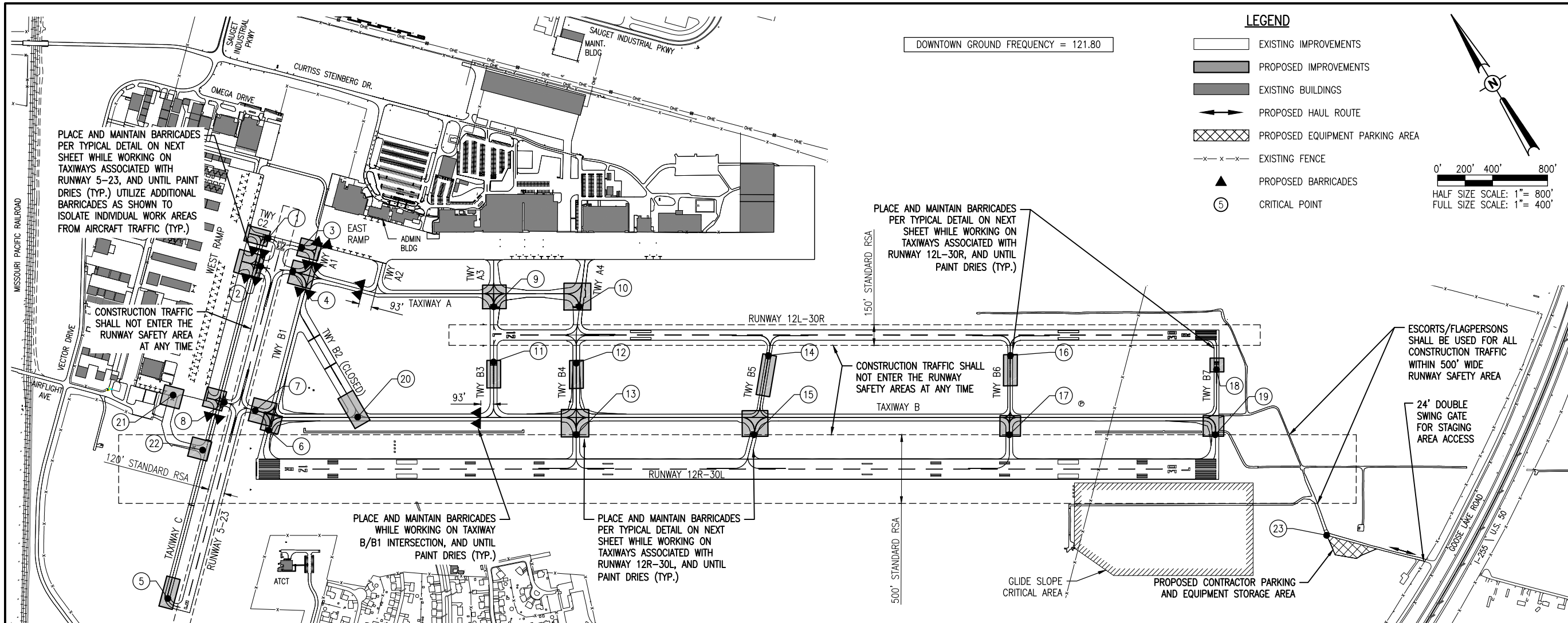
Contract No. SD060

NO.	DATE	DESCRIPTION	
		DES	REV

ISSUE: APRIL 20, 2018
PROJECT NO: 17A0069D
CAD FILE: G-004-SFY.DWG
DESIGN BY: BSS 12/19/2017
DRAWN BY: CWS 12/19/2017
REVIEWED BY: BSS 02/02/2018

SHEET TITLE

**PROPOSED
CONSTRUCTION
SAFETY PLAN**



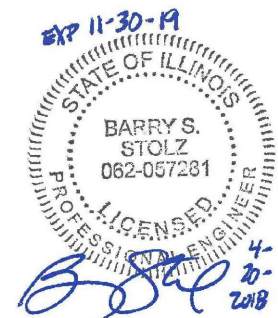
POINT #	LATITUDE	LONGITUDE	GROUND ELEVATION	PROPOSED EQUIPMENT HEIGHT	PROPOSED EQUIPMENT ELEVATION
1	N 38° 34' 39.97"	W 90° 09' 42.04"	411.0	25.0'	436.0
2	N 38° 34' 38.56"	W 90° 09' 43.97"	412.0	25.0'	437.0
3	N 38° 34' 38.18"	W 90° 09' 39.95"	410.0	25.0'	435.0
4	N 38° 34' 37.05"	W 90° 09' 41.77"	412.0	25.0'	437.0
5	N 38° 34' 21.86"	W 90° 10' 07.42"	412.0	25.0'	437.0
6	N 38° 34' 28.26"	W 90° 09' 51.33"	413.0	25.0'	438.0
7	N 38° 34' 30.04"	W 90° 09' 51.45"	414.0	25.0'	439.0
8	N 38° 34' 31.72"	W 90° 09' 53.50"	414.0	25.0'	439.0
9	N 38° 34' 27.22"	W 90° 09' 27.88"	411.0	25.0'	436.0
10	N 38° 34' 23.95"	W 90° 09' 21.31"	410.0	25.0'	435.0
11	N 38° 34' 23.67"	W 90° 09' 30.67"	414.0	25.0'	439.0
12	N 38° 34' 20.60"	W 90° 09' 24.20"	413.0	25.0'	438.0
13	N 38° 34' 16.28"	W 90° 09' 27.73"	413.0	25.0'	438.0
14	N 38° 34' 13.58"	W 90° 09' 09.03"	408.0	25.0'	433.0
15	N 38° 34' 09.43"	W 90° 09' 13.94"	414.0	25.0'	439.0
16	N 38° 34' 04.36"	W 90° 08' 50.27"	407.0	25.0'	432.0
17	N 38° 33' 59.65"	W 90° 08' 54.19"	410.0	25.0'	435.0
18	N 38° 33' 56.07"	W 90° 08' 34.61"	407.0	25.0'	432.0
19	N 38° 33' 51.78"	W 90° 08' 38.17"	410.0	25.0'	435.0
20	N 38° 34' 25.65"	W 90° 09' 43.79"	415.0	25.0'	440.0
21	N 38° 34' 34.05"	W 90° 09' 57.17"	416.0	25.0'	441.0
22	N 38° 34' 29.64"	W 90° 09' 57.46"	416.0	25.0'	441.0
23	N 38° 33' 41.29"	W 90° 08' 34.51"	407.0	25.0'	432.0

WORK AREA NOTES

- THE INTENT OF THE PHASING FOR THIS PROJECT IS FOR THE CONTRACTOR TO COMPLETE A STAGE OF WORK ON A SINGLE RUNWAY/TAXIWAY INTERSECTION PRIOR TO MOVING TO THE NEXT INTERSECTION.
 - STAGE 1 IS ANTICIPATED TO INCLUDE PLACING BARRICADES TO ISOLATE A PARTICULAR INTERSECTION FROM AIRCRAFT TRAFFIC, PERFORM THE MARKING REMOVAL WORK PER THE PLANS, CLEAN THE PAVEMENT AND REOPEN TO AIRCRAFT TRAFFIC BY REMOVING BARRICADES, AND MOVE TO THE NEXT INTERSECTION TO REPEAT THE PROCESS. FOLLOWING REMOVAL OPERATIONS THE AIRPORT DIRECTOR WILL ISSUE A NOTAM FOR NON-STANDARD MARKINGS ON THE AFFECTED TAXIWAY.
 - PLEASE NOTE THERE ARE EXCEPTIONS TO THE STAGE 1 PLAN -- ON INTERSECTION 14 AND INTERSECTION 16, THE RESPECTIVE TAXIWAY MUST REMAIN CLOSED UNTIL THE PROPOSED MARKINGS ARE PAINTED AND DRIED. THESE LOCATIONS ARE NOT ALLOWED TO BE REOPENED TO AIRCRAFT TRAFFIC WITHOUT THE PROPOSED MARKINGS. IN ADDITION, ANOTHER CONTRACTOR (CPS-4505) WILL BE RELOCATING EXISTING GUIDANCE SIGNS ADJACENT TO INTERSECTIONS 14 AND 16. THIS WORK MUST BE PERFORMED SIMULTANEOUSLY TO THE MARKINGS WORK AT THESE INTERSECTIONS. CLOSE COORDINATION BETWEEN THE CPS-4641 AND CPS-4505 CONTRACTORS IS EXPECTED AND REQUIRED IN ORDER TO PROPERLY SCHEDULE THE WORK.
 - STAGE 2 IS ANTICIPATED TO INCLUDE LAYOUT OF THE PROPOSED MARKINGS AND PAINTING OF THE PROPOSED MARKINGS PER THE PLANS. THE TAXIWAY IS TO REMAIN CLOSED UNTIL THE PAINT HAS SUFFICIENTLY DRIED. AFTER THE PAINT IS DRY, THE CONTRACTOR SHALL CLEAN THE PAVEMENT AND REOPEN TO AIRCRAFT TRAFFIC BY REMOVING BARRICADES. FOLLOWING PROPOSED MARKING OPERATIONS THE AIRPORT DIRECTOR WILL CANCEL THE NOTAM FOR NON-STANDARD MARKINGS.
 - THE CONTRACTOR MAY ELECT TO COMPLETE STAGE 1 WORK ON ALL INTERSECTIONS PRIOR TO BEGINNING ANY STAGE 2 WORK. THE CONTRACTOR MAY ALSO ELECT TO UTILIZE A REMOVAL CREW AND A SEPARATE LAYOUT/PAINTING CREW IN ORDER TO WORK ON 2 INTERSECTIONS SIMULTANEOUSLY, WITH THE REMOVAL WORK OCCURRING A DAY AHEAD OF THE LAYOUT/PAINTING WORK ON THE RESPECTIVE TAXIWAY. THE AIRPORT PREFERS A MAXIMUM OF 2 INTERSECTIONS BE CLOSED AT ANY GIVEN TIME. THE AIRPORT RESERVES THE RIGHT TO MAINTAIN ACTIVE AIRCRAFT OPERATIONS ON A SPECIFIC TAXIWAY IF OPERATIONAL NEEDS DICTATE AS SUCH DURING CONSTRUCTION.
 - IF THE CONTRACTOR ELECTS TO WORK CONCURRENTLY IN 2 INTERSECTIONS AS STATED ABOVE, THE MAINTENANCE OF TRAFFIC DEVICES SHALL REMAIN CONSISTENT WITH THOSE DEPICTED ON THE SAFETY PLAN AND DETAIL SHEETS. ONCE AN INTERSECTION IS CLOSED TO AIRCRAFT TRAFFIC AND CONSTRUCTION BEGINS, THAT STAGE OF CONSTRUCTION FOR THE INTERSECTION SHALL BE COMPLETED IN ITS ENTIRETY AND ACCEPTED BY THE OWNER FOR THE PURPOSE OF OPENING THE TAXIWAY PAVEMENT TO AIRCRAFT TRAFFIC, PRIOR TO CLOSING ANOTHER TAXIWAY TO AIRCRAFT.

OPERATIONAL SAFETY NOTES

- THE CONTRACTOR SHALL BE ESCORTED AT ALL TIMES ON THE ACTIVE AIRFIELD BY AIRPORT PERSONNEL AND THE RESIDENT ENGINEER/TECHNICIAN. IF THE CONTRACTOR INTENDS TO UTILIZE MULTIPLE CREWS WORKING IN SEPARATE AREAS OF THE AIRFIELD, ADVANCE COORDINATION WITH THE AIRPORT AND RESIDENT ENGINEER/TECHNICIAN IS REQUIRED IN ORDER TO ALLOW FOR PROPER SCHEDULING OF OWNER-PROVIDED ESCORT PERSONNEL.
- NO CONSTRUCTION PERSONNEL/EQUIPMENT ALLOWED WITHIN THE RUNWAY SAFETY AREA (RSA), RUNWAY OBSTACLE FREE ZONE (OFZ) OR TAXIWAY SAFETY AREA (TSA) WHEN PAVEMENTS ARE OPEN TO AIRCRAFT TRAFFIC. PAVEMENTS ARE TO BE KEPT FREE OF DEBRIS AT ALL TIMES. ANY DAMAGE TO PAVEMENTS BY THE CONTRACTOR'S FORCES SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
- CONSTRUCTION PERSONNEL WILL BE REQUIRED TO ATTEND AIRFIELD DRIVER SAFETY TRAINING (APPROXIMATELY 1 HOUR) AT THE AIRPORT PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
- AIRPORT SECURITY SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESTRICTED TO THE DESIGNATED WORK AREAS. THE CONTRACTOR SHALL ENSURE THAT ACCESS POINTS USED BY CONSTRUCTION VEHICLES AND PERSONNEL ARE MONITORED WHEN OPEN AND CLOSED (ELECTRIC GATES) OR LOCKED (MANUAL GATES) WHEN NOT IN USE TO PREVENT UNAUTHORIZED ACCESS TO THE AIRPORT MOVEMENT AREA.
- AT ALL TIMES, THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO MINIMIZE CLOSURES.
- AT THE COMPLETION OF ALL CONSTRUCTION, THE HAUL ROUTES AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS, WITH COSTS TO BE INCIDENTAL TO THE PROJECT.
- THE COSTS FOR PROVISION, PLACEMENT, MAINTENANCE AND REMOVAL OF BARRICADES AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.
- PRIOR TO THE ISSUANCE OF A CONSTRUCTION NOTICE-TO-PROCEED (NTP), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A SAFETY PLAN COMPLIANCE DOCUMENT IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G, PARAGRAPH 2.4.2, OR EQUIVALENT SECTION IN SUBSEQUENT/ CURRENT ISSUE. THE AIRPORT DIRECTOR SHALL APPROVE THIS DOCUMENT AND SUBMIT TO THE DIVISION OF AERONAUTICS FOR APPROVAL PRIOR TO THE NTP ISSUANCE.



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NO.	DATE	DESCRIPTION	
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ISSUE: APRIL 20, 2018

PROJECT NO: 17A0069D

CAD FILE: G-501-SFY.DWG

DESIGN BY: BSS 12/19/2017

DRAWN BY: CWS 12/19/2017

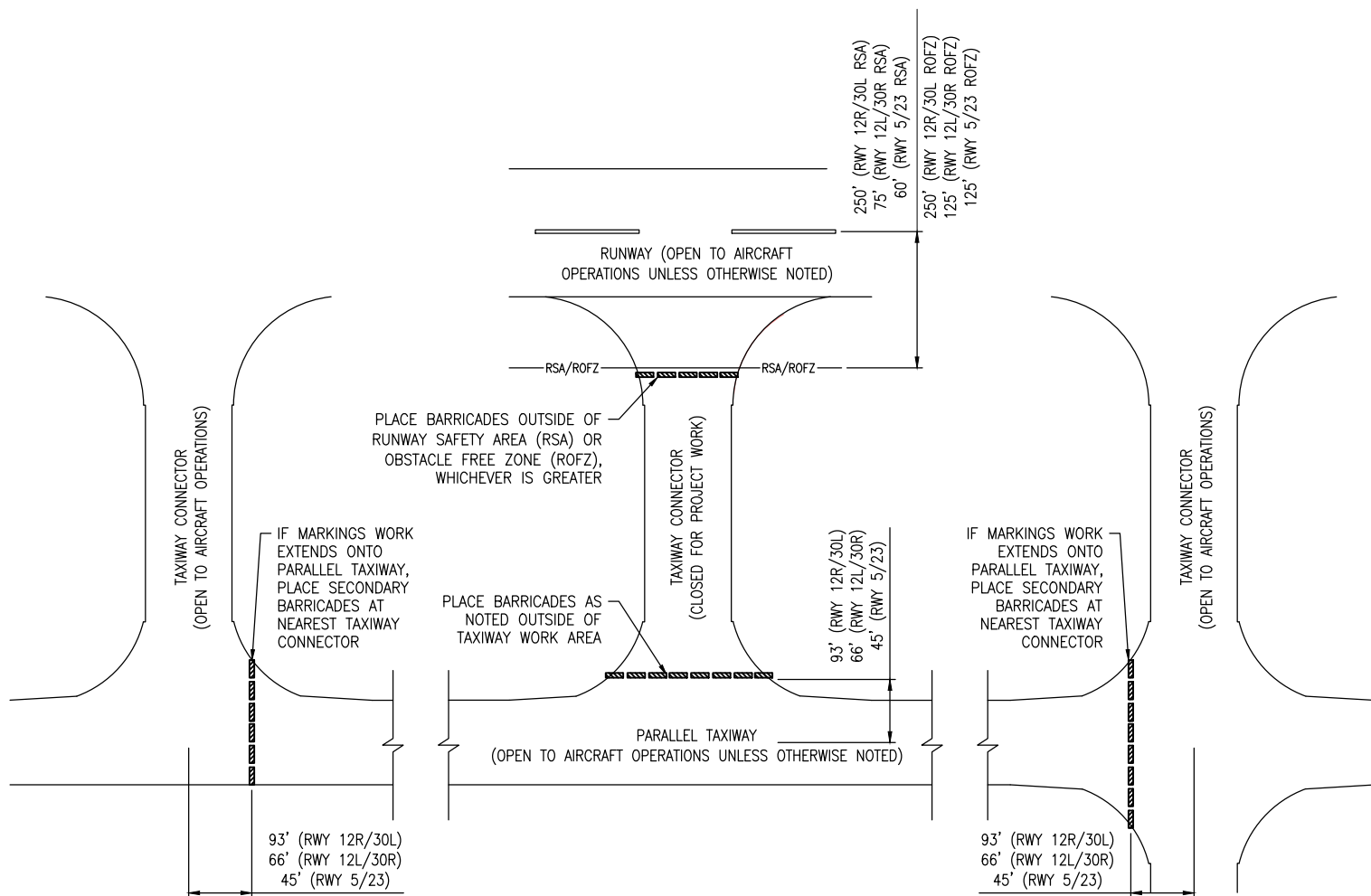
REVIEWED BY: BSS 02/02/2018

SHEET TITLE

**CONSTRUCTION
SAFETY DETAILS
AND NOTES**

SAFETY NOTES

- FOLLOWING ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT. ADDITIONAL REQUIREMENTS ARE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEET AND THIS SHEET.
- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN AT THE PRECONSTRUCTION CONFERENCE, OR DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 93' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY AIRPORT OPERATIONS AREA WILL BE PERMITTED UNLESS PROPERLY MARKED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT. HOWEVER OTHER EQUIPMENT TALLER THAN 25' MAY BE PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE (150' FOR RUNWAY 5-23) OR WITHIN 93' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE AREAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.



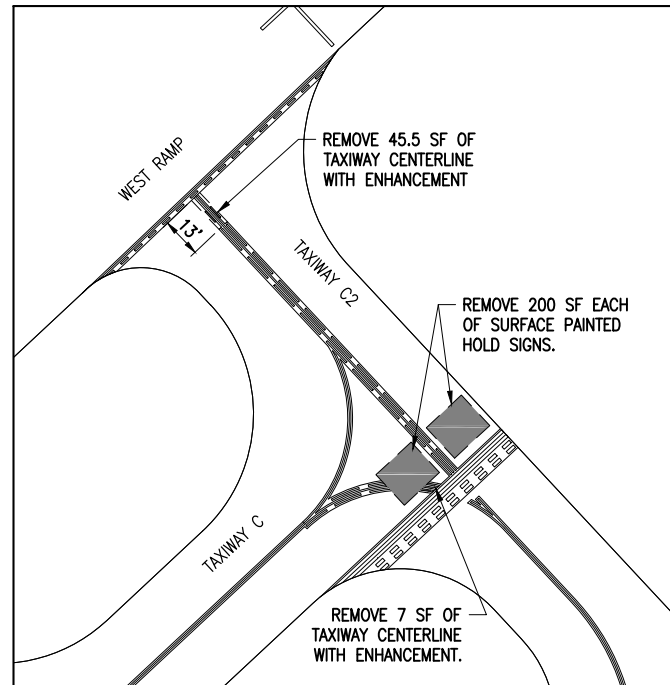
PLACEMENT OF BARRICADES AROUND WORK AREAS

NOT TO SCALE

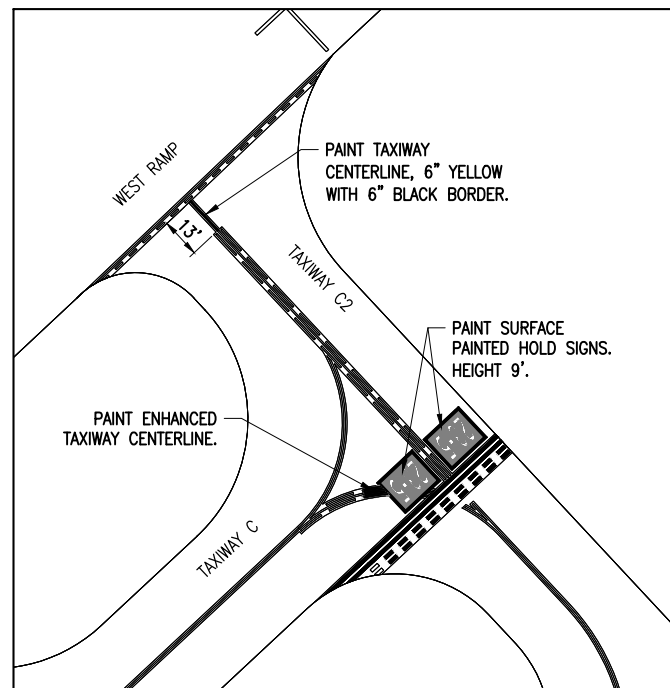
BARRICADE NOTES

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- BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT IN 4' INCREMENTS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR BEFORE SUNSET AND 1/2 HOUR AFTER SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING BARRICADES SHALL BE INCLUDED IN ITEM AR150520 MOBILIZATION.

INTERSECTION 1

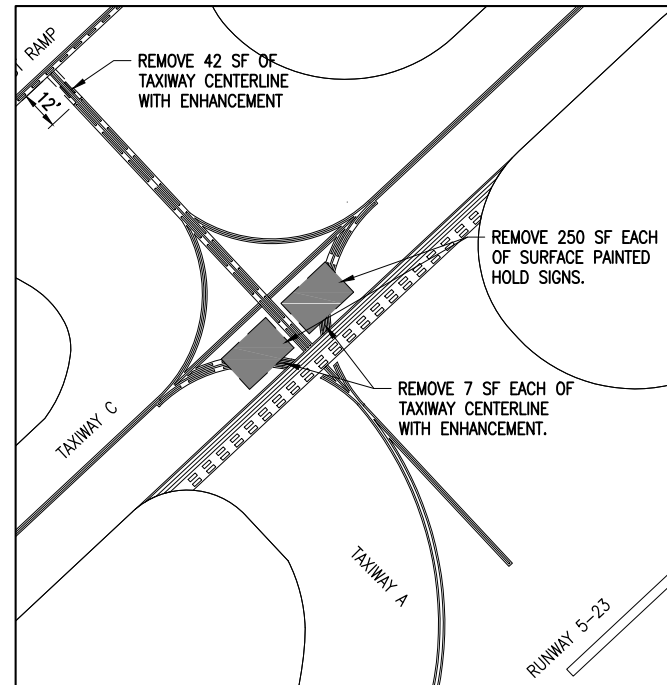


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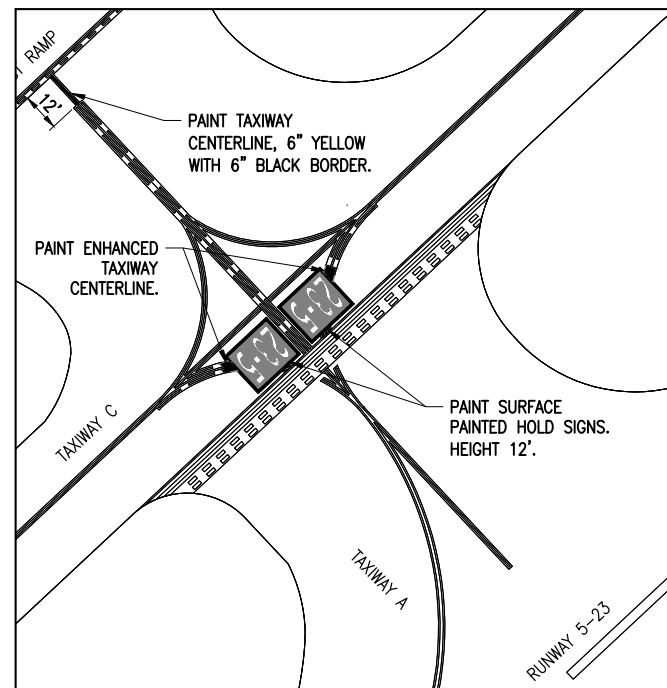


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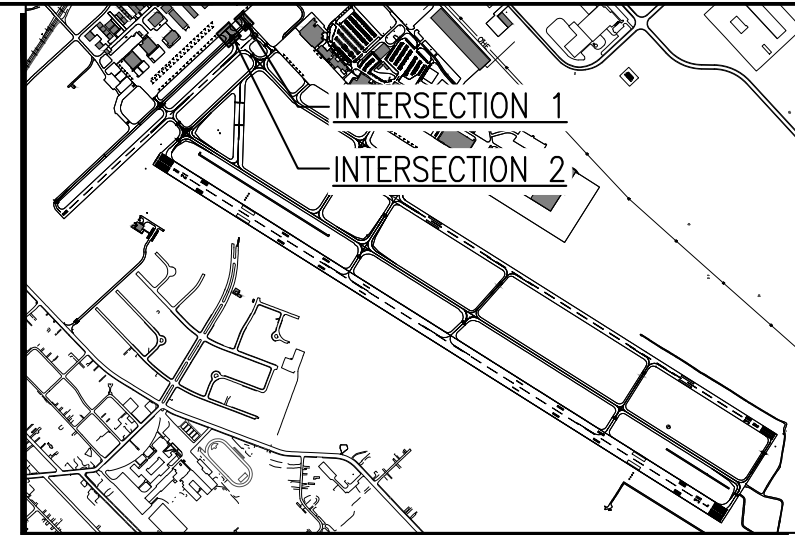
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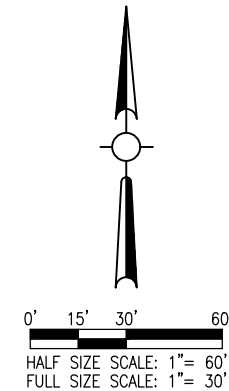
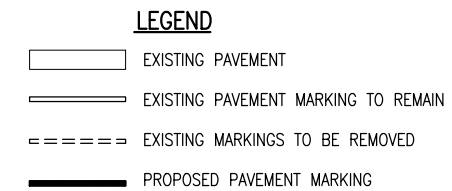
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PROPOSED LAYOUT



KEY MAP

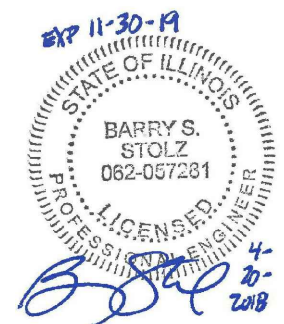


620-PAVEMENT MARKING REMOVAL NOTES

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AR620520 PAVEMENT MARKING-WATERBORNE ____ PER S.F.
AR620525 PAVEMENT MARKING-BLACK BORDER ____ PER S.F.



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
SBG Project No:
3-17-SBGP-120

Contract No. SD060

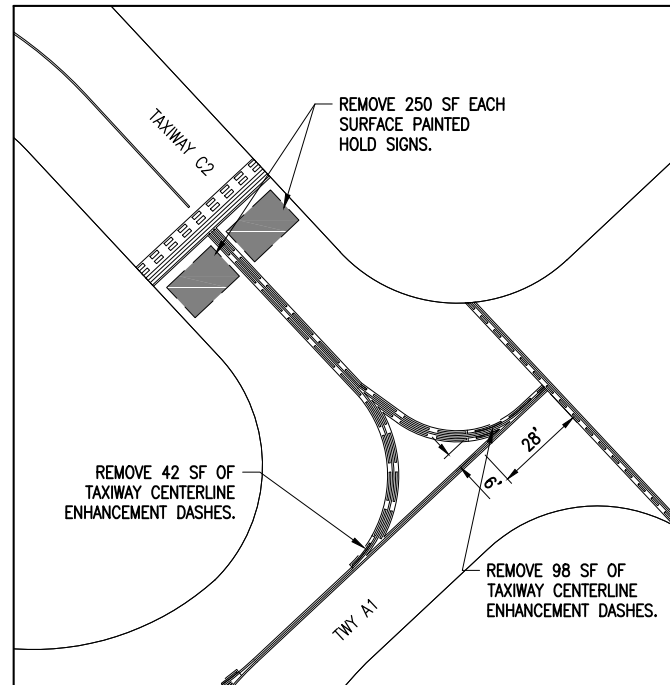
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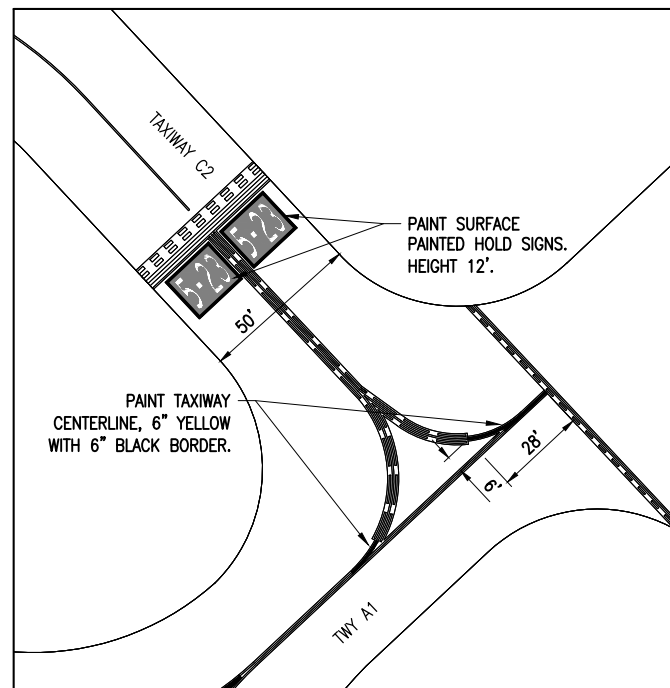
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PAVEMENT MARKING PLANS 1 - 2

INTERSECTION 3

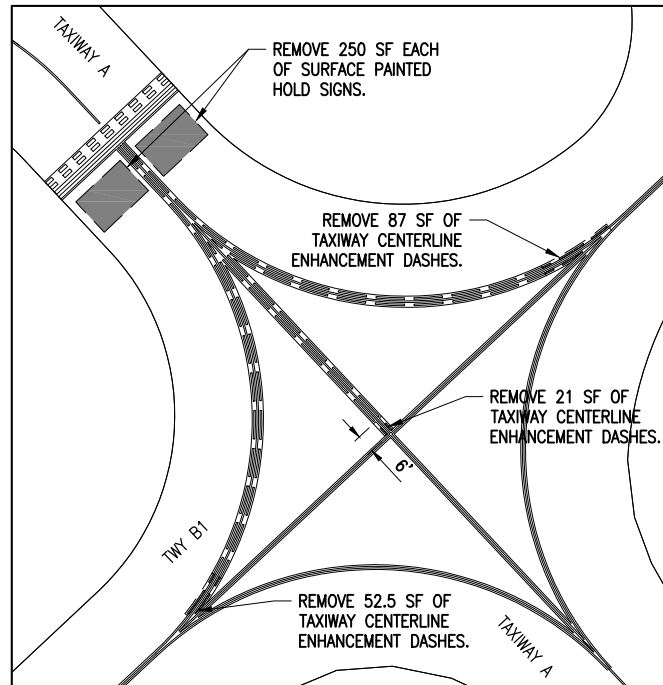


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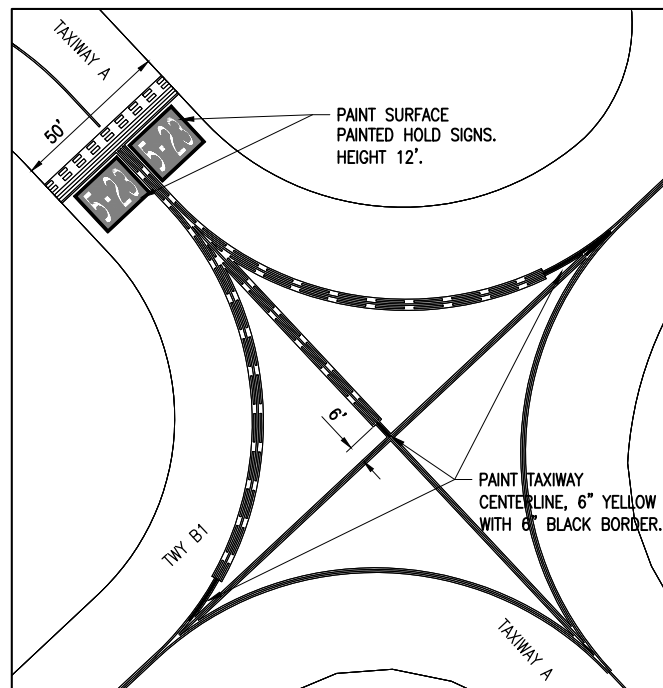


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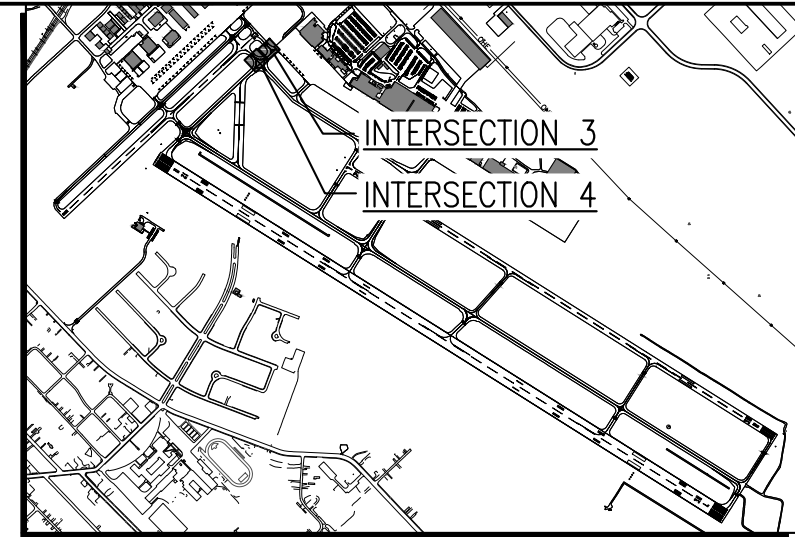
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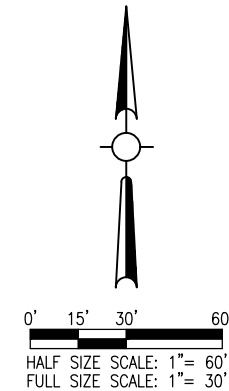
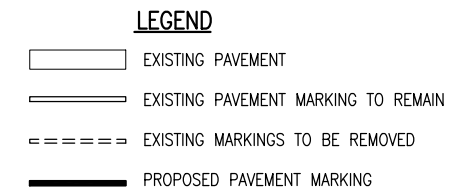
EXISTING LAYOUT



PROPOSED LAYOUT



KEY MAP



620-PAVEMENT MARKING REMOVAL NOTES

1. TAXIWAY CENTERLINE AND ENHANCEMENT MARKING REMOVAL SHALL INCLUDE YELLOW AND BLACK PAINT.
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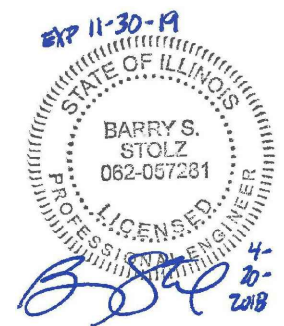
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Springfield, IL 62568
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fax: 217-788-2503

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ST. LOUIS
DOWNTOWN AIRPORT

Bi-State Development Agency
6100 Archview Drive
Cahokia, IL 62206-1445



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641

SBG Project No:
3-17-SBGP-120

Contract No. SD060

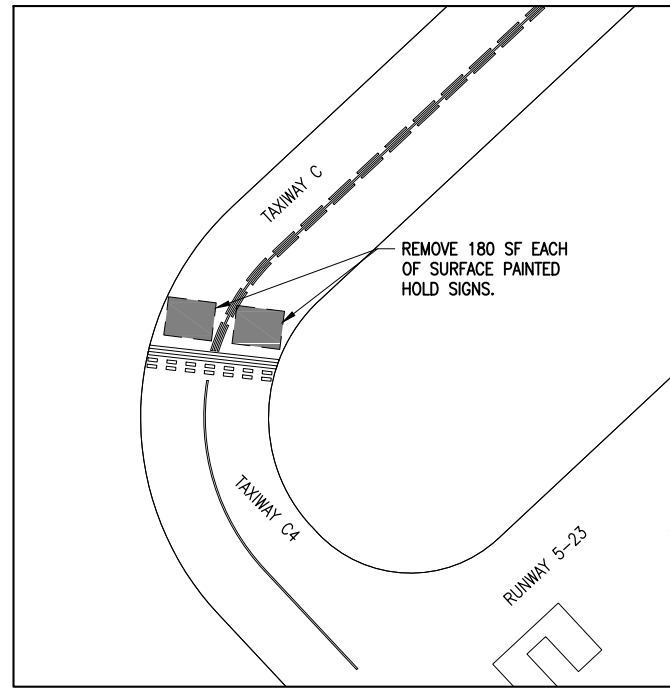
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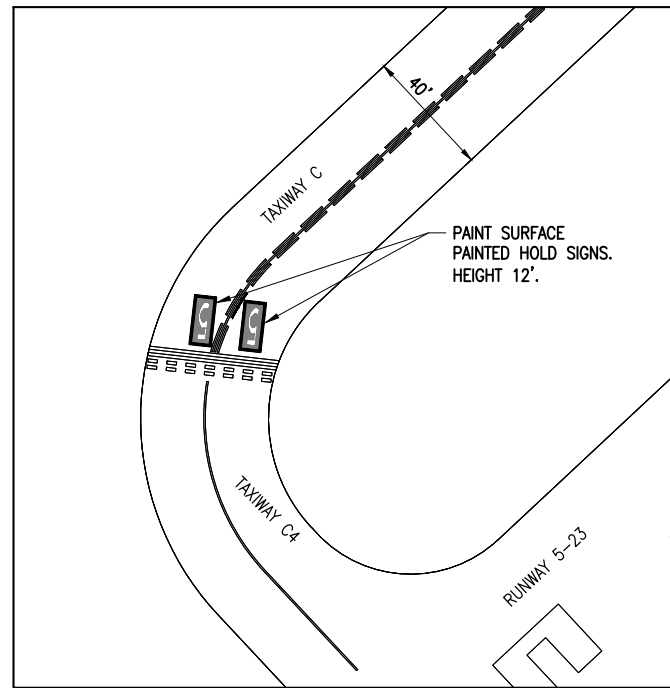
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PAVEMENT MARKING PLANS 3 - 4

INTERSECTION 5

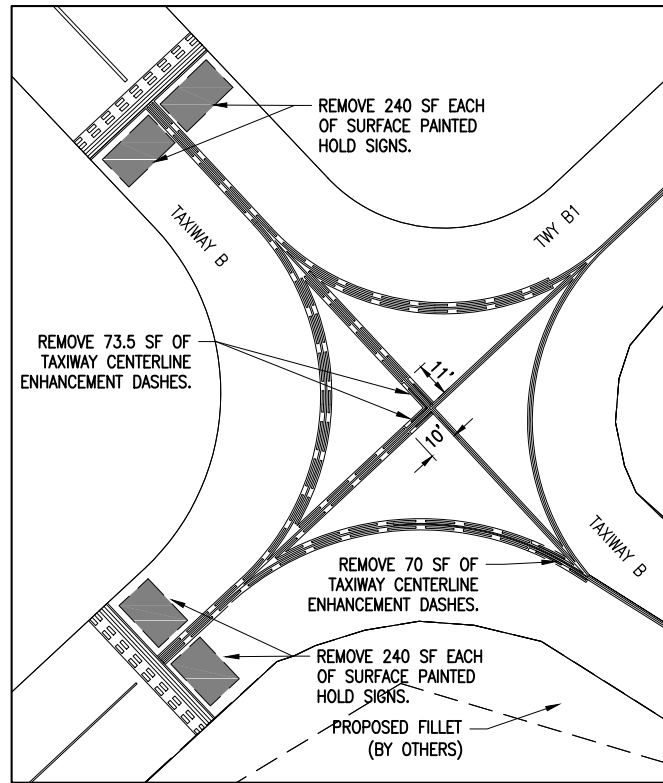


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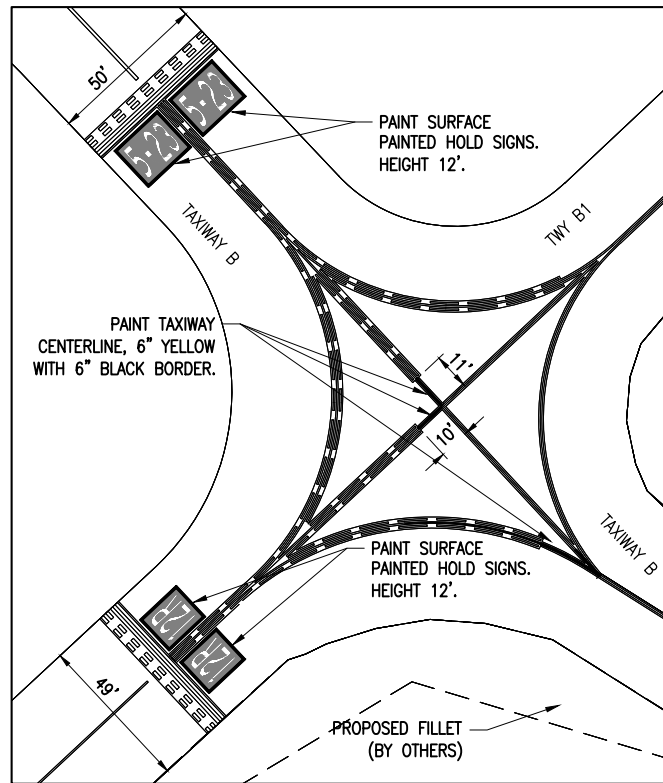


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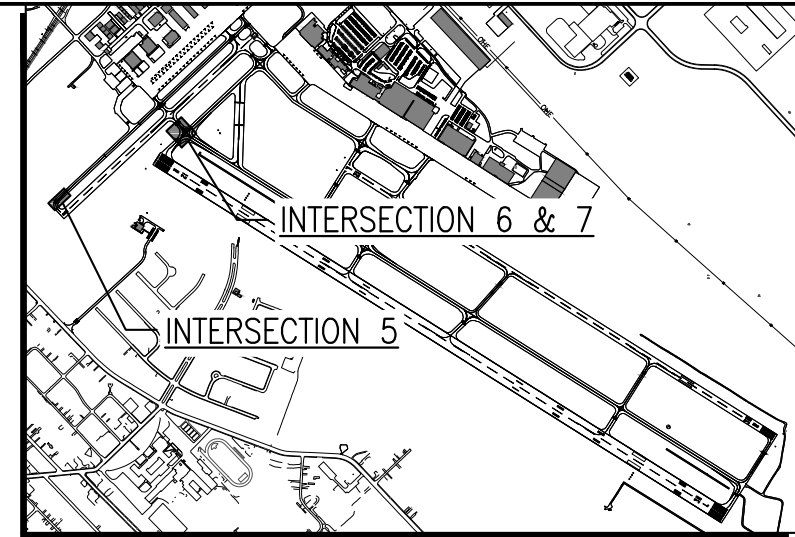
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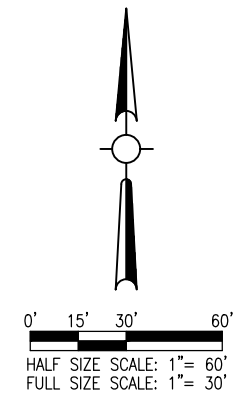


PROPOSED LAYOUT



KEY MAP

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING PAVEMENT MARKING TO REMAIN
 - EXISTING MARKINGS TO BE REMOVED
 - PROPOSED PAVEMENT MARKING

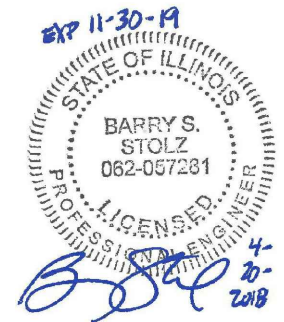


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UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
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3-17-SBGP-120
Contract No. SD060

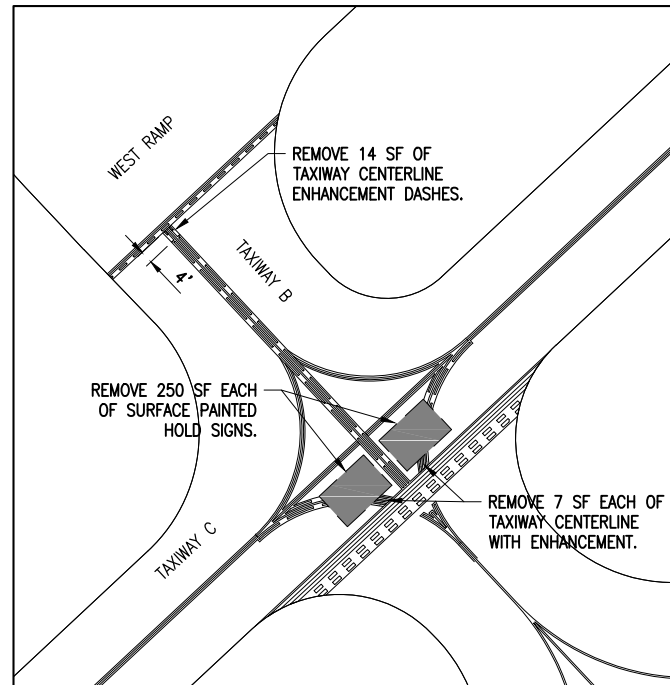
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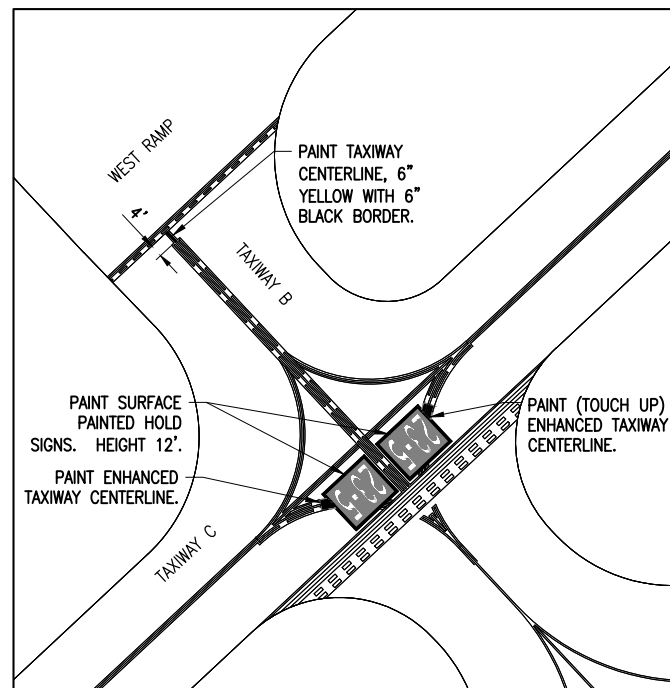
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PAVEMENT MARKING PLANS 5 - 6 - 7

INTERSECTION 8

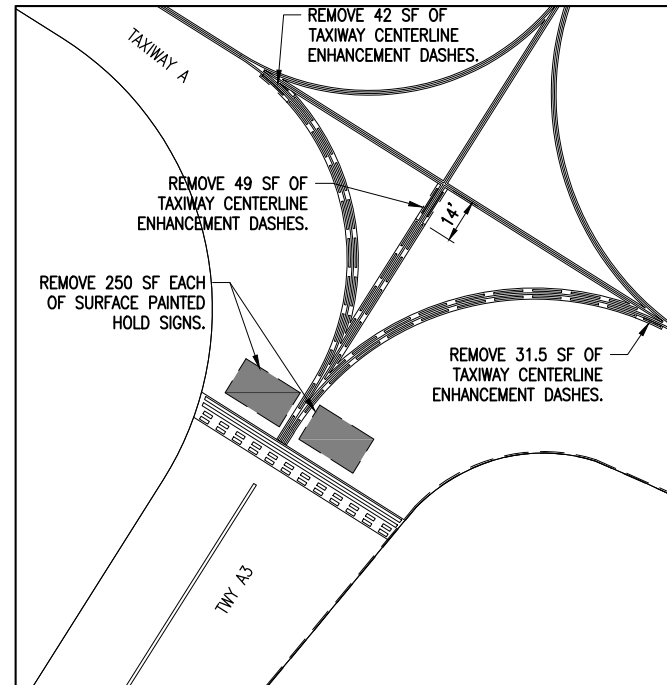


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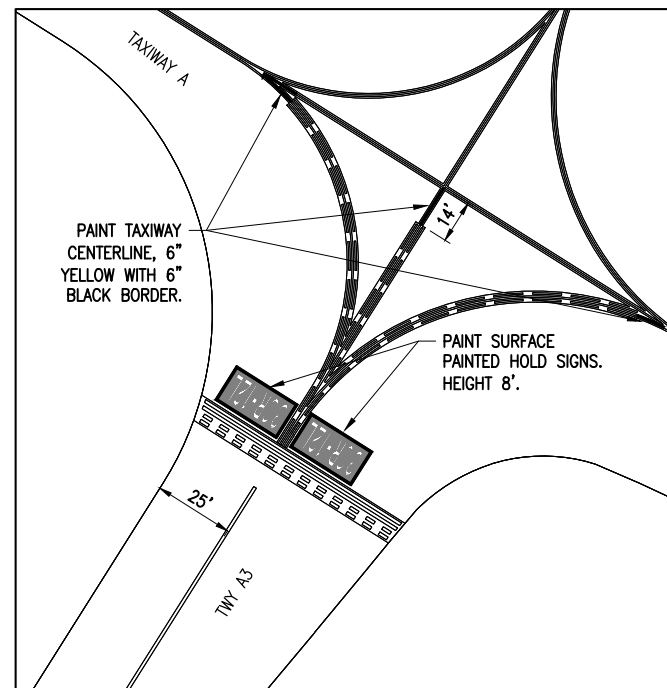


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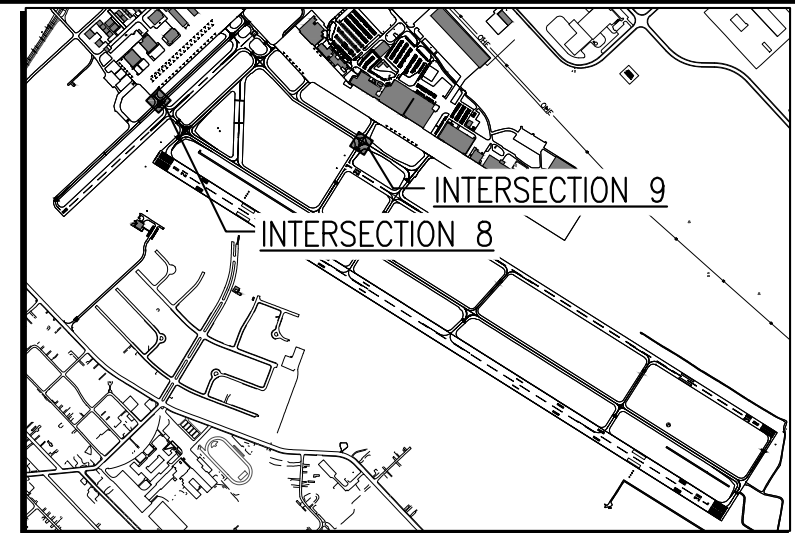
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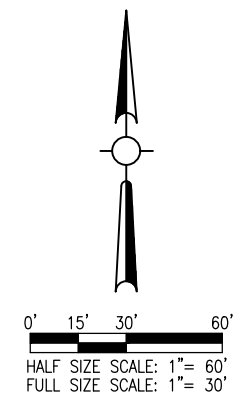
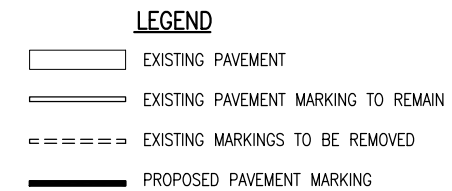
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PROPOSED LAYOUT



KEY MAP

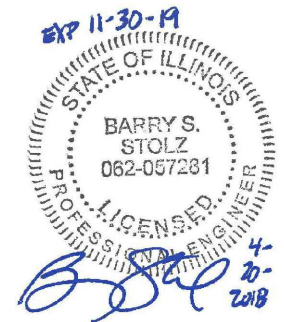


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UPDATE PAVEMENT MARKING CONFIGURATIONS

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SBG Project No:
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Contract No. SD060

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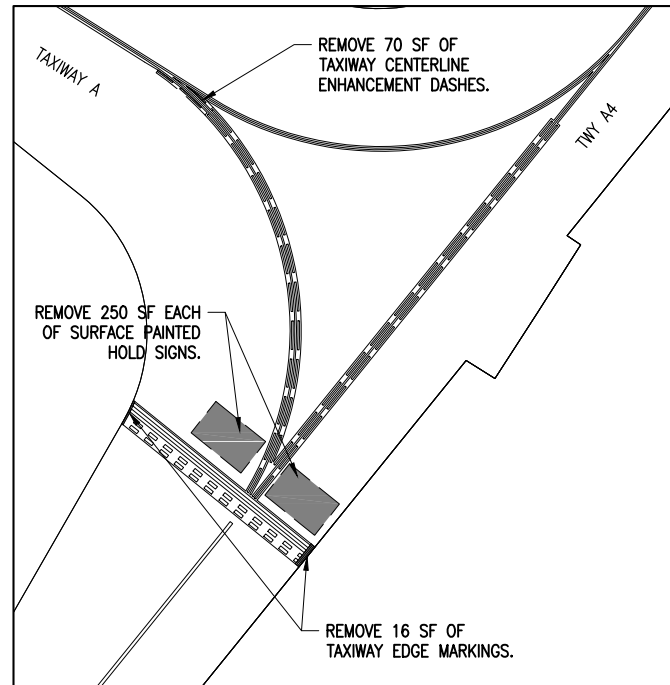
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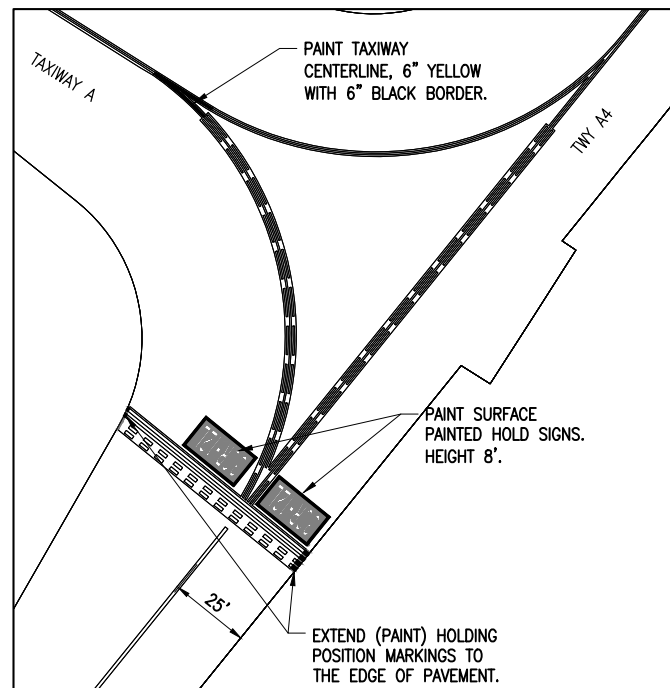
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PAVEMENT MARKING PLANS 8 - 9

INTERSECTION 10

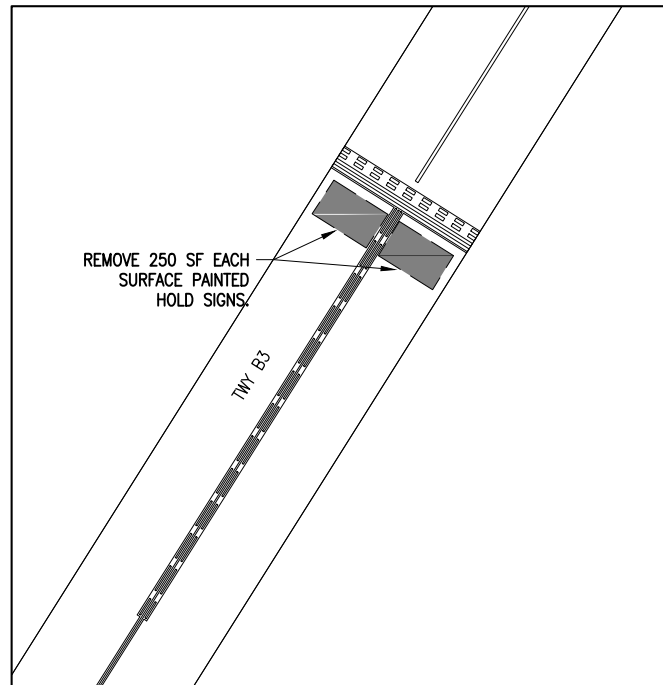


EXISTING LAYOUT

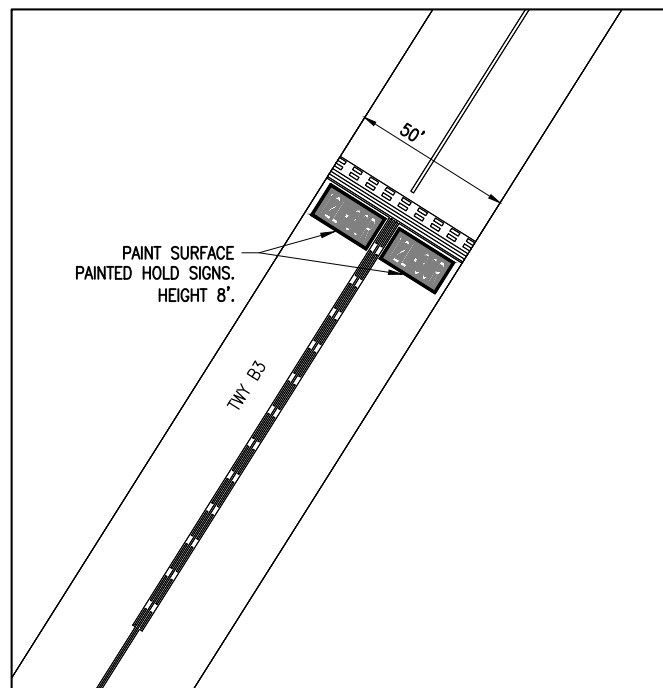


PROPOSED LAYOUT

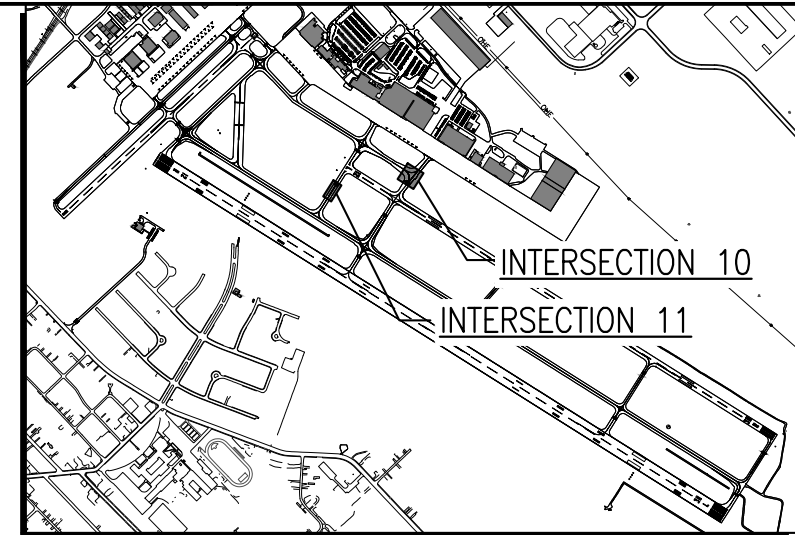
INTERSECTION 11



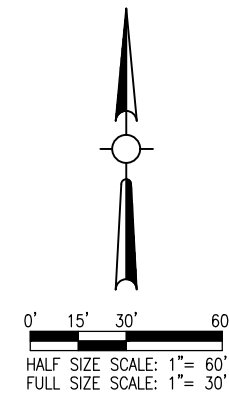
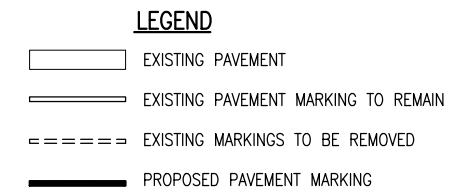
EXISTING LAYOUT



PROPOSED LAYOUT



KEY MAP

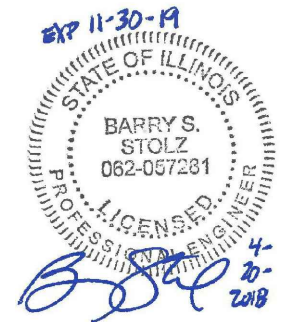


620-PAVEMENT MARKING REMOVAL NOTES

1. TAXIWAY CENTERLINE AND ENHANCEMENT MARKING REMOVAL SHALL INCLUDE YELLOW AND BLACK PAINT.
2. CONTRACTOR SHALL PREPARE SURFACE OF EXISTING MARKING TO BE REMARKED IN ACCORDANCE WITH SPECIFICATION ITEM 620 AND THE WATERBORNE MANUFACTURER'S RECOMMENDATIONS. COST OF PREPARING EXISTING SURFACE FOR NEW APPLICATIONS SHALL BE INCIDENTAL TO MARKING.

620-PAVEMENT MARKING-WATERBORNE NOTES

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6. THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 PAVEMENT MARKING-WATERBORNE ___ PER S.F.
AR620525 PAVEMENT MARKING-BLACK BORDER ___ PER S.F.



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
SBG Project No:
3-17-SBGP-120

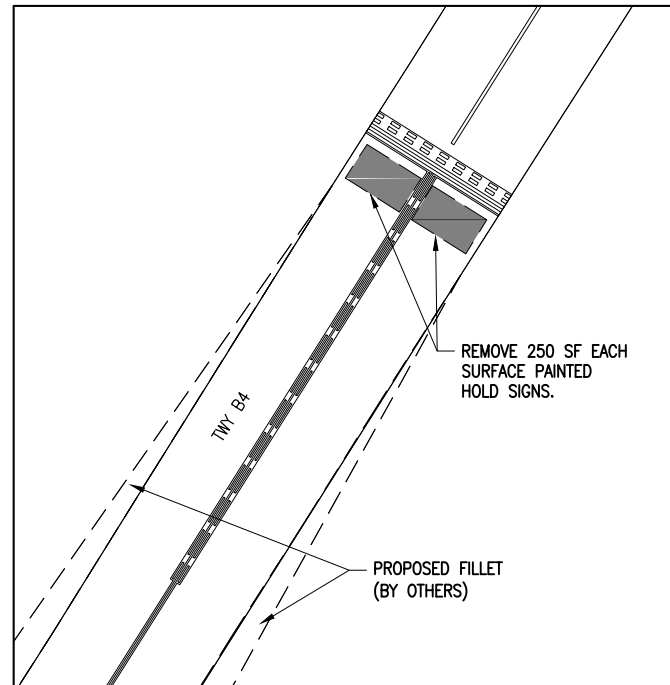
Contract No. SD060

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

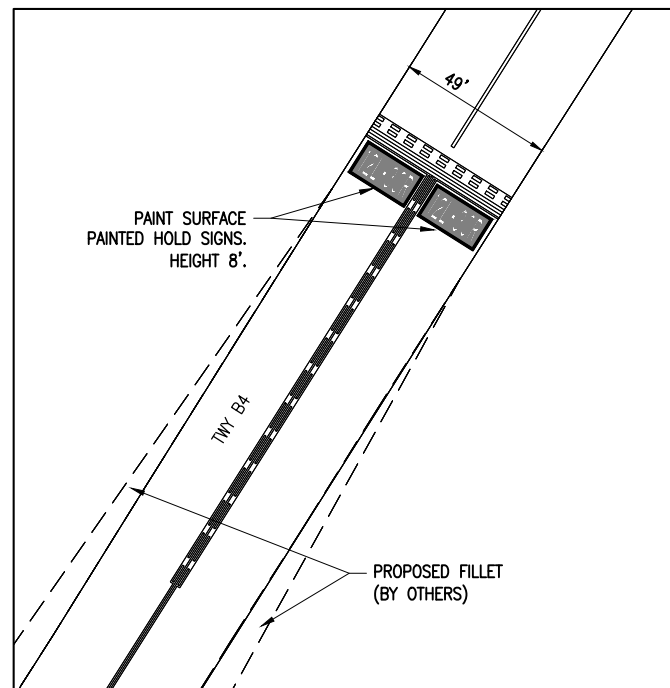
ISSUE: APRIL 20, 2018
PROJECT NO: 17A0069D
CAD FILE:
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REVIEWED BY: BSS 04/20/2018

PAVEMENT MARKING PLANS 10 - 11

INTERSECTION 12

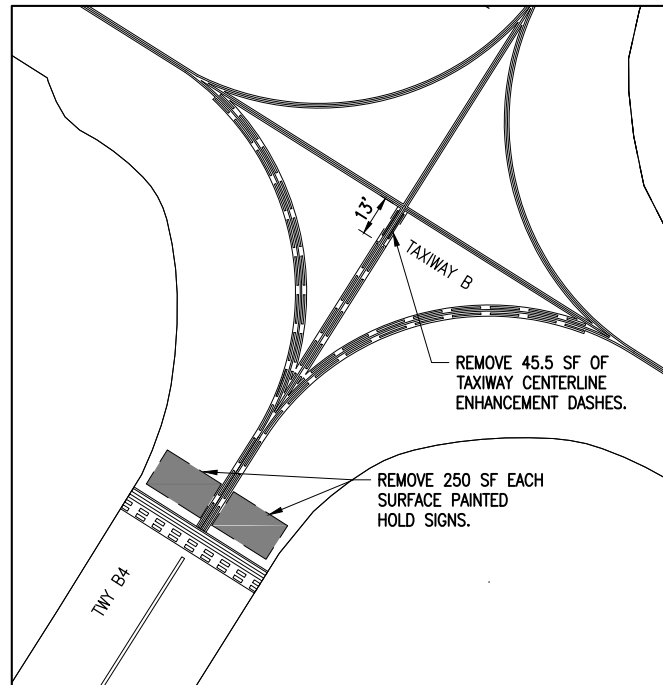


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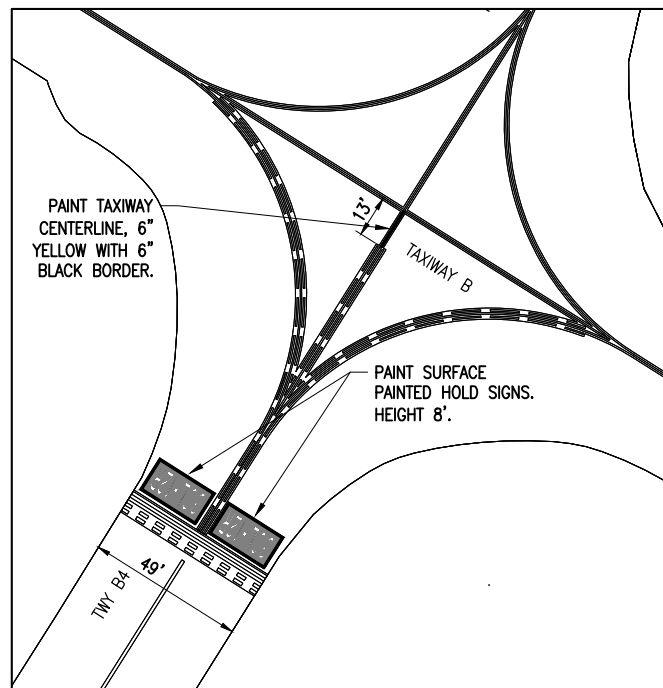


PROPOSED LAYOUT

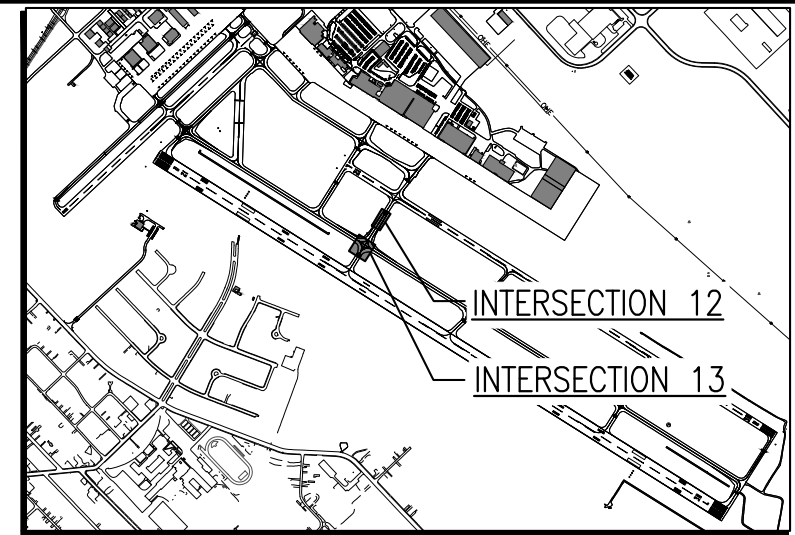
INTERSECTION 13



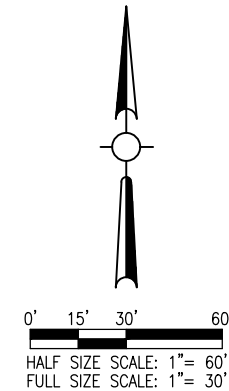
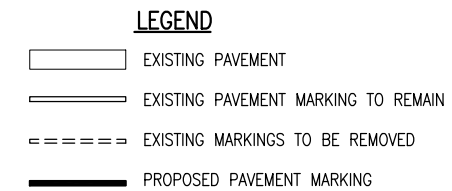
EXISTING LAYOUT



PROPOSED LAYOUT



KEY MAP

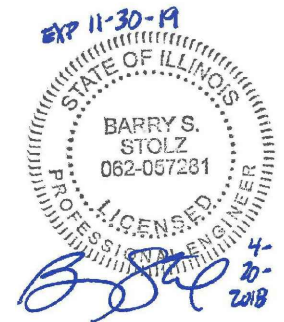


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AR620525 PAVEMENT MARKING-BLACK BORDER ____ PER S.F.



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641

SBG Project No:
3-17-SBGP-120

Contract No. SD060

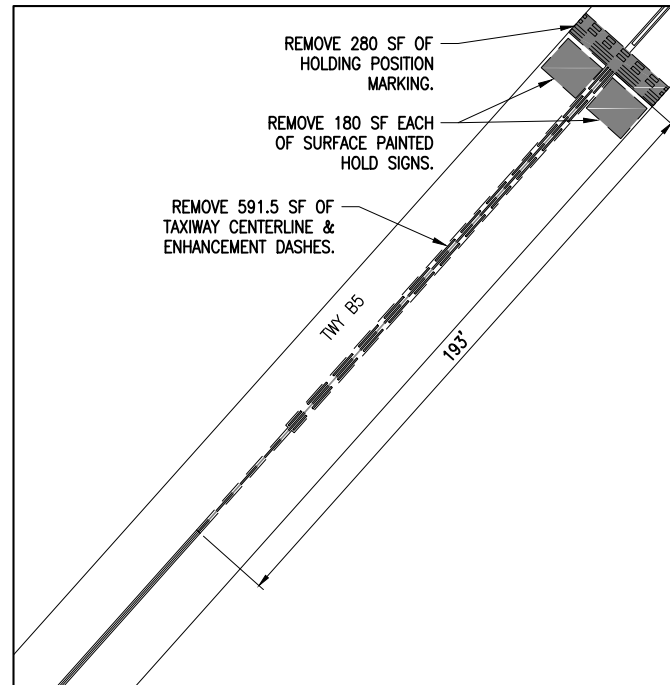
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ISSUE: APRIL 20, 2018
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SHEET TITLE

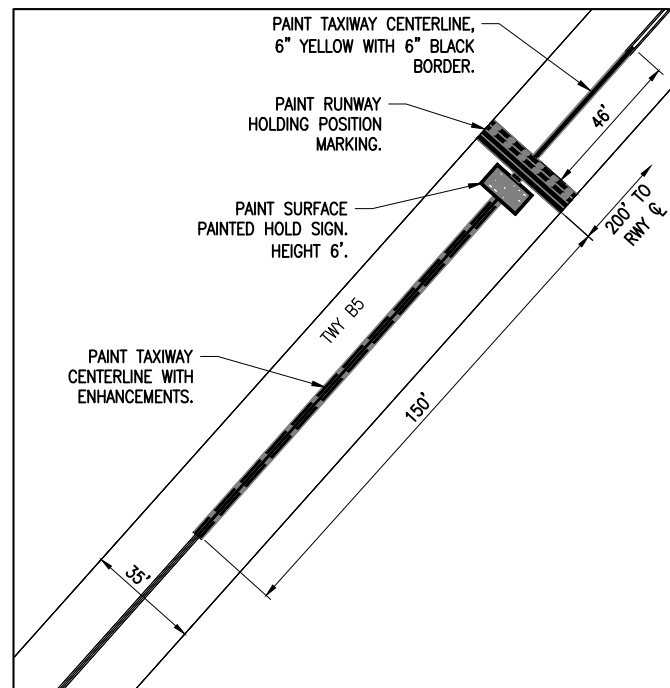
PAVEMENT MARKING PLANS 12 - 13

INTERSECTION 14



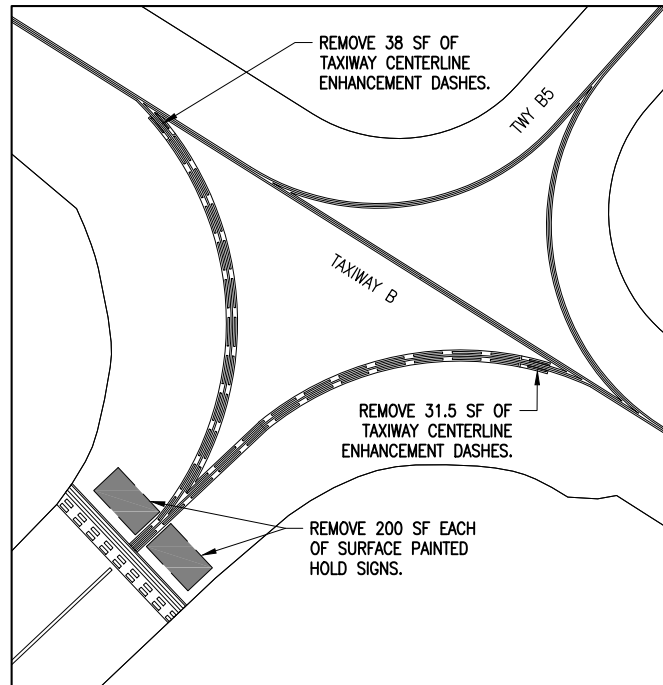
EXISTING LAYOUT

NOTE: RELOCATION OF HOLDING POSITION MARKINGS SHALL BE COORDINATED WITH CPS-4505 CONTRACTOR SO THEY MAY RELOCATE THE ASSOCIATED GUIDANCE SIGN AT THE SAME TIME.

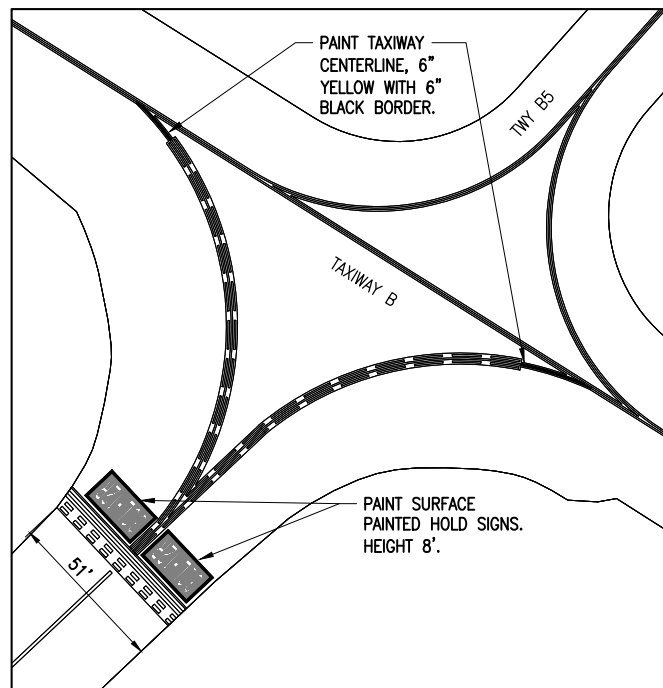


PROPOSED LAYOUT

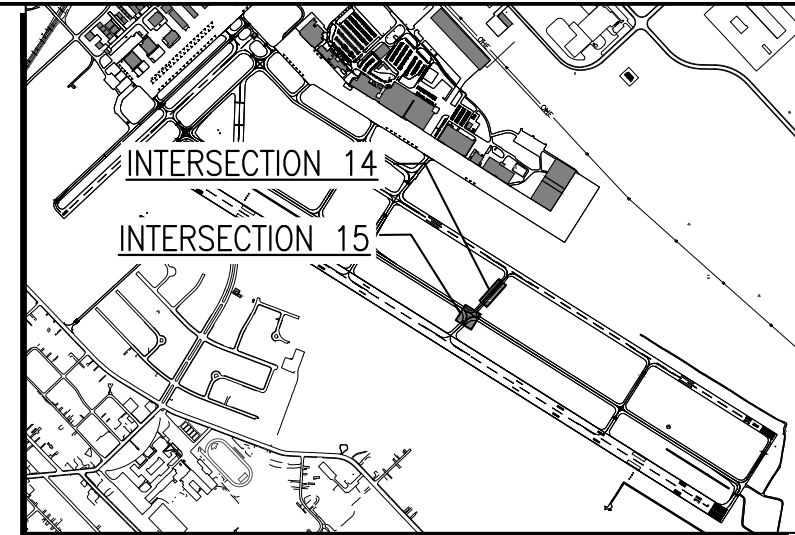
INTERSECTION 15



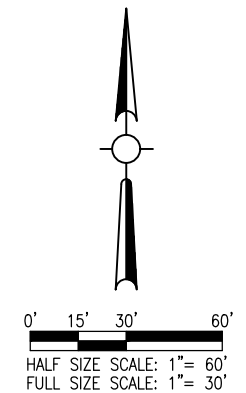
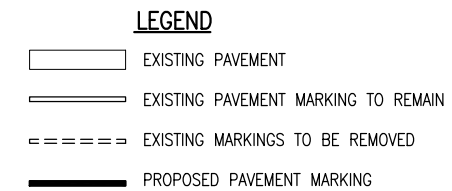
EXISTING LAYOUT



PROPOSED LAYOUT



KEY MAP



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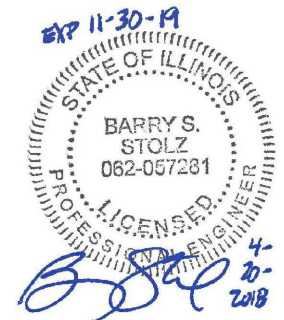
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 phone: 217-788-2450
 fax: 217-788-2503

Illinois Licensed
 Professional Service Corporation
 #184-001084



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
 SBG Project No:
 3-17-SBGP-120

Contract No. SD060

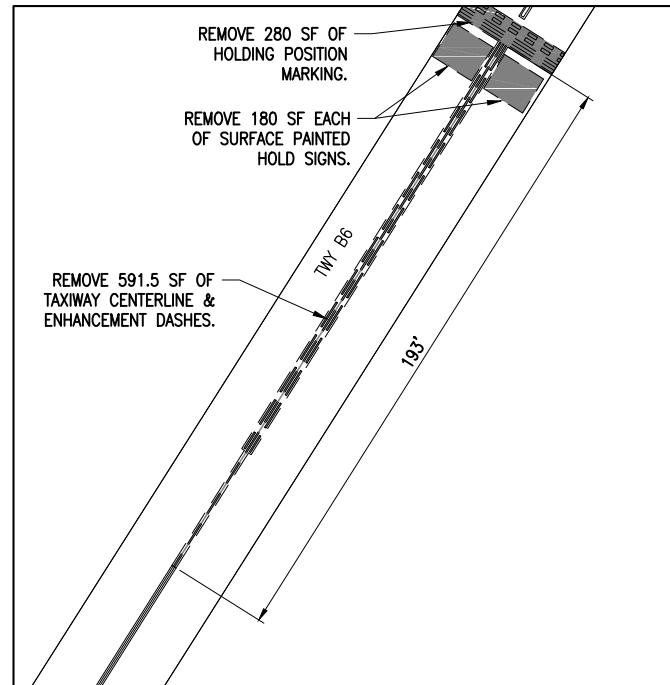
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SHEET TITLE

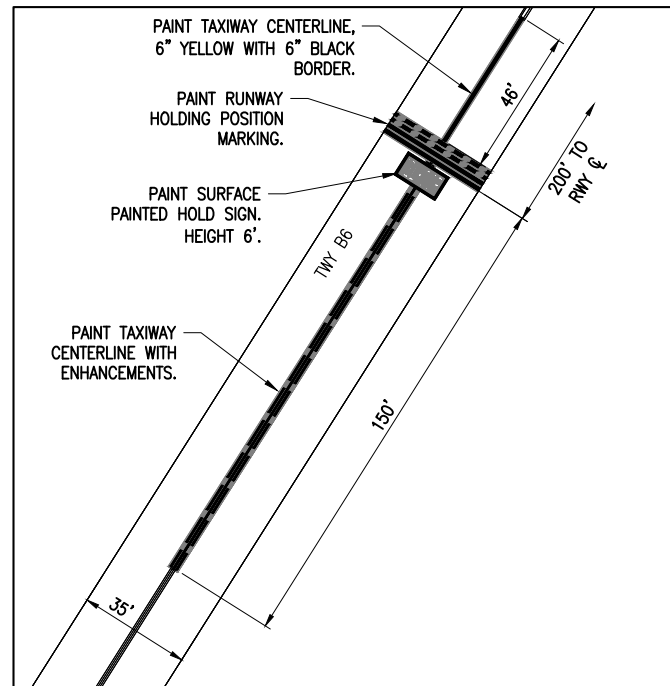
PAVEMENT MARKING PLANS 14 - 15

INTERSECTION 16



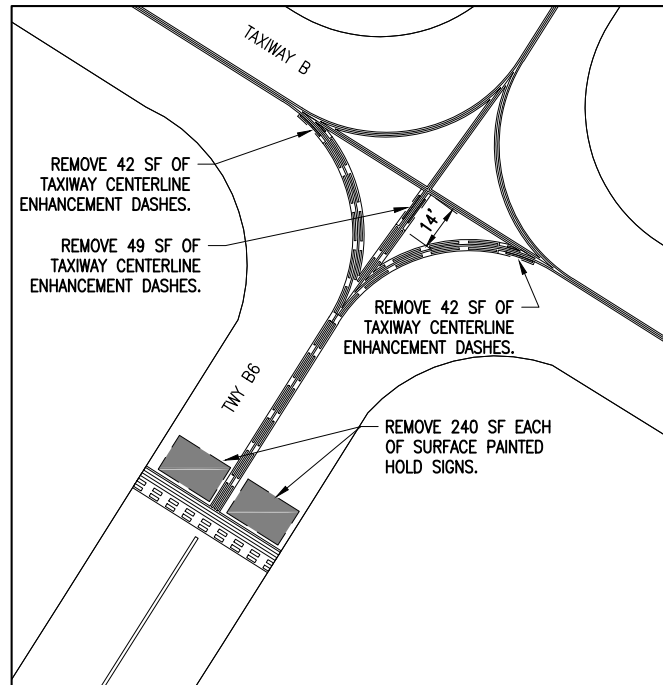
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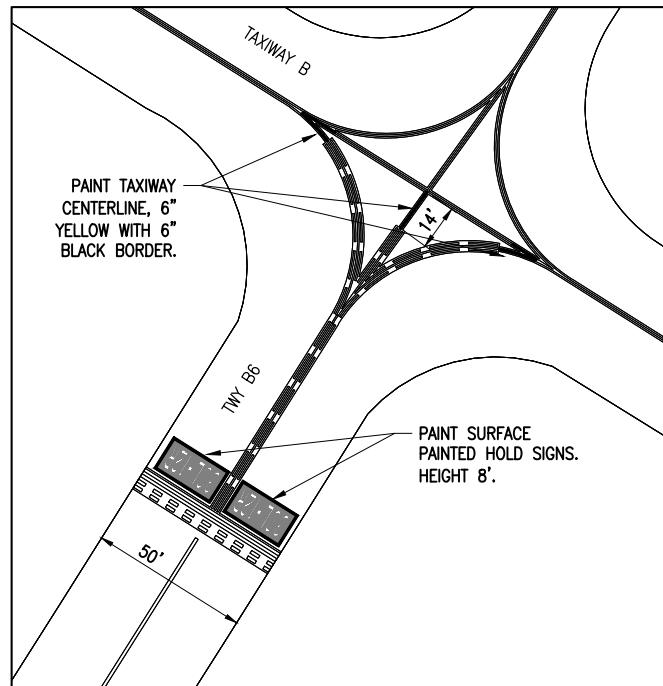


PROPOSED LAYOUT

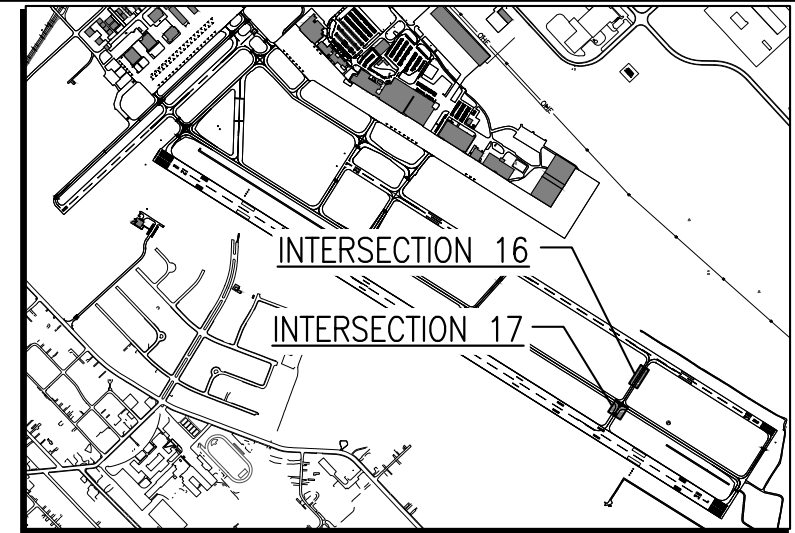
INTERSECTION 17



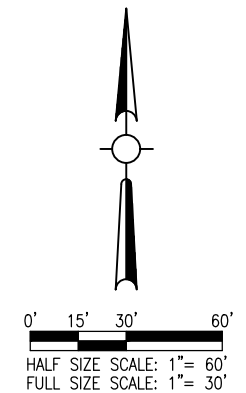
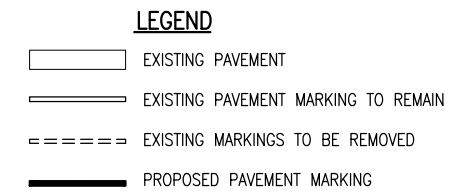
EXISTING LAYOUT



PROPOSED LAYOUT



KEY MAP

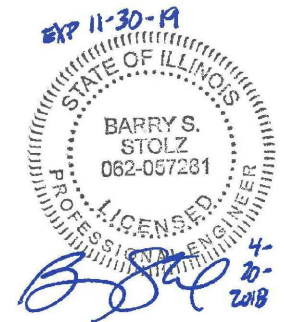


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UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
 SBG Project No:
 3-17-SBGP-120

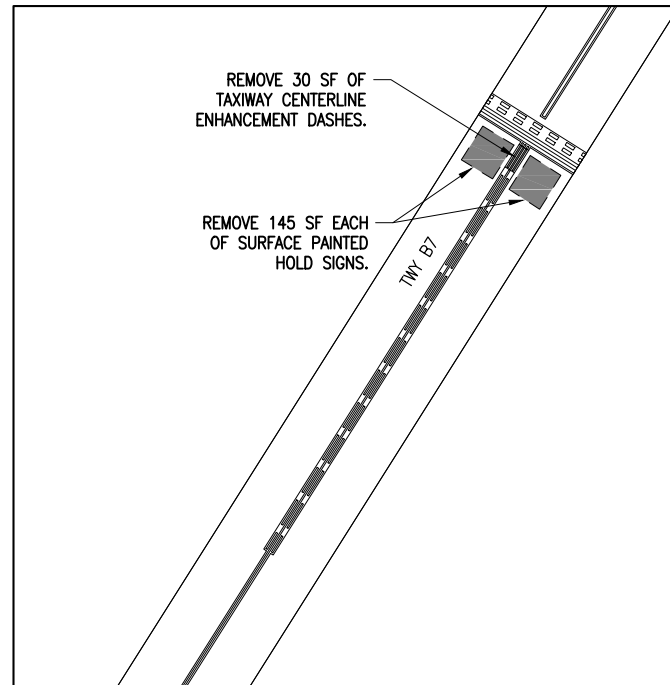
Contract No. SD060

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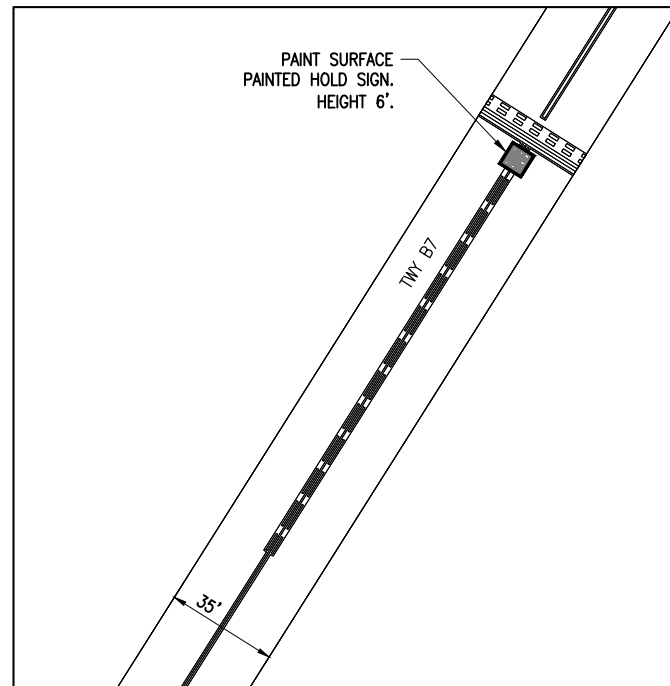
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PAVEMENT MARKING PLANS 16 - 17

INTERSECTION 18

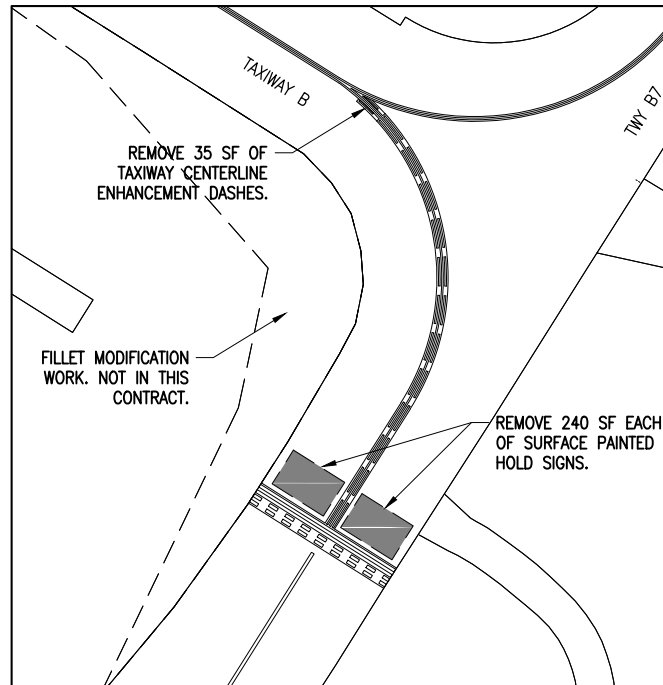


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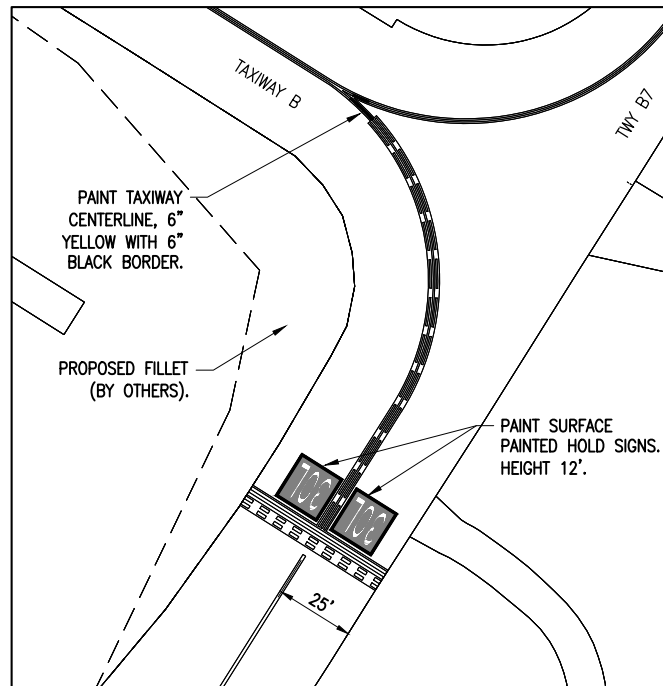


PROPOSED LAYOUT

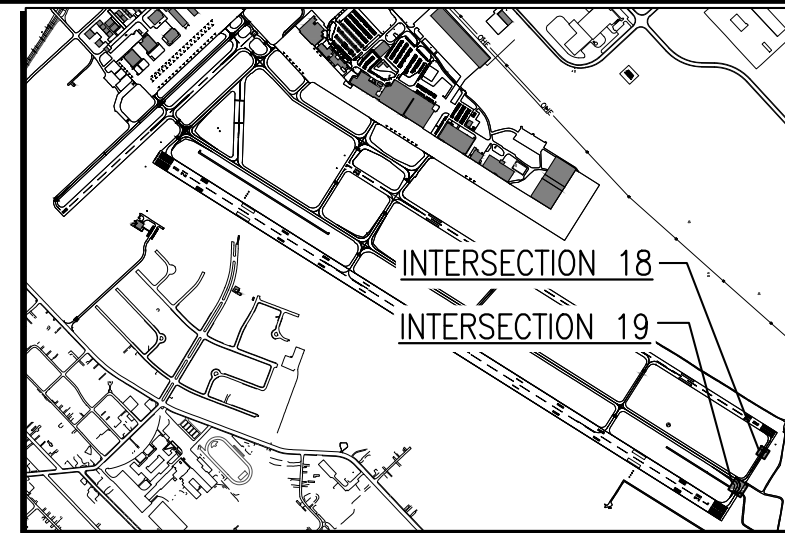
INTERSECTION 19



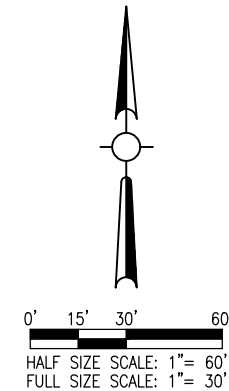
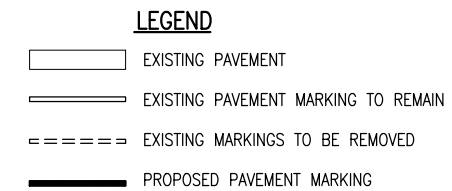
EXISTING LAYOUT



PROPOSED LAYOUT



KEY MAP

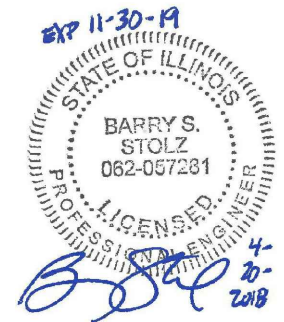


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UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
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3-17-SBGP-120

Contract No. SD060

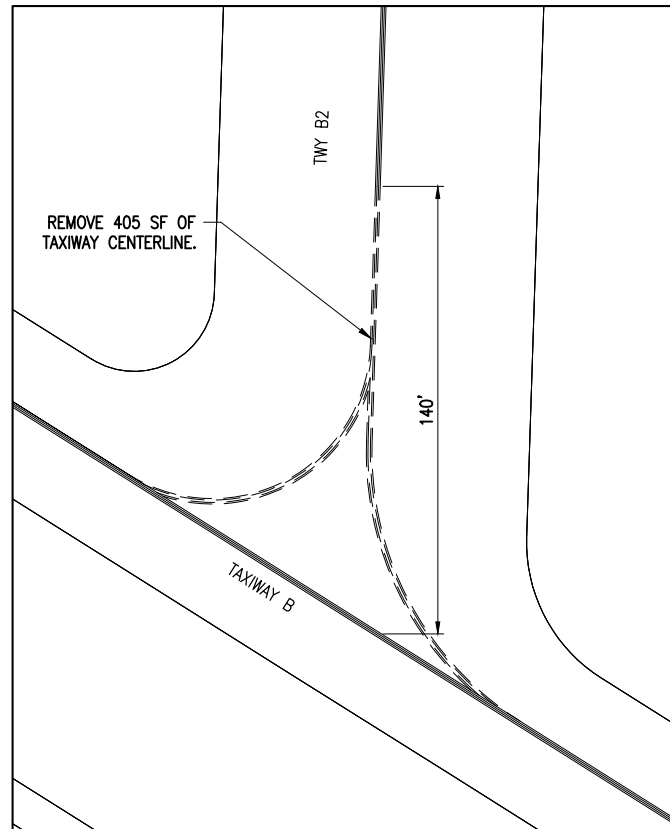
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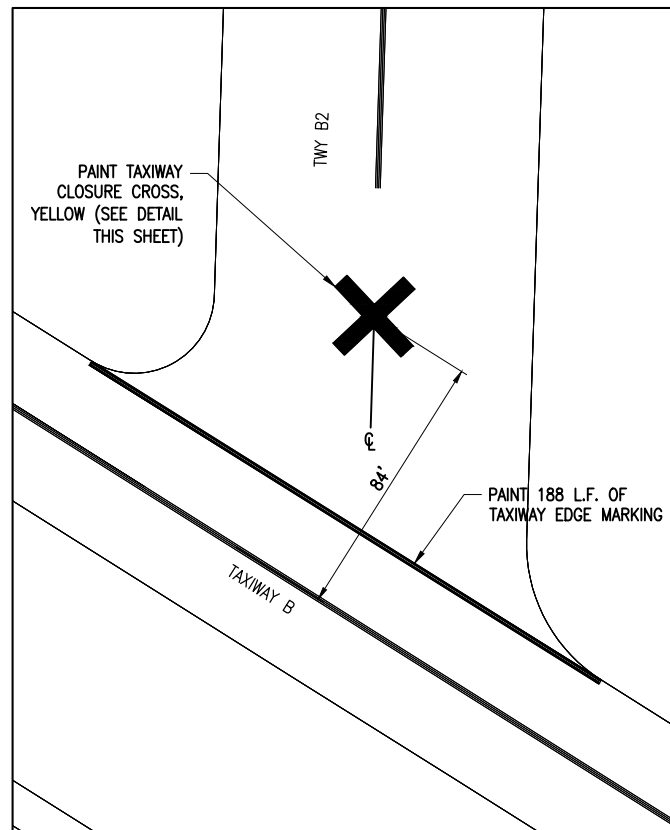
SHEET TITLE

PAVEMENT MARKING PLANS 18 - 19

INTERSECTION 20

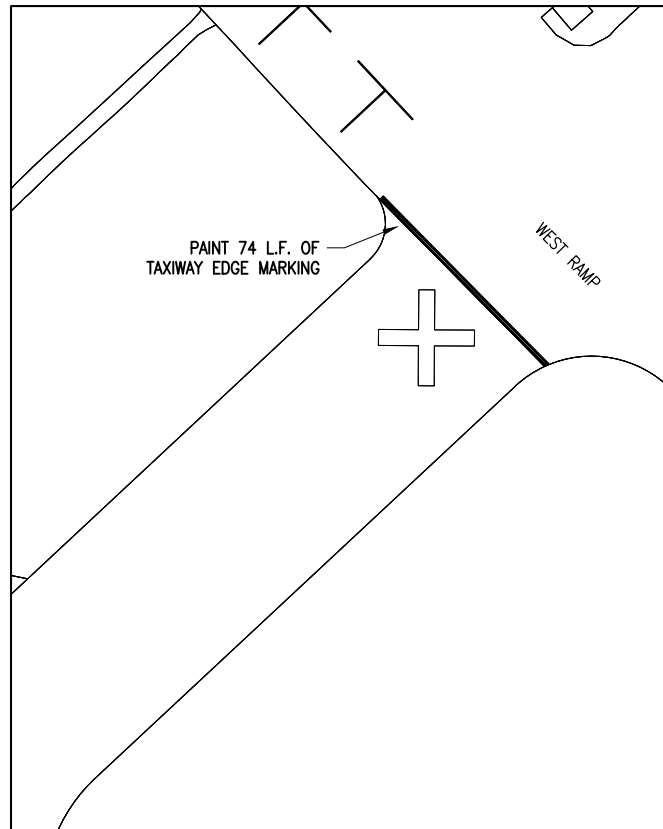


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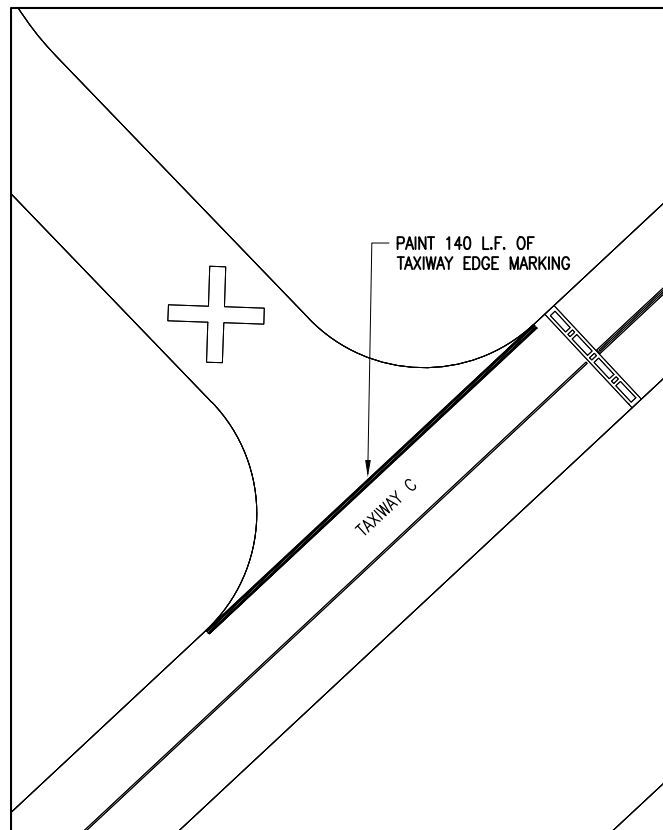


PROPOSED LAYOUT

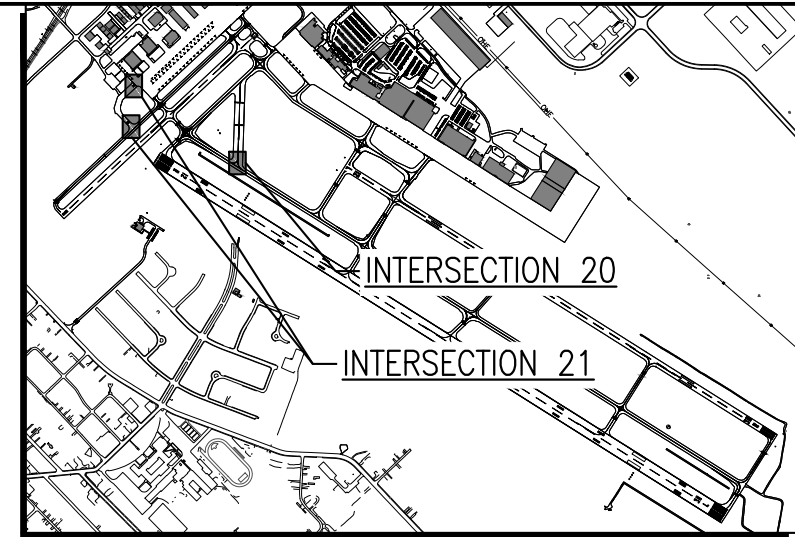
INTERSECTION 21



PROPOSED LAYOUT - NORTH END

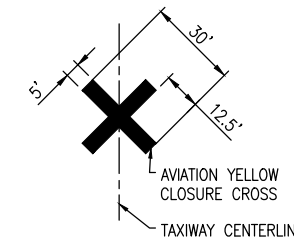


PROPOSED LAYOUT - SOUTH END



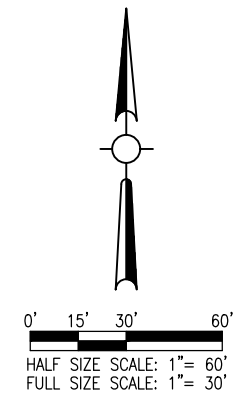
KEY MAP

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING PAVEMENT MARKING TO REMAIN
 - EXISTING MARKINGS TO BE REMOVED
 - PROPOSED PAVEMENT MARKING



TAXIWAY CLOSURE CROSS DETAIL

NOT TO SCALE



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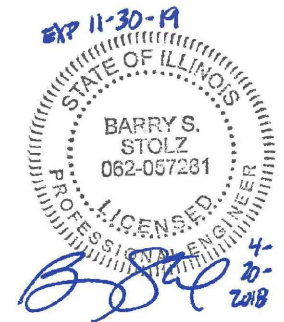
1. THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 272 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.
2. THIS ITEM SHALL CONSIST OF RUNWAY HOLDING POSITION MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE YELLOW AND BLACK IN COLOR. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.
3. ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.
4. IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT YELLOW PAINT OVER THE BLACK PAINT, ONLY THE VISIBLE BLACK PER THE DETAIL WILL BE ELIGIBLE FOR PAYMENT.
5. CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.
6. THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 PAVEMENT MARKING-WATERBORNE ___ PER S.F.
AR620525 PAVEMENT MARKING-BLACK BORDER ___ PER S.F.



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Professional Service Corporation
#184-001084



UPDATE PAVEMENT MARKING CONFIGURATIONS

IDA No: CPS-4641
SBG Project No:
3-17-SBGP-120

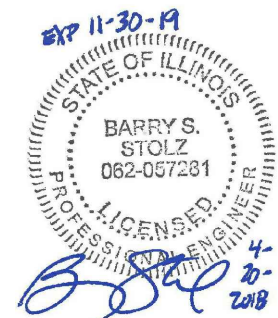
Contract No. SD060

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 20, 2018
PROJECT NO: 17A0069D
CAD FILE:
DESIGN BY: CWS 01/08/2018
DRAWN BY: CWS 01/08/2018
REVIEWED BY: BSS 04/20/2018

SHEET TITLE

PAVEMENT MARKING PLANS 20 - 21



**UPDATE PAVEMENT
MARKING
CONFIGURATIONS**

IDA No: CPS-4641

SBG Project No:
3-17-SBGP-120

Contract No. SD060

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 20, 2018

PROJECT NO: 17A0069D

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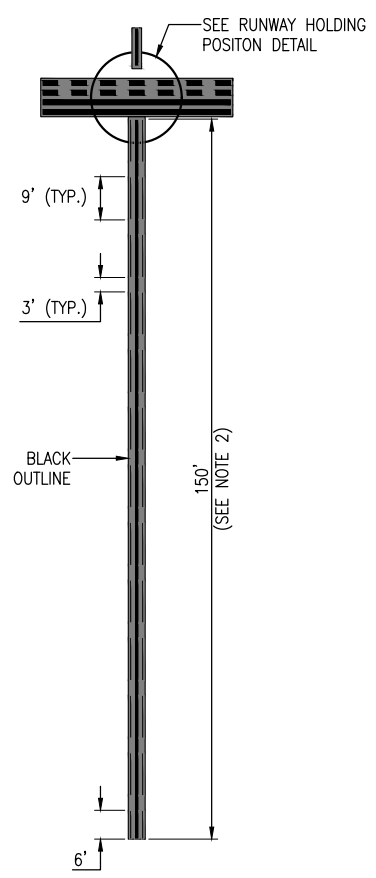
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DRAWN BY: CWS 01/25/2018

REVIEWED BY: BSS 04/20/2018

SHEET TITLE

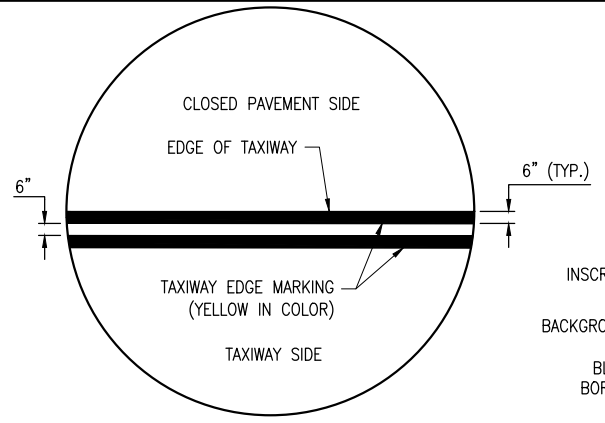
**PAVEMENT MARKING
DETAILS**



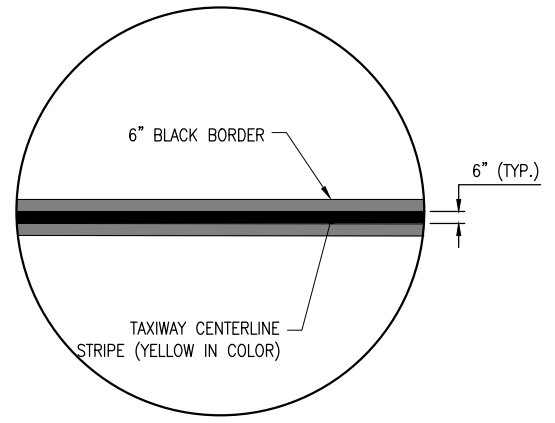
ENHANCED TAXIWAY CENTERLINE MARKING DETAIL
NOT TO SCALE

ENHANCED TAXIWAY CENTERLINE MARKING NOTES:

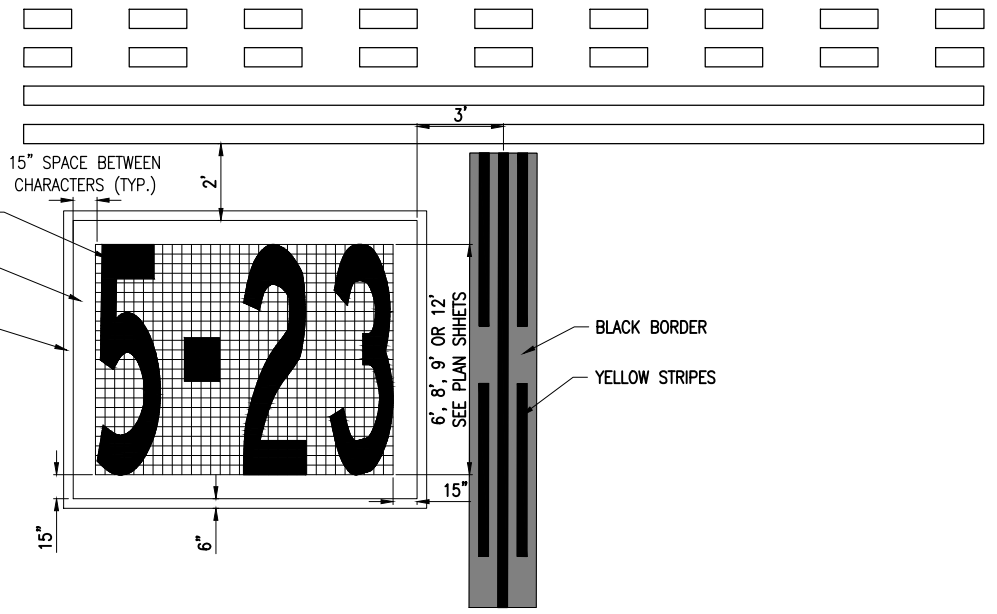
1. TAXIWAY CENTERLINE MARKINGS SHALL BE YELLOW IN COLOR AND OUTLINED IN BLACK.
2. TAXIWAY CENTERLINE MARKINGS SHALL BE ENHANCED FOR 150-FT PRIOR TO A RUNWAY HOLDING POSITION MARKING, UNLESS NOTED OTHERWISE. FOR A CURVED TAXIWAY CENTERLINE, THIS DISTANCE SHALL BE MEASURED ALONG THE CENTERLINE BEING ENHANCED TO A DISTANCE OF 150-FT.
3. WHERE TWO TAXIWAY CENTERLINES CONVERGE AT OR BEFORE THE RUNWAY HOLDING POSITION MARKING, PARTIAL INNER DASHED LINES LESS THAN 5 FEET AT THE POINT OF CONVERGENCE MAY BE OMITTED.
4. DASHES ON EITHER SIDE OF THE TAXIWAY CENTERLINE MUST BE ALIGNED, STARTING AND STOPPING WITH THE DASHES ON THE OPPOSITE SIDE OF THE CENTERLINE. TO ACCOMPLISH THIS FOR CURVED TAXIWAY CENTERLINES, THE MEASUREMENTS FOR THE DASHES AND GAPS SHALL BE MADE AT THE CENTERLINE AND EXTENDED PERPENDICULAR FROM THE CENTERLINE TO OBTAIN THE LOCATIONS OF THE DASHES.
5. ENHANCED TAXIWAY CENTERLINE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF FAA AC 150/5340-1, STANDARDS FOR AIRPORT MARKING.
6. IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT EITHER YELLOW OR WHITE PAINT OVER THE BLACK PAINT; ONLY THE VISIBLE BLACK PAINT WILL BE ELIGIBLE FOR PAYMENT.



TAXIWAY EDGE MARKING DETAIL
NOT TO SCALE



TAXIWAY CENTERLINE DETAIL
NOT TO SCALE

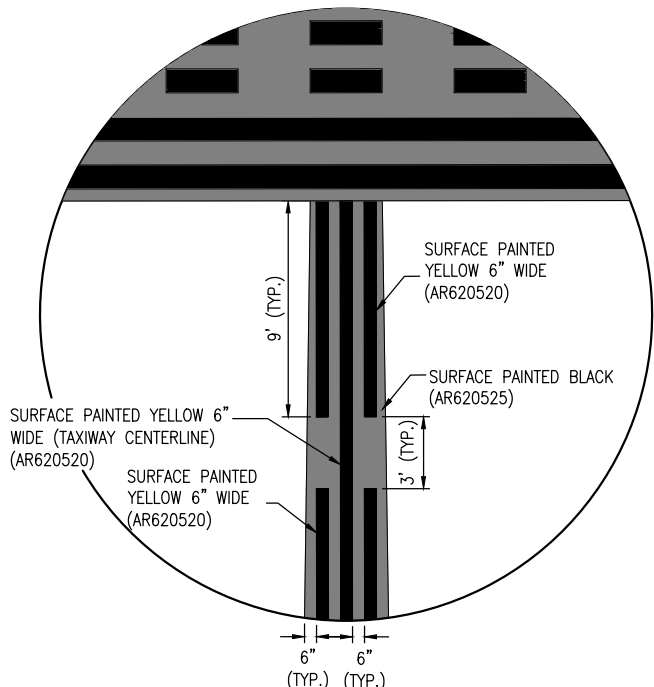


TYPICAL SURFACE PAINTED HOLDING POSITION SIGN DETAIL
SCALE: 1" = 5'

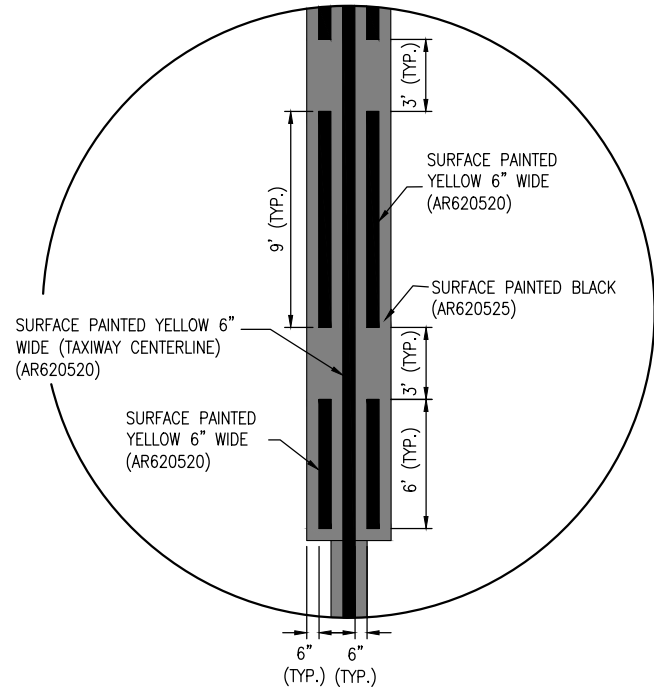
NOTE: GRID SHOWN FOR PROPER SIZING OF INSCRIPTIONS - NOT TO BE PAINTED. GRID SPACING IS 0.5 FEET.

SURFACE PAINTED HOLDING POSITION SIGN NOTES:

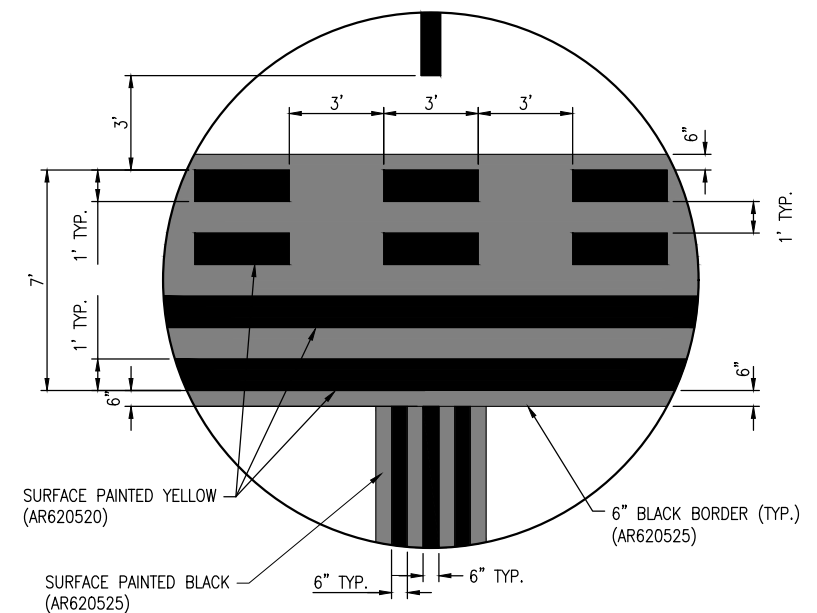
1. SURFACE PAINTED HOLDING POSITION SIGNS SHALL BE PAINTED AT THE LOCATIONS SHOWN ON THE PAVEMENT MARKING PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THAT THE SURFACE PAINTED HOLDING POSITION SIGNS MEET THE STANDARD DIMENSIONS SHOWN. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY VARIATION FROM THE DIMENSIONS AND LOCATIONS SHOWN.
2. THE STENCILS FOR THE SURFACE PAINTED HOLDING POSITION SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SET OF STENCILS TO THE AIRPORT THAT MATCH THE SIGN DIMENSIONS PAINTED AT THIS AIRPORT.
3. THE SURFACE PAINTED HOLDING POSITION SIGNS SHALL BE ORIENTED PARALLEL TO THE RUNWAY HOLDING POSITION MARKING.
4. SURFACE PAINTED HOLDING POSITIONS SIGNS SHALL BE LOCATED BASED ON DIMENSIONS FROM THE TAXIWAY CENTERLINE AND RUNWAY HOLDING POSITION MARKING. IF THE TAXIWAY CENTERLINE AND THE RUNWAY HOLDING POSITION MARKING ARE NOT PERPENDICULAR TO EACH OTHER, THE DIMENSION FROM THE CENTERLINE SHALL BE MEASURED TO THE NEAREST POINT ON THE SURFACE PAINTED SIGN.



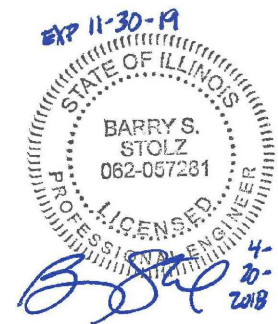
ENHANCED TAXIWAY MARKING DETAIL (BEGIN)
NOT TO SCALE



ENHANCED TAXIWAY MARKING DETAIL (END)
NOT TO SCALE



HOLDING POSITION DETAIL
NOT TO SCALE



UPDATE PAVEMENT
MARKING
CONFIGURATIONS

IDA No: CPS-4641

SBG Project No:
3-17-SBGP-120

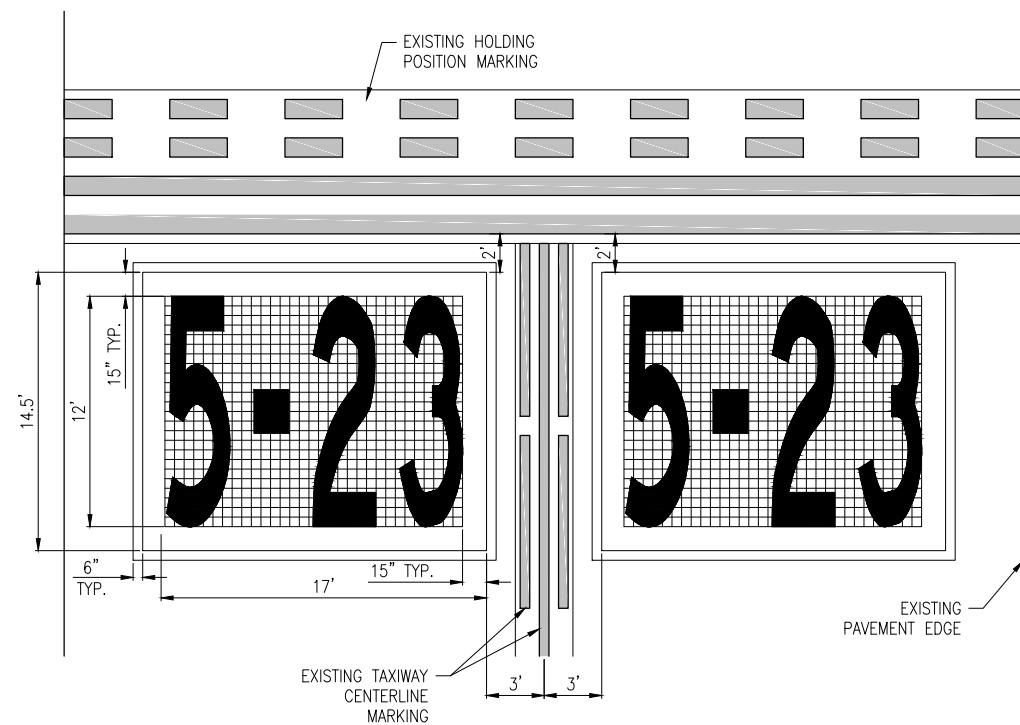
Contract No. SD060

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

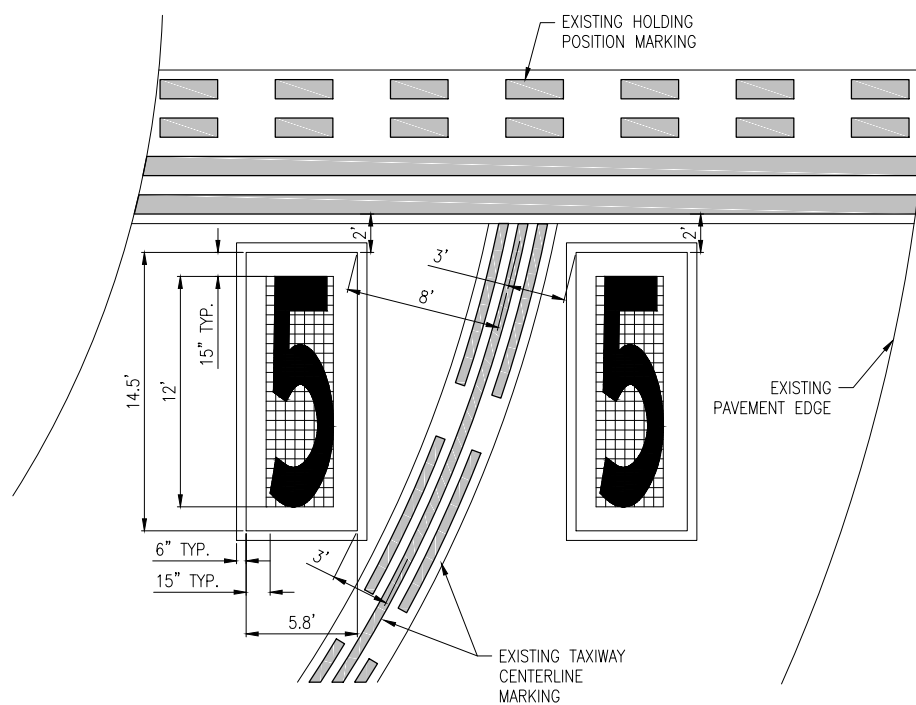
ISSUE: APRIL 20, 2018
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SHEET TITLE

SURFACE PAINTED
HOLDING POSITION
SIGN DETAILS

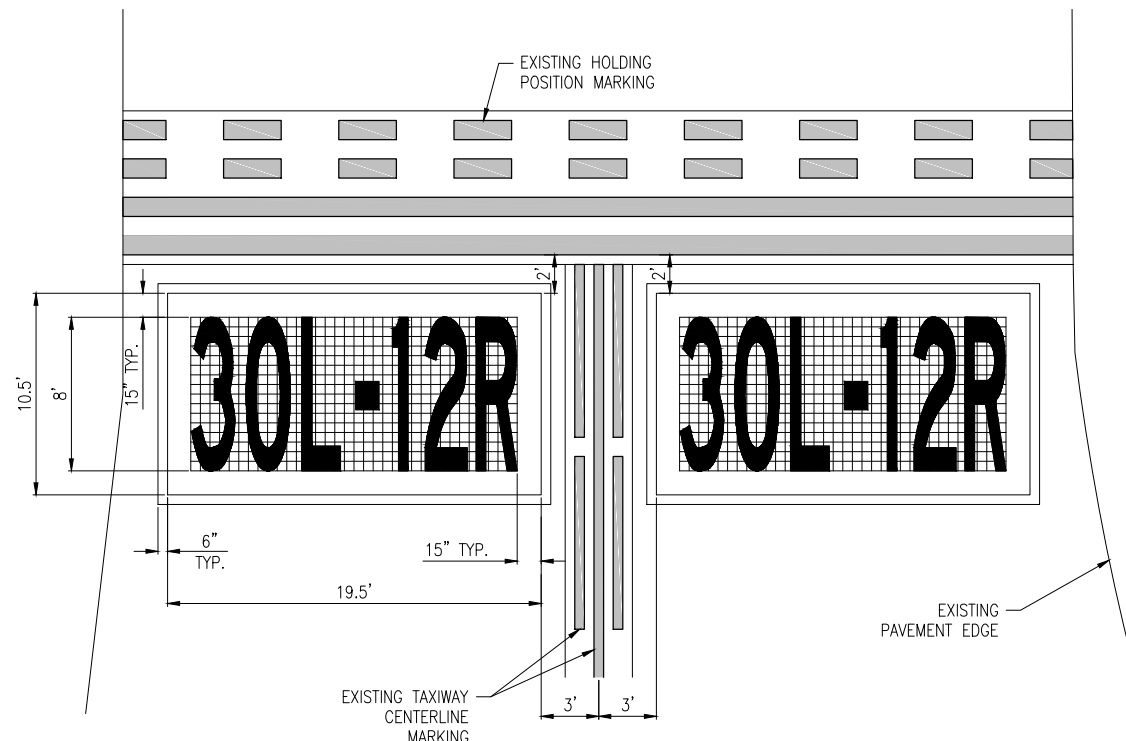


SURFACE PAINTED HOLDING POSITION SIGN DETAIL
INTERSECTION 3
TAXIWAY B1 SHORT OF RUNWAY 23-5
NOT TO SCALE
NOTE: GRID SHOWN FOR PROPER SIZING OF INSCRIPTIONS -
NOT TO BE PAINTED. GRID SPACING IS 0.5 FEET.

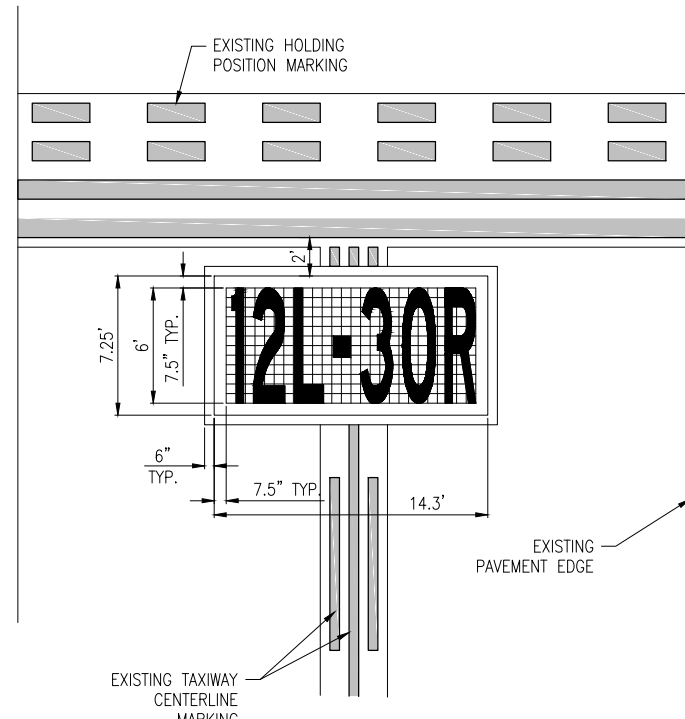


SURFACE PAINTED HOLDING POSITION SIGN DETAIL
INTERSECTION 5
TAXIWAY C/C4 SHORT OF RUNWAY END 5
NOT TO SCALE
NOTE: GRID SHOWN FOR PROPER SIZING OF INSCRIPTIONS -
NOT TO BE PAINTED. GRID SPACING IS 0.5 FEET.

DETAILS SHOWN ARE TO PROVIDE THE CONTRACTOR WITH AN EXAMPLE OF VARIOUS LAYOUTS TYPICAL TO THE PROJECT. CONTRACTOR SHALL FOLLOW TYPICAL DIMENSIONS AND CALLOUTS ON PAVEMENT MARKING PLAN SHEETS FOR EACH INDIVIDUAL INTERSECTION. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS WITH RESIDENT ENGINEER/TECHNICIAN DURING LAYOUT AND PRIOR TO PAINTING.



SURFACE PAINTED HOLDING POSITION SIGN DETAIL
INTERSECTION 13
TAXIWAY B4 SHORT OF RUNWAY 30L-12R
NOT TO SCALE
NOTE: GRID SHOWN FOR PROPER SIZING OF INSCRIPTIONS -
NOT TO BE PAINTED. GRID SPACING IS 0.5 FEET.



SURFACE PAINTED HOLDING POSITION SIGN DETAIL
INTERSECTION 14
TAXIWAY A FROM TAXIWAY B5 SHORT OF RUNWAY 12L-30R
NOT TO SCALE
NOTE: GRID SHOWN FOR PROPER SIZING OF INSCRIPTIONS -
NOT TO BE PAINTED. GRID SPACING IS 0.5 FEET.