

# CONSTRUCTION PLANS

## FOR

# COLES COUNTY MEMORIAL AIRPORT

### MATTOON-CHARLESTON, COLES COUNTY, ILLINOIS

### PAVEMENT REPAIRS ON APRON AND TAXIWAYS

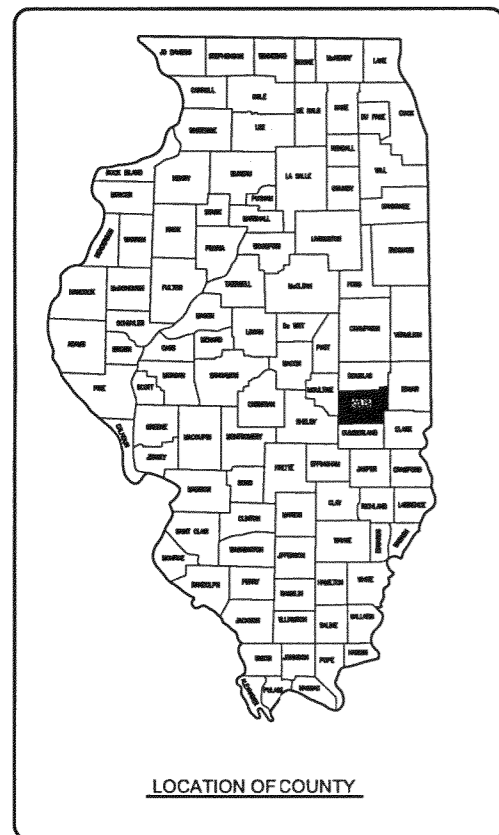
#### SCOPE OF WORK

#### BASE BID:

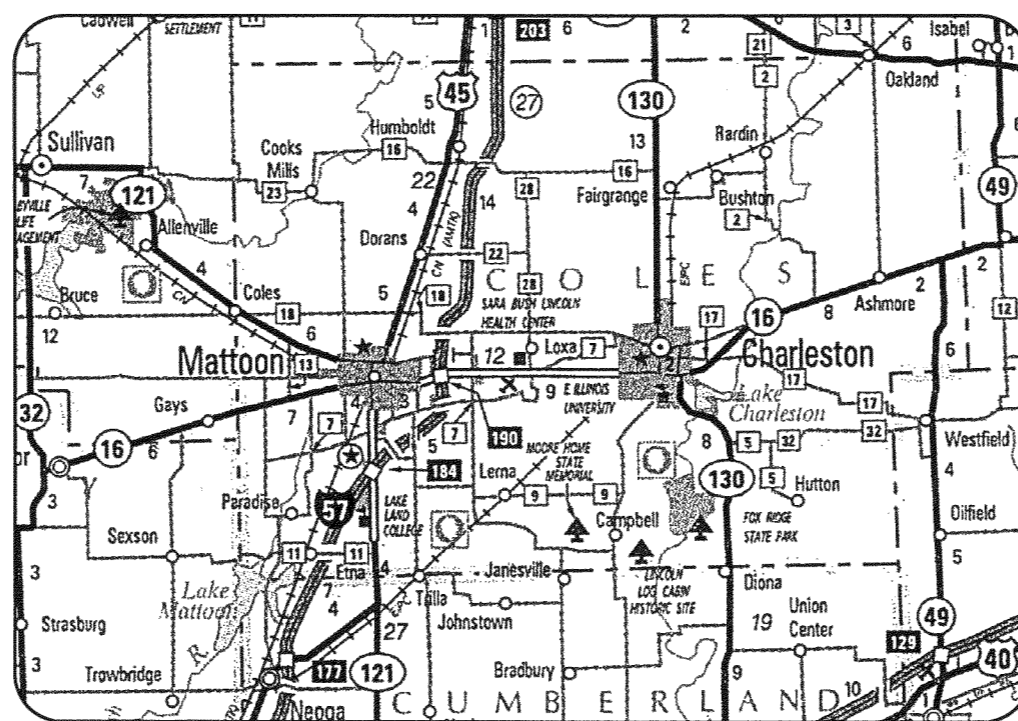
THIS PROJECT CONSISTS OF CLEANING AND SEALING CRACKS AND PAVEMENT REPAIRS ON THE CONCRETE APRON AND TAXIWAYS.

#### ADDITIVE ALTERNATE NO. 1:

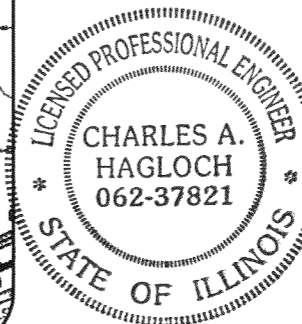
CLEAN AND SEAL JOINTS ON THE CONCRETE AIRCRAFT PARKING APRON AND CONNECTING TAXIWAY.



LOCATION OF COUNTY



LOCATION



REVISED: 01/19/11

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Hanson Professional Services Inc.

Submitted by: *Charles A. Hagloch* ENG'R

Date Submitted: JANUARY 19, 2011

Lics. Exp. Date: NOVEMBER 30, 2011

**COLES COUNTY AIRPORT AUTHORITY**

Approved: *Kecia A. Otter* CHAIRMAN  
Date: 12-29-2010

Approved: *Cheryl Jean* AIRPORT DIRECTOR  
Date: 12-29-2010

ILL. PROJ.: MTO-4030  
A.I.P. PROJ.: 3-17-0066-B27

LATITUDE: 39° 28' 40"  
LONGITUDE: 88° 16' 45"  
ELEVATION: 721.0' M.S.L.  
DATE: DEC. 17, 2010

REVISION	DATE	REVISION
REVISED AS PER IDA REVIEW-CAH	01/19/11	

Hanson Proj. No. 1040076D_0800	DATE
Revision R-001CVR.DWG	DATE
Scale NOT TO SCALE	DATE
LAYOUT	BAK 05/28/10
DRAWN	BAK 05/28/10
REVIEWED	CAH 12/17/10

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PAVEMENT REPAIRS ON APRON AND TAXIWAY

COVER SHEET

1  
1 of 15 sheets

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DATE	REVISION
01/19/11	REVISED AS PER IDA REVIEW-CAH

**SUMMARY OF QUANTITIES**

**BASE BID**

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR501911	REMOVE AND REPLACE PCC PAVEMENT	S.F.	5,672	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	14,605	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	14,742	
AR605541	CLEAN & SEAL CRACKS	L.F.	232	

**ADDITIVE ALTERNATE NO. 1**

AS605540	CLEAN & SEAL JOINTS	L.F.	32,000	
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**INDEX TO SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CONSTRUCTION PLAN STA. 10+00 TO STA. 21+09
5	PROPOSED CONSTRUCTION PLAN STA. 21+09 TO STA. 32+30
6	PROPOSED CONSTRUCTION PLAN STA. 32+30 TO STA. 42+90
7	PROPOSED CONSTRUCTION PLAN STA. 42+90 TO STA. 54+00
8	PROPOSED CONSTRUCTION PLAN STA. 54+00 TO STA. 65+00
9	PROPOSED CONSTRUCTION PLAN STA. 65+00 TO STA. 75+20
10	PROPOSED CONSTRUCTION PLAN TWY A-1 AND C
11	PROPOSED CONSTRUCTION PLAN APRON OVERVIEW
12	PROPOSED CONSTRUCTION PLAN WEST SIDE OF APRON
13	PROPOSED CONSTRUCTION PLAN EAST SIDE OF APRON
14	PROPOSED MARKING PLAN FROM TAXIWAY B1 TO RUNWAY 6-24
15	PROPOSED MARKING PLAN FROM RUNWAY 6-24 TO TAXIWAY B3



IL PROJ.: MTO-4030 A.I.P. PROJ.: 3-17-0066-B27

Hanson Proj. No. 10A00760_0800	Filename R-002ELP.DWG	Scale NOT TO SCALE	Date
LAYOUT	BAK	05/28/10	
DRAWN	BAK	05/28/10	
REVIEWED	CAH	12/17/10	

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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

**SUMMARY OF QUANTITIES AND INDEX TO SHEETS**

**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 WHATEVER 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.

**HAUL ROUTE AND VEHICLE PARKING**

AT THE START OF THIS PROJECT THE RESIDENT ENGINEER AND THE CONTRACTOR WILL WALK THE PROPOSED HAUL AND RECORD ANY PAVEMENT DEFICIENCIES. THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AS SHOWN ON THIS SHEET. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL REPAIR ANY AREAS THAT WERE NOT RECORDED AS DEFICIENT AT THE START OF THE PROJECT. RESTORATION OF THE HAUL ROUTE WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AIRPORT AUTO PARKING LOT. THE CONTRACTOR WILL TRANSPORT ALL EMPLOYEES TO THE PROPOSED CONSTRUCTION SITE.

TAXIWAY "B" WILL BE USED AS THE ACCESS TO ALL WORK AREAS OUTSIDE THE AIRCRAFT PARKING APRON FOR ALL VEHICLES HAULING MATERIAL TO THE PROPOSED CONSTRUCTION SITE.

THE CONTRACTOR WILL FURNISH FLAGMEN ON TAXIWAY "B" AT THE INTERSECTION WITH RUNWAY 6-24 WHENEVER HE IS HAULING MATERIAL ACROSS RUNWAY 6-24. THE FLAGMEN WILL BE EQUIPPED WITH AIRPORT RADIOS AND STOP-GO SIGNS. THE FLAGMEN WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**CONTRACTOR RESPONSIBILITIES**

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THE AUTO PARKING LOT. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED ONTO THE AIRFIELD.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.


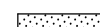

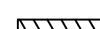


THE CONTRACTOR SHALL KEEP ONE RUNWAY OPEN AT ALL TIMES AND MAINTAIN CONTINUOUS TAXIWAY ACCESS TO ALL HANGARS AND ADMINISTRATIVE AREAS.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE RUNWAY CLOSURE.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

NO RUNWAY SHALL BE CLOSED OVERNIGHT.

**LEGEND**

-  EXISTING IMPROVEMENTS
-  PROPOSED IMPROVEMENTS
-  EXISTING BUILDINGS
-  PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
-  PROPOSED BENCHMARK
-  PROPOSED BARRICADES OR TRAFFIC CONES

**SCOPE OF WORK**

BASE BID:  
THIS PROJECT CONSISTS OF CLEANING AND SEALING CRACKS AND PAVEMENT REPAIRS ON THE CONCRETE APRON AND TAXIWAYS.

ADDITIVE ALTERNATE NO. 1:  
CLEAN AND SEAL JOINTS ON THE CONCRETE AIRCRAFT PARKING APRON AND CONNECTION TAXIWAY.

**AIRPORT SECURITY NOTE**

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A CONCRETE TRUCK.

**CERTIFIED PAYROLLS**

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

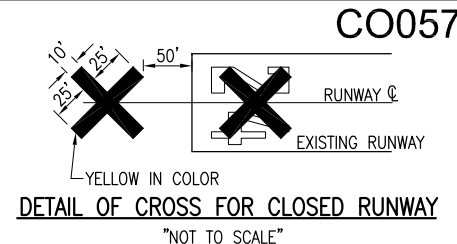
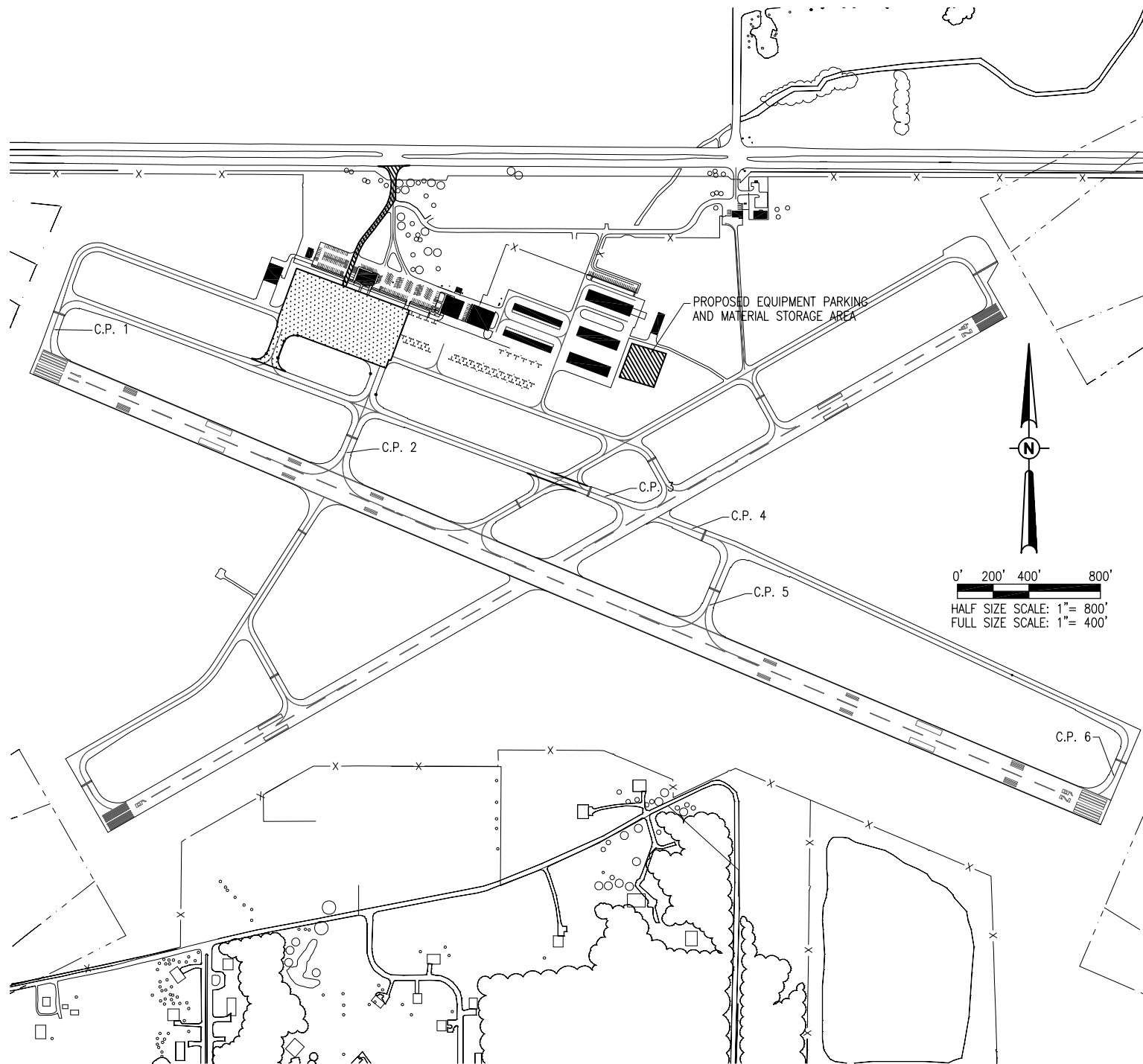
**MATERIAL CERTIFICATION**

COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL ALL MATERIAL CERTIFICATIONS FOR THAT PAY ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER.

**BARRICADES AND TRAFFIC CONES**

BARRICADES SHALL BE PLACED AND MAINTAINED IN SUCH A WAY AS TO PREVENT AIRCRAFT ACCESS TO TAXIWAY SEGMENTS AND PORTIONS OF THE APRON WHERE WORK IS BEING PERFORMED, WHILE MAINTAINING AIRCRAFT ACCESS TO ACTIVE AIRFIELD PAVEMENTS. AIRFIELD PAVEMENT CLOSURES SHALL BE SCHEDULED THROUGH AND WILL REQUIRE THE APPROVAL OF THE AIRPORT MANAGER.

THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



**NOTE:**

COST OF CONSTRUCTING, PLACING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE AIRPORT MANAGER. THE CROSSES WILL BE PLACED OVER THE NUMERALS AND SECURED IN A MANNER APPROVED BY THE MANAGER. THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**J.U.L.I.E. INFORMATION**

COUNTY COLES  
CITY MATTOON  
TOWNSHIP LAFAYETTE  
SECTION NO. 14, 15, 22 & 23  
ADDRESS COLES COUNTY MEMORIAL AIRPORT  
432 AIRPORT ROAD  
MATTOON, ILLINOIS 61938

**PROPOSED SAFETY PLAN**

GENERAL - THE COLES COUNTY MEMORIAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING BOTH RUNWAYS. ANY TIME THE CONTRACTOR IS WORKING WITHIN 200' OF THE RUNWAY CENTERLINE THE RUNWAY WILL BE CLOSED. THE RUNWAY WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. RUNWAY 11-29 WILL NOT BE CLOSED DURING IFR CONDITIONS. RUNWAY 11-29 WILL BE CLOSED NO MORE THAN 2 TIMES. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.70 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE COLES COUNTY MEMORIAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

**150-ENGINEER'S FIELD OFFICE NOTES**

THE CONTRACTOR WILL FURNISH A WIRELESS PHONE TO THE RESIDENT ENGINEER FOR HIS EXCLUSIVE USE FOR THE DURATION OF THIS PROJECT. THE RESIDENT ENGINEER WILL USE THIS PHONE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL PHONE.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS:  
AR150510 ENGINEER'S FIELD OFFICE \_\_\_\_ 1 L.S.

**EROSION CONTROL**

THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND, THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.

**CRITICAL POINT DATA**

ALL PROPOSED CRITICAL POINTS ARE LOCATED AT THE CENTERLINE OF THE TAXIWAY AT A PERPENDICULAR DISTANCE OF 200' FROM THE RUNWAY CENTERLINE.

POINT NO. 1 LATITUDE: 39° 28' 54.29" LONGITUDE: 88° 17' 21.55" ELEVATION: 712.5 M.S.L.	POINT NO. 2 LATITUDE: 39° 28' 47.47" LONGITUDE: 88° 17' 00.71" ELEVATION: 711.8 M.S.L.
POINT NO. 3 LATITUDE: 38° 28' 45.03" LONGITUDE: 88° 16' 42.30" ELEVATION: 715.2 M.S.L.	POINT NO. 4 LATITUDE: 38° 28' 43.23" LONGITUDE: 88° 16' 36.09" ELEVATION: 715.1 M.S.L.
POINT NO. 5 LATITUDE: 38° 28' 39.00" LONGITUDE: 88° 16' 34.85" ELEVATION: 714.8 M.S.L.	POINT NO. 6 LATITUDE: 39° 28' 29.50" LONGITUDE: 88° 16' 05.86" ELEVATION: 712.4 M.S.L.

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REVISED AS PER IDA REVIEW -CAH			

**COLES COUNTY AIRPORT AUTHORITY**

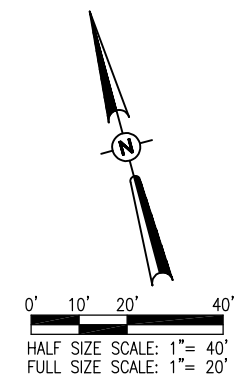
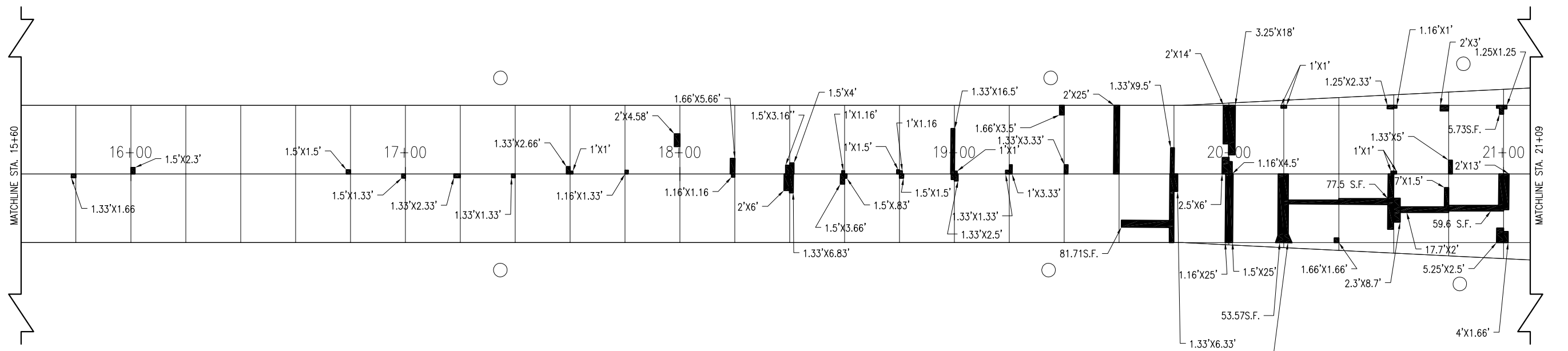
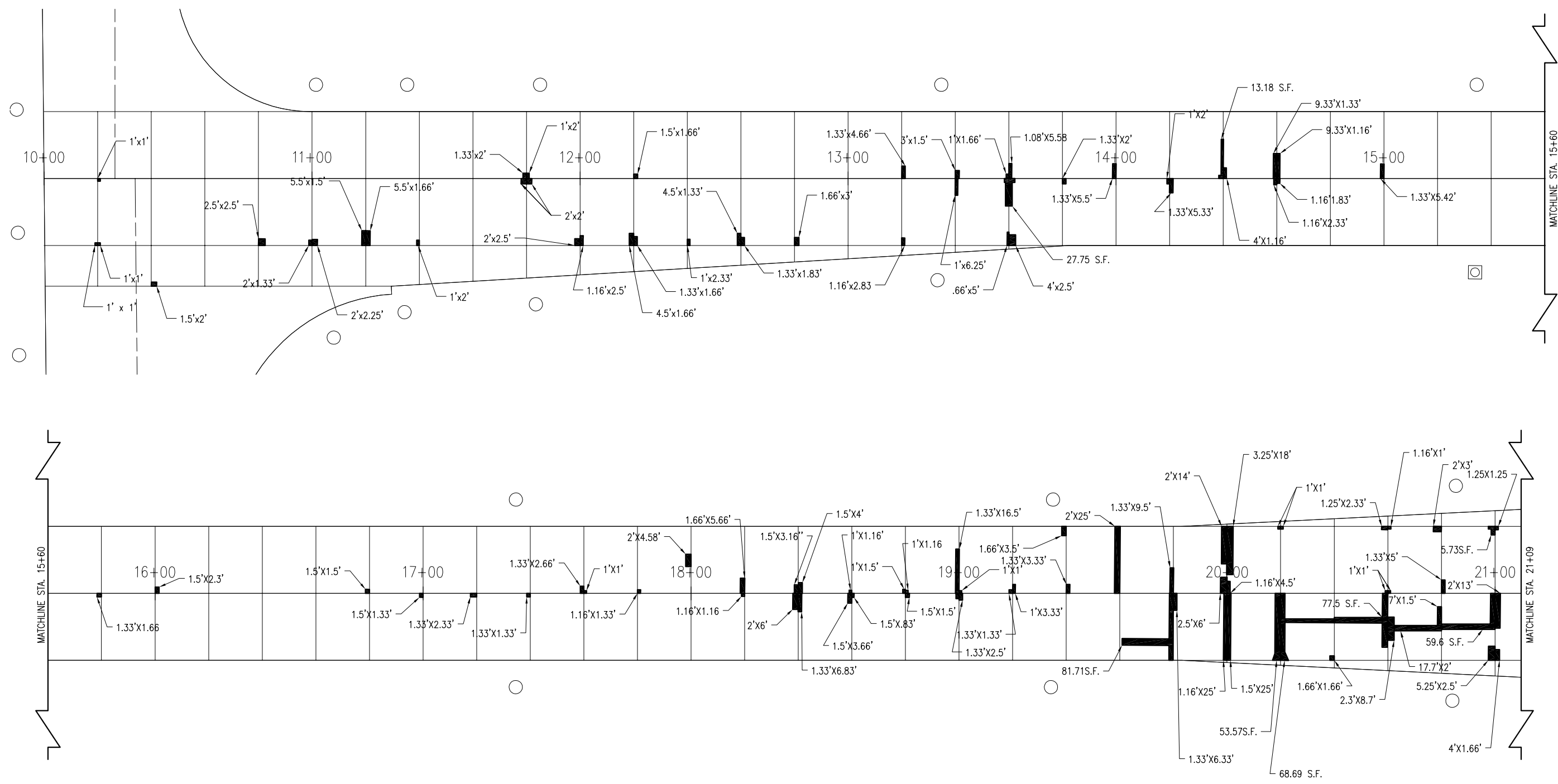
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Date	REVIEWED	
LAYOUT	DRAWN	

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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

**PROPOSED SAFETY PLAN**



**LEGEND**  
 [White box] EXISTING IMPROVEMENTS  
 [Black box] PROPOSED PCC REMOVAL AND REPLACEMENT

REVISION	DATE

MATCHLINE STA. 15+60

COLES COUNTY AIRPORT AUTHORITY

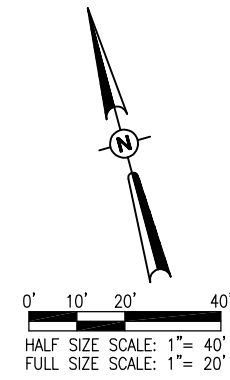
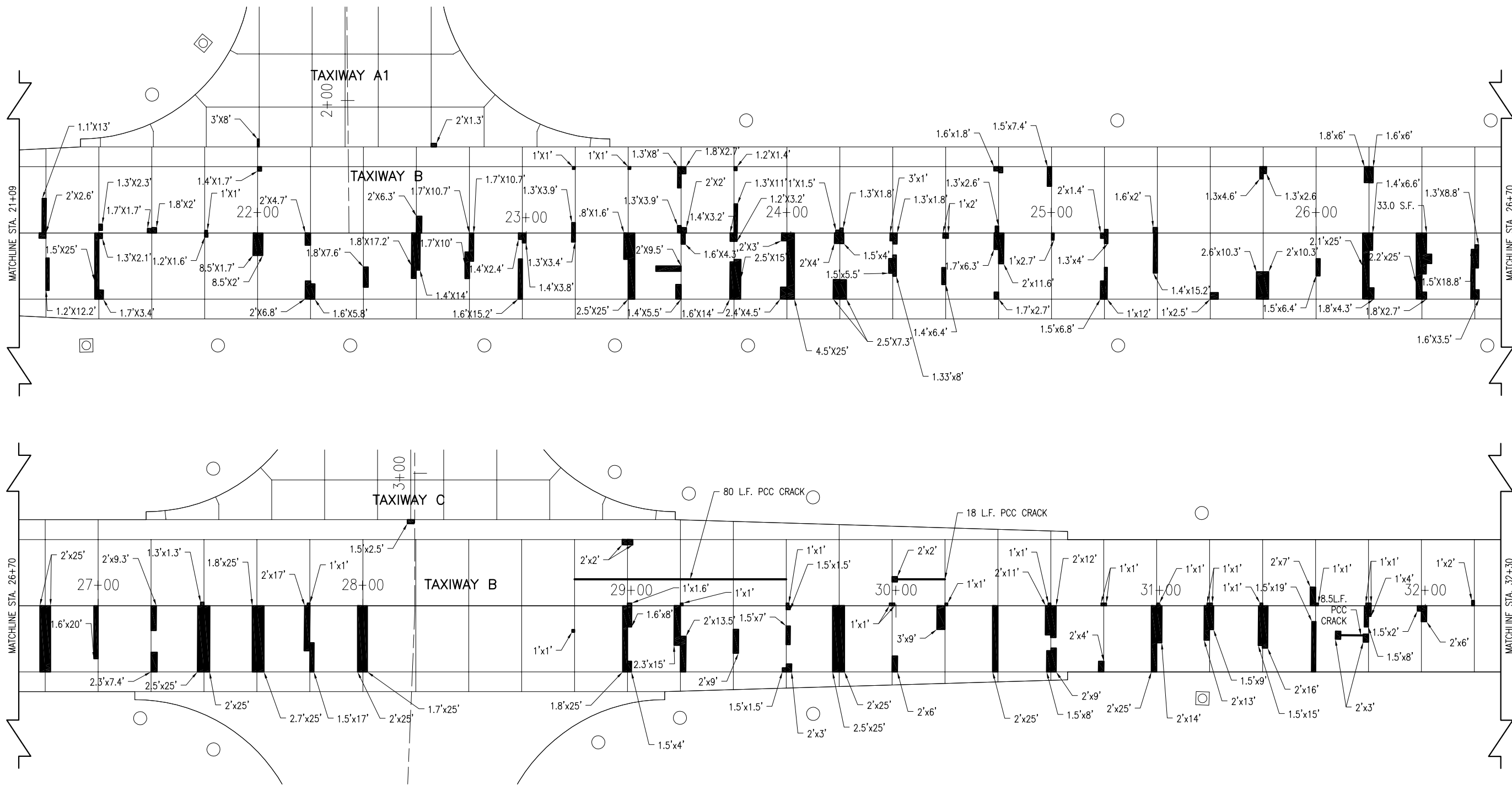
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Scale 1" = 20'	MDR
Date 12/16/10	CAH
LAYOUT	12/17/10
DRAWN	12/16/10
REVIEWED	12/17/10

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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

PROPOSED CONSTRUCTION  
 SHEET STA. 10+00 TO STA. 21+09



- LEGEND**
- EXISTING IMPROVEMENTS
  - PROPOSED PCC REMOVAL AND REPLACEMENT
  - PROPOSED PCC CRACK SEALING

REVISION	DATE

**COLES COUNTY AIRPORT**  
  
 AUTHORITY  
 COLES COUNTY, ILLINOIS

A.I.P. PROJ.: 3-17-0066-BZ7  
 I.L. PROJ.: MTO-4030

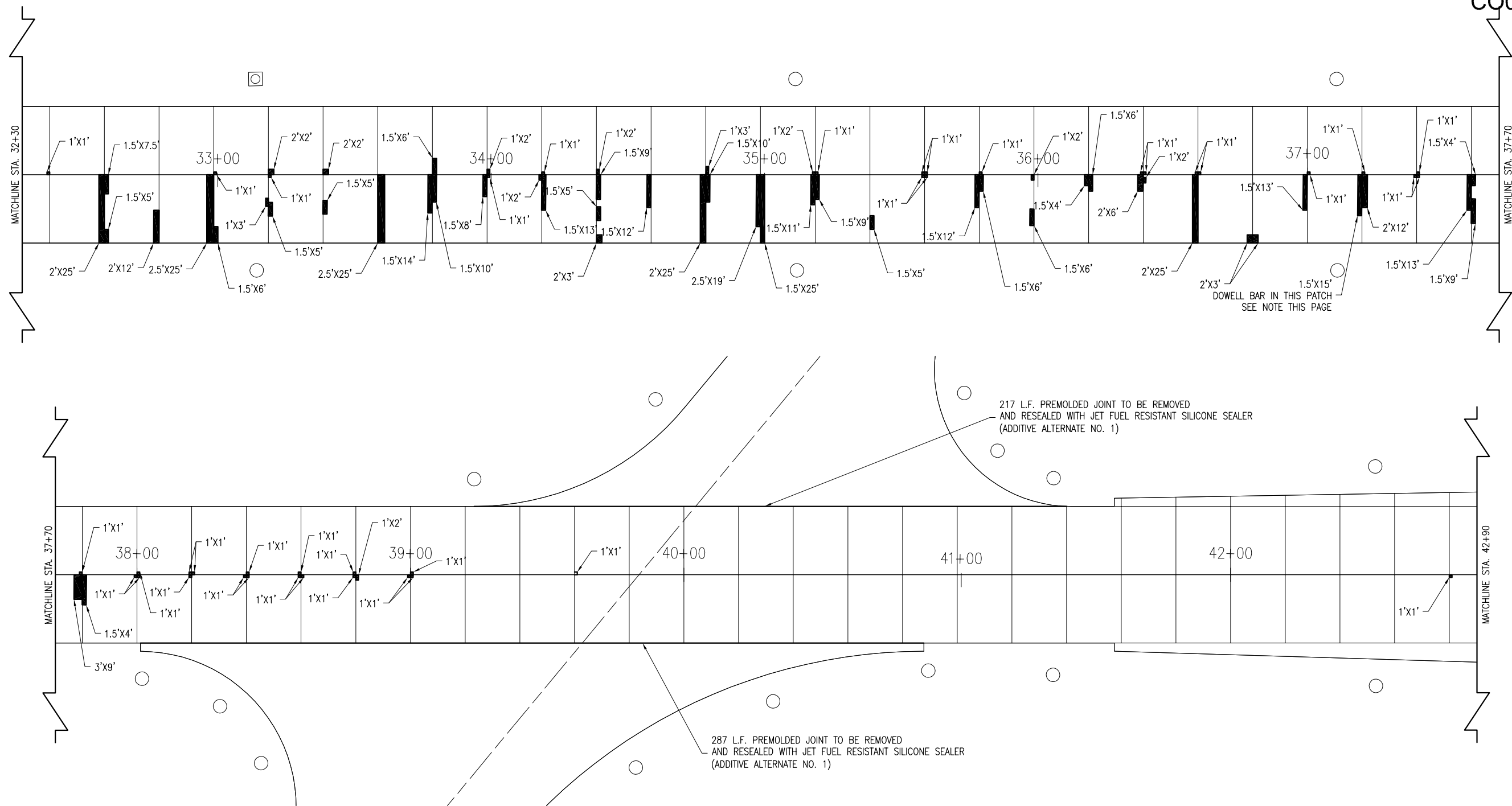
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**PAVEMENT REPAIRS ON  
 APRON AND TAXIWAY**

**PROPOSED CONSTRUCTION**  
 SHEET STA. 21+09 TO STA.  
 32+30

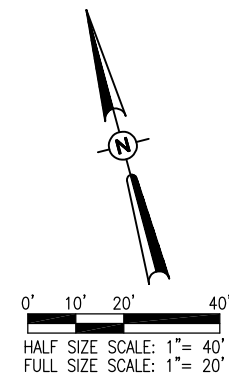
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**DOWEL BAR REMOVAL NOTES**

THERE IS AN EXISTING DOWEL BAR THAT IS STICKING THROUGH THE TOP OF THE PAVEMENT. THE CONTRACTOR WILL REMOVE THE PAVEMENT AROUND THIS DOWEL BAR TO EXPOSE A SUFFICIENT AMOUNT TO ALLOW THE CONTRACTOR TO CUT OFF THE SECTION STICKING UP.

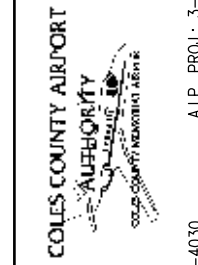
THE DOWEL BAR IS LOCATED WITHIN A 1.5' X 15' AREA TO BE REMOVED AND REPLACED. THE CUTTING OFF OF THE DOWEL BAR WILL BE CONSIDERED AS AN INCIDENTAL PART OF THE REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



**LEGEND**

	EXISTING IMPROVEMENTS
	PROPOSED PCC REMOVAL AND REPLACEMENT
	PROPOSED PCC JOINT TO BE RESEALED

REVISION	DATE
Revised as per IDA review - CAH	01/19/11

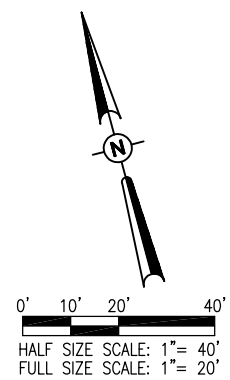
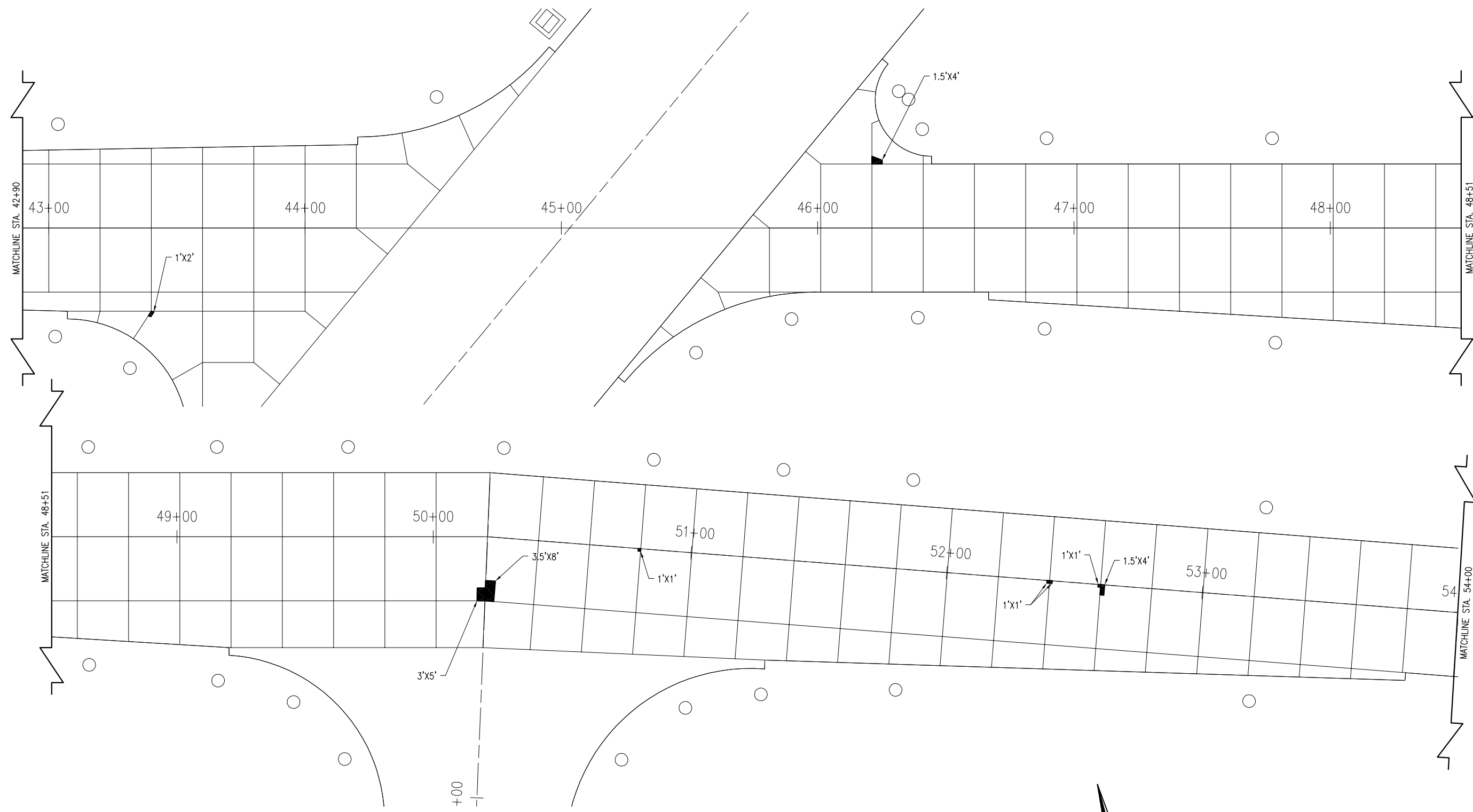


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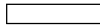

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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

PROPOSED CONSTRUCTION  
 PLAN STA. 32+30 TO STA. 42+90




**LEGEND**

	EXISTING IMPROVEMENTS
	PROPOSED PCC REMOVAL AND REPLACEMENT

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DATE	REVISION

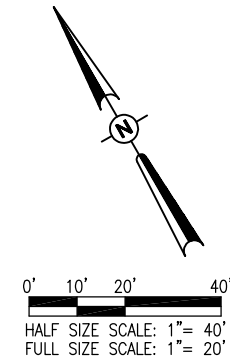
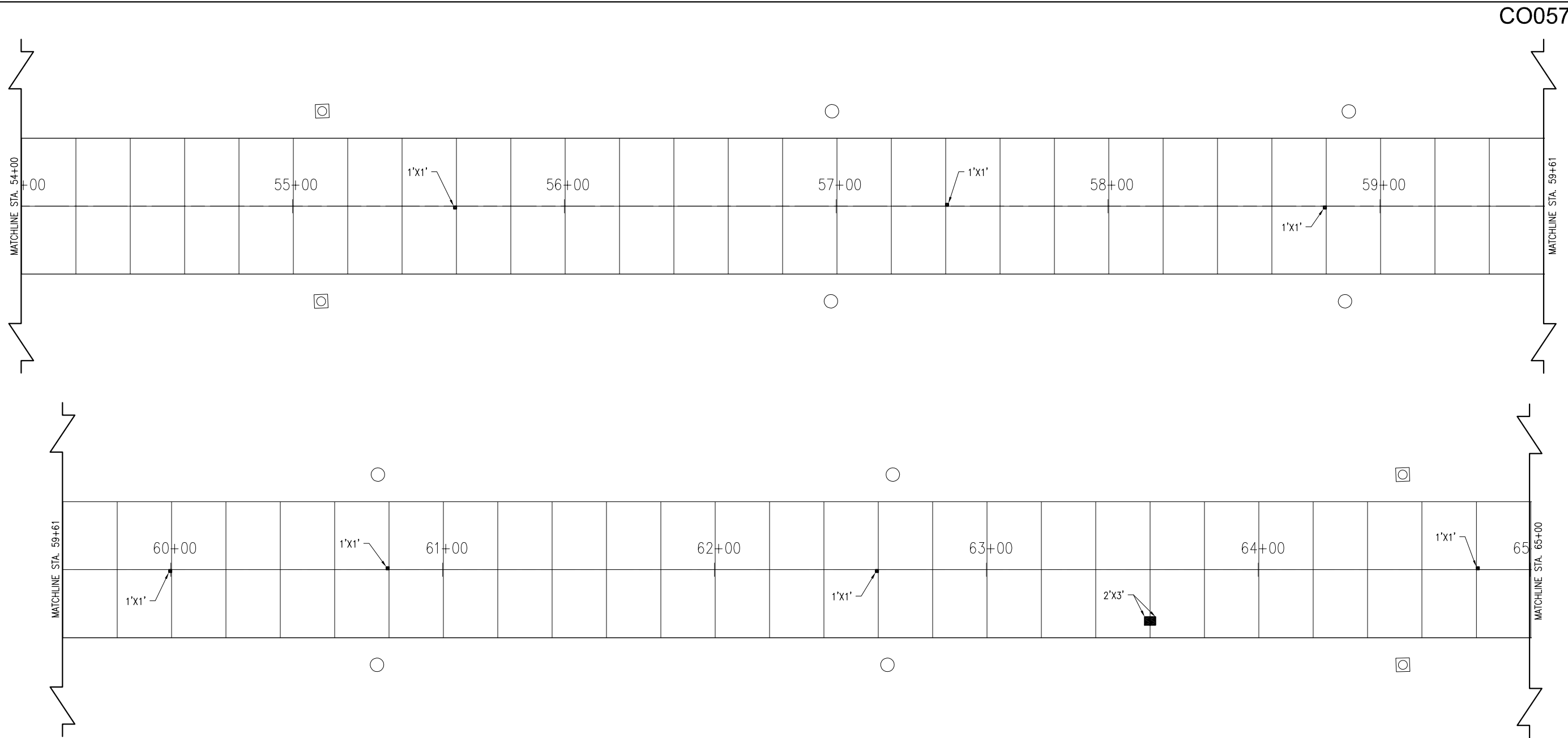
**COLES COUNTY AIRPORT**  
  
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LAYOUT	MDR	12/16/10	
DRAWN	MDR	12/16/10	
REVIEWED	CAH	12/17/10	



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**PAVEMENT REPAIRS ON  
 APRON AND TAXIWAY**

PROPOSED CONSTRUCTION  
 PLAN STA. 42+90 TO STA.  
 54+00




**LEGEND**

	EXISTING IMPROVEMENTS
	PROPOSED PCC REMOVAL AND REPLACEMENT

CO057

REVISION	DATE

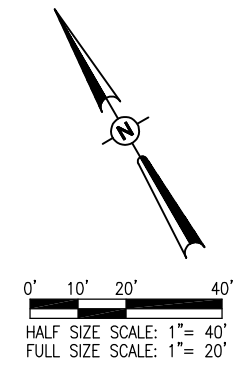
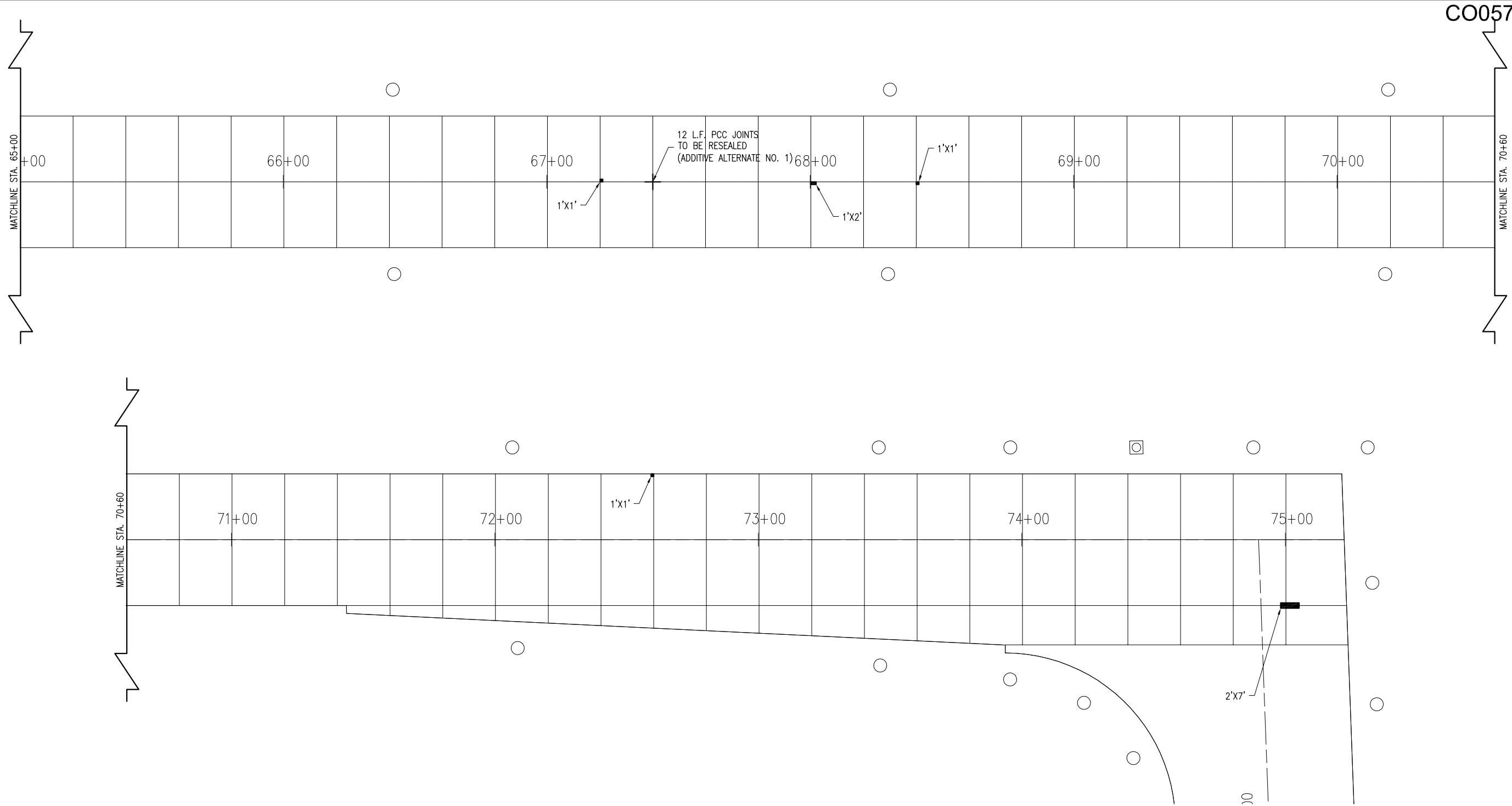
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 ILL. PROJ.: MTO-4030      A.I.P. PROJ.: 3-17-0066-BZ7

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LAYOUT	MDR	12/16/10	
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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**  
 PROPOSED CONSTRUCTION PLAN STA. 54+00 TO STA. 65+00





- LEGEND**
- EXISTING IMPROVEMENTS
  - PROPOSED PCC REMOVAL AND REPLACEMENT
  - PROPOSED PCC JOINT TO BE RESEALED

DATE	REVISION
01/19/11	Revised as per IDA review - CAH

**CO057**

**COLES COUNTY AIRPORT**  
  
 COLES COUNTY AIRPORT AUTHORITY

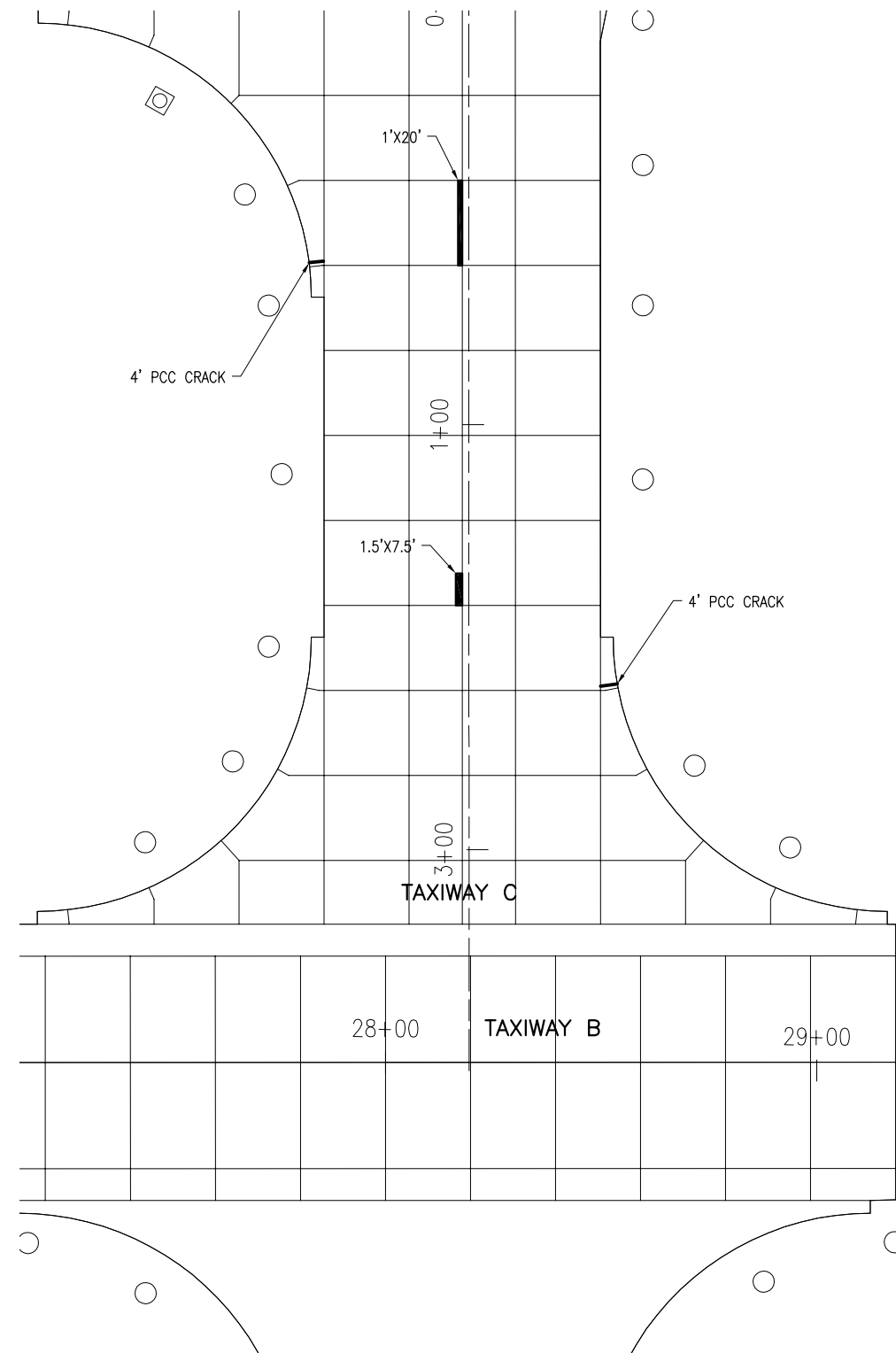
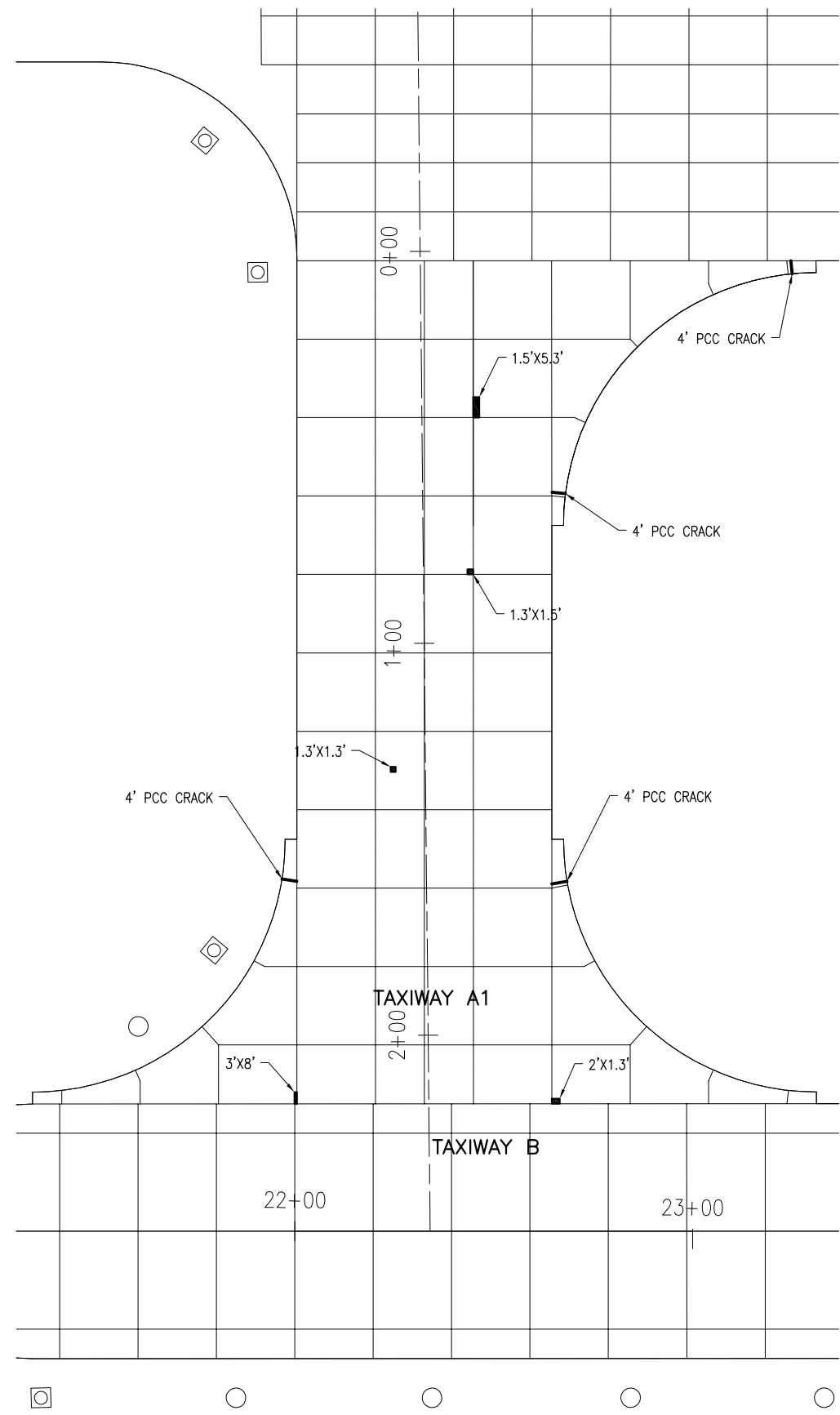
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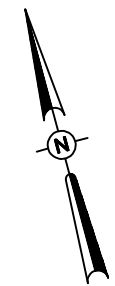
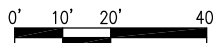
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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

PROPOSED CONSTRUCTION  
 PLAN STA. 65+00 TO STA. 75+20




  
  
 HALF SIZE SCALE: 1" = 40'  
 FULL SIZE SCALE: 1" = 20'

**LEGEND**

-  EXISTING IMPROVEMENTS
-  PROPOSED PCC REMOVAL AND REPLACEMENT
-  PROPOSED PCC CRACK TO BE SEALED

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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**  
**PROPOSED CONSTRUCTION PLAN TWY A1 & C**

**REMOVE AND REPLACE P.C.C. PAVEMENT**

THE PAVEMENT AREAS TO BE REPAIRED ARE AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL PAVEMENT REPAIR AREAS WILL BE MARKED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

AREAS LESS THAN 6" IN LENGTH AND 2" IN WIDTH SHALL NOT BE REPAIRED BUT SHALL BE FILLED WITH THE JOINT SEALER MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS.

THE DISTRESSED AREA WILL BE REPAIRED BY PARTIAL DEPTH PATCHING. THE PATCHING MATERIAL SHALL BE A HIGH EARLY STRENGTH, FAST SETTING MORTAR.

THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS IN SUCH A MANNER AS TO ONLY REPAIR THOSE AREAS WHICH CAN BE COMPLETED BY THE END OF EACH DAY.

THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, MIXING, PLACEMENT, CONSOLIDATION, SCREENING, AND CURING OF THE PATCHING MATERIAL.

A 2" DEPTH SAW CUT SHALL BE MADE AROUND THE PERIMETER OF THE PATCH AREA TO PROVIDE A VERTICAL FACE AT THE EDGE AND SUFFICIENT DEPTH FOR THE PATCH. THE "RUN-OUT" OF THE SAW CUTS IN THE EXISTING SLAB SHALL BE FILLED WITH THE MORTAR PHASE OF THE PATCH MATERIAL.

IN REMOVING THE CONCRETE WITHIN THE PATCH AREA, THE CONTRACTOR SHALL BE EXTRA CAUTIOUS AS TO NOT DAMAGE OR FRACTURE THE CONCRETE BELOW THE REQUIRED DEPTH. THE CONCRETE SHALL BE REMOVED TO A DEPTH OF FINDING UNDAMAGED CONCRETE. A HAMMER IS TO BE USED TO RING THE UNDERLYING PAVEMENT FOR SOUNDNESS.

AFTER REMOVAL OF THE CONCRETE, THE SURFACE OF THE PATCH AREA SHALL BE SANDBLASTED FREE OF LOOSE PARTICLES, OIL, DUST, AND OTHER CONTAMINANTS. ONCE THIS IS COMPLETED, THE PATCH AREA SHALL BE AIR BLASTED FOR FINAL CLEANING.

THE PATCH AREA SHALL BE DAMPENED WITH CLEAN WATER BEFORE PATCHING, NO PUDDLES OF WATER SHALL BE LEFT IN THE HOLE BEFORE PLACING MATERIAL.

THE PATCH MIXTURE SHALL BE PLACED AND CONSOLIDATED TO ELIMINATE ESSENTIALLY ALL VOIDS AT THE INTERFACE BETWEEN THE PATCH AND THE EXISTING CONCRETE. ALL PATCHES SHALL BE FINISHED TO CONFORM WITH THE EXISTING PAVEMENT TEXTURE.

THE NEW PATCH MUST NOT BE IN CONTACT WITH THE ADJACENT SLAB PANELS. A FOAM PLASTIC SHEETING OR WALLBOARD 1/8" TO 3/8" THICK SHALL BE INSERTED IN THE JOINT TO MAINTAIN A SPACE BETWEEN THE PATCH AND THE ADJACENT PANEL. THE PATCH IS NOT TO PROTRUDE BEYOND THE FACE OF THE CONCRETE SLAB.

FOR POSITIVE CURING OF THE PATCHED AREA, WET BURLAP MATERIAL SHALL BE PLACED OVER THE AREA AND RETTETED WHEN NEEDED FOR PROPER CURING.

THE EXISTING JOINTS ADJACENT TO THE PATCHED AREAS SHALL BE RESAWED AND CLEANED BEFORE RESEALING THE JOINT.

**CLEAN & SEAL CRACKS**

THE EXISTING CRACKS S SHOWN ON THE CONSTRUCTION PLANS ARE TO BE CLEANED AND RESEALED IN ACCORDANCE WITH THE SPECIFICATIONS.

THE CRACK SIZES VARY APPROXIMATELY FROM 3/4" TO 1-1/2" IN WIDTH.

THE PROPOSED SEALANT MATERIAL FOR RESEALING THE CRACKS WILL BE THE SAME SILICONE SEALANT AS USED IN THIS PROJECT FOR RESEALING THE JOINTS.

**CLEAN & SEAL JOINTS**

THE EXISTING JOINTS TO BE CLEANED AND RESEALED IN ACCORDANCE WITH THE SPECIFICATIONS WILL BE LOCATED IN THE FIELD AT THE TIME OF CONSTRUCTION.

THE EXISTING JOINTS VARY APPROXIMATELY FROM 3/8" TO 1/2" IN WIDTH.

THE CONTRACTOR SHALL USE A SILICONE SEALANT MATERIAL TO RESEAL THE LONGITUDINAL AND TRANSVERSE JOINTS. THE JOINT PREPARATION SHALL INCLUDE THE REMOVAL OF OLD SEALANT. JOINT PREPARATION WILL INCLUDE SAWING, SANDBLASTING, CLEANING, INSTALLATION OF BACKER ROD, AND THE INSTALLATION OF SILICONE SEALANT.

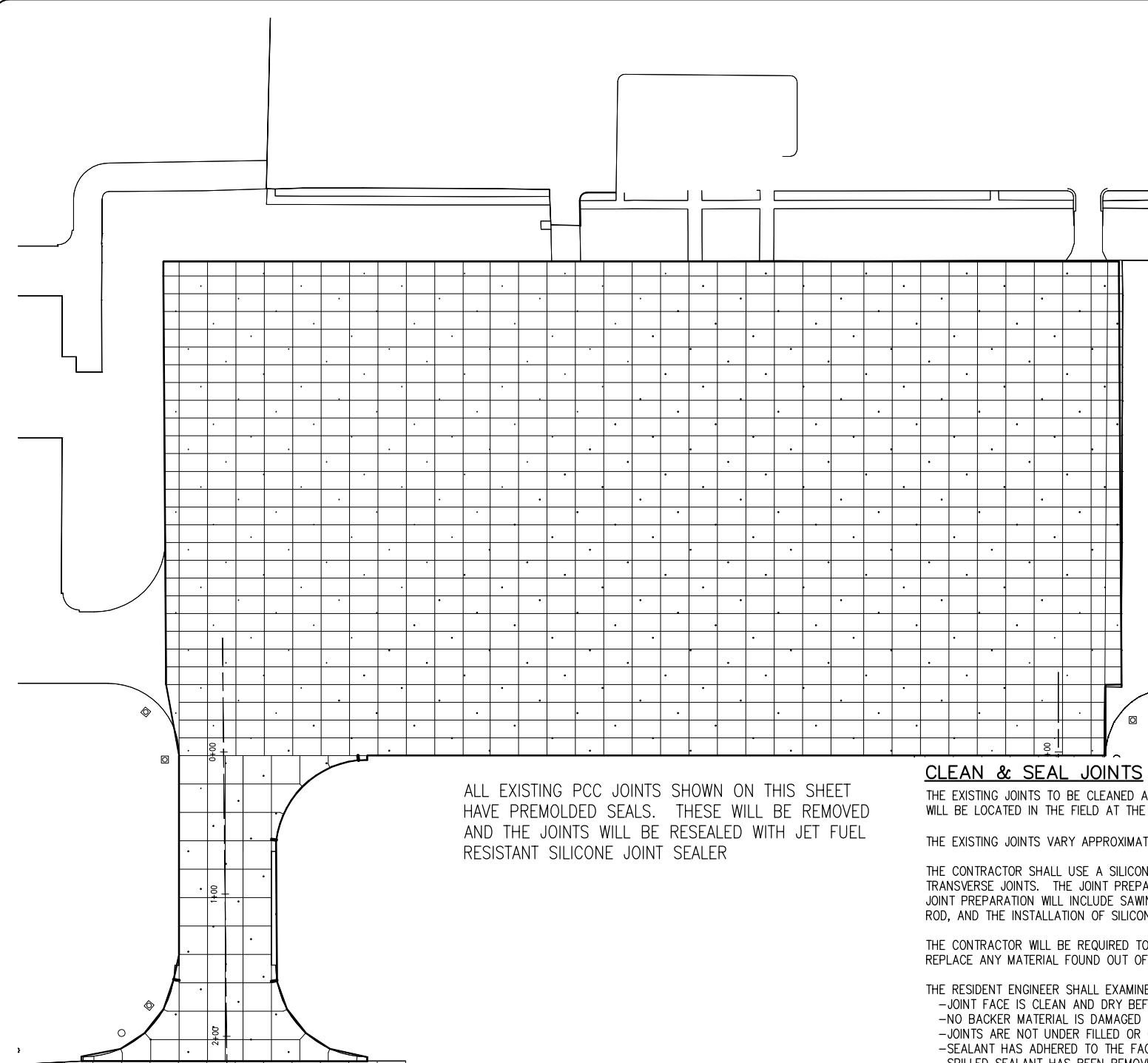
THE CONTRACTOR WILL BE REQUIRED TO REPAIR ANY JOINTS DAMAGED BY HIS OPERATIONS OR REPLACE ANY MATERIAL FOUND OUT OF SPECIFICATION DURING THE SEALING OPERATION.

THE RESIDENT ENGINEER SHALL EXAMINE THE JOINTS FOR THE FOLLOWING FEATURES:

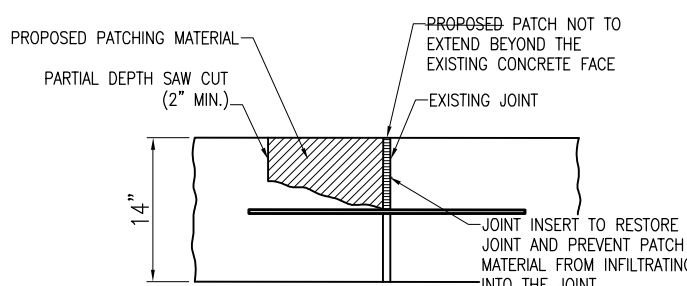
- JOINT FACE IS CLEAN AND DRY BEFORE SEALANT APPLICATION.
- NO BACKER MATERIAL IS DAMAGED OR FLOATING IN THE SEALANT.
- JOINTS ARE NOT UNDER FILLED OR OVERFILLED.
- SEALANT HAS ADHERED TO THE FACE OF THE JOINT.
- SPILLED SEALANT HAS BEEN REMOVED.
- NO DEBRIS IS LEFT ON THE PAVEMENT SURFACE.

THE JOINTS SHALL BE RE-SEALED IN ACCORDANCE WITH ITEM 605 JOINT SEALING FILLER USING DOW CORNING 888 NON SAG SILICONE JOINT SEALER. THE SEALER SHALL BE NEATLY FINISHED AS SHOWN IN THE DETAIL. ALL OVERFILLED JOINTS SHALL BE REMOVED AND CORRECTED. SPILLS SHALL BE REMOVED FROM THE PAVEMENT.

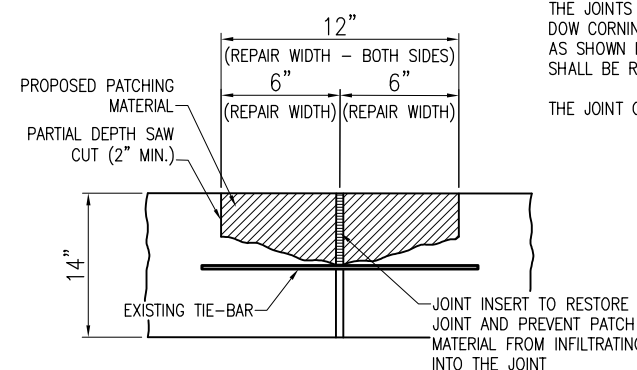
THE JOINT CLEANING AND SEALING WILL BE CONSIDERED AS ADDITIVE ALTERNATE NO. 1.



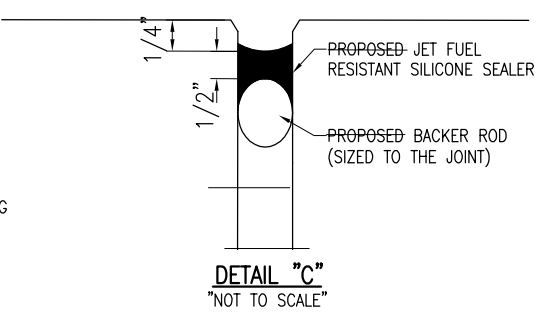
ALL EXISTING PCC JOINTS SHOWN ON THIS SHEET HAVE PREMOLDED SEALS. THESE WILL BE REMOVED AND THE JOINTS WILL BE RESEALED WITH JET FUEL RESISTANT SILICONE JOINT SEALER



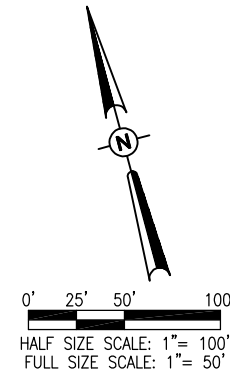
**REMOVE AND REPLACE P.C.C. PAVEMENT**  
NOT TO SCALE



**REMOVE AND REPLACE P.C.C. PAVEMENT**  
NOT TO SCALE



**DETAIL "C"**  
NOT TO SCALE



**LEGEND**

	EXISTING IMPROVEMENTS
	PROPOSED PCC REMOVAL AND REPLACEMENT
	PROPOSED PCC JOINTS TO BE RESEALED

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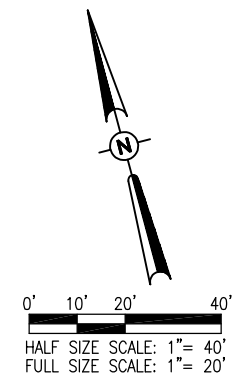
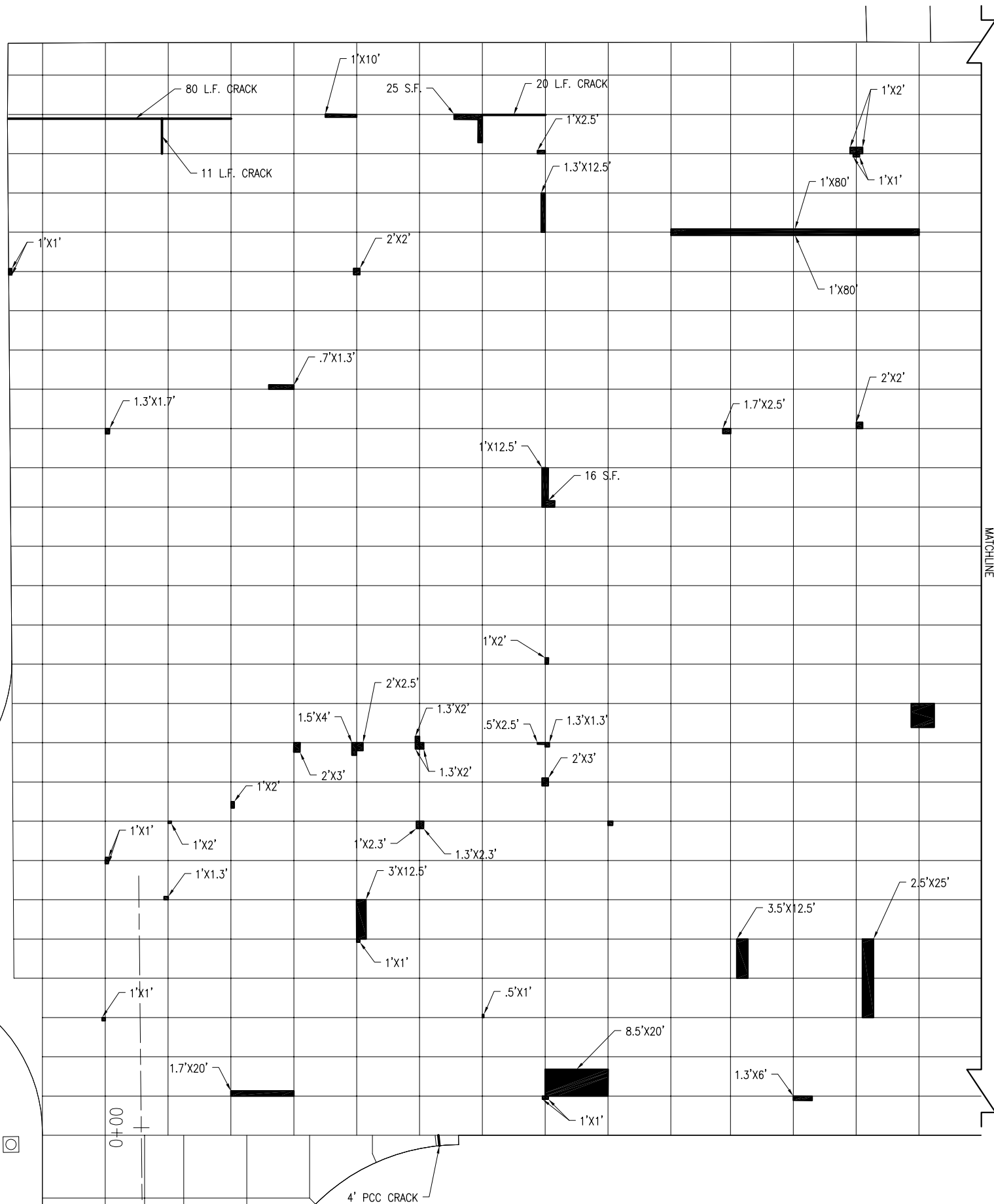
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01/19/11			
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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**  
 PROPOSED CONSTRUCTION PLAN APRON OVERVIEW



**LEGEND**

	EXISTING IMPROVEMENTS
	PROPOSED PCC REMOVAL AND REPLACEMENT
	PROPOSED PCC CRACK SEALING

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 COLES COUNTY, ILLINOIS 62401

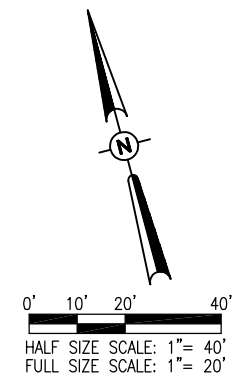
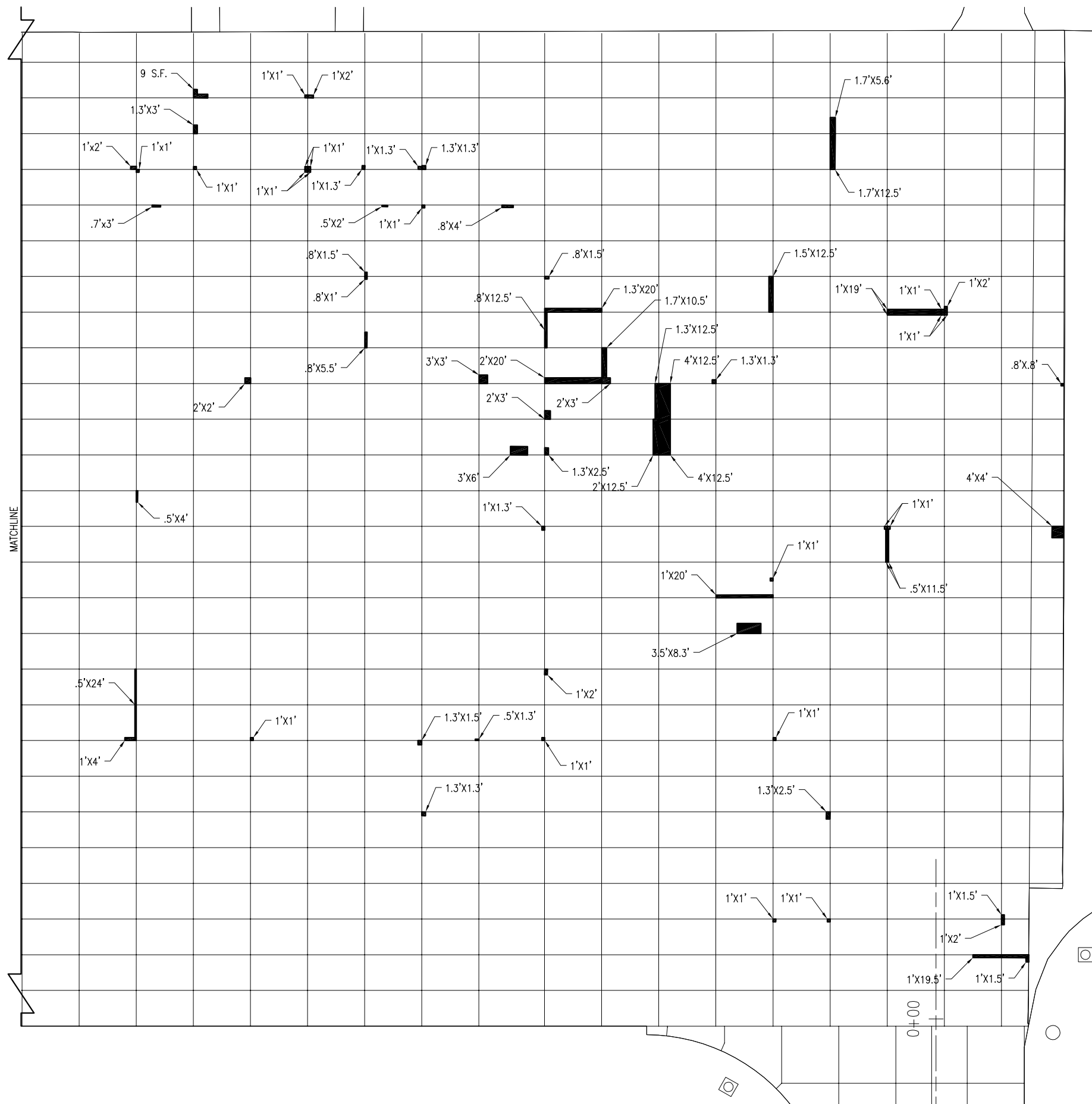
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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

PROPOSED CONSTRUCTION PLAN WEST SIDE OF APRON



**LEGEND**

EXISTING IMPROVEMENTS

PROPOSED PCC REMOVAL AND REPLACEMENT

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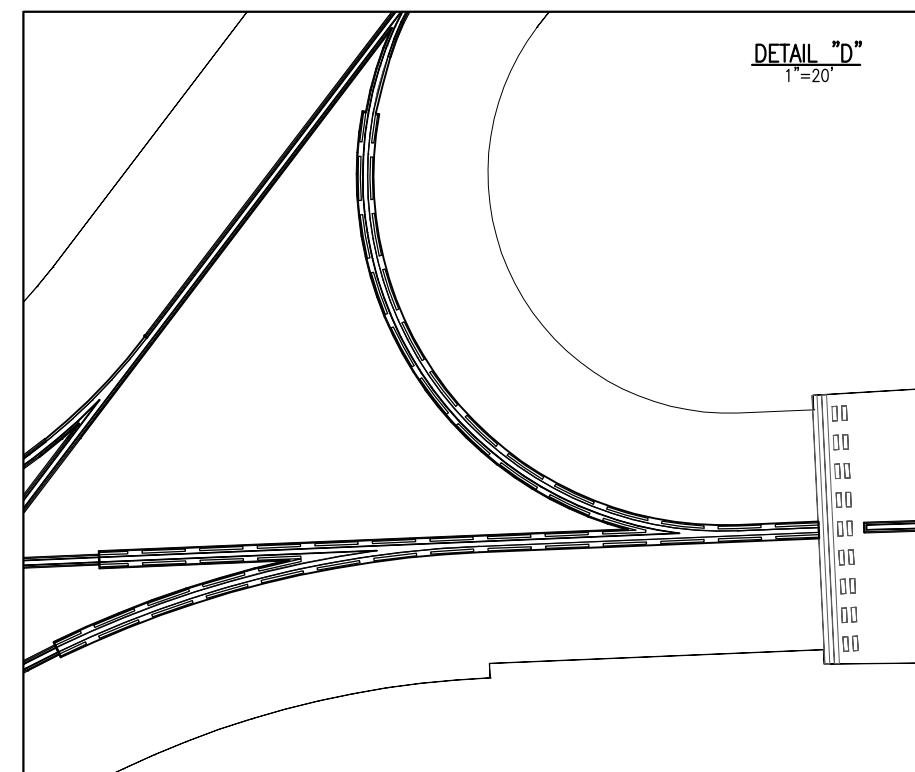
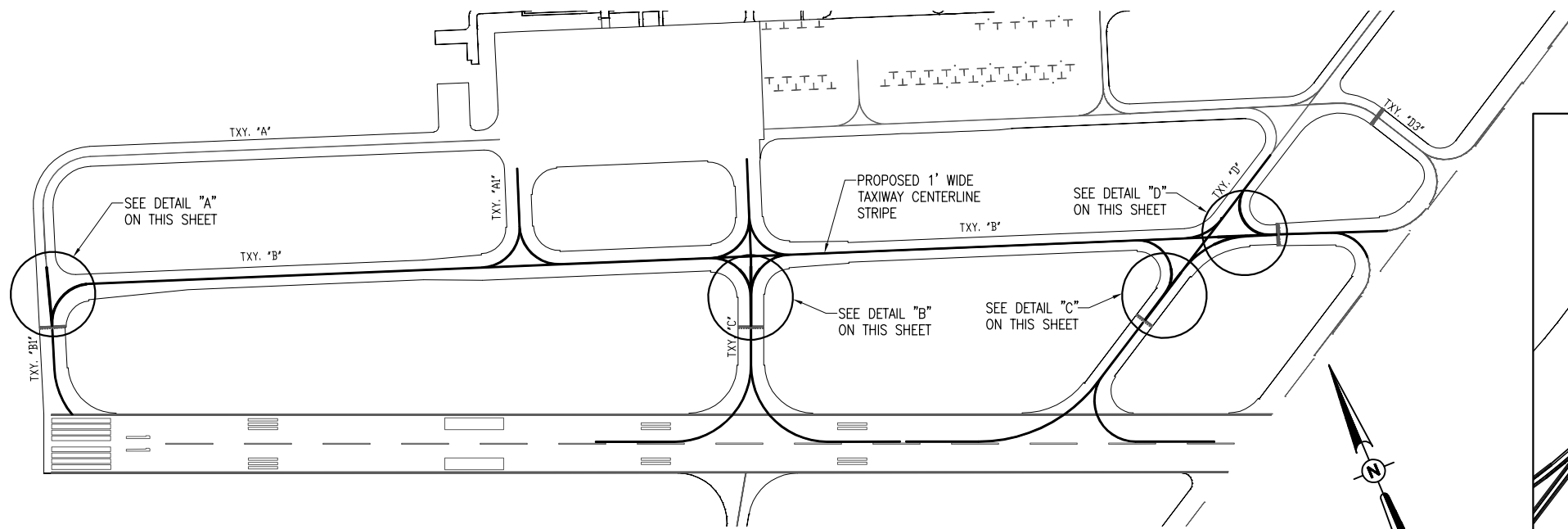
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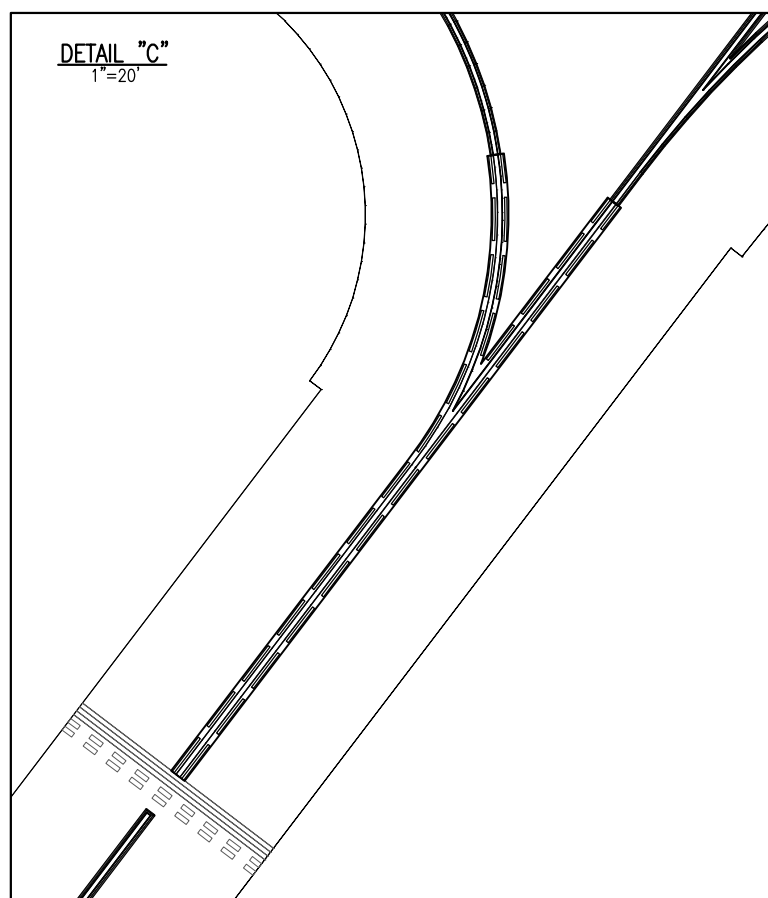
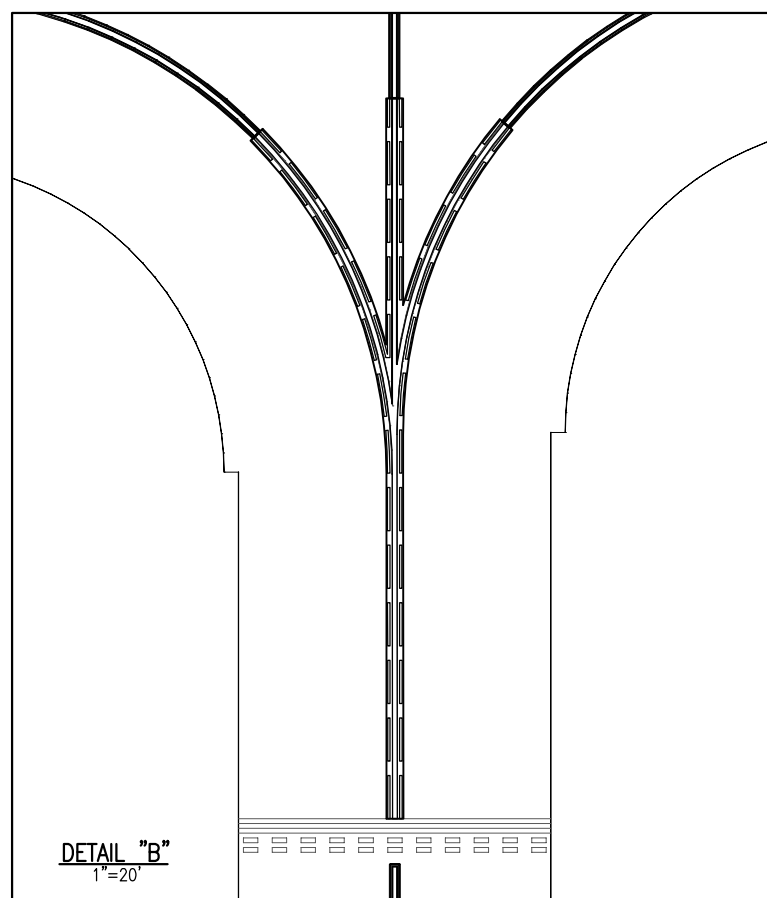
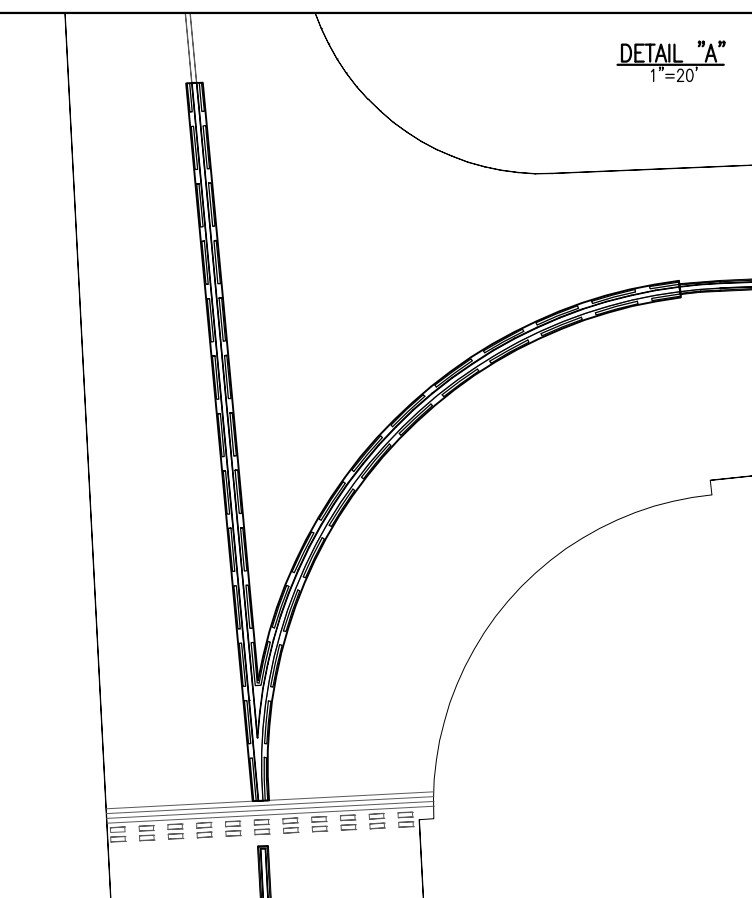
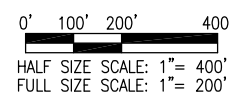
**PAVEMENT REPAIRS ON APRON AND TAXIWAY**

PROPOSED CONSTRUCTION  
PLAN EAST SIDE OF APRON



**PAVEMENT MARKING NOTE:**

ALL PROPOSED TAXIWAY PAVEMENT MARKING WILL BE YELLOW IN COLOR.  
 ALL PROPOSED TAXIWAY PAVEMENT MARKING WILL BE BORDERED WITH BLACK PAINT.  
 ALL PROPOSED TAXIWAY PAVEMENT MARKING WILL BE ACCOMPLISHED WITH WATERBORNE PAINT IN ACCORDANCE WITH ITEM 620.



**LEGEND**  
 EXISTING IMPROVEMENTS

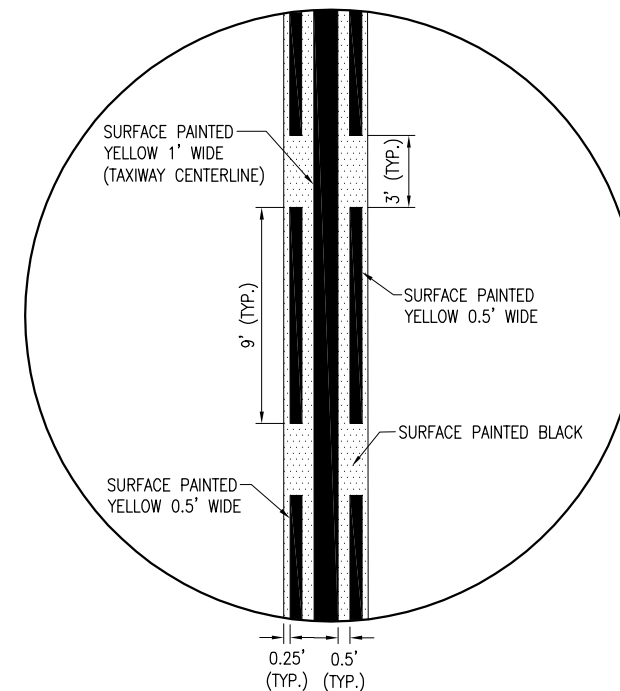
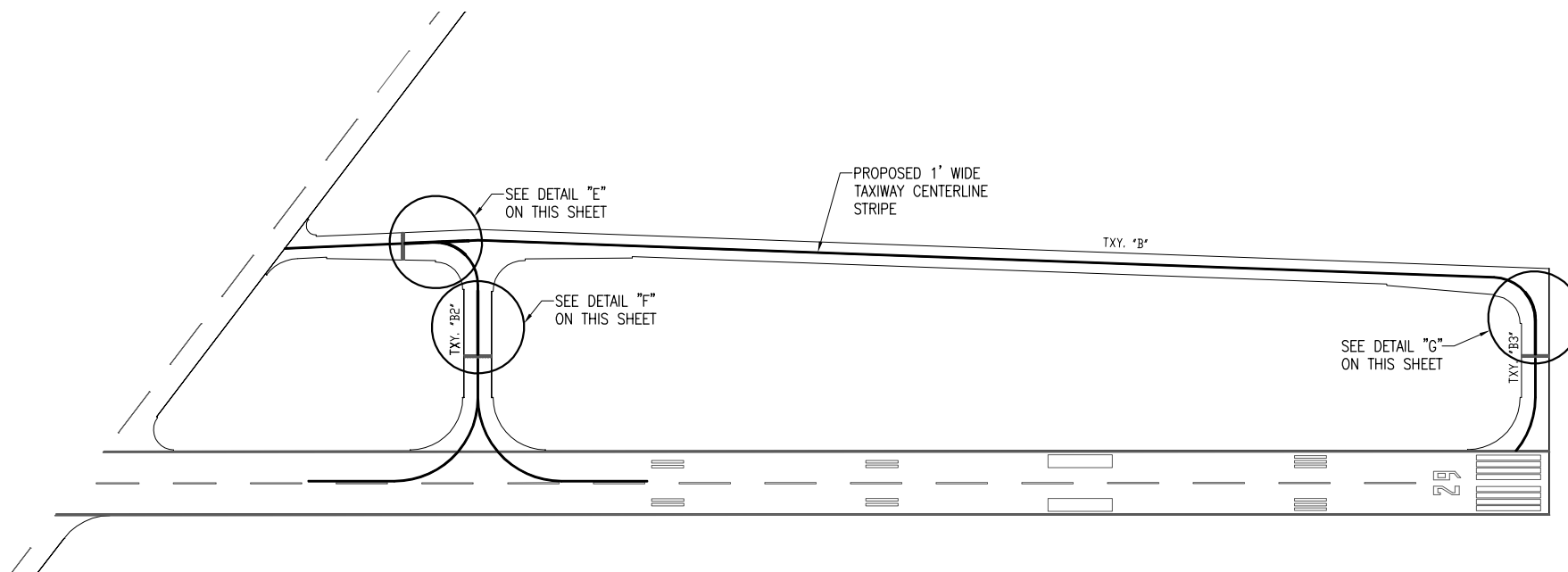
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**PAVEMENT REPAIRS ON APRON AND TAXIWAY**  
 PROPOSED MARKING  
 PLAN FROM TAXIWAY B1  
 TO RUNWAY 6-24



ENHANCED TAXIWAY MARKING DETAIL  
"NOT TO SCALE"

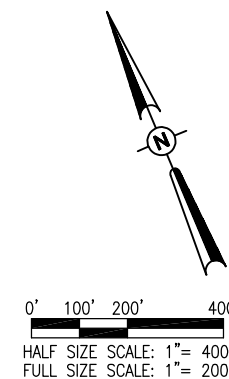
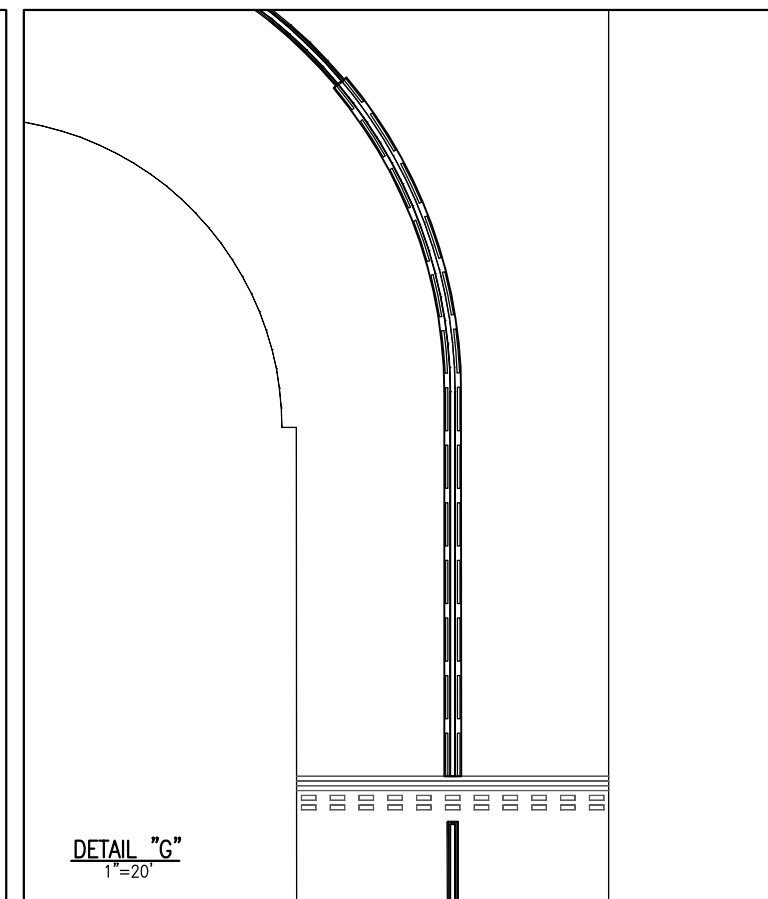
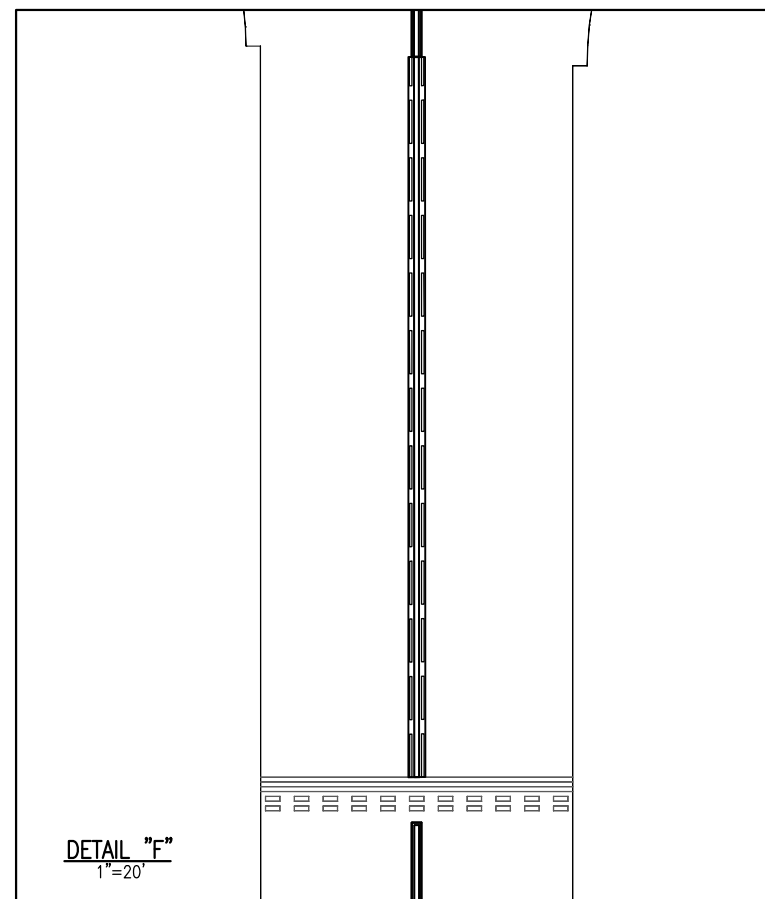
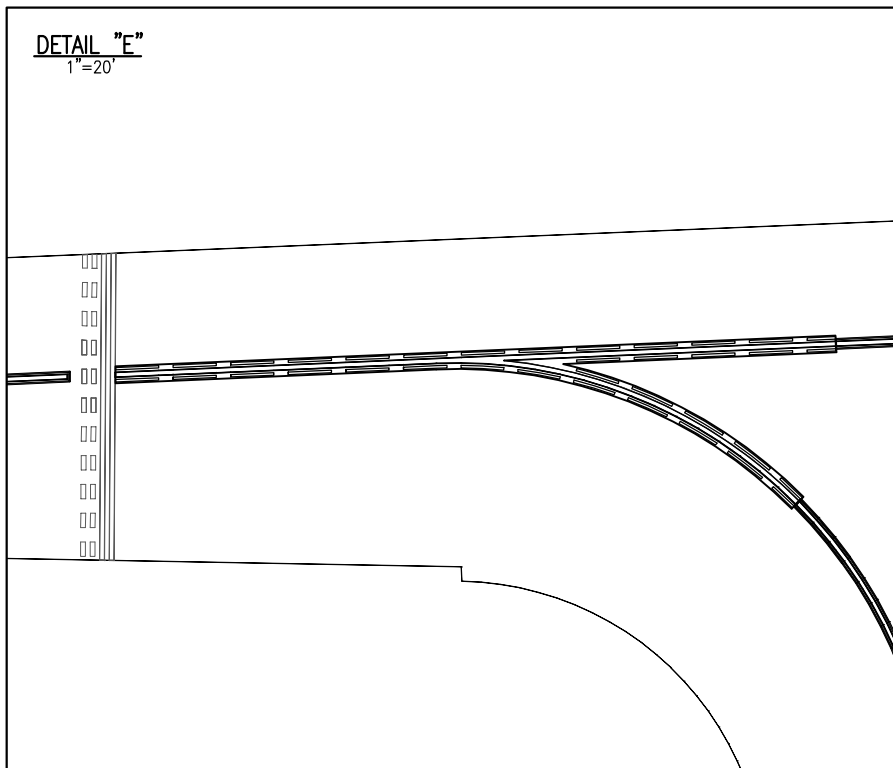
**ENHANCED MARKING NOTE:**

THE ENHANCED TAXIWAY MARKING WILL BE CONSTRUCTED TO THE DIMENSIONS AND COLORS AS SHOWN ON THE "ENHANCED TAXIWAY MARKING DETAIL" AS SHOWN ON THIS SHEET.

THE ENHANCED TAXIWAY MARKING WILL START AT THE EDGE OF THE ASSOCIATED HOLD LINE'S BLACK BORDER. THE ENHANCED MARKING WILL EXTEND FOR 150' FROM THIS POINT.

IN THE CASE WHERE THE TAXIWAY CENTERLINE FOLLOWS A RADIUS, THE ENHANCED MARKING WILL FOLLOW THE RADIUS AS SHOWN ON THE CORRESPONDING DETAILS. THE 150' WILL BE MEASURED ALONG THE CENTER OF THE TAXIWAY CENTER LINE AND WILL EXTEND FOR AN OVER ALL LENGTH OF 150'

QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	14,605	
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	14,742	



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PAVEMENT REPAIRS ON APRON AND TAXIWAY

PROPOSED MARKING PLAN FROM RUNWAY 6-24 TO TAXIWAY B3