

KANKAKEE VALLEY AIRPORT AUTHORITY

KANKAKEE, ILLINOIS

CONSTRUCTION PLANS FOR GREATER KANKAKEE AIRPORT

PHASE 1 - AIRFIELD PAVEMENT CRACK REPAIR

INDEX TO SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES/MISCELLANEOUS DETAILS
3. SITE PLAN
4. SEQUENCE OF CONSTRUCTION PER AC 150/5370-2F (LATEST EDITION)
5. SEQUENCE OF CONSTRUCTION GENERAL NOTES AND DETAILS

ILLINOIS PROJECT: IKK-4314
 S.B.G. PROJECT: 3-17-SBGP-111N

JUNE 5, 2015



Antonio R. Marin
 6-15-2015
 EXPIRES 11-30-2015



Know what's below.
 Call before you dig.

J.U.L.I.E.
 JOINT UTILITY LOCATING
 INFORMATION FOR EXCAVATORS
 www.illinois1call.com

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS, OBTAIN FROM 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 AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 811.

© Copyright CMT, Inc. 14075-03-00

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

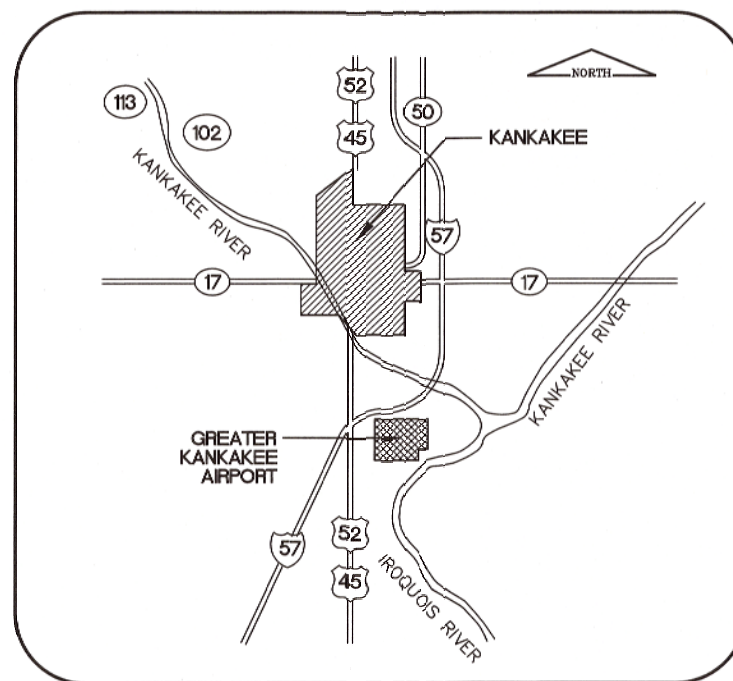
SUBMITTED BY *Antonio R. Marin*
 ANTONIO R. MARIN, P.E.

DATE *June 5, 2015*

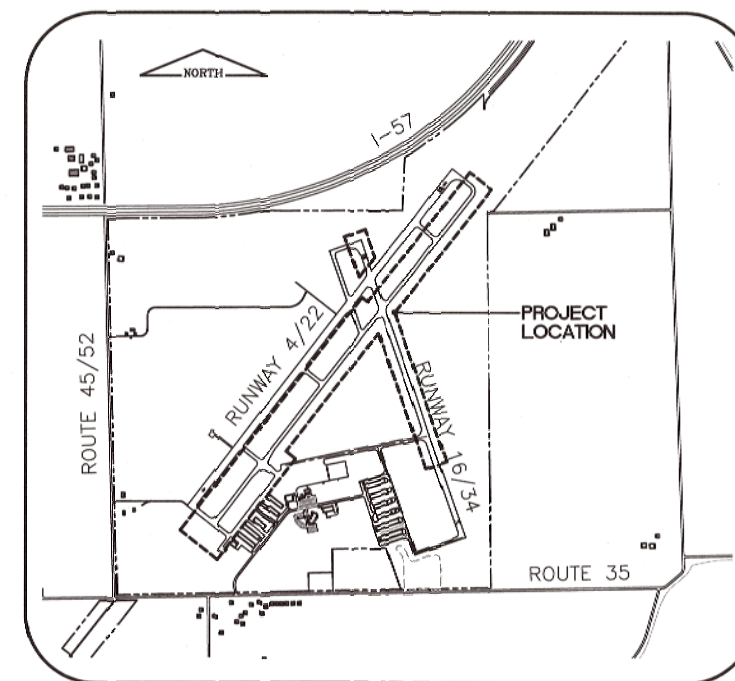
KANKAKEE VALLEY AIRPORT AUTHORITY

APPROVED *Victoria Ruble*
 VICTORIA RUBLE, AIRPORT MANAGER

DATE *June 5* 2015



SITE PLAN



LOCATION MAP

DESIGN INFORMATION

DESIGN AIRCRAFT APPROACH CATEGORY D
 DESIGN AIRCRAFT GROUP II

KANKAKEE VALLEY AIRPORT AUTHORITY
 GREATER KANKAKEE AIRPORT

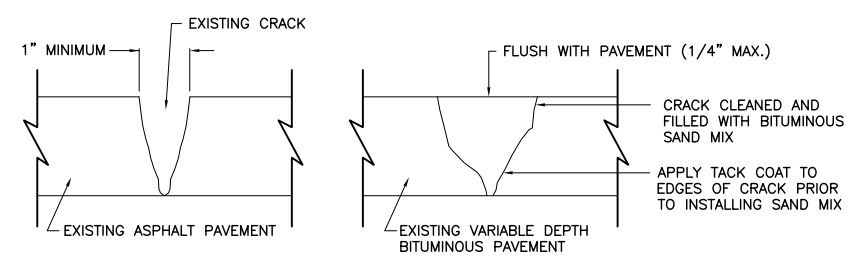
SECTION: 21 COUNTY: KANKAKEE
 RANGE: R 12 E TOWNSHIP: OTTO
 TOWNSHIP: T 30 N

UNICOM RADIO FREQUENCY - 123.0

DATE: Monday, July 6, 2015 3:43:06 PM
 FILE: K:\Kankakee\14075-03_CrackRepair\PH1\Drawn_Sheets\02_Qty&Details.dwg
 UPDATE BY: Ryan Drea
 LAYOUT: Layout1
 XREF DWG: to.dwg
 IMAGE FILES: Logo.png

SUMMARY OF QUANTITIES					
BASE BID					
ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY		
			FEDERAL / LOCAL	FEDERAL / STATE / LOCAL	TOTAL
* AR201661	CLEAN & SEAL BITUMINOUS CRACKS	LF	18,750		18,750
* AR201663	SAND MIX CRACK REPAIR	LF	2,000		2,000
AR401915	REM & REP BIT PAVEMENT - TYPE A	SY		100	100
AR401916	REM & REP BIT PAVEMENT - TYPE B	SY		160	160
ADDITIVE ALTERNATE NO. 1					
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY		
			FEDERAL / LOCAL	FEDERAL / STATE / LOCAL	TOTAL
* AS201661	CLEAN & SEAL BITUMINOUS CRACKS	LF	4,500		4,500
ADDITIVE ALTERNATE NO. 2					
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY		
			FEDERAL / LOCAL	FEDERAL / STATE / LOCAL	TOTAL
AT401916	REM & REP BIT PAVEMENT - TYPE B	SY		65	65

* DENOTES SPECIALTY ITEM

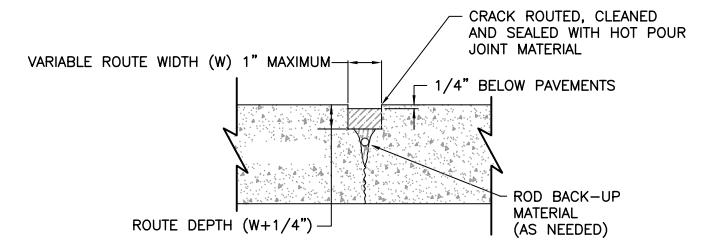


HMA SAND MIX CRACK REPAIR DETAIL

NOT TO SCALE

NOTES

- CRACKS TO BE FILLED WITH SAND MIX SHALL BE DESIGNATED BY THE RESIDENT ENGINEER.
- SAND MIX CRACK REPAIR SHALL BE USED ON ALL CRACKS GREATER THAN 1" WIDE OR AS DESIGNATED BY THE RESIDENT ENGINEER.
- CONTRACTOR SHALL ROUTE, CRACK PLOW AND REMOVE LOOSE FILLER, LOOSE AGGREGATE AND LAITANCE WITH COMPRESSED AIR AS SPECIFIED PRIOR TO SEALING

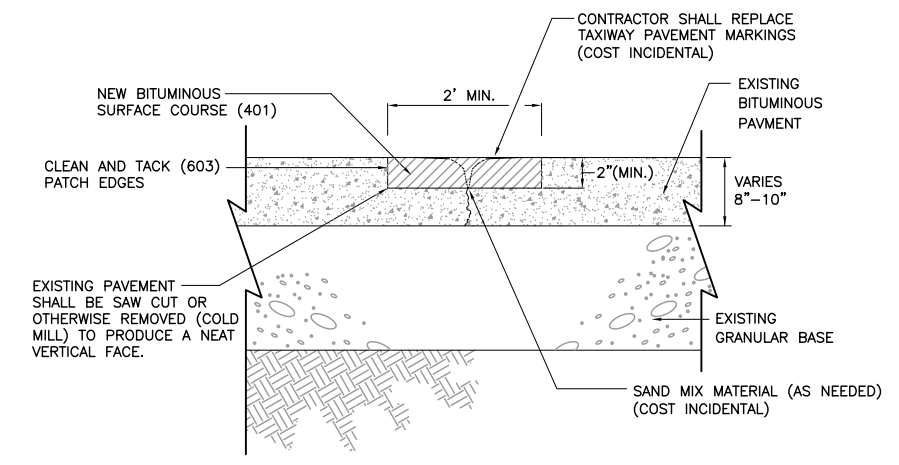


REPAIR METHOD - CRACK ROUTING AND SEALING

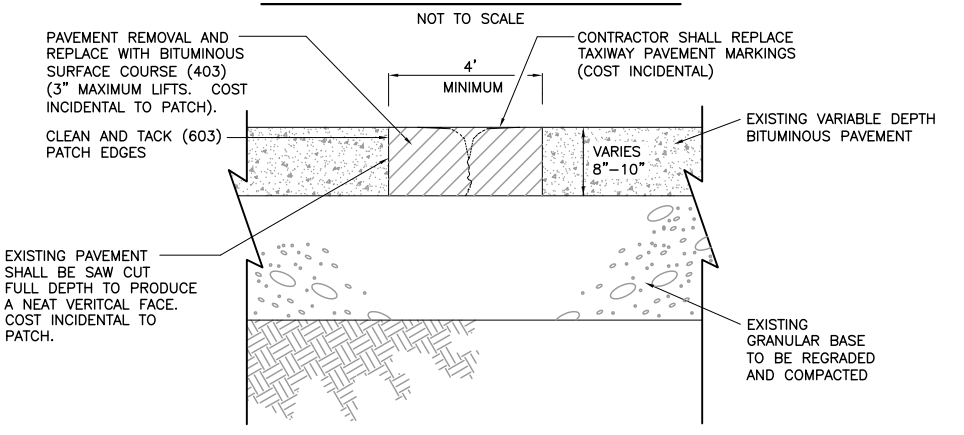
NOT TO SCALE

NOTES

- THE CRACK ROUTING DIMENSIONS SHALL PROVIDE A WIDTH TO DEPTH RATIO OF 1:1 FOR SEALANT MATERIAL FOR SEALANT MATERIAL.
- CRACKS TO BE ROUTED, CLEANED AND SEALED AT THE LOCATIONS DETERMINED BY THE ENGINEER.



REMOVE AND REPLACE BITUMINOUS PAVEMENT TYPE A

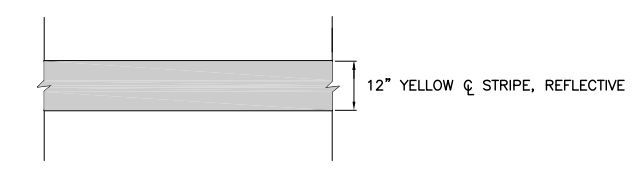


REMOVE AND REPLACE BITUMINOUS PAVEMENT - TYPE B

NOT TO SCALE

PAVEMENT REMOVAL AND REPLACEMENT NOTES

- DEPTHS OF EXISTING PAVEMENTS SECTIONS ARE APPROXIMATE BASED ON DATA SUPPLIED BY RECORDS, AIRPORT PERSONNEL, AND PAVEMENT CORES. THE CONTRACTOR SHALL VERIFY THE TYPE AND THICKNESS OF MATERIAL TO REMOVE. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY VARIATION IN THE PAVEMENT SECTIONS ACTUALLY ENCOUNTERED.
- PAVEMENT REMOVAL AND REPLACEMENT QUANTITIES ARE ESTIMATED. EXISTING MEDIUM TO HIGH SEVERITY TRANSVERSE CRACKS ARE SPACED AT VARIABLE INTERVALS. THE RESIDENT ENGINEER SHALL LAY OUT PAVEMENT REMOVAL AND REPLACEMENT AREAS IN THE FIELD DURING CONSTRUCTION.
- THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS REMOVED AS PART OF THE PAVEMENT REMOVAL AND REPLACEMENT. IT IS ESTIMATED THAT APPROXIMATELY 100 S.F. OF PAVEMENT MARKING WILL BE REPLACED. ALL COSTS TO REPLACE THE PAVEMENT MARKING SHALL BE INCIDENTAL TO THE RESPECTIVE PAVEMENT REMOVAL AND REPLACEMENT PAY ITEM. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR ANY VARIATION IN THE ACTUAL QUANTITY OF PAVEMENT MARKING REQUIRED.



TAXIWAY CENTERLINE DETAIL

NOT TO SCALE

NOTES

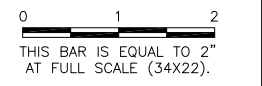
- CONTRACTOR SHALL REPLACE TAXIWAY CENTERLINE MARKING AT PAVEMENT REMOVAL AND REPLACEMENT LOCATIONS OR AS DIRECTED BY THE ENGINEER.
- COST SHALL BE INCIDENTAL TO THE PAVEMENT REMOVAL AND REPLACEMENT PAY ITEM.

IL. CONTRACT: **KA045**
 IL. LETTING ITEM: **15A**
 IL. PROJECT: **IKK-4314**
 S.B.G. PROJECT: **3-17-SPGP-111N**

SURVEY BOOK # BOOK #

REVISIONS

NUMBER	BY	DATE



**GREATER KANKAKEE AIRPORT
 KANKAKEE, ILLINOIS
 PHASE 1 - AIRFIELD PAVEMENT CRACK REPAIR**

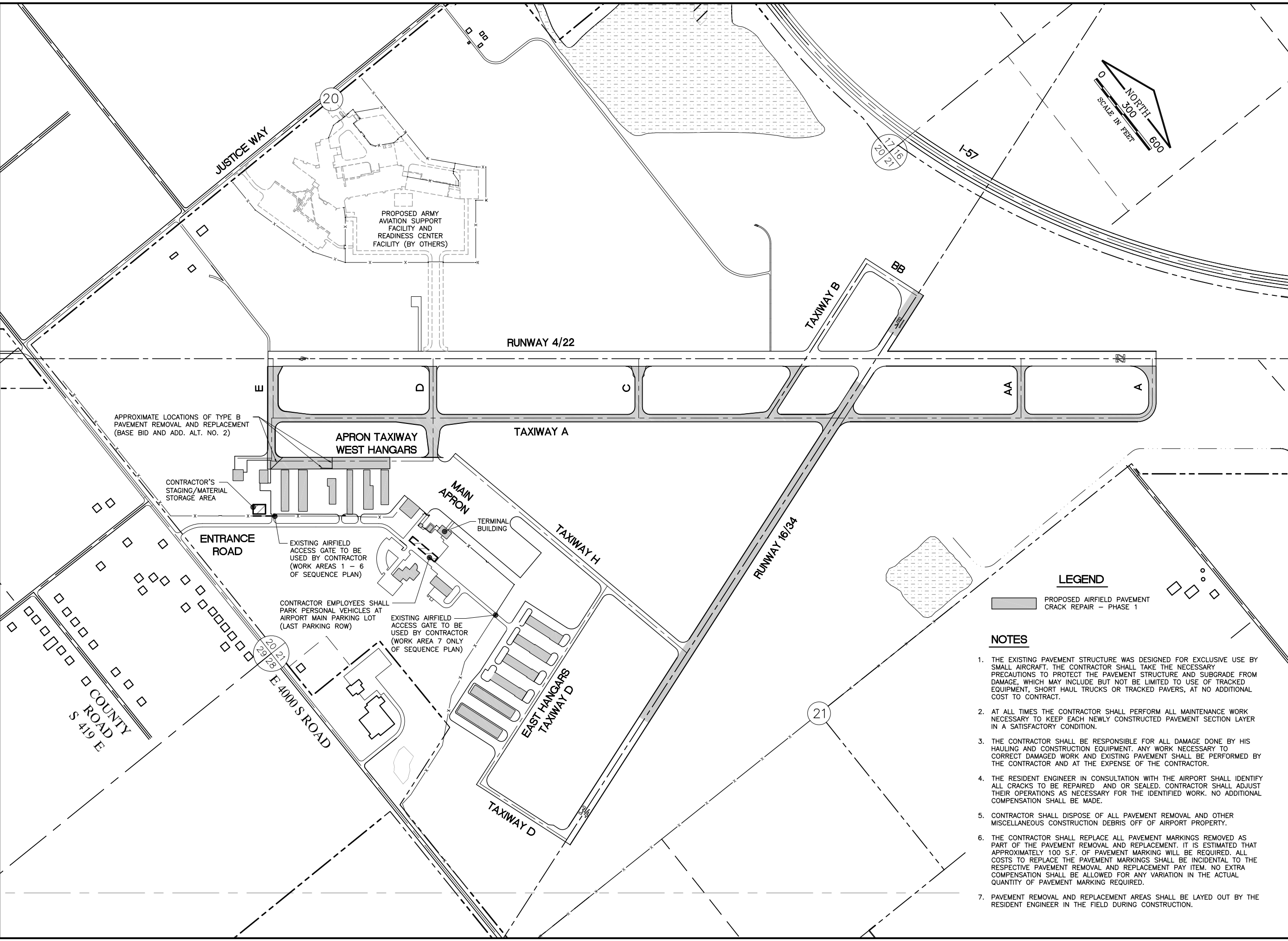
**SUMMARY OF QUANTITIES/
 MISCELLANEOUS DETAILS**

© Copyright CMT, Inc.
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613
KANKAKEE VALLEY AIRPORT AUTHORITY

DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	06/15/2015
JOB No:	14075-03

FINAL

DATE: Wednesday, July 1, 2015, 3:37:19 PM
 FILE: K:\Kankakee\14075-03_CrackRepair\PH1\Drawn_Sheets\03_SitePlan.dwg
 UPDATE BY: Jim Ohse
 LAYOUT: Layout1
 IMAGE FILES: Logo.png
 XREF DWG: To.dwg



IL. CONTRACT: **KA045**
 IL. LETTING ITEM: **15A**
 IL. PROJECT: **IKK-4314**
 S.B.G. PROJECT: **3-17-SPGP-111N**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

**GREATER KANKAKEE AIRPORT
 KANKAKEE, ILLINOIS
 PHASE 1 - AIRFIELD PAVEMENT CRACK REPAIR**

SITE PLAN

© Copyright CMT, Inc.

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

**KANKAKEE VALLEY
 AIRPORT AUTHORITY**

DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	06/15/2015
JOB No:	14075-03

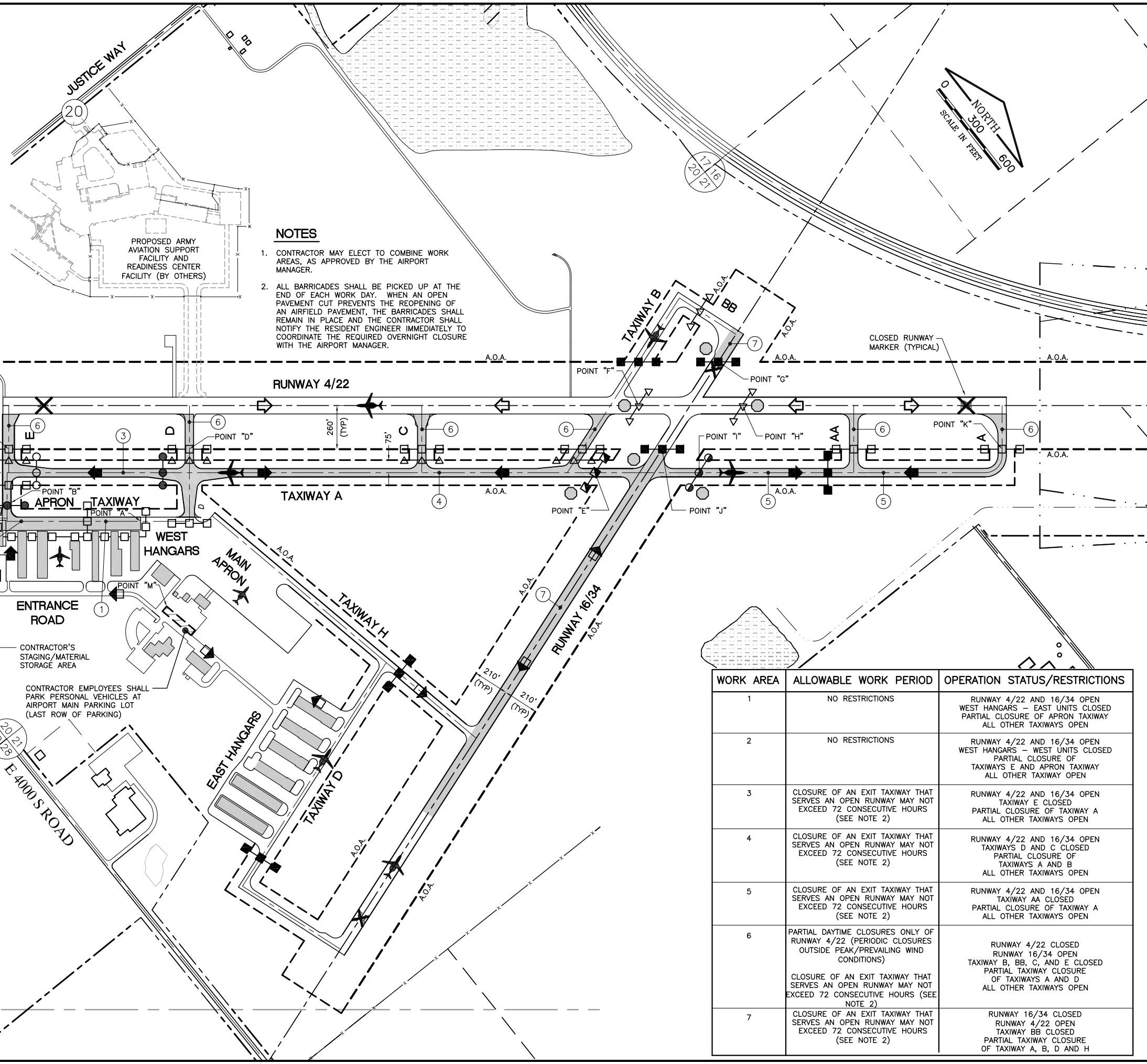
FINAL

SHEET 3 OF 5 SHEETS

DATE: Wednesday, July 1, 2015, 3:37:34 PM
 FILE: K:\Kankakee\14075-03_CrackRepairs\PH1\Draw_Sheets\04_Sequence of Construction.dwg
 UPDATE BY: Jim Ohse
 LAYOUT: Layout1
 IMAGE FILES: Logo.png
 XREF DWG: 14075-03.dwg

LEGEND

- NEW AIRFIELD PAVEMENT CRACK REPAIRS
- WORK AREA NUMBER
- CONTRACTOR'S HAUL ROUTE
- CONTRACTOR'S HAUL ROUTE - PHASE 6 ONLY
- CONTRACTOR'S HAUL ROUTE - PHASE 7 ONLY
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - AREAS 1, 2, 3, 4 AND 5
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - PHASE 4 ONLY
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - AREA 6 ONLY
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - AREA 3
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - AREAS 5 AND 6
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - AREA 7 ONLY
- TEMPORARY IDOT TYPE 2 BARRICADE OR DRUM WITH RED FLASHING LIGHT - AREAS 4 AND 7
- AIRCRAFT MOVEMENT AREA
- STOP SIGN
- AIRCRAFT OPERATIONS AREA (A.O.A.)



NOTES

1. CONTRACTOR MAY ELECT TO COMBINE WORK AREAS, AS APPROVED BY THE AIRPORT MANAGER.
2. ALL BARRICADES SHALL BE PICKED UP AT THE END OF EACH WORK DAY. WHEN AN OPEN PAVEMENT CUT PREVENTS THE REOPENING OF AN AIRFIELD PAVEMENT, THE BARRICADES SHALL REMAIN IN PLACE AND THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY TO COORDINATE THE REQUIRED OVERNIGHT CLOSURE WITH THE AIRPORT MANAGER.

SUGGESTED SEQUENCE OF CONSTRUCTION

- NOTIFY RESIDENT ENGINEER/AIRPORT MANAGER A MINIMUM OF 14 DAYS PRIOR TO START OF CONSTRUCTION TO ISSUE APPROPRIATE NOTAMS.
- REVIEW CRACKS IDENTIFIED FOR REPAIR BY RESIDENT ENGINEER.
- WORK AREAS 1 THRU 7
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT REQUIRED PAVEMENT CLOSURES FOR WORK AREAS
 - PLACE BARRICADES
 - REPLACE PAVEMENT AND REPAIR CRACKS WITHIN WORK AREA
 - COORDINATE PAVEMENT CLOSURES WITH RESIDENT ENGINEER AND AIRPORT FOR NEXT WORK AREA.
 - CLEAN PAVEMENTS AND REMOVE MISCELLANEOUS DEBRIS FROM WORK AREA.
 - RELOCATE BARRICADES FOR NEXT WORK AREA.
- INSTALL PAVEMENT MARKINGS.
- RESTORE STAGING AREAS

WORK AREA	ALLOWABLE WORK PERIOD	OPERATION STATUS/RESTRICTIONS
1	NO RESTRICTIONS	RUNWAY 4/22 AND 16/34 OPEN WEST HANGARS - EAST UNITS CLOSED PARTIAL CLOSURE OF APRON TAXIWAY ALL OTHER TAXIWAYS OPEN
2	NO RESTRICTIONS	RUNWAY 4/22 AND 16/34 OPEN WEST HANGARS - WEST UNITS CLOSED PARTIAL CLOSURE OF TAXIWAYS E AND APRON TAXIWAY ALL OTHER TAXIWAY OPEN
3	CLOSURE OF AN EXIT TAXIWAY THAT SERVES AN OPEN RUNWAY MAY NOT EXCEED 72 CONSECUTIVE HOURS (SEE NOTE 2)	RUNWAY 4/22 AND 16/34 OPEN TAXIWAY E CLOSED PARTIAL CLOSURE OF TAXIWAYS A AND B ALL OTHER TAXIWAYS OPEN
4	CLOSURE OF AN EXIT TAXIWAY THAT SERVES AN OPEN RUNWAY MAY NOT EXCEED 72 CONSECUTIVE HOURS (SEE NOTE 2)	RUNWAY 4/22 AND 16/34 OPEN TAXIWAYS D AND C CLOSED PARTIAL CLOSURE OF TAXIWAYS A AND B ALL OTHER TAXIWAYS OPEN
5	CLOSURE OF AN EXIT TAXIWAY THAT SERVES AN OPEN RUNWAY MAY NOT EXCEED 72 CONSECUTIVE HOURS (SEE NOTE 2)	RUNWAY 4/22 AND 16/34 OPEN TAXIWAY AA CLOSED PARTIAL CLOSURE OF TAXIWAY A ALL OTHER TAXIWAYS OPEN
6	PARTIAL DAYTIME CLOSURES ONLY OF RUNWAY 4/22 (PERIODIC CLOSURES OUTSIDE PEAK/PREVAILING WIND CONDITIONS) CLOSURE OF AN EXIT TAXIWAY THAT SERVES AN OPEN RUNWAY MAY NOT EXCEED 72 CONSECUTIVE HOURS (SEE NOTE 2)	RUNWAY 4/22 CLOSED RUNWAY 16/34 OPEN TAXIWAY B, BB, C, AND E CLOSED PARTIAL TAXIWAY CLOSURE OF TAXIWAYS A AND D ALL OTHER TAXIWAYS OPEN
7	CLOSURE OF AN EXIT TAXIWAY THAT SERVES AN OPEN RUNWAY MAY NOT EXCEED 72 CONSECUTIVE HOURS (SEE NOTE 2)	RUNWAY 16/34 CLOSED RUNWAY 4/22 OPEN TAXIWAY BB CLOSED PARTIAL TAXIWAY CLOSURE OF TAXIWAY A, B, D AND H

IL. CONTRACT: **KA045**
 IL. LETTING ITEM: **15A**
 IL. PROJECT: **IKK-4314**
 S.B.G. PROJECT: **3-17-SPGP-111N**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

**GREATER KANKAKEE AIRPORT
KANKAKEE, ILLINOIS**
PHASE 1 - AIRFIELD PAVEMENT CRACK REPAIR
**SEQUENCE OF CONSTRUCTION
PER AC/150-5370-2F (LATEST EDITION)**

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY: ARM
 DRAWN BY: JRO
 CHECKED BY: DKP
 APPROVED BY: ARM
 DATE: 06/15/2015
 JOB No: 14075-03

FINAL

DATE: Wednesday, July 1, 2015, 3:37:49 PM
 FILE: K:\Kankakee\14075-03_GreaterKankakeePH1\Draw_Sheets\05_Sequence_Notes.dwg
 UPDATE BY: Jim Ohse
 LAYOUT: Layout1
 IMAGE FILES: Logo.png
 XREF DWG: To.dwg

GENERAL NOTES

- THE SUGGESTED SEQUENCE OF CONSTRUCTION SHOWN IS INTENDED TO ALLOW FOR THE ORDERLY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WHILE MAINTAINING AIRCRAFT ACCESS AT ALL TIMES. THE PHASING SHOWN IS A SUGGESTED SEQUENCE OF CONSTRUCTION ONLY. THIS SEQUENCE MAY BE MODIFIED HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE AIRPORT MANAGER AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVIATION ADMINISTRATION.
- ALL OPERATIONS SHALL BE IN CONFORMANCE WITH AC 150/5370-2F (LATEST EDITION) **OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION**.
- CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE/STAGING AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- THE AIRPORT MANAGER IN CONSULTATION WITH THE RESIDENT ENGINEER SHALL HAVE FINAL SAY IN THE APPROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES TO PEDESTRIAN, VEHICULAR AND AIRCRAFT SAFETY.
- ALL EXISTING PAVEMENTS, DRIVES OR ANY OTHER AREAS USED AS A HAUL ROAD OR STORAGE AREA BY THE CONTRACTOR SHALL BE RESTORED IN KIND TO THEIR PRE-CONSTRUCTION CONDITION OR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER. THE COST OF MAINTAINING, REPAIRING OR CONSTRUCTING THESE PAVEMENTS AND AREAS SHALL BE INCIDENTAL TO THE CONTRACT. EXISTING AREAS OUTSIDE THE PROJECT LIMITS WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT MANAGER.
- THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING TAXIWAYS, APRONS AND RUNWAYS OUTSIDE OF THE PROJECT LIMITS EXCEPT AS SHOWN OR WITH THE PRIOR PERMISSION OF THE RESIDENT ENGINEER.
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE RESIDENT ENGINEER AND SHALL NOT BE USED IF THEY AFFECT FLIGHT SAFETY. CONTRACTOR'S WORK HOURS SHALL BE IN ACCORDANCE WITH LOCAL ORDINANCES.
- THE CONTRACTOR SHALL PROVIDE PORTABLE FLOOD LIGHTING FOR NIGHTTIME CONSTRUCTION. SUFFICIENT UNITS SHALL BE PROVIDED SO THAT WORK AREAS ARE ILLUMINATED TO A LEVEL OF FIVE HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY. LIGHTS SHALL BE POSITIONED SO AS NOT TO INTERFERE WITH AIRPORT OPERATIONS.
- THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TRACKED ON TO THE PAVEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER. THIS SWEEPING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- MATERIALS REMOVED FROM THE PROJECT WILL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS NOTED OTHERWISE.
- PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, RUNWAY CLOSED MARKERS, AIR OPERATIONS AREA (A.O.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. BARRICADES WITH TWO ORANGE FLAGS (20" x 20") ON EACH BARRICADE SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. BARRICADES SHALL BE WEIGHTED TO PREVENT BLOWING OVER. BARRICADES SHALL HAVE A STEADY BURN OR FLASHING RED LIGHT. BARRICADE INSTALLATION WILL BE REQUIRED PRIOR TO ACCESS TO THE A.O.A. BY CONTRACTOR'S WORKERS, EQUIPMENT OR MATERIAL. SIGNS SHALL BE PLACED AT EACH TAXIWAY/RUNWAY CLOSURE LOCATION AND SHALL BE ATTACHED TO THE BARRICADES. EACH BARRICADE LOCATION SHALL CONSIST OF ONE "DO NOT ENTER" SIGN AND ONE "AIRCRAFT MOVEMENT AREA" SIGN. SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL SUPPLY AND USE AS DIRECTED BY THE AIRPORT, REFLECTIVE LOW PROFILE TYPE BARRICADES. ALL BARRICADES SHALL BE PLACED OUTSIDE OF ACTIVE SAFETY AREAS.
- THE CONTRACTOR SHALL CONTACT THE AIRPORT MANAGER THROUGH THE RESIDENT ENGINEER FOURTEEN (14) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY BE ISSUED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED DURING NON WORKING HOURS. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "AUTHORIZED PERSONNEL ONLY". THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD, ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL COST RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR WILL BE REQUIRED TO PUT AIRPORT FLAGS AND HAVE BEACON LIGHTS ON ALL EQUIPMENT AT ALL TIMES DURING CONSTRUCTION. SEE FLAG DETAIL.
- IN THE CASE OF AN EMERGENCY, CONTRACTOR SHALL NOTIFY AIRPORT MANAGER AND THE RESIDENT ENGINEER IMMEDIATELY.
- DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK.
- THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO BE AN ASPHALT/STONE TRUCK WHICH HAS A MAXIMUM HEIGHT OF 25 FEET IN A DUMP POSITION.
- IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION THEN CONTRACTOR SHALL PLACE CLOSED RUNWAY MARKER OVER NUMERALS AS DETAILED, OTHERWISE PLACE RUNWAY CLOSED MARKER IN TURF AT ENDS OF RUNWAY AS DETAILED.
- THE AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE AIRPORT IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
- APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT AND THE PHASING PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE WORK. ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.
- MOBILIZATION/EQUIPMENT STORAGE AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS. THIS AREA SHALL BE RESTORED TO THE ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT THE CONTRACTOR'S EXPENSE.

- LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF DAMAGED CABLE MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, OR AS DIRECTED BY THE OWNER OF THE CABLE OR FACILITY, AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE FROM PREVIOUS EXISTING TERMINATION POINT TO NEXT EXISTING TERMINATION POINT IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF A FAA REPRESENTATIVE. THE OWNER MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.
- COORDINATION MEETINGS - THE CONTRACTOR SHALL CONDUCT WEEKLY COORDINATION MEETINGS TO DISCUSS WORK AREAS AND SCHEDULING, ETC. WITH THE RESIDENT ENGINEER, AIRPORT OPERATIONS, FAA, AND OTHER APPROPRIATE OFFICIALS. MINUTES FROM THE WEEKLY MEETINGS SHALL BE PREPARED BY THE CONTRACTOR, FURNISHED TO ALL ATTENDEES PRIOR TO THE SUBSEQUENT MEETING, AND KEPT ON FILE AT THE FIELD OFFICE. THE COORDINATION MEETING COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
- DRAINAGE MODIFICATIONS SHALL BE SEQUENCED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES AT NO ADDITIONAL COST TO THE CONTRACT.
- CONTRACTOR PERSONNEL, VEHICLES, EQUIPMENT AND BARRICADES SHALL NOT BE ALLOWED WITHIN THE TAXIWAY / TAXILANE OBJECT FREE AREA (TOFA) OF ACTIVE TAXIWAYS / TAXILANES AND THE RUNWAY'S AIRCRAFT OPERATIONS AREA.
- CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A MANNER AS NOT TO VIOLATE FEDERAL AVIATION ADMINISTRATION PART 77 IMAGINARY SURFACES OR RUNWAY AND TAXIWAY SAFETY AREAS.
- ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER ELECTRICAL CABLES SHALL REMAIN IN SERVICE AT ALL TIMES. ALL EXISTING LIGHTING AND VAULT EQUIPMENT SHALL REMAIN IN SERVICE UNTIL PROPOSED IMPROVEMENTS ARE INSTALLED AND OPERATIONAL UNLESS OTHERWISE APPROVED BY THE RESIDENT ENGINEER. ANY CABLES DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED AT HIS EXPENSE. ANY NECESSARY TEMPORARY JUMPER CABLES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED. CONTRACTOR IS REFERRED TO SECTION 50-17 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAVE BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER OR THE DESIGN ENGINEER ASSUME 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 MATERIAL OF EXISTING UNDERGROUND UTILITIES AS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING 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 COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE RESIDENT ENGINEER AND THE AIRPORT MANAGER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER.
- ALL AIRFIELD LIGHTING AND LIGHTING GUIDANCE SYSTEMS (NAVAIDS) LOCATED WITHIN AND IMMEDIATELY ADJACENT TO THE CONTRACTOR'S WORK ZONE SHALL BE CHECKED FOR OPERATIONAL CONDITION PRIOR TO THE DEPARTURE FROM THE AIRPORT WITH THE AIRPORT MANAGER. ANY DEFICIENCIES IN THESE SYSTEMS DUE TO THE ACTS OF CONTRACTOR OR HIS SUBCONTRACTORS, SUPPLIERS OR CONSULTANTS SHALL BE REPAIRED IMMEDIATELY.

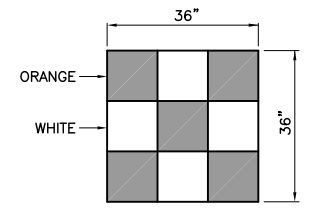
BARRICADE NOTES

- FLASHER OR STEADY BURN LIGHTS SHALL BE BATTERY OR SOLAR POWER OPERATED. LENS SHALL BE RED AND BE ABLE TO ROTATE 90°.
- FACING OF BARRICADE SHALL BE COVERED WITH REFLECTIVE TAPE OR PAINT.
- BARRICADES TO BE PLACED WITH A MAXIMUM OF 10' SPACING CENTER TO CENTER BETWEEN RED LIGHTS ALONG OPERATIONAL PAVEMENT ADJACENT TO CONSTRUCTION AS DIRECTED BY THE RESIDENT ENGINEER. ALTERNATE FLASHER OR STEADY BURN LENSES SO THAT EVERY OTHER LENS IS ROTATED 90°.
- FLASHER OR STEADY BURN LIGHTS SHALL BE SECURED TO THE BARRICADES, AS APPROVED BY THE RESIDENT ENGINEER.

DESIGN AIRCRAFT APPROACH CATEGORY: B
 DESIGN AIRPORT GROUP: II
 RUNWAY 4/22 SAFETY AREA WIDTH: 500'
 RUNWAY 16/34 SAFETY AREA WIDTH: 150'
 TAXIWAY CENTERLINE TO OBJECT SEPARATION: 65.5'
 TAXILANE CENTERLINE TO OBJECT SEPARATION: 57.5'

MAXIMUM ANTICIPATED HEIGHT OF EQUIPMENT - 25'

POINT	NEAREST ACTIVE RUNWAY	LATITUDE	LONGITUDE	ELEVATION
A	RUNWAY 4/22	41°03'59.40"	86°51'03.60"	621
B	RUNWAY 4/22	41°03'53.28"	87°51'11.16"	621
C	RUNWAY 4/22	41°03'55.44"	87°51'14.76"	623
D	RUNWAY 4/22	41°04'03.72"	87°51'05.76"	622
E	RUNWAY 16/34	41°04'22.08"	87°50'44.52"	621
F	RUNWAY 16/34	41°04'27.84"	87°50'46.32"	621
G	RUNWAY 16/34	41°04'31.44"	87°50'45.60"	621
H	RUNWAY 16/34	41°04'30.36"	87°50'42.36"	621
I	RUNWAY 16/34	41°04'26.04"	87°50'40.20"	620
J	RUNWAY 4/22	41°04'25.68"	87°50'43.08"	621
K	RUNWAY 4/22	41°04'41.52"	87°50'26.52"	629
L	RUNWAY 4/22	41°03'50.13"	87°51'08.25"	620
M	RUNWAY 4/22	41°03'57.08"	87°50'57.65"	621



CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG
NOT TO SCALE

CONTRACTOR SHALL PLAN AND PERFORM HIS WORK SO AS NOT TO INTERFERE OR HINDER THE PROGRESS, WORK OR HAUL ROAD ACCESS OF OTHER CONTRACTORS (SEE STANDARD SPECIFICATIONS SECTION 50-05). THE PRIME CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE CONSTRUCTION ACTIVITIES AND ACCESS BETWEEN ALL ON-SITE CONTRACTORS SUBCONTRACTORS.

CONTRACTOR CROSSING RUNWAY/TAXIWAY/TAXILANE/APRON AIR OPERATIONS AREA (A.O.A.)

- ANYTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE, A FULL TIME CROSSING GUARD IN RADIO CONTACT WITH AIR TRAFFIC SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES AND DEMONSTRATE KNOWLEDGE OF SAME TO THE AIRPORT. THE AIRPORT RESERVES THE RIGHT TO APPROVE THE CROSSING GUARDS. THE CONTRACTOR SHALL PROVIDE THEIR OWN RADIOS. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF MUNICIPAL FINES (\$500 PER OCCURRENCE) DUE TO AIRFIELD INCURSIONS BY HIS EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, CONSULTANTS AND/OR AGENTS.
- ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER AT NO ADDITIONAL COST TO THE OWNER. PAVEMENT SHALL BE CONTINUALLY SWEEPED TO PROVIDE DEBRIS FREE SURFACE DURING ALL HAUL ROAD OPERATIONS. THIS COST SHALL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE MEN AND EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT MANAGER TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.

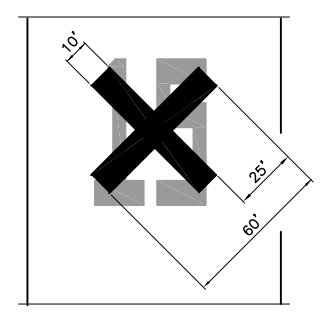
LIMITATIONS ON CONSTRUCTION WITHIN RUNWAY'S AIRCRAFT OPERATIONS AREA (AOA) AND TAXIWAY/TAXILANE OBJECT FREE AREA (TOFA)

RUNWAYS:

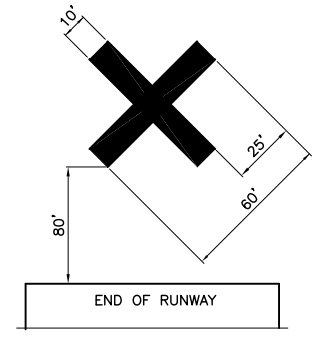
THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT MANAGER TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. WORK SHALL BE EXPEDITED IN THESE AREAS AND AT THE END OF EACH WORKING DAY THESE AREAS SHALL BE SMOOTHLY GRADED TO ALLOW THE RUNWAY TO BE REOPENED. AT LEAST ONE OF THE RUNWAYS SHALL REMAIN IN OPERATION AT ALL TIMES. IF NECESSARY STEEL PLATES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR TO COVER ANY OPEN TRENCHES OR EXCAVATION WITHIN THE RSA IF DURING RUNWAY CLOSURE AN EMERGENCY IS DECLARED, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY OF ALL VEHICLES, MEN AND EQUIPMENT. REFERENCE TABLE ON PREVIOUS SHEET FOR SAFETY AREA WIDTHS.

TAXIWAYS / TAXILANES:

ANY WORK WITHIN TAXIWAY / TAXILANE OBJECT FREE AREA (TOFA) WILL REQUIRE A TAXIWAY / TAXILANE CLOSURE. WORK WITHIN THE TOFA SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE TOFA. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT MANAGER FIVE (5) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. REFERENCE TABLE ON PREVIOUS SHEET FOR OBJECT FREE AREA WIDTHS. NO DROP-OFFS OR OPEN EXCAVATIONS WILL BE ALLOWED WITHIN THE TAXIWAY / TAXILANE SAFETY AREAS OF OPEN TAXIWAYS / TAXILANES.



ON PAVEMENT TEMPORARY CLOSED RUNWAY MARKER DETAIL
NOT TO SCALE



OFF PAVEMENT TEMPORARY CLOSED RUNWAY MARKER DETAIL
NOT TO SCALE

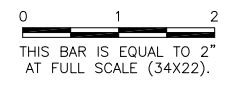
CLOSED RUNWAY MARKER DETAIL NOTES

- CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- MARKERS SHALL BE MATERIAL APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
- MARKERS ON PAVEMENT SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS AS SHOWN.
- COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- DURING VARIOUS PHASES OF WORK, IT WILL BE NECESSARY TO CLOSE RUNWAYS TO AIR TRAFFIC ON A TEMPORARY BASIS AS COORDINATED WITH THE AIRPORT AND TOWER PERSONNEL. THE CONTRACTOR SHALL MARK THE RUNWAYS TO BE CLOSED BY PLACING A YELLOW CROSS AT THE LOCATION AND DIMENSIONS DETAILED ON THIS SHEET. THE CROSSES ARE SHOWN ON THE RESPECTIVE RUNWAYS ACCORDING TO THE VARIOUS PHASES OF WORK AS DELINEATED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION.

IL. CONTRACT: **KA045**
 IL. LETTING ITEM: **15A**
 IL. PROJECT: **IKK-4314**
 S.B.G. PROJECT: **3-17-SPGP-111N**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE



**GREATER KANKAKEE AIRPORT
 KANKAKEE, ILLINOIS
 PHASE 1 - AIRFIELD PAVEMENT CRACK REPAIR**

**SEQUENCE OF CONSTRUCTION
 NOTES AND DETAILS**

© Copyright CMT, Inc.
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613
KANKAKEE VALLEY AIRPORT AUTHORITY

DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	DKP
APPROVED BY:	ARM
DATE:	06/15/2015
JOB No:	14075-03

FINAL