

CONSTRUCTION PLANS - ISSUED JANUARY 12, 2018

RECONSTRUCT A PORTION OF THE
AIRPORT ENTRANCE ROAD UP TO THE
AIRPORT PROPERTY LINE

MT. CARMEL MUNICIPAL AIRPORT
ST. FRANCISVILLE, LAWRENCE COUNTY, ILLINOIS

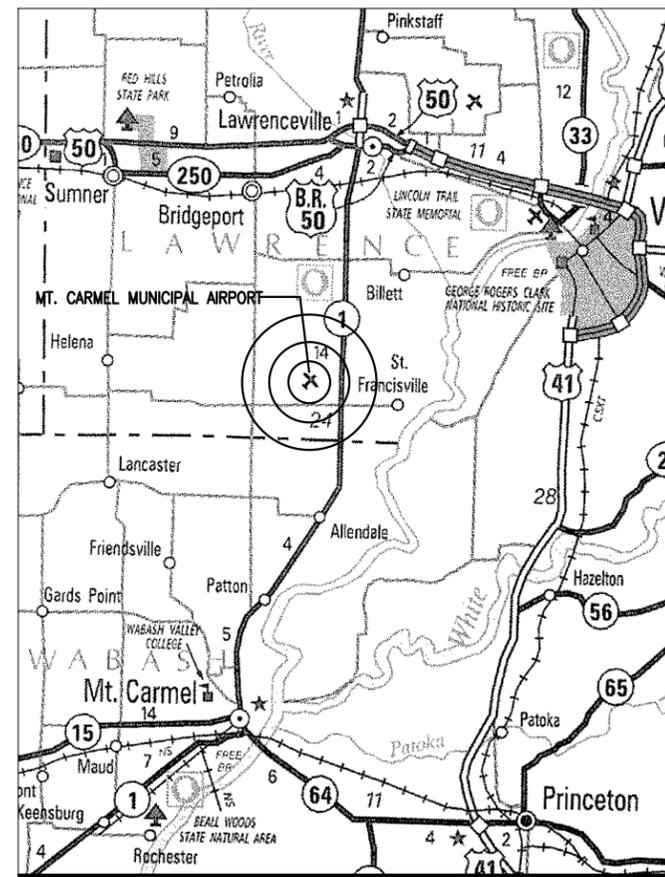
IDA PROJECT NO. AJG-4621

SCOPE OF WORK

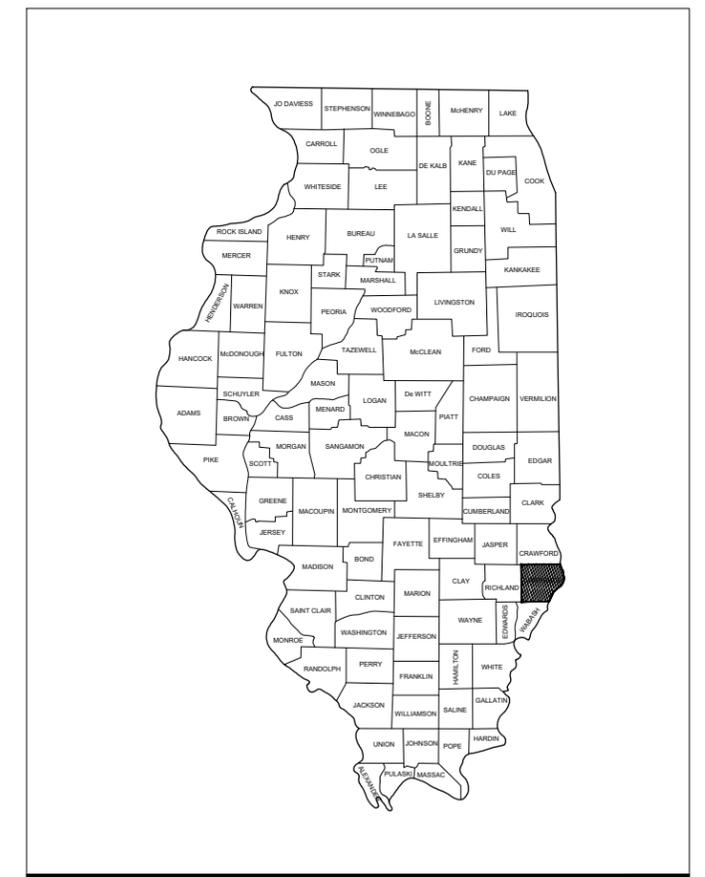
THIS PROJECT CONSISTS OF REHABILITATION / RECONSTRUCTION OF A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO THE AIRPORT PROPERTY LINE. THIS PROJECT INCLUDES PATCHING, PAVEMENT WIDENING, BITUMINOUS PLACEMENT AND ASSOCIATED ITEMS.

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

No.	Issue/Description	Sheets Changed	Date	By

FILENAME:LONG

Barry S. Stolz P.E.
 Project Engineer

HANSON
 HANSON PROFESSIONAL SERVICES INC.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Telephone: 217-788-2503

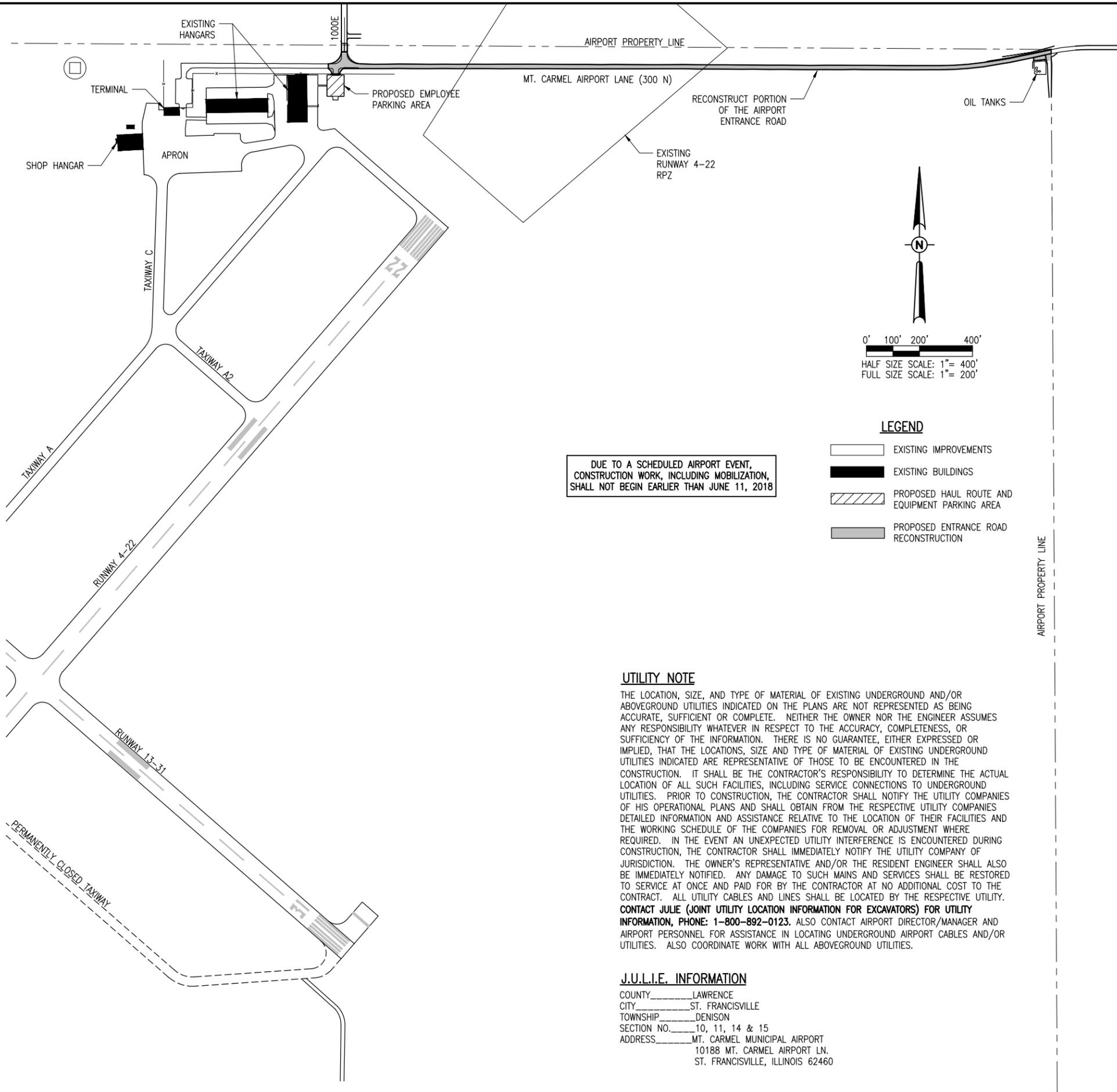
THE CITY OF
Mount Carmel
 MT. CARMEL MUNICIPAL AIRPORT

Chad Hill
 Airport Manager

1-10-18
 Date

GENERAL NOTES

1. 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.
2. THIS WORK FOR THIS PROJECT SHALL CONSIST OF REHABILITATION OF EXISTING PAVEMENT, INCLUDING FULL DEPTH REPAIRS, BITUMINOUS ASPHALT PAVING, SHOULDER ADJUSTMENT, AND ASSOCIATED ITEMS.
3. 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.
4. 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.
5. 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.
6. NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING AIRPORT PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
7. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
8. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED IN ACCORDANCE WITH ITEM 901 AT NO ADDITIONAL COST TO THE CONTRACT.
9. ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
10. 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.
11. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
12. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN SO THEY MAY DEVELOP ONE SET OF REDLINED AS-BUILT RECORD DRAWINGS AT THE COMPLETION OF THE PROJECT.
13. 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/TECHNICIAN PRIOR TO BEGINNING ANY WORK.
14. 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 IN ACCORDANCE WITH ITEMS 901 AND 908, UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF THE HAUL ROUTE.
15. 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.
16. 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.
17. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.



DUE TO A SCHEDULED AIRPORT EVENT, CONSTRUCTION WORK, INCLUDING MOBILIZATION, SHALL NOT BEGIN EARLIER THAN JUNE 11, 2018

LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED ENTRANCE ROAD RECONSTRUCTION

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. 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.

J.U.L.I.E. INFORMATION

COUNTY _____ LAWRENCE
 CITY _____ ST. FRANCISVILLE
 TOWNSHIP _____ DENISON
 SECTION NO. _____ 10, 11, 14 & 15
 ADDRESS _____ MT. CARMEL MUNICIPAL AIRPORT
 10188 MT. CARMEL AIRPORT LN.
 ST. FRANCISVILLE, ILLINOIS 62460



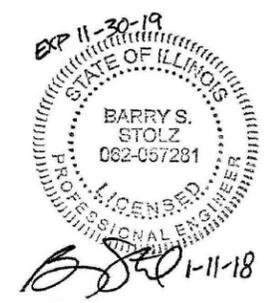
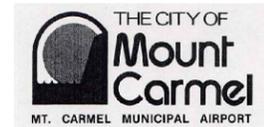
Engineering | Planning | Allied Services

Offices Nationwide
 www.hanson-inc.com

Hanson Professional Services Inc.
 1525 S. 6th Street
 Springfield, IL 62703
 phone: 217-788-2450
 fax: 217-788-2503

Illinois Licensed
 Professional Service Corporation
 #184-001084

MT CARMEL MUNICIPAL AIRPORT



RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

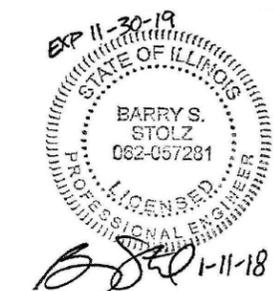
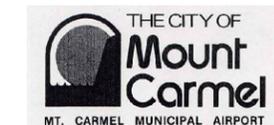
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018
 PROJECT NO: 17A0073
 CAD FILE: G-003-SOW.DWG
 DESIGN BY: JRH 11/16/2017
 DRAWN BY: JRH 11/16/2017
 REVIEWED BY: BSS 01/10/2018

SHEET TITLE

SCOPE OF WORK

JAN 10, 2018 5:17 PM STOLZ01647 I:\17\JOB\17A0073\17A0073\CAD\AIRPORT\17A0073-SOW.DWG



RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018
PROJECT NO: 17A0073
CAD FILE: G-004-SFY.DWG
DESIGN BY: JRH 11/16/2017
DRAWN BY: JRH 11/16/2017
REVIEWED BY: BSS 01/10/2018

SHEET TITLE

PROPOSED SAFETY PLAN

PROPOSED SAFETY PLAN NOTES

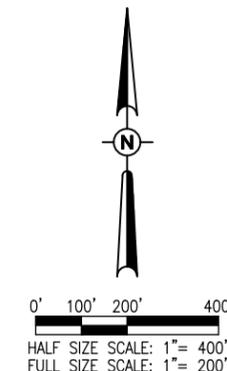
1. THE MT. CARMEL MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION SHOULD NOT NECESSITATE CLOSING EITHER RUNWAY. ALL WORK WILL BE ON THE "LAND SIDE" OF THE AIRPORT PERIMETER FENCE.
2. WHEN THE CONTRACTOR'S VEHICLES AND EQUIPMENT ARE ON THE AIRPORT PROPERTY THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR SHALL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.
3. BARRICADES AND SIGNAGE SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
4. NO CONSTRUCTION EQUIPMENT GREATER THAN 15' TALL WILL BE PERMITTED ON THE AIRPORT. HOWEVER OTHER EQUIPMENT TALLER THAN 15' MAY BE PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
5. ONE LANE OF THE ROADWAY SHALL BE ACCESSIBLE TO PUBLIC VEHICLE TRAFFIC AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE COORDINATED IN ADVANCE WITH THE OWNER.
6. SEE THE NEXT SHEET FOR ADDITIONAL MAINTENANCE OF TRAFFIC INFORMATION.

SAFETY PLAN COMPLIANCE DOCUMENT

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.

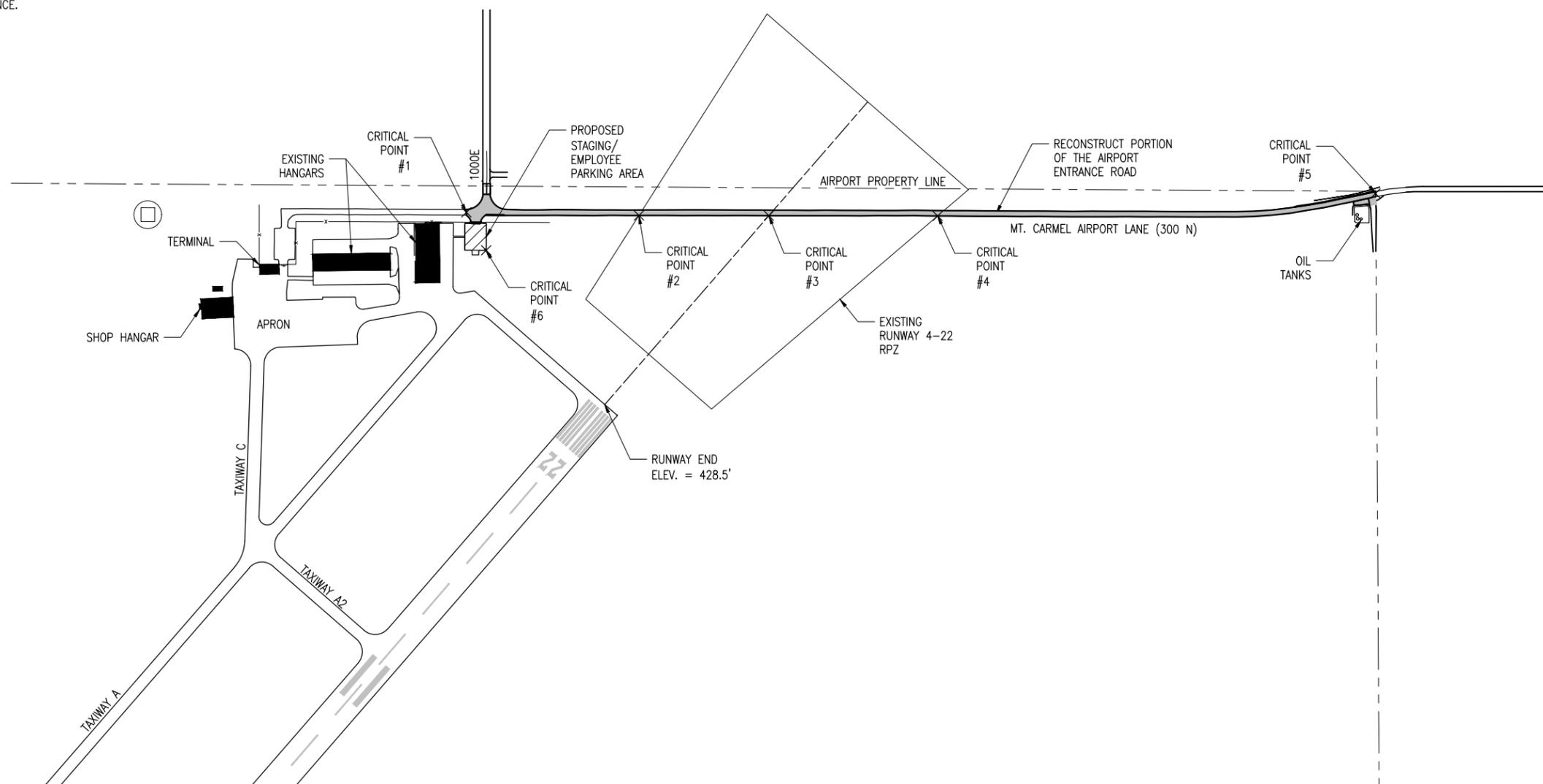
CRITICAL POINTS					
POINT #	LATITUDE	LONGITUDE	GROUND ELEVATION	PROPOSED EQUIPMENT HEIGHT	PROPOSED EQUIPMENT ELEVATION
1	N38° 36' 42.92"	W87° 43' 19.85"	428.3	15'	443.3
2	N38° 36' 42.80"	W87° 43' 13.34"	428.0	15'	443.0
3	N38° 36' 42.76"	W87° 43' 08.44"	428.8	15'	443.8
4	N38° 36' 42.72"	W87° 43' 02.07"	429.5	15'	444.5
5	N38° 36' 43.30"	W87° 42' 45.54"	430.0	15'	445.0
6	N38° 36' 41.80"	W87° 43' 19.12"	427.5	15'	442.5

MT. CARMEL UNICOM FREQUENCY = 122.70



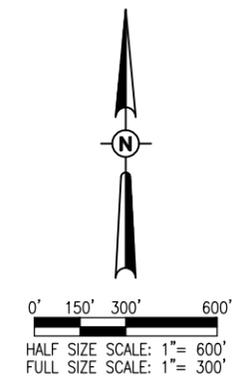
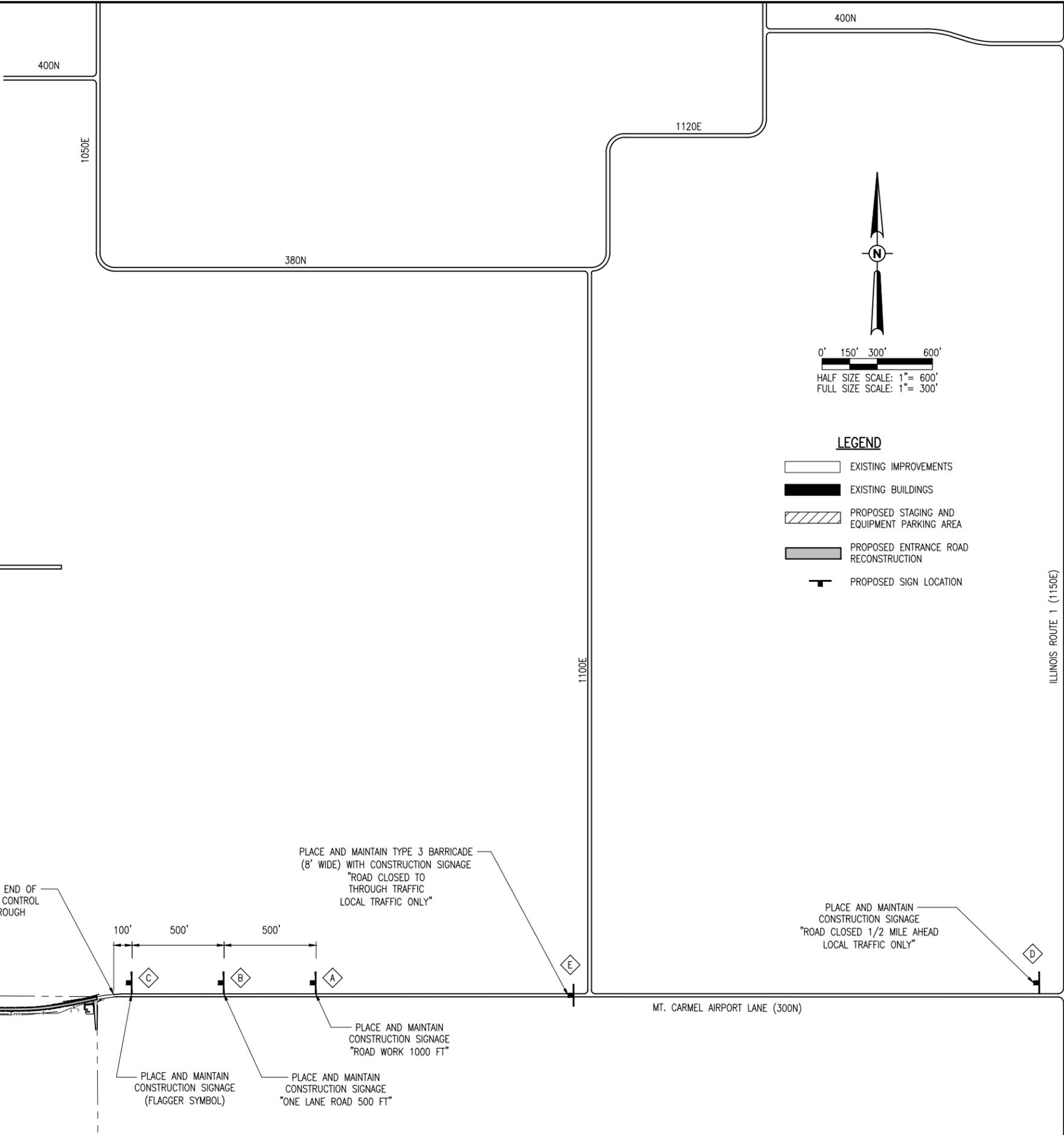
LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED STAGING AND EQUIPMENT PARKING AREA
- PROPOSED ENTRANCE ROAD RECONSTRUCTION



WORK ZONE TRAFFIC CONTROL – GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND CONFIGURATIONS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.
2. ONE LANE OF THE MAIN ROADWAY SHALL BE ACCESSIBLE TO PUBLIC VEHICLE TRAFFIC AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE COORDINATED IN ADVANCE WITH THE OWNER. THE COST OF MAINTAINING THE ACCESS SHALL BE INCIDENTAL TO ITEM AR150530 – TRAFFIC MAINTENANCE, AND NO FURTHER CONSIDERATION WILL BE ALLOWED.
3. ADDITIONAL MEASURES MAY BE REQUIRED, PARTICULARLY DURING NON-WORKING HOURS, TO INSURE THE SAFETY OF WORKS AND THE PUBLIC THROUGH THE CONSTRUCTION ZONE. SAID MEASURES SHALL BE INCIDENTAL TO ITEM AR150530 – TRAFFIC MAINTENANCE, AND NO FURTHER CONSIDERATION WILL BE ALLOWED.
4. THE CONTRACTOR SHALL PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE POSITIVE SEPARATION BETWEEN THE ACTIVE DRIVING LANE AND THE WORK ZONE FOR PROTECTION OF WORKERS AND THE TRAVELING PUBLIC. THE MINIMUM REQUIREMENT IS PLASTIC, FLEXIBLE VERTICAL PANELS OR DELINEATORS. ADDITIONAL MEASURES MAY BE REQUIRED DUE TO THE CONTRACTOR'S OPERATIONS. CONTRACTOR MAY USE DRUMS BUT NOT IN COMBINATION WITH OTHER METHODS SUCH AS VERTICAL PANELS OR DELINEATORS. SAID MEASURES SHALL BE INCIDENTAL TO ITEM AR150530 – TRAFFIC MAINTENANCE, AND NO FURTHER CONSIDERATION WILL BE ALLOWED.
6. THE POSTED SPEED THROUGH THE WORK ZONE SHALL BE 15MPH MAXIMUM, OR LESS IF DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN TO BE NECESSARY FOR THE SAFETY OF WORKERS AND THE TRAVELING PUBLIC. THE CONTRACTOR SHALL PROVIDE APPROPRIATE ADVANCE SIGNING, PER THE MUTCD AND STATE DOT (IF APPLICABLE), TO ADVISE AND WARN THE TRAVELING PUBLIC OF THE SPEED LIMIT DURING CONSTRUCTION.
7. THE SUGGESTED TRAFFIC CONTROL MEASURES ARE CONSIDERED THE MINIMUM FOR THIS PROJECT. IF THE CONTRACTOR'S OPERATIONS REQUIRE ADDITIONAL TRAFFIC CONTROL MEASURES, HE SHALL DEVELOP AND SUBMIT A REVISED TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO BEGINNING SUCH WORK. ALL TRAFFIC CONTROL MEASURES, WHETHER INCLUDED IN THE CONSTRUCTION DRAWINGS OR DUE TO THE CONTRACTOR'S OPERATIONS, SHALL BE INCIDENTAL TO ITEM AR150530 – TRAFFIC MAINTENANCE, WITH NO EXCEPTIONS.



- LEGEND**
- EXISTING IMPROVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED STAGING AND EQUIPMENT PARKING AREA
 - PROPOSED ENTRANCE ROAD RECONSTRUCTION
 - PROPOSED SIGN LOCATION

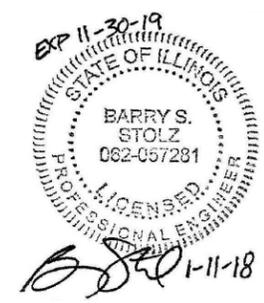
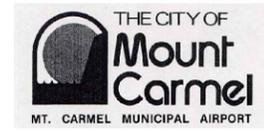


Engineering | Planning | Allied Services
 Offices Nationwide
 www.hanson-inc.com

Hanson Professional Services Inc.
 1525 S. 6th Street
 Springfield, IL 62703
 phone: 217-788-2450
 fax: 217-788-2503

Illinois Licensed
 Professional Service Corporation
 #184-001084

MT CARMEL MUNICIPAL AIRPORT



RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018

PROJECT NO: 17A0073

CAD FILE: G-005-TRFC.DWG

DESIGN BY: JRH 11/16/2017

DRAWN BY: JRH 11/16/2017

REVIEWED BY: BSS 01/10/2018

SHEET TITLE

MAINTENANCE OF TRAFFIC PLAN

JAN 10, 2018 5:17 PM STOLZ01547 I:\17208517\A007317\A00730\CAD\AIRPORT\SHSHEET\G-005-TRFC.DWG

RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

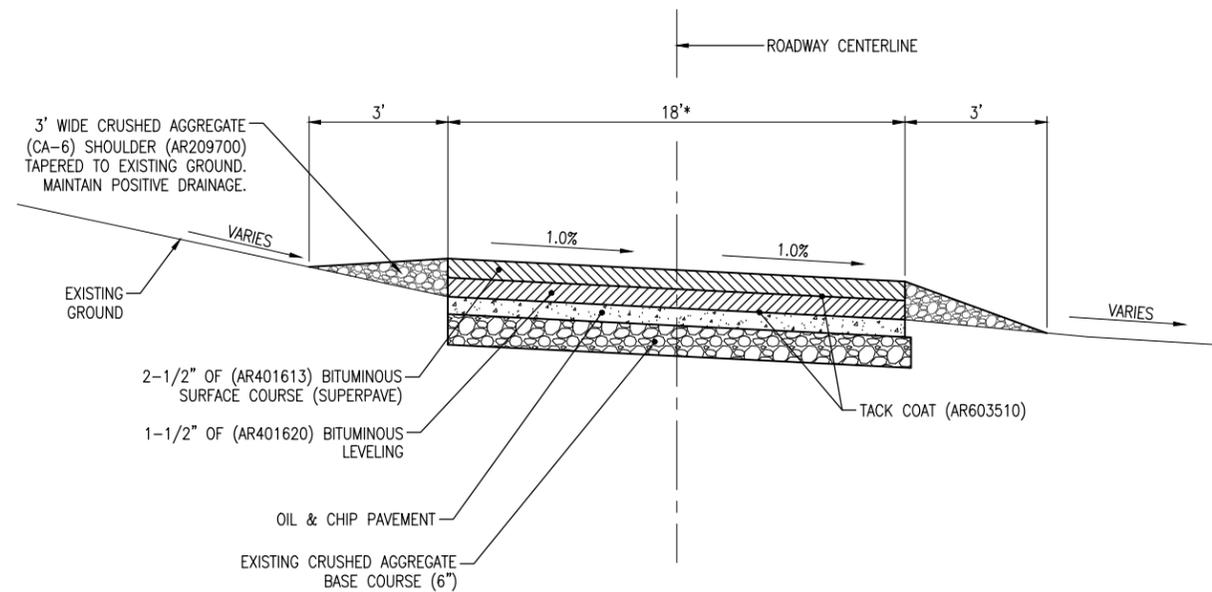
Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018
PROJECT NO: 17A0073
CAD FILE: C-302-TYP.DWG
DESIGN BY: CWS 07/10/2017
DRAWN BY: CWS 07/10/2017
REVIEWED BY: BSS 01/10/2018

SHEET TITLE

PROPOSED TYPICAL SECTIONS

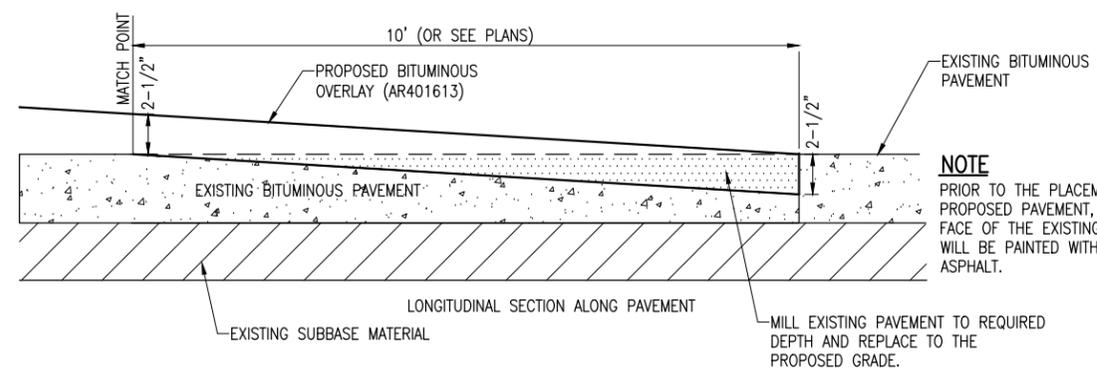


PROPOSED TYPICAL SECTION - OVERLAY AIRPORT ENTRANCE ROAD
NOT TO SCALE

*WIDTHS VARY FROM 16' TO 18'. PLAN QUANTITIES REFLECT 18' WIDTH FOR PROPOSED PAVING. CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR PAVING EXISTING PAVEMENT WIDTH UNLESS OTHERWISE NOTED ON PLANS.

NOTE: EXISTING SECTION IS ESTIMATED TO BE OIL AND CHIP ON 6" AGGREGATE.

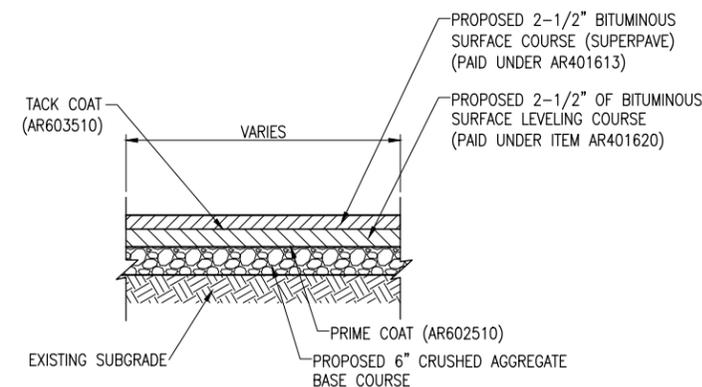
NOTE: CONTRACTOR SHALL MAINTAIN A CONTINUOUS PAVING OPERATION AS MUCH AS IS FEASIBLE.



PROPOSED BUTT JOINT DETAIL
NOT TO SCALE

AR401655 BUTT JOINT CONSTRUCTION NOTES

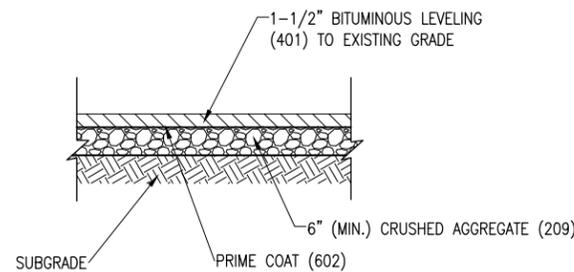
1. THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED IN THE STANDARD SPECIFICATIONS, ADOPTED APRIL 1, 2012.
2. THIS ITEM SHALL CONSIST OF REMOVING THE EXISTING BITUMINOUS PAVEMENT SURFACE BY MILLING IN ORDER TO CONSTRUCT A BUTT JOINT FOR THE TRANSITION OF THE PROPOSED BITUMINOUS OVERLAY AT THE LOCATIONS AS SHOWN ON THE PLANS.
3. THE PAVEMENT SURFACE WILL THEN BE MILLED TO A DEPTH OF 2-1/2" AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.
4. ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
5. ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE CONTRACTOR AND ACCEPTED BY THE RESIDENT ENGINEER/TECHNICIAN.
6. THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM: AR401655 "BUTT JOINT CONSTRUCTION", PER S.Y.



PROPOSED TYPICAL SECTION - ROAD RECONSTRUCTION
NOT TO SCALE

NOTES:

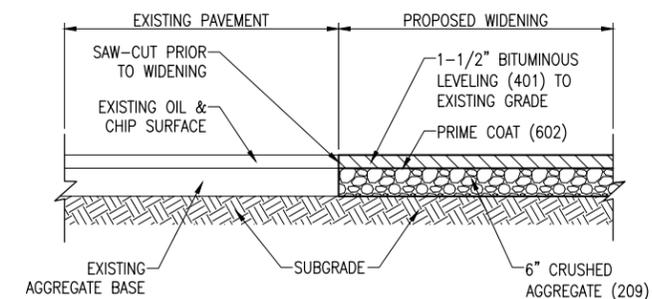
1. THIS SECTION APPLIES TO CR 1000E AND THE EXISTING AGGREGATE FARM ROAD ON THE EAST END OF THE PROJECT LIMITS.
2. PROPOSED CRUSHED AGGREGATE (CA-6) SHOULDER SHALL BE PLACED ALONG THE EDGES OF THE PAVEMENT AS SHOWN ON THE CONSTRUCTION PLANS. (AR209700)
3. UNCLASSIFIED EXCAVATION FOR WIDENING SHALL BE INCIDENTAL TO OTHER PAY ITEMS. EXCESS EXCAVATED MATERIAL SHALL BE HAULED OFF SITE AND PROPERLY DISPOSED.



FULL DEPTH PAVEMENT REPAIR
NOT TO SCALE

NOTE:

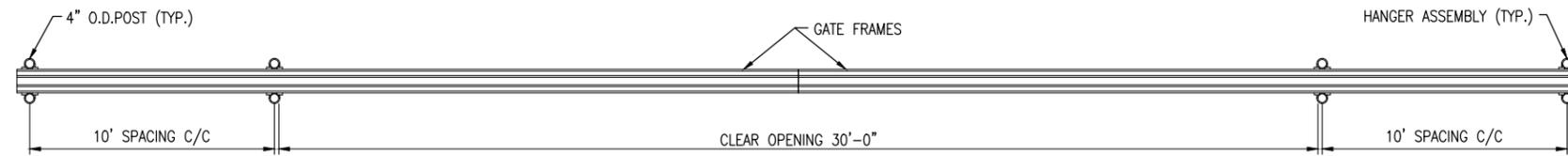
THE AREA(S) DESIGNATED ON THE CONSTRUCTION PLAN SHEETS AS "FULL DEPTH REPAIR" OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN WILL HAVE THE EXISTING PAVEMENT SECTION REMOVED (FULL DEPTH) AND REPLACED WITH THE PROPOSED SECTION SHOWN. THE SUBGRADE WILL BE EXAMINED UPON REMOVAL BY THE RESIDENT ENGINEER/TECHNICIAN AND IF IT APPEARS UNSTABLE IT WILL BE REPLACED BY NO LESS THAN 6 INCHES OF CRUSHED AGGREGATE BASE COURSE (TO BE PAID UNDER THE AR209510 PAY ITEM.). THE COST OF FULL DEPTH PAVEMENT REMOVAL, THE CRUSHED AGGREGATE ABOVE EXISTING SUBGRADE ELEVATION, BITUMINOUS LEVELING COURSE UP TO EXISTING GRADE ELEVATION, AND ALL LABOR AND INCIDENTALS TO COMPLETE THIS WORK SHALL BE PAID FOR UNDER ITEM 401910, REMOVE AND REPLACE BITUMINOUS PAVEMENT, PER SQUARE YARD.



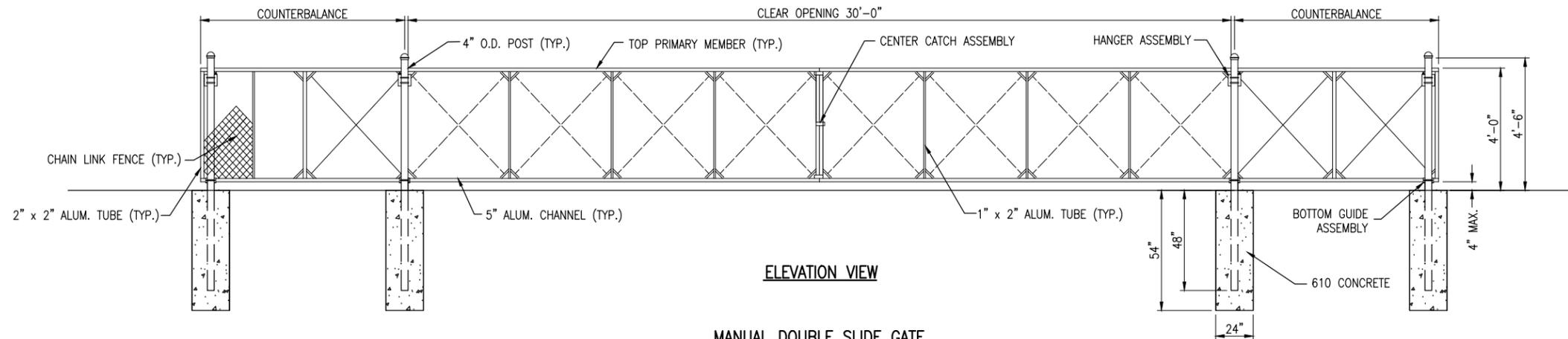
PROPOSED TYPICAL SECTION - WIDENING
NOT TO SCALE

NOTES:

1. FOLLOWING THE WIDENING CONSTRUCTION, THE NEWLY WIDENED PAVEMENT SHALL ALSO RECEIVE THE SAME OVERLAY SECTION AS THE ADJACENT EXISTING PAVEMENT IN ACCORDANCE WITH THE TYPICAL SECTION ON THIS SHEET.
2. PROPOSED CRUSHED AGGREGATE (CA-6) SHOULDER SHALL BE PLACED ALONG THE EDGES OF THE PAVEMENT AS SHOWN ON THE CONSTRUCTION PLANS. (AR209700)
3. UNCLASSIFIED EXCAVATION FOR WIDENING SHALL BE INCIDENTAL TO OTHER PAY ITEMS. EXCESS EXCAVATED MATERIAL SHALL BE HAULED OFF SITE AND PROPERLY DISPOSED.



PLAN VIEW



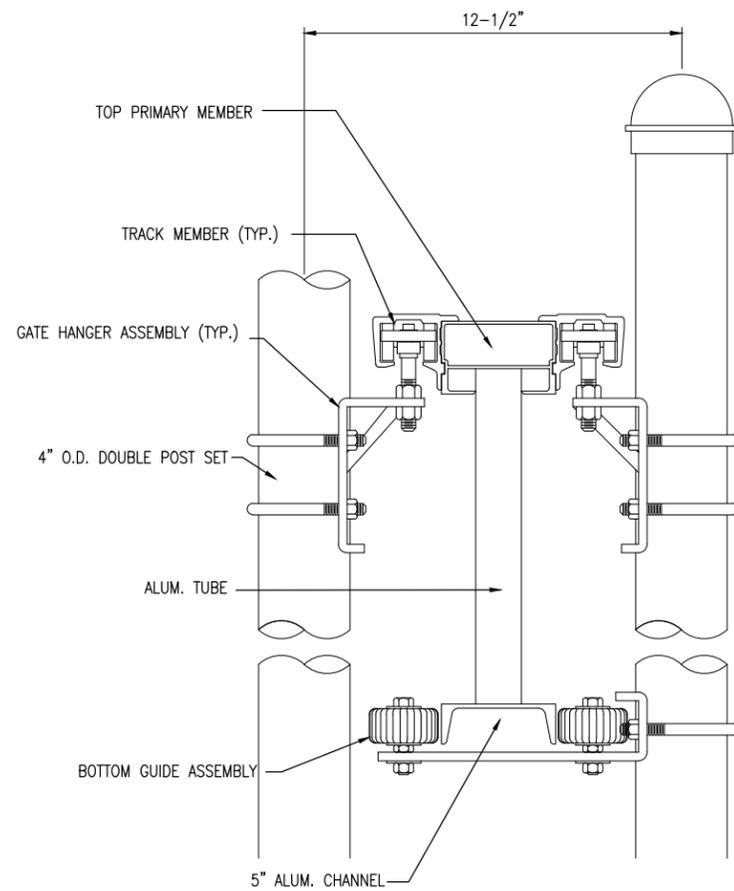
ELEVATION VIEW

**MANUAL DOUBLE SLIDE GATE
4' HIGH CHAIN-LINK**

NOT TO SCALE

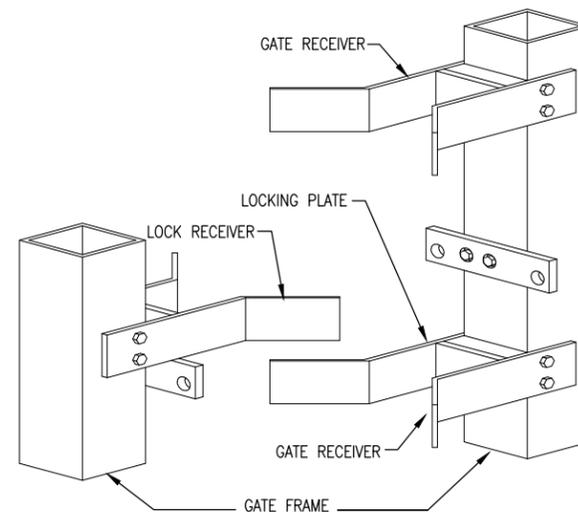
NOTES:

1. FOR GATES THAT REQUIRE FABRICATION IN ONE PIECE, A 2" x 5" ALUMINUM TUBE WILL BE SUBSTITUTED FOR THE ALUMINUM CHANNEL BOTTOM MEMBER.
2. ANY WORK NECESSARY TO COMPLETE A CONTINUOUS CONNECTION OF THE NEW GATE TO THE EXISTING FENCELINE SHALL BE INCLUDED IN THE COST OF THE NEW GATE. REFER TO SPECIAL PROVISION 162 FOR ADDITIONAL INFORMATION.



ASSEMBLY SECTION

NOT TO SCALE



CATCH ASSEMBLY

NOT TO SCALE

RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018

PROJECT NO: 17A0073

CAD FILE: C-302-TYP.DWG

DESIGN BY: CWS 07/10/2017

DRAWN BY: CWS 07/10/2017

REVIEWED BY: BSS 01/10/2018

SHEET TITLE

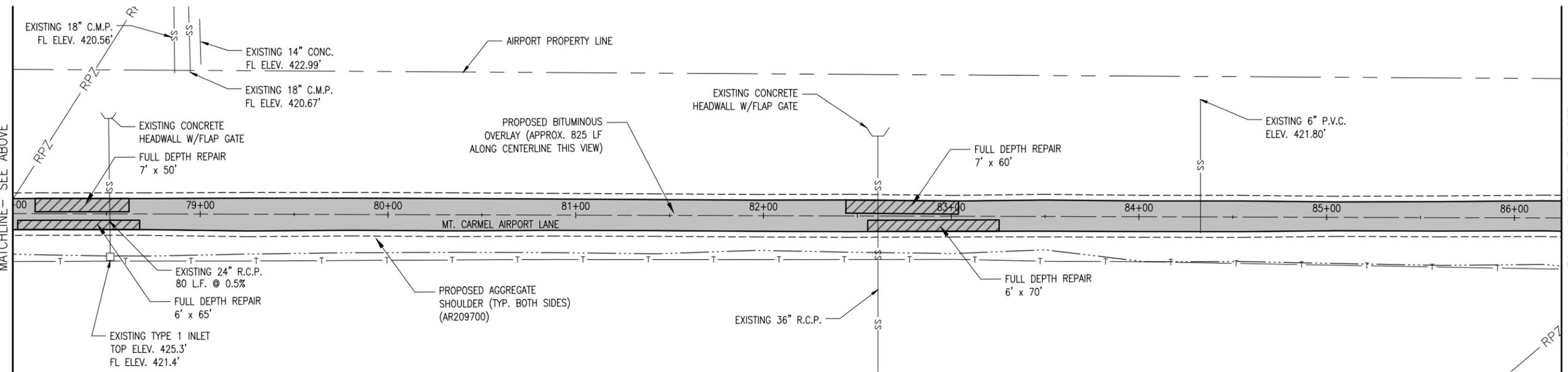
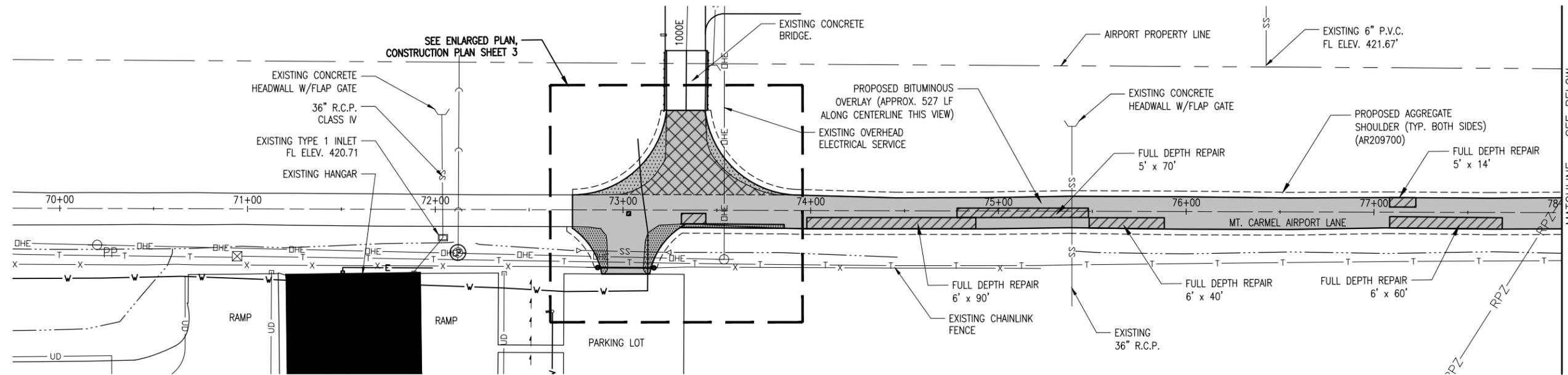
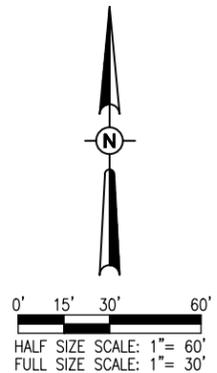
PROPOSED GATE
DETAILS

CONSTRUCTION NOTES

- EXISTING CRACKS IN THE ROADWAY PAVEMENT MAY HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE.
- THE LOCATIONS SHOWN AS FULL DEPTH REPAIR ON THE CONSTRUCTION PLAN SHEETS ARE APPROXIMATE LOCATIONS AND DIMENSIONS IDENTIFIED DURING THE DESIGN PHASE. THE EXACT LOCATIONS AND DIMENSIONS OF THE PROPOSED FULL DEPTH REPAIR AREAS WILL BE MARKED BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO THE BEGINNING OF CONSTRUCTION.

LEGEND

-  EXISTING PAVEMENTS
-  EXISTING BUILDINGS
-  PROPOSED IMPROVEMENTS
-  PROPOSED PAVEMENT REMOVAL/RECONSTRUCTION
-  PROPOSED FULL DEPTH REPAIR
-  PROPOSED PAVEMENT WIDENING (SEE PLAN NOTES FOR MORE DETAIL)
-  PROPOSED AGGREGATE SHOULDER



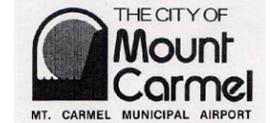
Engineering | Planning | Allied Services

Offices Nationwide
www.hanson-inc.com

Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, IL 62703
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084

MT. CARMEL MUNICIPAL AIRPORT



RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 1

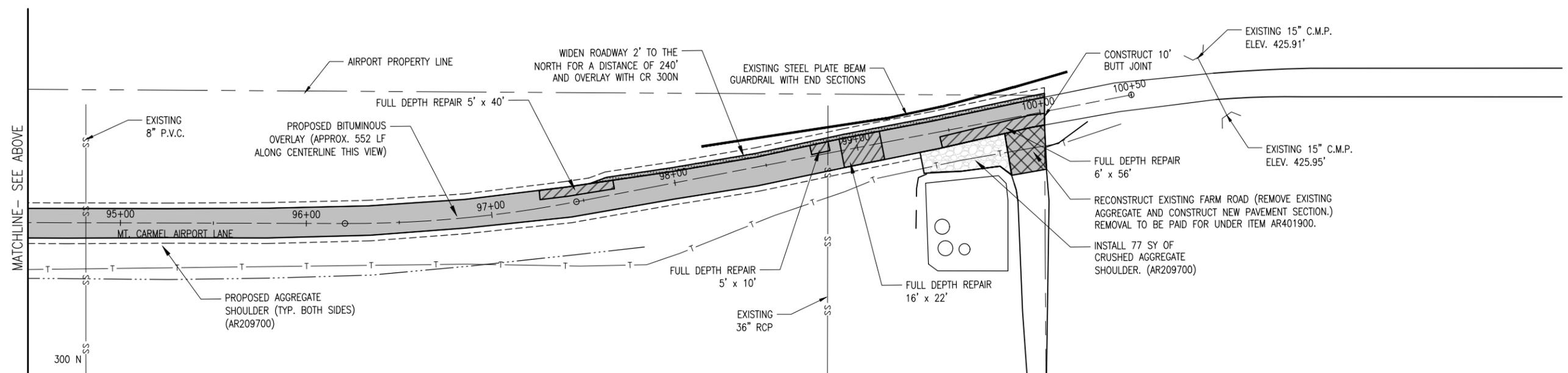
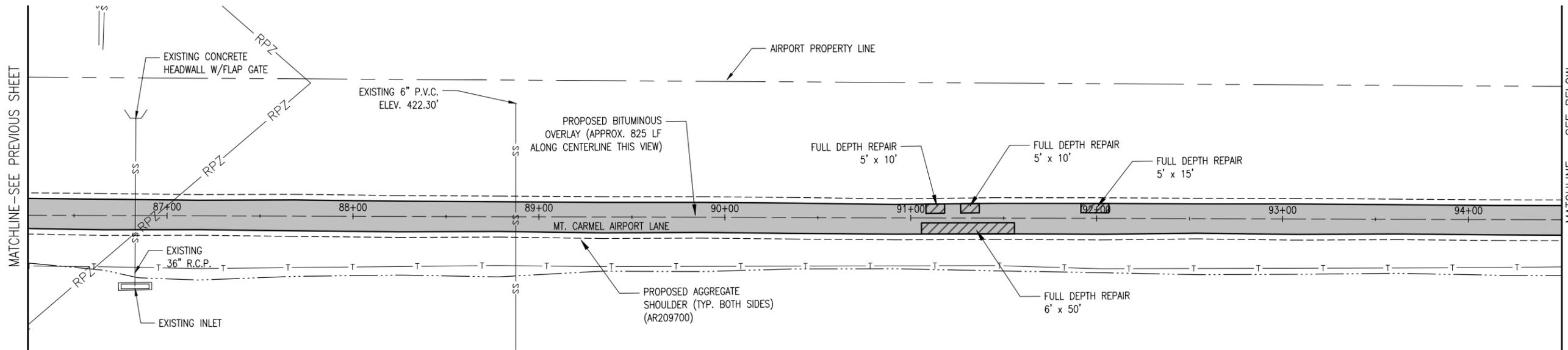
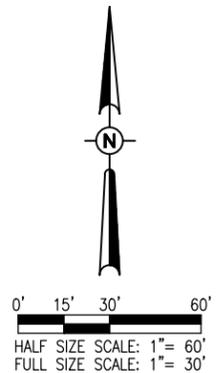
JAN 11, 2018 10:19 AM STOLZ01547 I:\17208517\A073117400\3D\CAD\AIRPORT\SHSHEETC-121-CON.DWG

CONSTRUCTION NOTES

- EXISTING CRACKS IN THE ROADWAY PAVEMENT MAY HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE.
- THE LOCATIONS SHOWN AS FULL DEPTH REPAIR ON THE CONSTRUCTION PLAN SHEETS ARE APPROXIMATE LOCATIONS AND DIMENSIONS IDENTIFIED DURING THE DESIGN PHASE. THE EXACT LOCATIONS AND DIMENSIONS OF THE PROPOSED FULL DEPTH REPAIR AREAS WILL BE MARKED BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO THE BEGINNING OF CONSTRUCTION.

LEGEND

-  EXISTING PAVEMENTS
-  EXISTING BUILDINGS
-  PROPOSED IMPROVEMENTS
-  PROPOSED PAVEMENT REMOVAL/RECONSTRUCTION
-  PROPOSED FULL DEPTH REPAIR
-  PROPOSED PAVEMENT WIDENING (SEE PLAN NOTES FOR MORE DETAIL)
-  PROPOSED AGGREGATE SHOULDER



Engineering | Planning | Allied Services

Offices Nationwide
www.hanson-inc.com

Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, IL 62703
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084

MT CARMEL MUNICIPAL AIRPORT



RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018
PROJECT NO: 17A0073
CAD FILE: C-121-CON.DWG
DESIGN BY: JRH 11/16/2017
DRAWN BY: JRH 11/16/2017
REVIEWED BY: BSS 01/10/2018

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 2

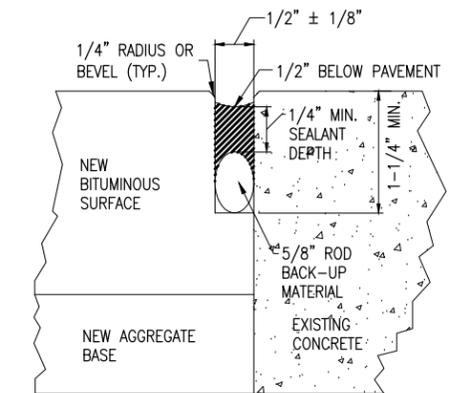
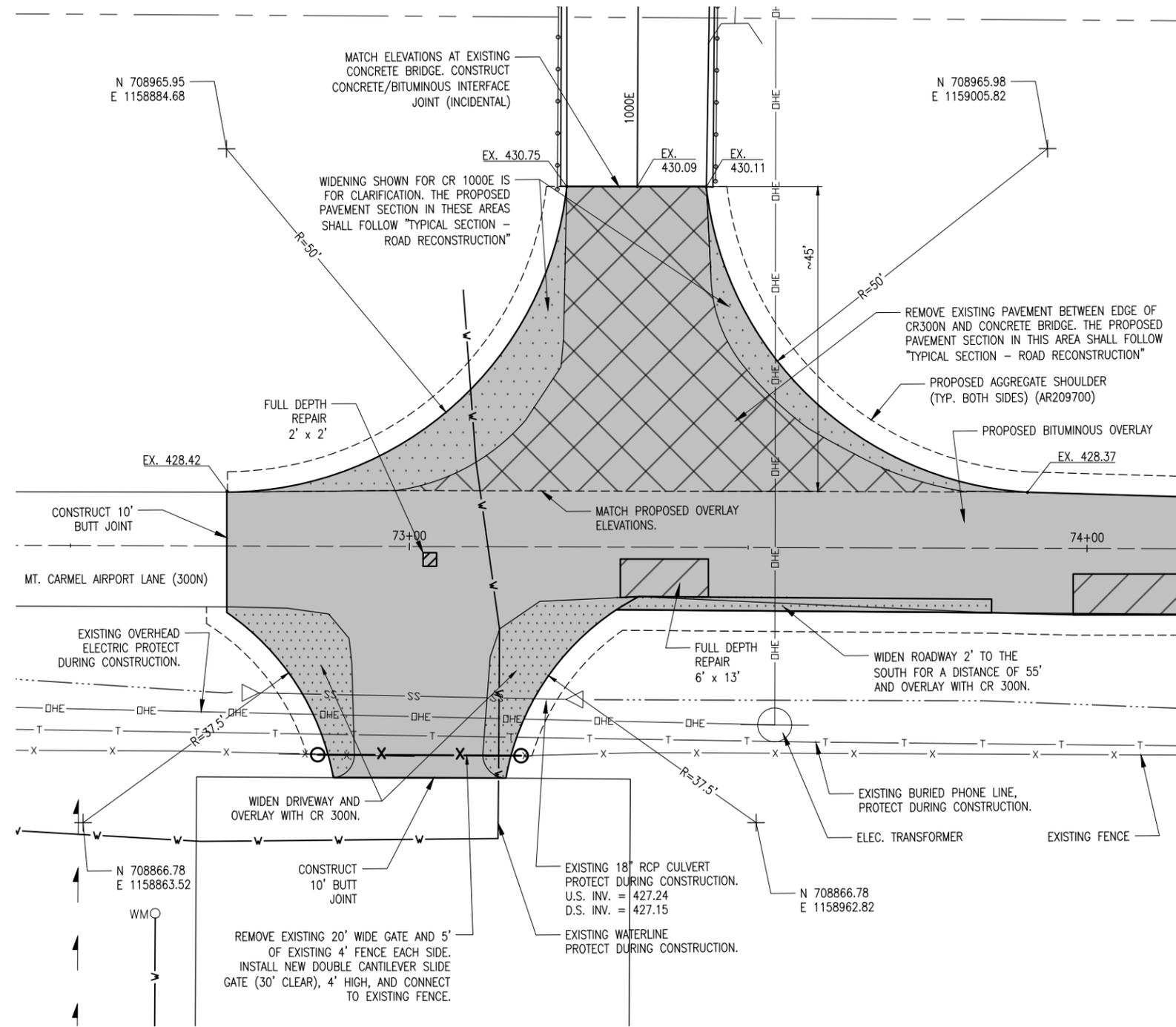
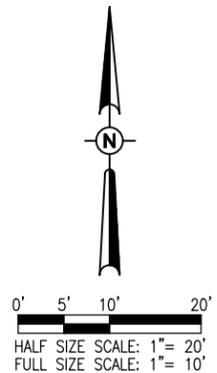
JAN 11, 2018 10:20 AM STOLZ01647 I:\17\JOBS\17A0073\17A0073\CAD\AIRPORT\SHSHEETC-121-CON.DWG

CONSTRUCTION NOTES

- EXISTING CRACKS IN THE ROADWAY PAVEMENT MAY HAVE VEGETATION GROWTH PRESENT, IN VARIOUS AMOUNTS DEPENDING ON LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE VEGETATION WITHIN THE PAVEMENT LIMITS AND TREATING THE CRACKS WITH VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE.
- THE LOCATIONS SHOWN AS FULL DEPTH REPAIR ON THE CONSTRUCTION PLAN SHEETS ARE APPROXIMATE LOCATIONS AND DIMENSIONS IDENTIFIED DURING THE DESIGN PHASE. THE EXACT LOCATIONS AND DIMENSIONS OF THE PROPOSED FULL DEPTH REPAIR AREAS WILL BE MARKED BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO THE BEGINNING OF CONSTRUCTION.

LEGEND

-  EXISTING PAVEMENTS
-  EXISTING BUILDINGS
-  PROPOSED IMPROVEMENTS
-  PROPOSED PAVEMENT REMOVAL/RECONSTRUCTION
-  PROPOSED FULL DEPTH REPAIR
-  PROPOSED PAVEMENT WIDENING (SEE PLAN NOTES FOR MORE DETAIL)
-  PROPOSED AGGREGATE SHOULDER



CONCRETE / BITUMINOUS INTERFACE JOINT
NOT TO SCALE

- JOINT SEALANT MATERIAL SHALL BE DOW 890 SL, PECORA 301, OR APPROVED EQUAL.
- BACKER ROD MATERIAL SHALL BE CLOSED-CELL RESILIENT FOAM OR SPONGE RUBBER.
- THE COST FOR THIS WORK IS CONSIDERED INCIDENTAL TO THE ASPHALT PAVING ITEMS.



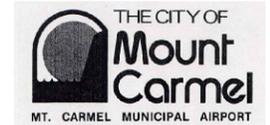
Engineering | Planning | Allied Services

Offices Nationwide
www.hanson-inc.com

Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, IL 62703
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084

MT. CARMEL MUNICIPAL AIRPORT



RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JANUARY 12, 2018
PROJECT NO: 17A0073
CAD FILE: C-121-CON.DWG
DESIGN BY: JRH 11/16/2017
DRAWN BY: JRH 11/16/2017
REVIEWED BY: BSS 01/10/2018

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 3

JAN 11, 2018 10:23 AM STOLZ01547 \\17208517A007317A0073D\CAD\AIRPORT\SHSHEETC-121-CON.DWG