IDOT LETTING: MARCH 9, 2018 ITEM NO. 08A

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

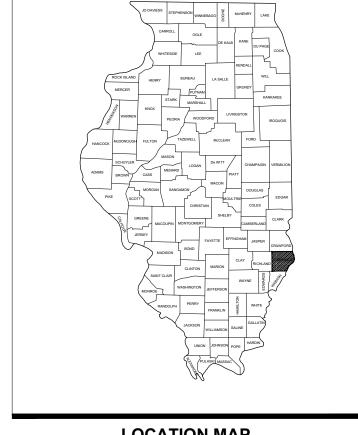
SCOPE OF WORK

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.

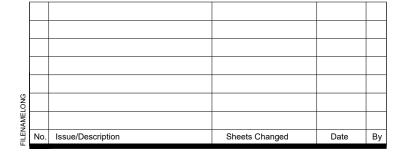
NOTICE TO CONTRACTORS AND BIDDERS

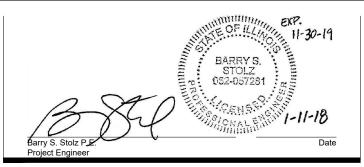
THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.





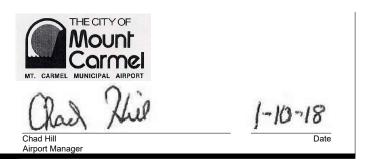
LOCATION MAP







VICINITY MAP



SUMMARY OF QUANTITIES ITEM NO. DESCRIPTION UNIT TOTAL QUANTITY AS-BUILT QUANTITY AR150510 ENGINEER'S FIELD OFFICE L.S. 1 AR150520 MOBILIZATION L.S. 1 AR150530 TRAFFIC MAINTENANCE L.S. 1 AR162230 CLASS E MANUAL SLIDE GATE-30' EA. 1 AR162920 REMOVE MANUAL SLIDE GATE EA. 1 AR209510 CRUSHED AGGREGATE BASE COURSE TON 150
TIEM NO. DESCRIPTION
AR150520 MOBILIZATION L.S. 1 AR150530 TRAFFIC MAINTENANCE L.S. 1 AR162230 CLASS E MANUAL SLIDE GATE-30' EA. 1 AR162920 REMOVE MANUAL SLIDE GATE EA. 1
AR150530 TRAFFIC MAINTENANCE L.S. 1 AR162230 CLASS E MANUAL SLIDE GATE-30' EA. 1 AR162920 REMOVE MANUAL SLIDE GATE EA. 1
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AR162920 REMOVE MANUAL SLIDE GATE EA. 1
AR209510 CRUSHED AGGREGATE BASE COURSE TON 150
AR209700 CRUSHED AGG. SHOULDER S.Y. 1,882
AR401613 BIT. SURF. CSEMETHOD I, SUPERPAVE TON 775
AR401620 BIT. SURFACE COURSE, LEVELING TON 490
AR401655 BUTT JOINT CONSTRUCTION S.Y. 60
AR401900 REMOVE BITUMINOUS PAVEMENT S.Y. 215
AR401910 REMOVE & REPLACE BIT. PAVEMENT S.Y. 515
AR602510 BITUMINOUS PRIME COAT GAL. 135
AR603510 BITUMINOUS TACK COAT GAL. 540

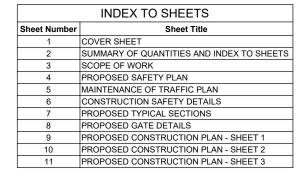
GENERAL NOTES:

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

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

MATERIAL CERTIFICATIONS

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



Offices Nationwide

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	DES	CRIPT	ION
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SSUE:	JANUAF	RY 12,	2018	

PROJECT NO: 17A0073 CAD FILE: G-002-FLP.DWG DESIGN BY: JRH 11/16/2017

DRAWN BY: JRH 11/16/2017

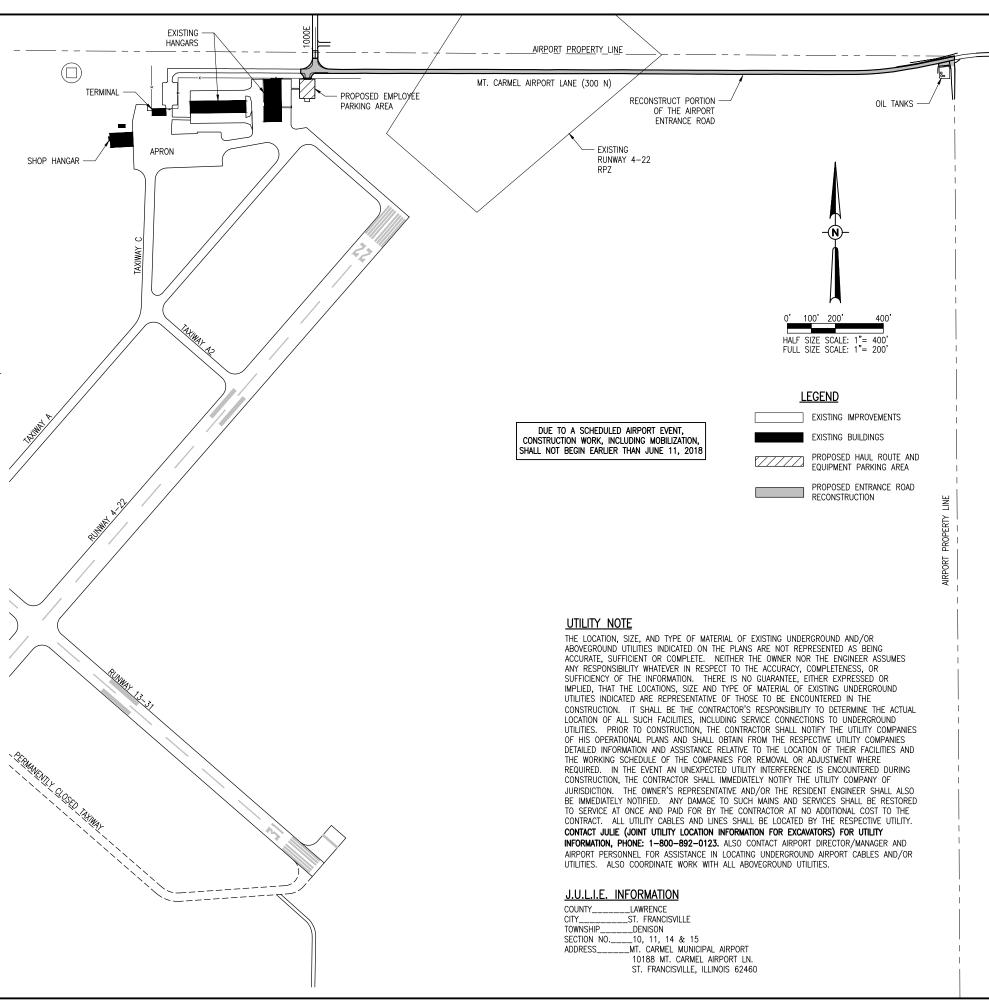
REVIEWED BY: BSS 01/10/2018

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX TO SHEETS

GENERAL NOTES

- THE SCOPE OF WORK SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THIS SHEET SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
- THIS WORK FOR THIS PROJECT SHALL CONSIST OF REHABILITATION OF EXISTING PAVEMENT, INCLUDING FULL DEPTH REPAIRS, BITUMINOUS ASPHALT PAVING, SHOULDER ADJUSTMENT, AND ASSOCIATED ITEMS.
- 5. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
- THE 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 HEPPIN
- 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.
- 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.
- 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.
- THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.



HANSON Engineering I Bland Southern

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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	DES	CRIPT	ION
INO.	DATE	DES	DWN	REV
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DESIGN	BY: JR	H 11/	16/201	7
DRAWN	BY: JRH	1 11/1	6/2017	7

SCOPE OF WORK

SHEET TITLE

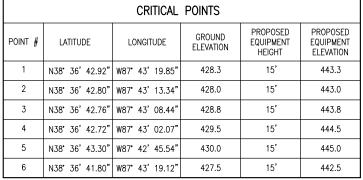
PROPOSED SAFETY PLAN NOTES

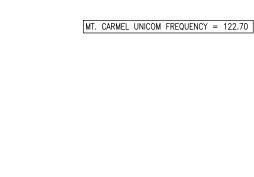
- 1. THE MT. CARMEL MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION SHOULD NOT NECESSITATE CLOSING EITHER RUNWAY. ALL WORK WILL BE ON THE "LAND SIDE" OF THE AIRPORT PERIMETER FENCE.
- 2. WHEN THE CONTRACTOR'S VEHICLES AND EQUIPMENT ARE ON THE AIRPORT PROPERTY THEY SHALL BE PROPERLY 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
- 6. SEE THE NEXT SHEET FOR ADDITIONAL MAINTENANCE OF TRAFFIC INFORMATION.

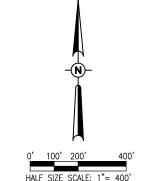
SAFETY PLAN COMPLIANCE DOCUMENT

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

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	





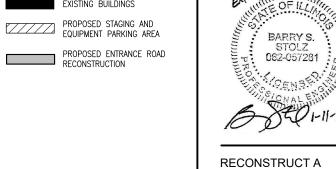


HALF SIZE SCALE: 1"= 400' FULL SIZE SCALE: 1"= 200'

LEGEND

EXISTING IMPROVEMENTS EXISTING BUILDINGS





AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

PORTION OF THE

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Illinois Licensed

Hanson Professional Services Inc.

Professional Service Corporation #184-001084

MT CARMEL MUNICIPAL AIRPORT

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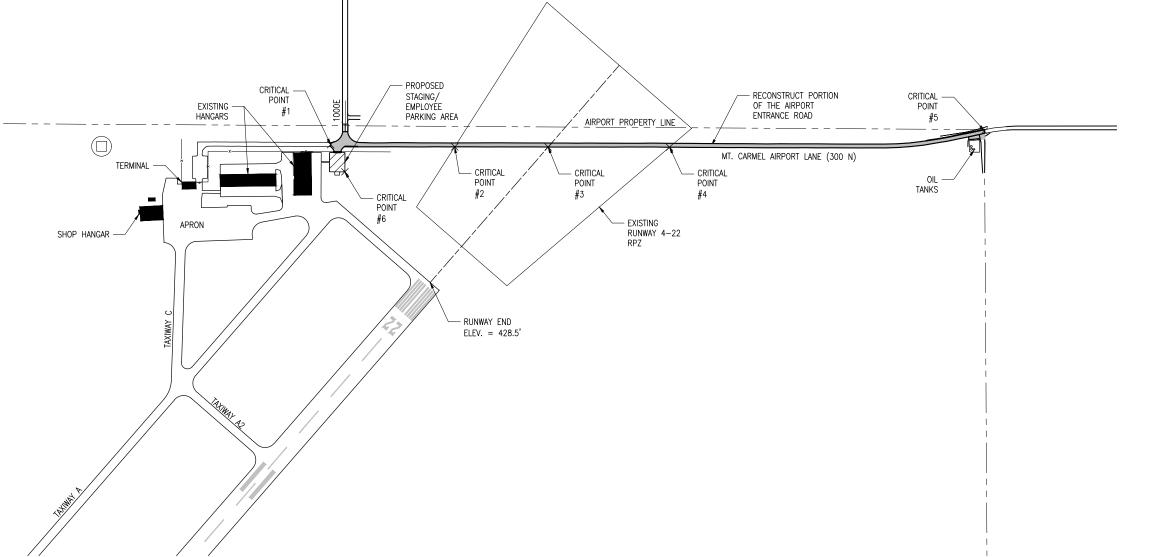
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	ISSUE:	JANUAF	RY 12,	2018	

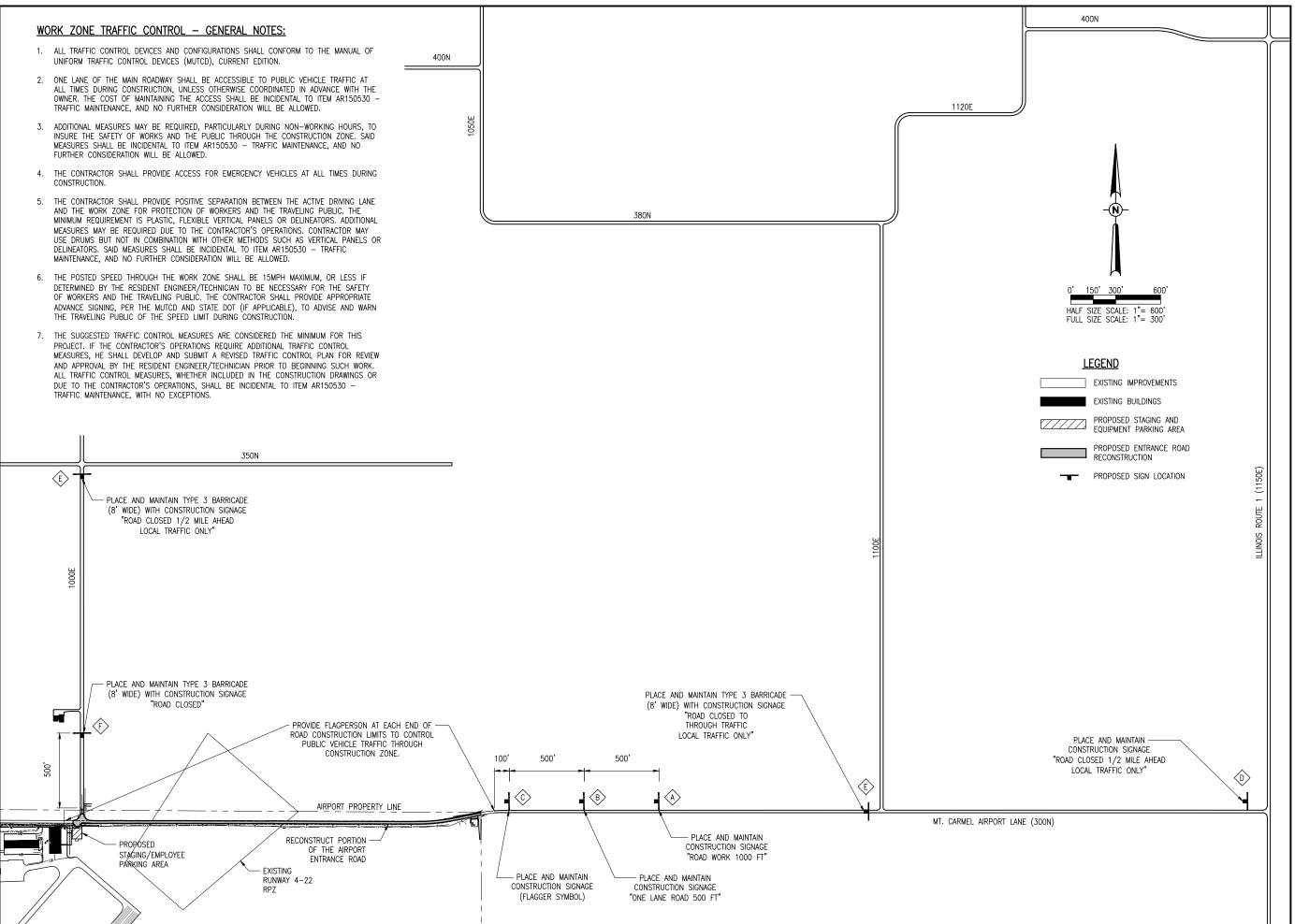
PROJECT NO: 17A0073 CAD FILE: G-004-SFY.DWG

DESIGN BY: JRH 11/16/2017 DRAWN BY: JRH 11/16/2017 REVIEWED BY: BSS 01/10/2018

SHEET TITLE

PROPOSED SAFETY PLAN







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MT CARMEL MUNICIPAL AIRPORT

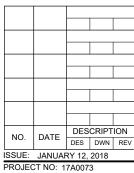




RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE **ROAD UP TO AIRPORT** PROPERTY LINE

IDA No: AJG-4621

Contract No. MC027



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

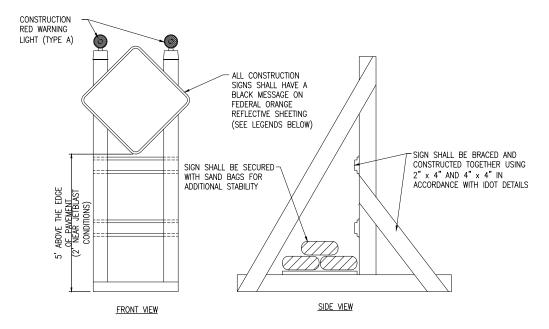
MAINTENANCE OF TRAFFIC PLAN

SIGNAGE NOTES

- 1. ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- 2. UNLESS OTHERWISE SPECIFIED, CONSTRUCTION SIGNS SHALL BE MOUNTED ON PORTABLE OR NON-PORTABLE SUPPORTS. A PORTABLE SUPPORT IS DEFINED AS A TYPICAL SIGN STANDARD AS SHOWN ON THIS SHEET, OR A SMALL LIGHT WEIGHT TRAILER, A NON-PORTABLE SUPPORT IS DEFINED AS DRIVEN METAL OR WOOD POST. ALL SIGNS, REGARDLESS OF THE TYPE OF SUPPORTS USED, SHALL BE MOUNTED SUCH THAT THE MESSAGE ON THE SIGN IS LEVEL IN THE HORIZONTAL PLANE AFTER PLACEMENT. THE COST OF CONSTRUCTION WARNING LIGHTS SHALL BE INCLUDED IN THE COST OF THE CONSTRUCTION SIGNS.
- 3. CONSTRUCTION RED WARNING LIGHT FOR SIGNAGE: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY ARE TO BE USED IN A LOW INTENSITY FLASHING MODE (TYPE A).
- 4. THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR BEFORE SUNSET AND 1/2 HOUR AFTER SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- 5. COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC MAINTENANCE ITEM.

1/2 MILE AHEAD

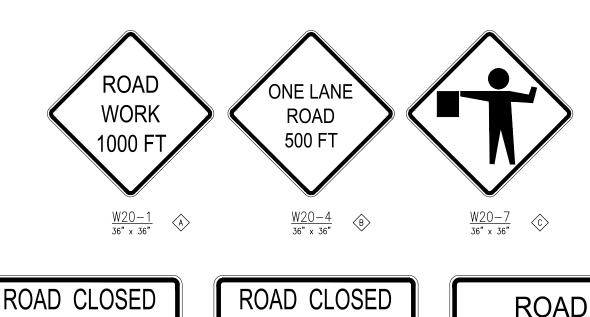
LOCAL TRAFFIC ONLY



CLOSED

TYPICAL CONSTRUCTION SIGNAGE

NOT TO SCALE



TO THRU TRAFFIC

LOCAL TRAFFIC ONLY

CONSTRUCTION SIGN LEGENDS NOT TO SCALE

SAFETY NOTES

- FOLLOWING ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT. ADDITIONAL REQUIREMENTS ARE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEET AND THIS
- 2. ALL PROVISIONS OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN AT THE PRECONSTRUCTION CONFERENCE, OR DURING THE COURSE
- 3. THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFFTY AND PHASING PLAN SHFFTS
- 4. NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE.
- 6. ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5. "PAINTING, MARKING. AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- 7. NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 93' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- 8. CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION, LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2. LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY AIRPORT OPERATIONS AREA WILL BE PERMITTED UNLESS PROPERLY MARKED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- 10. OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR
- 11. 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
- 12. NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- 13. SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRACKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS, ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- 14. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM
- 15. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- 16. CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 17. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 18. THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE
- 19. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 21. CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS
- 23. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE ARFAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- 24. UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.

Offices Nationwide

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MT CARMEL MUNICIPAL AIRPORT





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ISSUE:	JANUAF	RY 12,	2018	
PROJEC	CT NO: 1	7A007	3	

CAD FILE: G-501-SFY.DWG DESIGN BY: CWS 07/10/2017

DRAWN BY: CWS 07/10/2017 REVIEWED BY: BSS 01/10/2018

SHEET TITLE

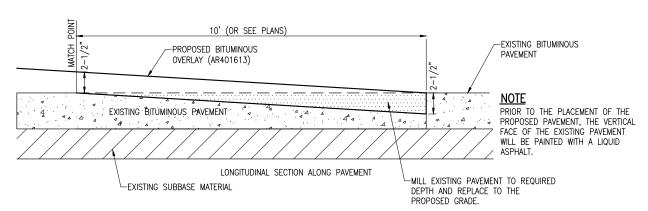
CONSTRUCTION SAFETY DETAILS

PROPOSED TYPICAL SECTION — OVERLAY AIRPORT ENTRANCE ROAD

*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.

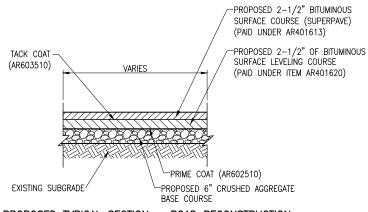


PROPOSED BUTT JOINT DETAIL

NOT TO SCALE

AR401655 BUTT JOINT CONSTRUCTION NOTES

- 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.
- ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
- ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE CONTRACTOR AND ACCEPTED BY THE RESIDENT ENGINEER/TECHNICIAN.
- THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM: AR401655 "BUTT JOINT CONSTRUCTION", PER S.Y.

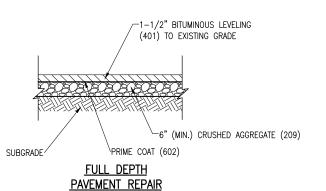


PROPOSED TYPICAL SECTION — ROAD RECONSTRUCTION

NOT TO SCALE

NOTES:

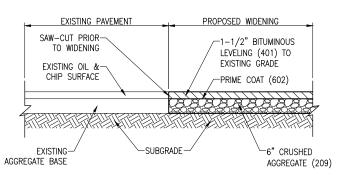
- THIS SECTION APPLIES TO CR 1000E AND THE EXISTING AGGREGATE FARM ROAD ON THE EAST END OF THE PROJECT LIMITS.
- 2. PROPOSED CRUSHED AGGREGATE (CA-6) SHOULDER SHALL BE PLACED ALONG THE EDGES OF THE PAVEMENT AS SHOWN ON THE CONSTRUCTION PLANS. (AR209700)
- 3. UNCLASSIFIED EXCAVATION FOR WIDENING SHALL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



OTF:

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.

NOT TO SCALE



PROPOSED TYPICAL SECTION - WIDENING

NOT TO SCALE

NOTES

- 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.
- PROPOSED CRUSHED AGGREGATE (CA-6) SHOULDER SHALL BE PLACED ALONG THE EDGES OF THE PAVEMENT AS SHOWN ON THE CONSTRUCTION PLANS. (AR209700)
- UNCLASSIFIED EXCAVATION FOR WIDENING SHALL BE INCIDENTAL TO OTHER PAY ITEMS. EXCESS EXCAVATED MATERIAL SHALL BE HAULED OFF SITE AND PROPERLY DISPOSED.

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MT CARMEL MUNICIPAL AIRPORT





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

IDA No: AJG-4621

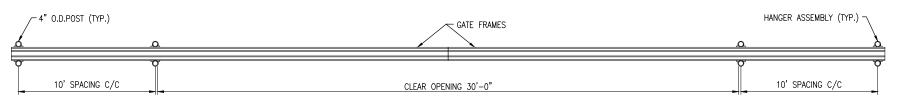
Contract No. MC027

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PROJECT NO: 17A0073						
CAD FILE: C-302-TYP.DWG						
DESIGN BY: CWS 07/10/2017						

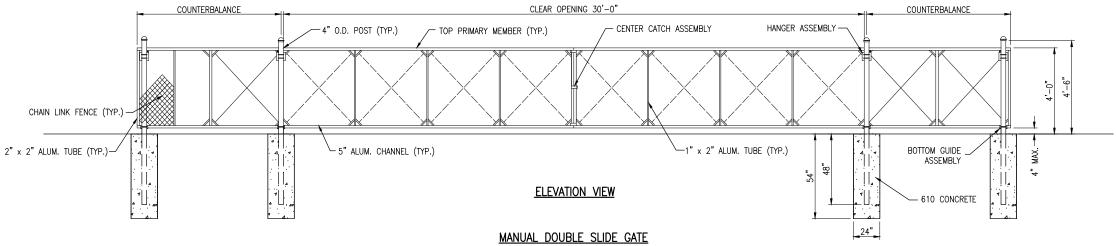
SHEET TITLE

PROPOSED TYPICAL SECTIONS

DRAWN BY: CWS 07/10/2017



PLAN VIEW

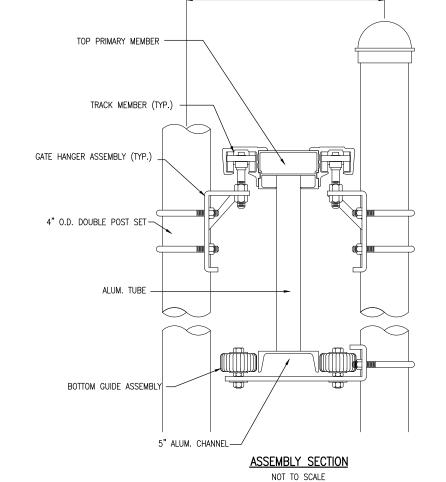


4' HIGH CHAIN-LINK

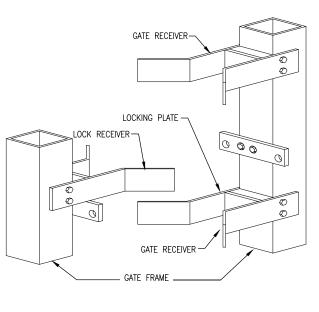
NOT TO SCALE

NOTES:

- FOR GATES THAT REQUIRE FABRICATION IN ONE PIECE, A 2" x 5" ALUMINUM TUBE WILL BE SUBSTITUTED FOR THE ALUMINUM CHANNEL BOTTOM MEMBER.
- 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.



12-1/2"



CATCH ASSEMBLY

NOT TO SCALE



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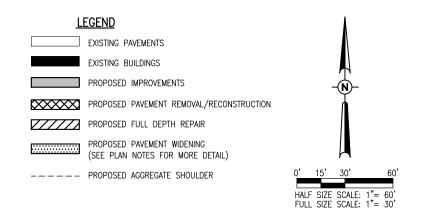
DRAWN BY: CWS 07/10/2017
REVIEWED BY: BSS 01/10/2018

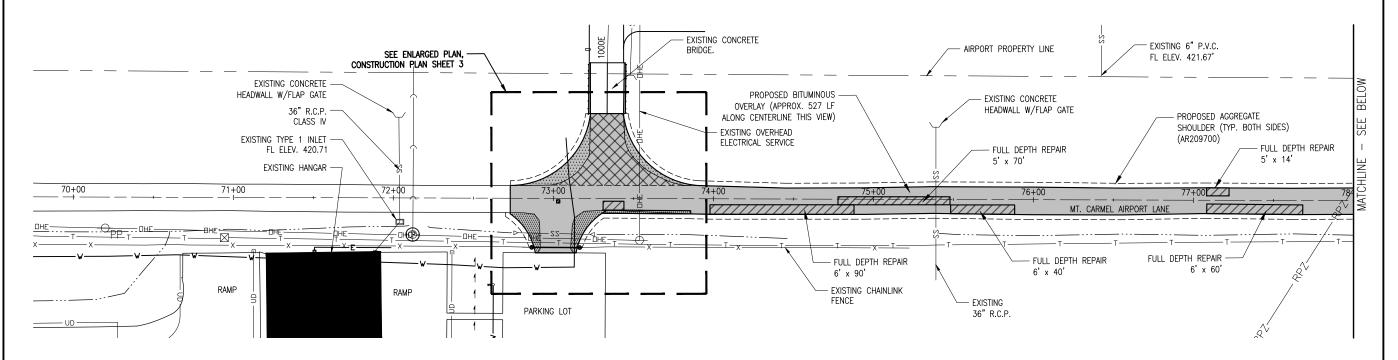
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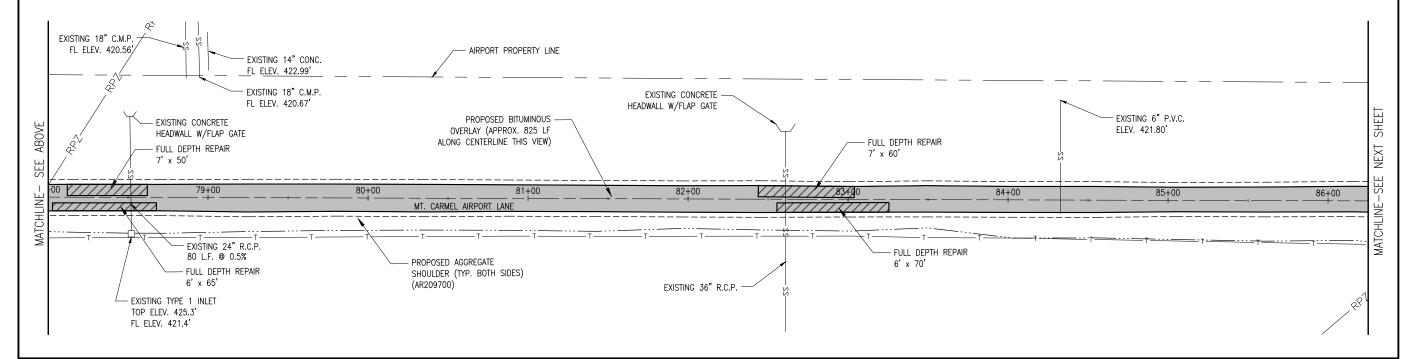
PROPOSED GATE DETAILS

CONSTRUCTION NOTES

- 1. 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.
- 2. 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.







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MT CARMEL MUNICIPAL AIRPORT

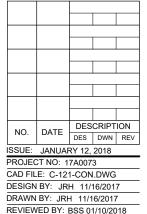




RECONSTRUCT A PORTION OF THE AIRPORT ENTRANCE ROAD UP TO AIRPORT PROPERTY LINE

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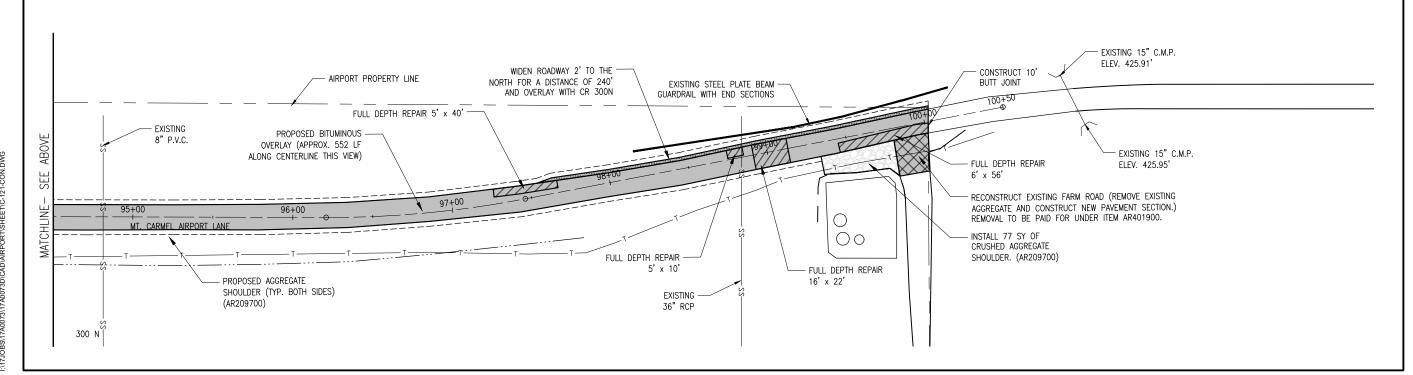
Contract No. MC027



SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 1

CONSTRUCTION NOTES LEGEND 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 EXISTING PAVEMENTS VEGETATION KILLER PRIOR TO THE BITUMINOUS OVERLAY. THIS WORK SHALL BE INCIDENTAL TO EXISTING BUILDINGS OTHER WORK ITEMS AND NO FURTHER PAYMENT SHALL BE MADE. PROPOSED IMPROVEMENTS 2. 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 PROPOSED PAVEMENT REMOVAL/RECONSTRUCTION BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO THE BEGINNING OF CONSTRUCTION. PROPOSED FULL DEPTH REPAIR PROPOSED PAVEMENT WIDENING (SEE PLAN NOTES FOR MORE DETAIL) ---- PROPOSED AGGREGATE SHOULDER AIRPORT PROPERTY LINE - EXISTING CONCRETE HEADWALL W/FLAP GATE SHEET EXISTING 6" P.V.C. ELEV. 422.30' **PREVIOUS** PROPOSED BITUMINOUS OVERLAY (APPROX. 825 LF FULL DEPTH REPAIR ALONG CENTERLINE THIS VIEW) FULL DEPTH REPAIR -5' x 10' 5' x 10' FULL DEPTH REPAIR 5' x 15' 88+00 89+00 90+00 91+00 92400 MT. CARMEL AIRPORT LANE 7////////// FXISTING T 36" R.C.P. PROPOSED AGGREGATE FULL DEPTH REPAIR SHOULDER (TYP. BOTH SIDES) (AR209700) - EXISTING INLET





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MT CARMEL MUNICIPAL AIRPORT

HALF SIZE SCALE: 1"= 60'

FULL SIZE SCALE: 1"= 30'

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

IDA No: AJG-4621

Contract No. MC027

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ROJECT NO: 17A0073							
AD FILE: C-121-CON.DWG							
ESIGN BY: JRH 11/16/2017							
RAWN BY: JRH 11/16/2017							

PROPOSED CONSTRUCTION

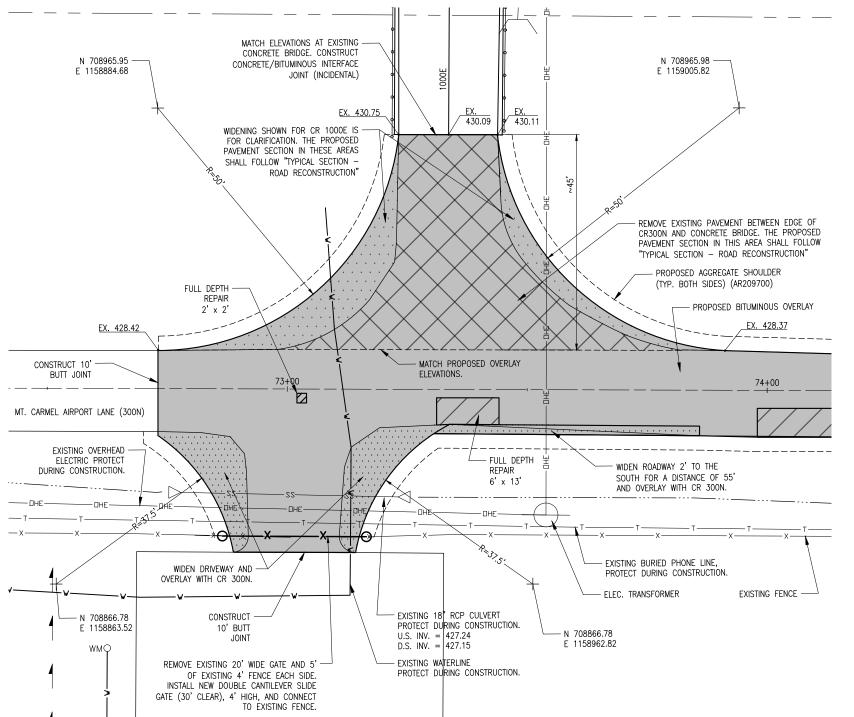
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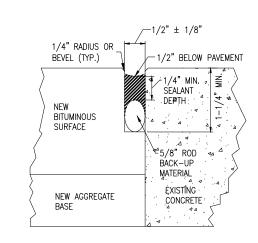
PLAN - SHEET 2

CONSTRUCTION NOTES

- 1. 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.
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CONCRETE / BITUMINOUS INTERFACE JOINT

NOT TO SCALE

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



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MT CARMEL MUNICIPAL AIRPORT





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DESIGN BY: JRH 11/16/2017						

SHEET TITLE

PROPOSED CONSTRUCTION PLAN - SHEET 3

DRAWN BY: JRH 11/16/2017