

**LEE C. FINE MEMORIAL AIRPORT
CITY OF OSAGE BEACH, MISSOURI**

ADDENDUM NO. 1

for

State Project No. 20-046B-1

**BASE BID: RECONSTRUCTION OF THE SOUTHERN PORTION OF THE GA APRON;
DEMOLITION OF TAXIWAY CHARLIE FROM RUNWAY 4-22 TO TAXIWAY A**

**ADDITIVE ALTERNATE NO. 1: REALIGNMENT OF TAXIWAY BRAVO FROM TAXIWAY A
TO THE GA APRON**

**ADDITIVE ALTERNATE NO. 2: RECONSTRUCTION OF THE NORTHERN PORTION OF
THE GA APRON**

FEBRUARY 11, 2021

Prepared By:



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Consulting Engineers
St. Louis, Missouri**

200486-01-00

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ADDITIVE ALTERNATE NO. 1: REALIGNMENT OF TAXIWAY BRAVO FROM TAXIWAY A TO THE GA APRON

ADDITIVE ALTERNATE NO. 2: RECONSTRUCTION OF THE NORTHERN PORTION OF THE GA APRON

This addendum is herewith a part of the Contract Documents of the above issued project, and is issued to amend and supplement the January 22, 2021 construction plan drawings, proposal, contract documents, and specifications.

The **CONTRACT DOCUMENTS** are revised as follows:

PART I - GENERAL PROVISIONS

REVISE: Section 80-08 Failure to Complete on Time, Schedule of Liquidated Damages Table, last row, to read:

Holiday Impacts	\$1,500 per holiday or holiday buffer calendar day when a minimum of half of the full, aircraft traffic-rated (per P-501) apron, or aircraft traffic-rated access to the open apron half is not available	Per the Holiday Schedule, G-5002
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APPENDICES

CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)

REVISE: Section 2. Phasing, C. Work Area Restrictions, General (All Work Areas), paragraph 6 to read:

“Because of the critical limitations placed on the Airport when portions of the parking are not available, specifically during the busiest Lake holiday/event periods (Memorial Day, Independence Day, Labor Day, Lake of the Ozarks (Boat) Shootout), a non-penal amount of \$1,500 per day will be assessed for each holiday or holiday buffer calendar day that **a minimum of a half of the parking apron and the full geometry of its associated access taxiway pavement** (new pavement to be rated for aircraft traffic loading per P-501) is not available for use.

PROPOSAL/FORMS

PROPOSAL FORM

REVISE: Acknowledgements by Bidder, h., last sentence, to read:

“In addition, for each day that a minimum of half of the parking apron **and associated access taxiway pavement** at aircraft-rated traffic strength (per P-501) is not available during a holiday and/or holiday buffer timeframe, the CONTRACTOR shall pay to the OWNER the non-penal amount of **\$1,500** per calendar day where **half** parking capacity **or access to the open apron half** is not available.”

FORM OF CONTRACT AGREEMENT

REVISE: Article 6 – Liquidated Damages, first paragraph, last sentence, to read:

“In addition, for each day that a minimum of half of the parking apron **and associated access taxiway pavement** at aircraft-rated traffic strength (per P-501) is not available during a holiday and/or holiday buffer timeframe, the CONTRACTOR shall pay to the OWNER the non-penal amount of **\$1,500** per calendar day where **half** parking capacity **or access to the open apron half** is not available.”

REVISE: Article 6 – Liquidated Damages, Table, last row, to read:

Holiday Impacts	\$1,500 per holiday or holiday buffer calendar day when a minimum of half of the full, aircraft traffic-rated (per P-501) apron, or aircraft traffic-rated access to the open apron half is not available	All scenarios	Per the Holiday Schedule, G-5002
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The **CONSTRUCTION PLAN SHEETS** are revised as follows:

SHEET 7 of 71 – CSPP Notes Sheet 2 of 2

DELETE: This sheet.
 ADD: Attached sheet.

CLARIFICATION: For the four holidays/events, a full apron is no longer required. An aircraft-rated half-apron (either new PCC or existing), as defined by the Phase 1/Phase 2 limit, along with an associated aircraft-rated access connector (again, either new PCC or existing), will be required during those events.

SHEET 8 of 71 – Construction Activity Details Sheet 1

DELETE: This sheet.
 ADD: Attached sheet.

CLARIFICATION: 2021 Allowable Construction Timeframes has been modified to reflect the new, minimum half-apron requirements for the holidays and buffers. Heavy hauling during these buffers will not be allowed, as airport activity will be at a high, and the remaining apron will be in use by aircraft.

SHEET 33 of 71 – Jointing Plan – Base Bid

DELETE: This sheet.
 ADD: Attached sheet.

SHEET 34 of 71 – Jointing Plan – Base Bid, Alt. 1

DELETE: This sheet.
 ADD: Attached sheet.

SHEET 35 of 71 – Jointing Plan – Base Bid, Alts 1 & 2

DELETE: This sheet.
 ADD: Attached sheet.

CLARIFICATION: Revised sheet reflects 25' paving lanes, and a reduction of transverse panel joint reinforcement and longitudinal joint reinforcement on interior panels. Outer panels will still be doweled or basketed, pending construction method. Note that if paved with 12.5' lanes, dummy joints would be replaced with doweled construction joints for load transfer. Legend revised to include dummy sawed joints, and other jointing types renamed for consistency.

SHEET 45 of 71 – General Details Sheet 1 of 8

DELETE: This sheet.
 ADD: Attached sheet.

CLARIFICATION: Dummy joint detail added, other jointing types renamed for consistency.

REVISED CONSTRUCTION PLAN SHEETS

CONSTRUCTION ACTIVITY PLAN GENERAL NOTES:

AREAS AND OPERATIONS AFFECTED BY CONSTRUCTION OPERATIONS:

- ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES

PROTECTION OF NAVIGATION AIDS (NAVAIDS):

- THE CONTRACTOR SHALL REMAIN CLEAR OF THE LOCALIZER, VASI SYSTEMS, WIND CONE, BEACON AND OTHER NAVAIDS FACILITIES AT ALL TIMES.
- THE CONTRACTOR SHALL PROTECT NAVAIDS AND CABLING WITHIN THE PROJECT LIMITS.

CONTRACTOR ACCESS:

- CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS.
- THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE PERSON TO MONITOR THE AIRPORT UNICOM FREQUENCY OF 122.80. THE PERSON DESIGNATED SHALL HAVE THE ABILITY TO EASILY COMMUNICATE WITH OTHER CONTRACTOR PERSONNEL WORKING ON THE JOBSITE. THE CONTRACTOR SHALL PROVIDE HIS/HER OWN AIRPORT RADIO(S).
- THE STORAGE AND STAGING AREA WILL BE AS SHOWN ON THE SITE PLAN.
- THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.
- WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA OR WITHIN THE WORK AREA LIMITS (SEE NOTE 6).
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE. SEE SECTION A-A ON THE SITE PLAN SHEET.
- ALL CONSTRUCTION TRAFFIC OPERATING ON, OR CROSSING RUNWAYS, TAXIWAYS AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL BY A FLAGMAN OR ESCORT WHO IS MONITORING THE AIRPORT UNICOM FREQUENCY. THE CONTRACTOR SHALL PROVIDE HIS/HER OWN FLAGMEN.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF THE ENGINEER. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.
- ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION, SEEDING AND MULCHING OF THE CONTRACTOR'S STORAGE AREAS AND HAUL ROADS.

WILDLIFE MANAGEMENT:

- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR AIRPORT MANAGER IF ANY WILDLIFE IS SEEN ENTERING THE AIRPORT.
- THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS.

FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT:

- THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
- THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

HAZARDOUS MATERIAL (HAZMAT) MANAGEMENT:

- THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (SDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.

NOTIFICATION OF CONSTRUCTION ACTIVITIES:

- THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
- THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO THE CITY PRIOR TO CLOSING ANY TAXIWAY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE CITY AND TO ALLOW FOR COORDINATION WITH THE AIRPORT TENANTS BY THE CITY.
- THE CONTRACTOR SHALL GIVE A MINIMUM OF 10 DAYS NOTICE TO THE FAA AIRWAYS FACILITIES AND THE CITY PRIOR TO CLOSURE OF THE RUNWAY SO THAT THE FAA MAY DEACTIVATE THE FAA OWNED NAVAIDS.
- FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25'. THE CONTRACTOR SHALL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.

CONTACTS FOR THIS PROJECT ARE AS LISTED BELOW:

OWNER
CITY OF OSAGE BEACH (573) 302-2000
EXT. 1011
MIKE WELTY - ASSISTANT CITY ADMINISTRATOR

AIRPORT
TY DINDSALE - AIRPORT MANAGER (573) 216-4743

ENGINEER
CRAWFORD, MURPHY & TILLY, INC. (314) 571-9077
BRIAN HUTSELL, P.E. - PROJECT MANAGER

FAA AIRWAYS FACILITIES
CASEY SCHALLER - COLUMBIA SSC MANAGER (573) 875-5310

FIRE DEPARTMENT
OSAGE BEACH FIRE DEPT, #4 (573) 348-8992 (NON-EMERGENCY)

WATER
CITY OF OSAGE BEACH WATER DEPT. (573) 302-2020
RON RICHARDS - FOREMAN

EMERGENCY
911

INSPECTION REQUIREMENTS:

- THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2G MAY BE USED TO AID IN THE INSPECTIONS.
- THE CONTRACTOR SHALL ATTEND A FINAL INSPECTION OF EACH PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS.

UNDERGROUND UTILITIES:

- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
- BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL 1-800-DIG-RITE TO ARRANGE FOR UTILITY LOCATES.
- 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 PREVIOUS 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.
- ALL EXISTING TAXIWAY AND RUNWAY LIGHTING CIRCUITS, FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS ACCEPTABLE TO THE RESIDENT ENGINEER. ALL TEMPORARY CABLING AND SPLICING NECESSARY TO KEEP THE CIRCUITS IN OPERATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

PENALTIES:

- NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW.
- FOR EACH AND EVERY CALENDAR DAY THE PROJECT OR PROJECT PHASE REMAINS INCOMPLETE BEYOND THE CONTRACT TIME ALLOWED FOR PERFORMANCE OF THAT WORK ITEM, THE CONTRACTOR SHALL PAY THE NON-PENAL AMOUNT OF \$800.00 PER CALENDAR DAY AS A LIQUIDATED DAMAGE TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL PAY THE NON-PENAL AMOUNT OF \$800.00 PER CALENDAR DAY PLUS \$250.00 FOR EVERY HOUR AS A LIQUIDATED DAMAGE TO THE OWNER FOR EACH AND EVERY HOUR RUNWAY 4-22 IS CLOSED BEYOND THE MAXIMUM ALLOWED 7 DAY CLOSURE PERIOD.

SPECIAL CONDITIONS:

- A MINIMUM OF HALF THE APRON, AS DEFINED BY THE PHASE 1/2 LIMIT LINE, AND ASSOCIATED TRAFFIC-RATED TAXIWAY ACCESS SHALL BE OPEN DURING MEMORIAL DAY WEEKEND, 4TH OF JULY, THE LAKE OF THE OZARKS SHOOTOUT, AND LABOR DAY WEEKEND. FOR ALL INTENTS AND PURPOSES, ALL OF THESE EVENTS SHALL BE CONSIDERED "HOLIDAYS".
- THE OPEN HALF OF THE APRON AND CONNECTING TAXIWAY ACCESS SHALL EITHER BE EXISTING PCC, OR NEW PCC HAVING GAINED ADEQUATE STRENGTH, PER P-501, FOR OPENING TO AIRCRAFT TRAFFIC.
- IF A HOLIDAY/EVENT LANDS DURING THE WEEK, ONLY HALF OF THE APRON MAY BE CLOSED FOR THE ENTIRE WEEK OF THE HOLIDAY/EVENT.
- IF THE HOLIDAY/EVENT LANDS ON A WEEKEND, ONLY HALF OF THE APRON MAY BE CLOSED FROM 2 BUSINESS DAYS BEFORE UNTIL 2 DAYS AFTER THE HOLIDAY/EVENT. SEE ALLOWABLE CONSTRUCTION TIME FRAMES TABLE ON DRAWING G-5002.
- LIQUIDATED DAMAGES WILL BE ASSESSED IF MORE THAN HALF OF THE APRON REMAINS CLOSED, OR TAXIWAY ACCESS TO THE OPEN HALF OF THE RUNWAY IS NOT AVAILABLE, BEYOND THE ALLOTTED TIME FRAMES, IMPACTING HOLIDAY PARKING CAPACITY, AS SHOWN ON G-5002.

RUNWAY & TAXIWAY VISUAL AIDS:

- THE AIRPORT WILL BE CLOSED DURING A PORTION OF THIS PROJECT. THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOW THE REQUIREMENTS OF FAA AC 150/5370-2G.
- BARRICADES SHALL BE USED AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY ENGINEER.

MARKINGS & SIGNS FOR ACCESS ROUTES:

- BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED ON THIS SHEET AND THE CONSTRUCTION ACTIVITY DETAILS AND CRITICAL POINTS TABLE ON DRAWING G-5002.

HAZARD MARKING & LIGHTING:

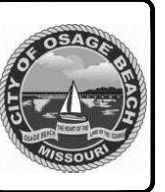
- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
- ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G AND 150/5210-5D AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
- BARRICADES SHALL BE PLACED AT THE LOCATIONS AND SPACINGS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS.

PROTECTION:

- NO WORK SHALL BE PERFORMED/REQUIRED INSIDE OF ACTIVE RUNWAY 4-22 SAFETY AREA WHICH EXTENDS 250' FROM THE RUNWAY CENTERLINE UNLESS THE RUNWAY IS CLOSED AND CLOSURE MARKERS ARE IN PLACE.
- NO WORK SHALL BE PERFORMED/REQUIRED INSIDE OF AN ACTIVE TAXIWAY OBJECT FREE AREA WHICH EXTENDS 65.5' FROM THE TAXIWAY CENTERLINE UNLESS THE TAXIWAY IS CLOSED AND BARRICADES ARE IN PLACE.

OTHER LIMITATIONS ON CONSTRUCTION:

- IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE CITY, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
- BROKEN CONCRETE, BROKEN ASPHALT, UNUSED PAINT, UNUSED SEALER AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.
- RUNWAY 4/22 MAY ONLY BE CLOSED FROM MONDAY AT 12:00 PM TO FRIDAY AT 12:00 PM.
- IF A HOLIDAY/EVENT LANDS DURING THE WEEK, THE RUNWAY MAY NOT BE CLOSED THAT HOLIDAY/EVENT WEEK.
- IF THE HOLIDAY/EVENT LANDS ON A WEEKEND, THE RUNWAY MAY NOT BE CLOSED 2 BUSINESS DAYS BEFORE AND 2 BUSINESS DAYS AFTER THE HOLIDAY/EVENT. SEE ALLOWABLE CONSTRUCTION TIME FRAMES TABLE ON DRAWING G-5002.



NO.	REVISION	DATE	APPROVED

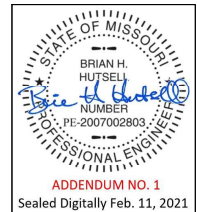
Project Date: 1/21/21	Project No: 20-046B-1
Approved by: BH	Checked by: BH
Drawn by: TMM, ASF	Plot Date: 11-Feb-21 10:48
Plot Size: 22x34"	Sheet No: 20-046B-1
Scale: 1"=20'-0"	Project No: 20-046B-1

MODOT AVIATION
LEE C. FINE MEMORIAL APRT
1111 LEE C. FINE ROAD
KAISER, MILLER COUNTY, MO 65017



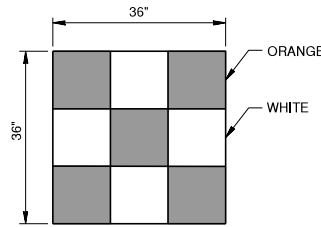
MODOT PROJ. # 20-046B-1
RECONSTRUCTION OF GA APRON
CSPP NOTES SHEET 2 OF 2

20-046B-1
Sheet 7 of 71
Drawing: G-5001
VOL. 1 of 1

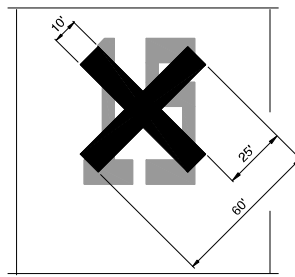


The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings or documents not exhibiting this seal.

CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG
NOT TO SCALE

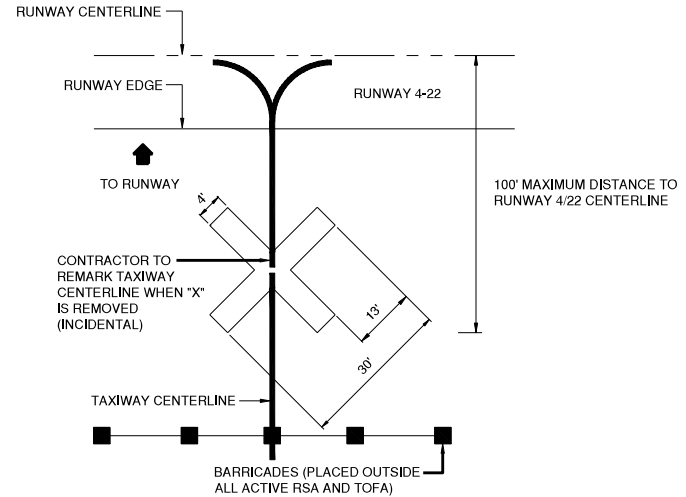


ON PAVEMENT TEMPORARY CLOSED RUNWAY MARKER DETAIL
NOT TO SCALE



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 CONSTRUCTION ACTIVITY PLANS.

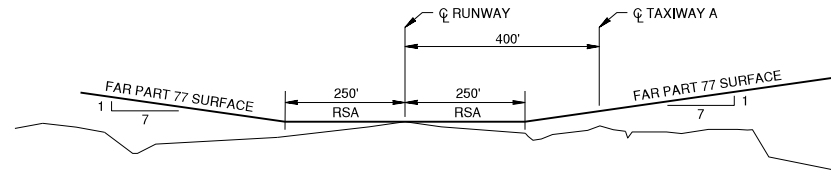


CLOSED TAXIWAY MARKER DETAIL
NOT TO SCALE

CLOSED TAXIWAY MARKER DETAIL NOTES

- CLOSED TAXIWAY MARKERS SHALL BE PAINTED YELLOW WITH TEMPORARY MARKING CAPABLE OF BEING REMOVED WITH LOW PRESSURE WATER BLASTING OR OTHER MATERIAL THAT DOES NOT VIOLATE THE OBJECT FREE AREA CRITERIA AND RUNWAY SAFETY AREA CRITERIA PER ADVISORY CIRCULAR 150/5300-13A (LATEST EDITION) AND ARE APPROVED BY THE RESIDENT ENGINEER AND AIRPORT.
- CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION
- COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- PLACE MARKERS OVER TAXIWAY CENTERLINE.
- MARKERS SHALL BE ADEQUATELY SECURED TO PREVENT MOVEMENT BY PROPELLER WASH, JET BLAST OR OTHER WIND CURRENTS.
- MARKERS ARE ONLY REQUIRED FOR CLOSURES EXCEEDING 72 HOURS.

F.A.R. TITLE 14 PART 77 SURFACE
NOT TO SCALE



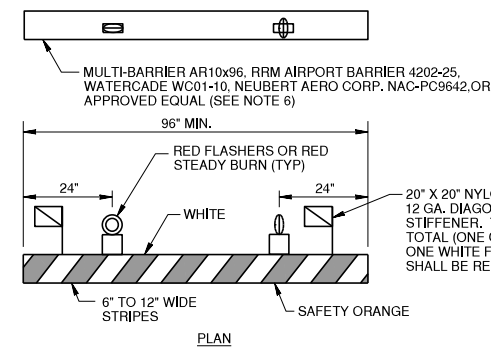
NOTE: RSA - RUNWAY SAFETY AREA

2021 ALLOWABLE CONSTRUCTION TIMEFRAMES

	2021 CALENDAR YEAR						
	S	M	T	W	R	F	S
MAR	7	8	9	10	11	12	13
APR	11	12	13	14	15	16	17
MAY	16	17	18	19	20	21	22
JUNE	27	28	29	30	1	2	3
JULY	4	5	6	7	8	9	10
AUG	15	16	17	18	19	20	21
SEP	12	13	14	15	16	17	18
OCT	17	18	19	20	21	22	23
NOV	7	8	9	10	11	12	13

NOTE: NO RUNWAY CLOSURES ON WEEKENDS, NOR DURING HOLIDAYS/BUFFERS

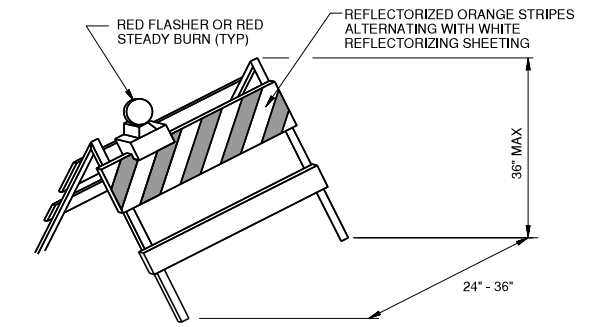
 HOLIDAY/EVENT BUFFER - MINOR WORK ALLOWED, HALF APRON REQ'D
 HOLIDAY/EVENT - MINOR WORK ALLOWED, HALF APRON REQUIRED



AIRSIDE LOW PROFILE LIGHT BARRICADE
NOT TO SCALE

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 20' SPACING CENTER TO CENTER 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.
- BARRICADES SHALL BE OF LOW MASS, EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF IT COMPONENTS, AND WEIGHTED TO AVOID BEING BLOWN OVER.
- BARRICADES SHALL BE OF A COMMERCIAL DESIGN AND SHALL MEET CURRENT FAA REQUIREMENTS.



LANDSIDE ALTERNATE BARRICADE DETAIL
NOT TO SCALE

- NOTE:**
- ALL BARRICADES SHALL BE LOW PROFILE UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION ACTIVITY PLAN SHEETS.
 - BARRICADES SHALL BE PLACED AS SHOWN ON THE CONSTRUCTION ACTIVITY PLANS 15' ON CENTER AT DESIGNATED LOCATIONS. BARRICADE SHALL BE WEIGHTED WITH A MINIMUM OF 6 SAND BAGS TO PREVENT THEM FROM BEING BLOWN OVER.

CONSTRUCTION ACTIVITY DETAILS SHEET 1

ADDENDUM NO. 1
Sealed Digitally Feb. 11, 2021

CRITICAL ELEVATION POINTS
RECONSTRUCTION OF GA APRON, RELOCATION & RECONSTRUCTION OF TAXIWAY BRAVO AND DEMOLITION OF TAXIWAY CHARLIE
LEE C. FINE MEMORIAL AIRPORT

POINT	GROUND ELEV. (ft)	MAX* ELEVATION (ft)	NORTHING	EASTING	LATITUDE	LONGITUDE
P1-1	857	902	1,625,788.48	825,050.80	38° 05' 58.17"	92° 33' 03.01"
P1-2	857	902	1,626,016.71	825,353.11	38° 06' 01.16"	92° 33' 00.15"
P1-3	860	905	1,626,500.35	824,987.24	38° 05' 57.54"	92° 32' 54.10"
P1-4	861	906	1,626,271.91	824,685.09	38° 05' 54.56"	92° 32' 56.96"

*CONSTRUCTION ACTIVITY MAXIMUM HEIGHT: 45' FROM GROUND

CRITICAL ELEVATION POINTS
RECONSTRUCTION OF GA APRON, RELOCATION & RECONSTRUCTION OF TAXIWAY BRAVO AND DEMOLITION OF TAXIWAY CHARLIE
LEE C. FINE MEMORIAL AIRPORT

POINT	GROUND ELEV. (ft)	MAX* ELEVATION (ft)	NORTHING	EASTING	LATITUDE	LONGITUDE
P2-1	856	901	1,626,224.45	825,627.69	38° 06' 03.87"	92° 32' 57.56"
P2-2	861	906	1,626,708.08	825,261.83	38° 06' 00.26"	92° 32' 51.50"

*CONSTRUCTION ACTIVITY MAXIMUM HEIGHT: 45' FROM GROUND

CRITICAL ELEVATION POINTS
RECONSTRUCTION OF GA APRON, RELOCATION & RECONSTRUCTION OF TAXIWAY BRAVO AND DEMOLITION OF TAXIWAY CHARLIE
LEE C. FINE MEMORIAL AIRPORT

POINT	GROUND ELEV. (ft)	MAX* ELEVATION (ft)	NORTHING	EASTING	LATITUDE	LONGITUDE
P3-1	861	906	1,626,493.77	825,378.09	38° 06' 01.41"	92° 32' 54.19"
P3-2	861	906	1,626,528.91	825,424.54	38° 06' 01.87"	92° 32' 53.75"
P3-3	862	907	1,626,721.06	825,279.18	38° 06' 00.43"	92° 32' 51.34"
P3-4	863	908	1,626,857.83	825,459.98	38° 06' 02.22"	92° 32' 49.63"
P3-5	865	910	1,626,899.16	825,428.71	38° 06' 01.91"	92° 32' 49.12"
P3-6	862	907	1,626,507.34	824,910.77	38° 05' 56.79"	92° 32' 54.01"
P3-7	861	906	1,626,432.36	824,967.48	38° 05' 57.35"	92° 32' 54.95"
P3-8	861	906	1,626,652.28	825,258.19	38° 06' 00.22"	92° 32' 54.20"

*CONSTRUCTION ACTIVITY MAXIMUM HEIGHT: 45' FROM GROUND

CRITICAL ELEVATION POINTS
RECONSTRUCTION OF GA APRON, RELOCATION & RECONSTRUCTION OF TAXIWAY BRAVO AND DEMOLITION OF TAXIWAY CHARLIE
LEE C. FINE MEMORIAL AIRPORT

POINT	ELEV. (ft)	ELEVATION (ft)	NORTHING	EASTING	LATITUDE	LONGITUDE
P4-1	860	905	1,626,193.14	824,443.22	38° 05' 52.16"	92° 32' 57.94"
P4-2	862	907	1,626,531.76	824,890.99	38° 05' 56.59"	92° 32' 53.71"
P4-3	867	912	1,626,796.24	824,690.40	38° 05' 54.61"	92° 32' 50.40"
P4-4	867	912	1,626,457.89	824,243.00	38° 05' 50.19"	92° 32' 54.63"

*CONSTRUCTION ACTIVITY MAXIMUM HEIGHT: 45' FROM GROUND

CRITICAL ELEVATION POINTS
RECONSTRUCTION OF GA APRON, RELOCATION & RECONSTRUCTION OF TAXIWAY BRAVO AND DEMOLITION OF TAXIWAY CHARLIE
LEE C. FINE MEMORIAL AIRPORT

POINT	ELEV. (ft)	ELEVATION (ft)	NORTHING	EASTING	LATITUDE	LONGITUDE
P5-1	857	902	1,625,862.86	824,994.53	38° 05' 57.61"	92° 33' 02.08"
P5-2	856	901	1,626,298.06	825,572.01	38° 06' 03.32"	92° 32' 56.63"

*CONSTRUCTION ACTIVITY MAXIMUM HEIGHT: 45' FROM GROUND

CRITICAL ELEVATION POINTS
RECONSTRUCTION OF GA APRON, RELOCATION & RECONSTRUCTION OF TAXIWAY BRAVO AND DEMOLITION OF TAXIWAY CHARLIE
LEE C. FINE MEMORIAL AIRPORT

POINT	GROUND ELEV. (ft)	MAX* ELEVATION (ft)	NORTHING	EASTING	LATITUDE	LONGITUDE
S-1	855	900	1,625,811.64	825,601.85	38° 06' 03.62"	92° 33' 02.72"
S-2	852	897	1,625,932.64	825,761.79	38° 06' 05.20"	92° 33' 01.21"
S-3	854	899	1,625,991.47	825,717.28	38° 06' 04.76"	92° 33' 00.47"
S-4	857	902	1,625,870.48	825,557.34	38° 06' 03.18"	92° 33' 01.99"
S-5	863	908	1,626,460.24	825,491.01	38° 06' 02.52"	92° 32' 54.61"
S-6	862	907	1,626,479.33	825,516.26	38° 06' 02.77"	92° 32' 54.37"
S-7	856	901	1,626,669.10	825,580.28	38° 06' 03.41"	92° 32' 51.99"
S-8	858	903	1,626,705.19	825,552.98	38° 06' 03.14"	92° 32' 51.54"
S-9	860	905	1,626,586.22	825,395.71	38° 06' 01.58"	92° 32' 53.03"
H-1	862	907	1,626,980.75	825,655.92	38° 06' 04.16"	92° 32' 48.10"
H-2	864	889	1,627,256.86	826,011.38	38° 06' 07.67"	92° 32' 44.64"
H-3	864	889	1,627,105.08	826,226.18	38° 06' 09.80"	92° 32' 46.54"
D-1	844	889	1,626,999.58	826,273.00	38° 06' 10.25"	92° 32' 47.86"
D-2	848	893	1,627,232.22	826,580.52	38° 06' 13.30"	92° 32' 44.96"
D-3	849	894	1,627,272.09	826,550.36	38° 06' 13.00"	92° 32' 44.46"
D-4	848	893	1,627,039.45	826,242.83	38° 06' 09.96"	92° 32' 47.37"

*CONSTRUCTION ACTIVITY MAXIMUM HEIGHT: 45' FROM GROUND, 25' FOR HAUL ROAD



REVISION	DESCRIPTION	DATE	APPROVED
1	ADDENDUM NO. 1	2/11/21	BHH

Designed by:	DFH	Checked by:	TMM, ASF
Approved by:	BHH	Project Date:	1/21/21
Drawn by:	DFH	Plot Date:	11-Feb-21 20:32
Plot by:	Brian Hutssel	Plot Size:	A1 Full Size Sheet 22x34"
Sheet Title:	CONSTRUCTION ACTIVITY NOTES	Sheet No.:	20-046B-1
Project No.:	20-046B-1	Sheet Count:	20-046B-01

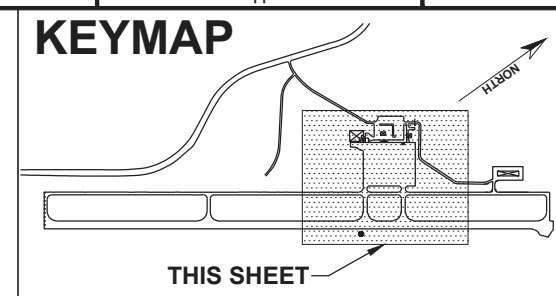
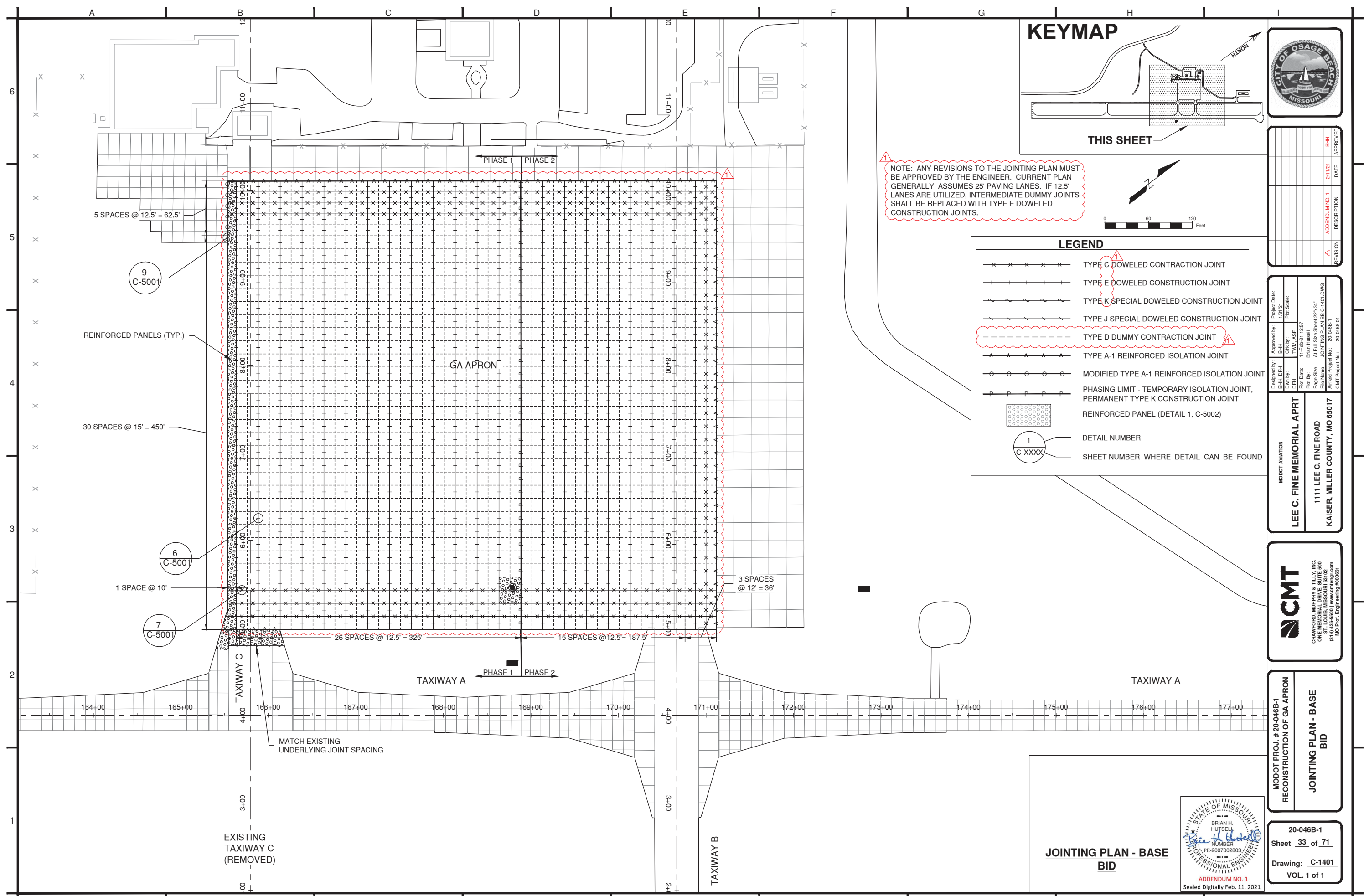
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1111 LEE C. FINE ROAD
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Professional Engineering 606051

MODOT PROJ. # 20-046B-1
RECONSTRUCTION OF GA APRON
CONSTRUCTION ACTIVITY
DETAILS SHEET 1

20-046B-1
Sheet 8 of 71
Drawing: G-5002
VOL. 1 of 1

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NOTE: ANY REVISIONS TO THE JOINTING PLAN MUST BE APPROVED BY THE ENGINEER. CURRENT PLAN GENERALLY ASSUMES 25' PAVING LANES. IF 12.5' LANES ARE UTILIZED, INTERMEDIATE DUMMY JOINTS SHALL BE REPLACED WITH TYPE E DOWELED CONSTRUCTION JOINTS.

LEGEND

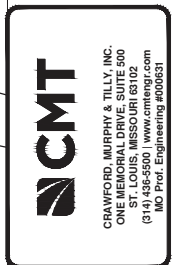
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- TYPE E DOWELED CONSTRUCTION JOINT
- TYPE K SPECIAL DOWELED CONSTRUCTION JOINT
- TYPE J SPECIAL DOWELED CONSTRUCTION JOINT
- TYPE D DUMMY CONTRACTION JOINT
- TYPE A-1 REINFORCED ISOLATION JOINT
- MODIFIED TYPE A-1 REINFORCED ISOLATION JOINT
- PHASING LIMIT - TEMPORARY ISOLATION JOINT, PERMANENT TYPE K CONSTRUCTION JOINT
- REINFORCED PANEL (DETAIL 1, C-5002)
- 1
C-XXXX
- 1
C-XXXX



REVISION	DESCRIPTION	DATE	APPROVED
1	ADDENDUM NO. 1	2/1/21	BHH

Designed by:	Approved by:	Project Date:
BHH, DTH	BHH	1/21/21
Dwn by:	CHK by:	Plot Scale:
TMM, ASF	TMM, ASF	
Plot Date:	Plot by:	Plot Scale:
11-Feb-21 12:57	Brian Huttsel	
Page Size:	File Size:	File Name:
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1" = 30'-0"	1" = 30'-0"	1" = 30'-0"
Scale:	Scale:	Scale:
1" = 30'-0"	1" = 30'-0"	1" = 30'-0"

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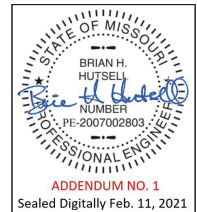


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 RECONSTRUCTION OF GA APRON
JOINTING PLAN - BASE
 BID

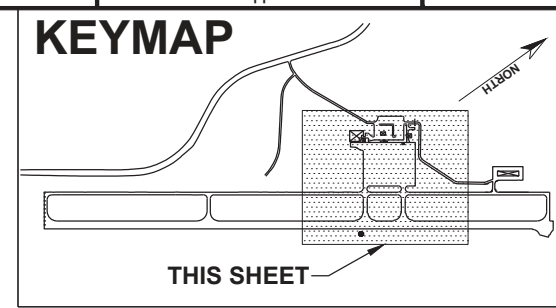
20-046B-1
 Sheet 33 of 71
 Drawing: C-1401
 VOL. 1 of 1

JOINTING PLAN - BASE
BID

ADDENDUM NO. 1
 Sealed Digitally Feb. 11, 2021



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LEGEND	
	TYPE C DOWELED CONSTRUCTION JOINT
	TYPE E DOWELED CONSTRUCTION JOINT
	TYPE K SPECIAL DOWELED CONSTRUCTION JOINT
	TYPE J SPECIAL DOWELED CONSTRUCTION JOINT
	TYPE D DUMMY CONSTRUCTION JOINT
	TYPE A-1 REINFORCED ISOLATION JOINT
	MODIFIED TYPE A-1 REINFORCED ISOLATION JOINT
	PHASING LIMIT - TEMPORARY ISOLATION JOINT, PERMANENT TYPE K CONSTRUCTION JOINT
	REINFORCED PANEL (DETAIL 1, C-5002)
	DETAIL NUMBER
	SHEET NUMBER WHERE DETAIL CAN BE FOUND

REVISION	DESCRIPTION	DATE	APPROVED
1	ADDENDUM NO. 1	2/1/21	BHH

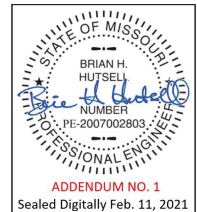
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Checked by:	TMM, ASF	Drawn by:	TMM, ASF
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Plot by:	Brian Huttsel	File Size:	A Full Size Sheet 22"x34"
Actual Project No.:	20-046B-1	File Name:	20-046B-1B-C-1402.DWG
CMT Project No.:	20-046B-01		

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 Reg. Prof. Engineering 60363

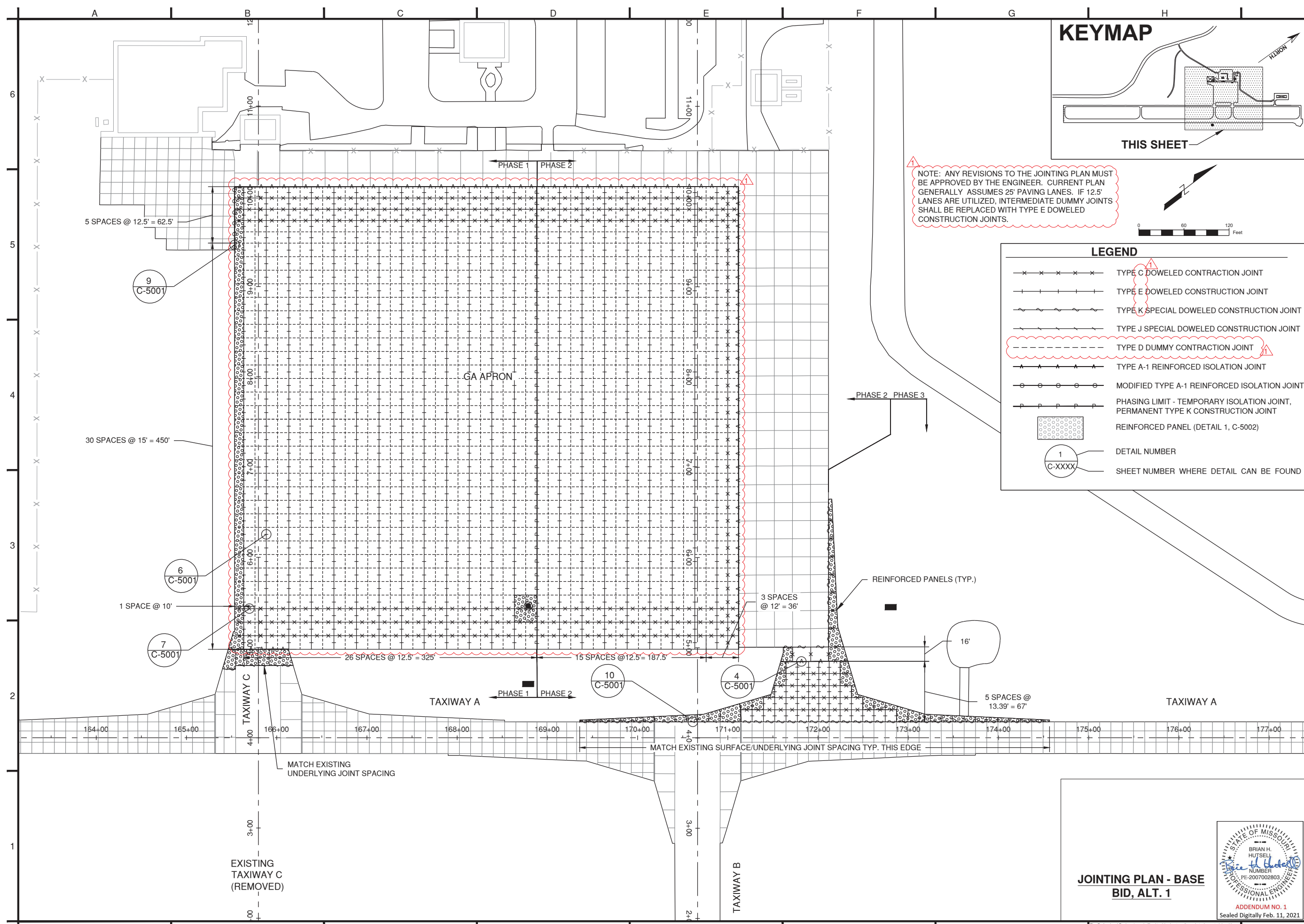
MODOT PROJ. # 20-046B-1
 RECONSTRUCTION OF GA APRON
JOINTING PLAN - BASE
 BID, ALT. 1

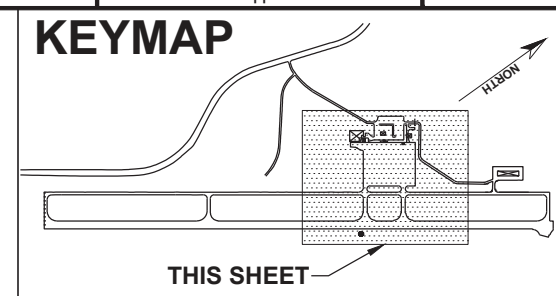
20-046B-1
 Sheet 34 of 71
 Drawing: C-1402
 VOL. 1 of 1



JOINTING PLAN - BASE
BID, ALT. 1

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REVISION	DESCRIPTION	DATE	APPROVED
1	ADDENDUM NO. 1	2/1/21	BHH

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LEGEND

- TYPE C DOWELED CONSTRUCTION JOINT
- TYPE E DOWELED CONSTRUCTION JOINT
- TYPE K SPECIAL DOWELED CONSTRUCTION JOINT
- TYPE J SPECIAL DOWELED CONSTRUCTION JOINT
- TYPE D DUMMY CONSTRUCTION JOINT
- TYPE A-1 REINFORCED ISOLATION JOINT
- MODIFIED TYPE A-1 REINFORCED ISOLATION JOINT
- PHASING LIMIT - TEMPORARY ISOLATION JOINT, PERMANENT TYPE K CONSTRUCTION JOINT
- REINFORCED PANEL (DETAIL 1, C-5002)
- DETAIL NUMBER
- SHEET NUMBER WHERE DETAIL CAN BE FOUND

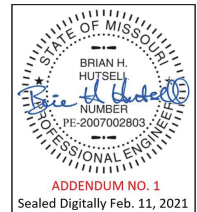
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Checked by:	TMM, ASF	Drawn by:	BHH
Plot Date:	11-Feb-21 12:50	Plot Scale:	AS SHOWN
Plot Size:	A (Full Size Sheet) 22" x 34"	Sheet No.:	20-046B-1
Project No.:	20-046B-1	Project Name:	MODOT AVIATION

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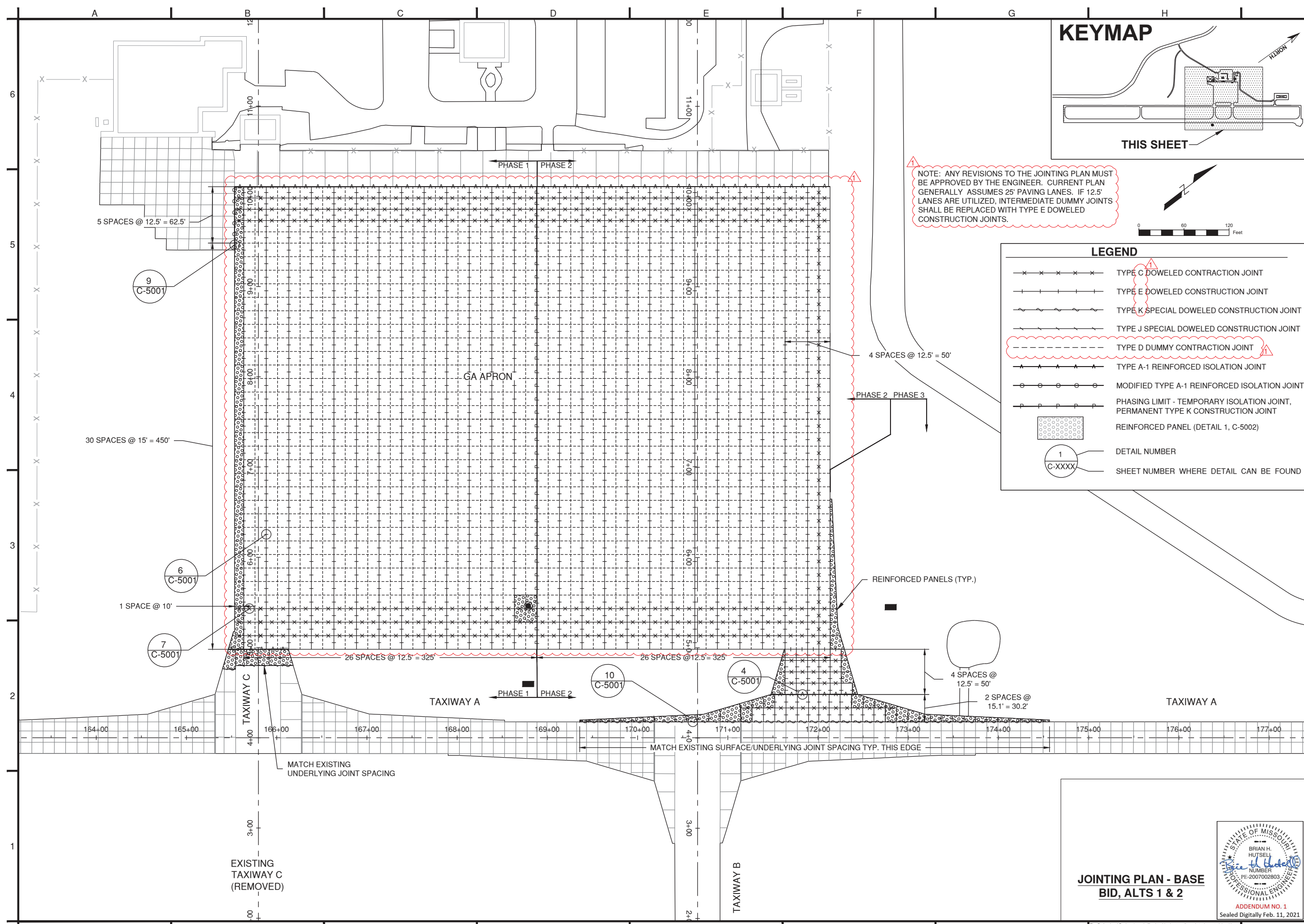
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 RECONSTRUCTION OF GA APRON
JOINTING PLAN - BASE
 BID, ALTS 1 & 2

20-046B-1
 Sheet 35 of 71
 Drawing: C-1403
 VOL. 1 of 1

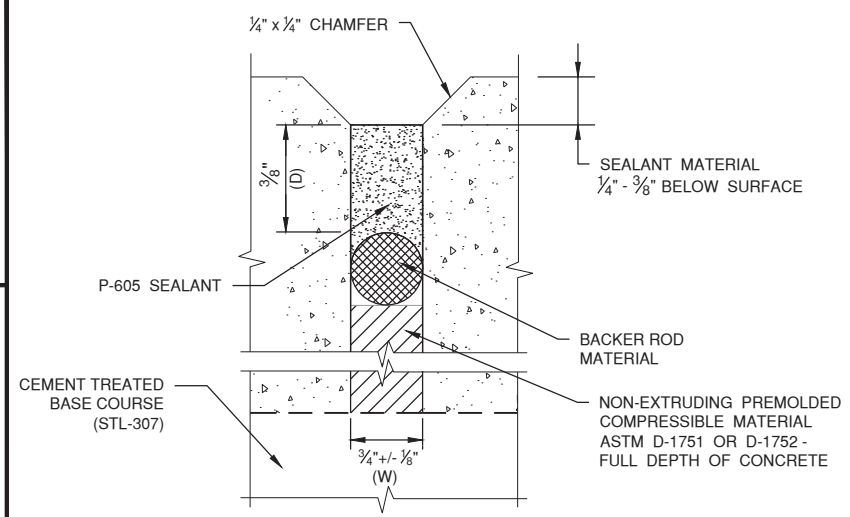


JOINTING PLAN - BASE
BID, ALTS 1 & 2

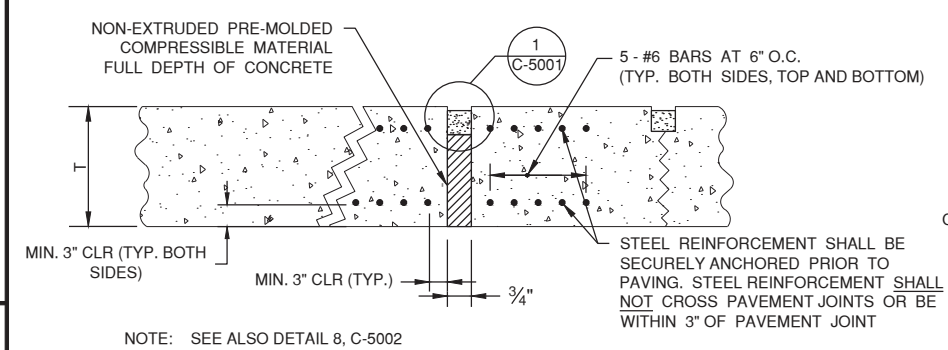
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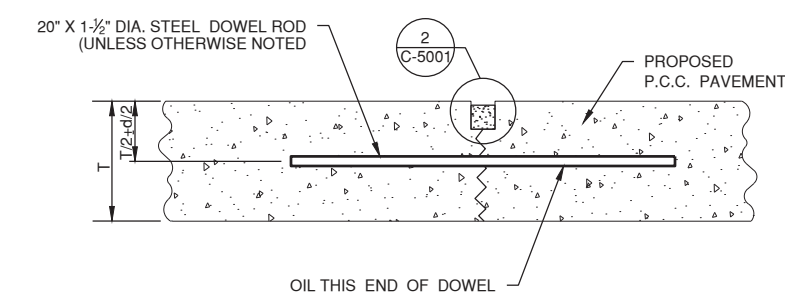
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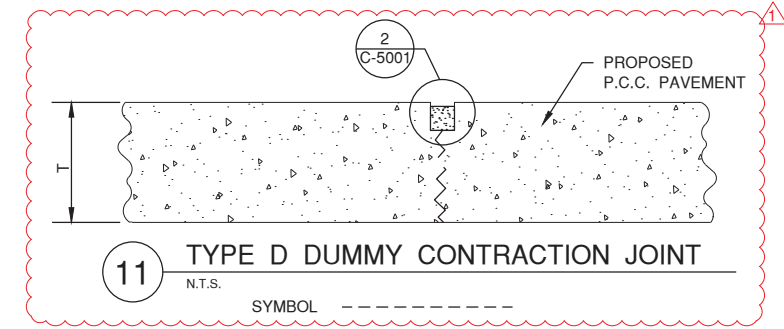
1 ISOLATION JOINT
N.T.S.



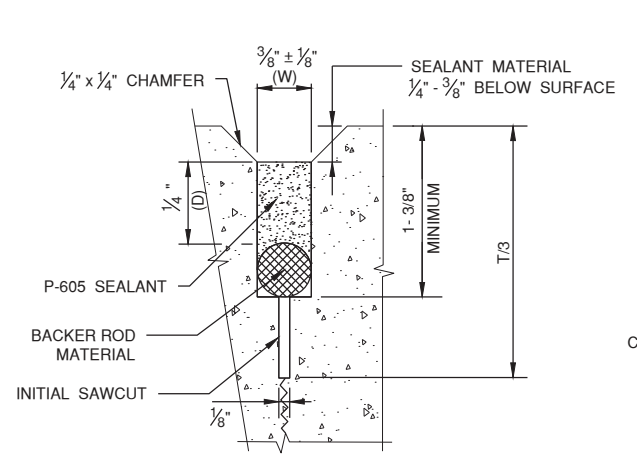
4 TYPE A-1 REINFORCED ISOLATION JOINT
N.T.S. SYMBOL



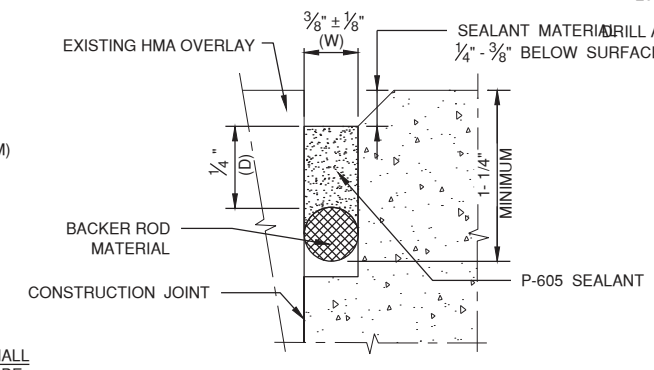
7 TYPE C DOWELED CONTRACTION JOINT
N.T.S. SYMBOL



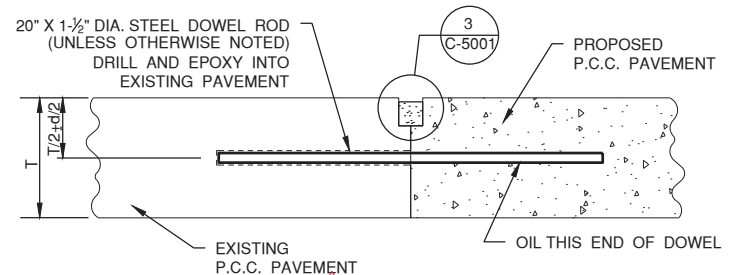
11 TYPE D DUMMY CONTRACTION JOINT
N.T.S. SYMBOL



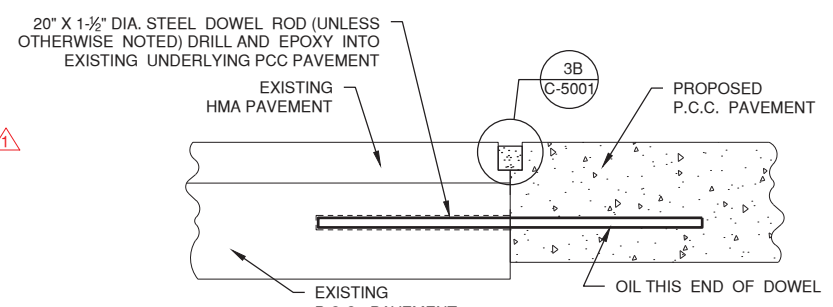
2 CONTRACTION JOINT
N.T.S.



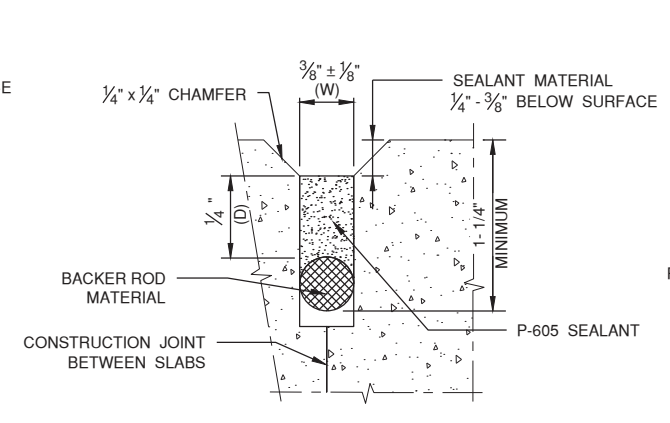
3B CONTRACTION JOINT
N.T.S.



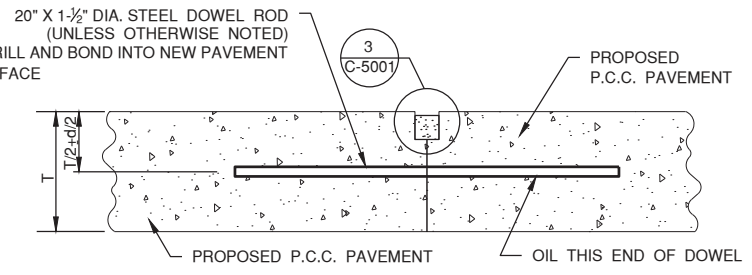
8 TYPE K SPECIAL DOWELED CONTRACTION JOINT
N.T.S. SYMBOL



10 TYPE J SPECIAL DOWELED CONTRACTION JOINT
N.T.S. SYMBOL

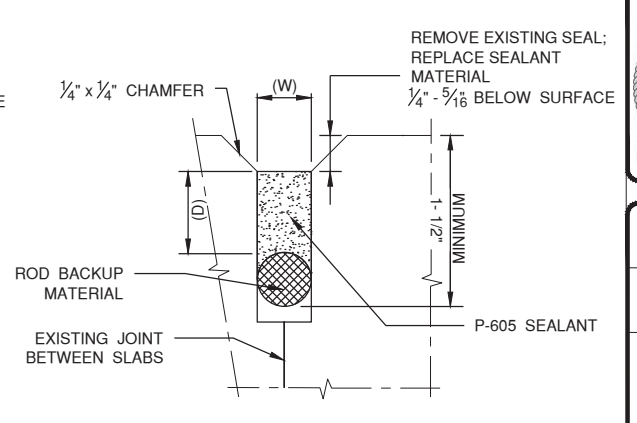


3 CONSTRUCTION JOINT
N.T.S.



6 TYPE E DOWELED CONSTRUCTION JOINT
N.T.S. SYMBOL

NOTE: WHEN ABUTTING TO EXISTING CONCRETE, INSERT DOWEL INTO EXISTING SLAB, DRILL AND EPOXY.



3A EXISTING JOINT BEVELING AND RE-SEALING
N.T.S. - EXISTING WIDTH AND DEPTH VARIES - MATCH MFR. DETAILS

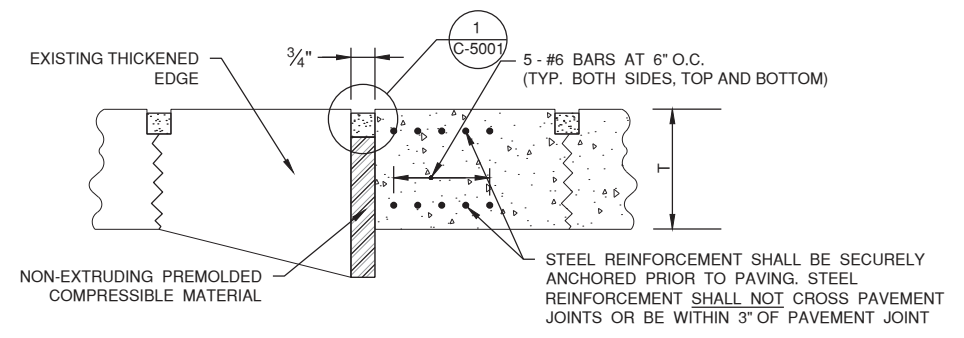
JOINT SEALANT NOTES:

- SEALANT RESERVOIR SIZED TO PROVIDE PROPER SHAPE FACTOR. W/D. FIELD POURED SEALANTS REQUIRE DIFFERENT SEALANT RESERVOIR SIZED TO PROVIDE PROPER SHAPE.
- BACKER ROD MATERIAL MUST BE COMPATIBLE WITH THE DESIRED SHAPE FACTOR. TYPE OF LIQUID SEALANT USED AND SIZED TO PROVIDE THE DESIRED SHAPE.
- PLACE TOP OF BACKER ROD MATERIAL AS SHOWN TO CONFORM TO MANUFACTURER'S SHAPE FACTOR. SEALANT DEPTH ("D") IS MEASURED FROM THE HIGHEST SHAPE FACTORS FOR OPTIMUM PERFORMANCE. CONTRACTOR SHALL SUBMIT MFG. RECOMMENDATIONS ON JOINT RESERVOIR WITH SEALANT SUBMITTAL.
- SEALING PROCEDURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

DIMENSIONS AND SPACING OF STEEL DOWELS

SLAB THICKNESS	DIAMETER	LENGTH	SPACING
11"	1 IN	19 IN	12 IN

NOTE: ALL DOWELS CENTERED ON JOINT UNLESS OTHERWISE NOTED



9 MODIFIED TYPE A-1 ISOLATION JOINT ADJACENT TO EXISTING THICKENED EDGE
N.T.S. SYMBOL



REVISION	DESCRIPTION	DATE	APPROVED
1	ADDENDUM NO. 1	2/11/21	BHH

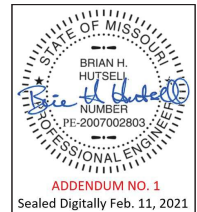
Designed by:	Approved by:	Project Date:
CMT	BHH	1/21/21
Drawn by:	Checked by:	Plot Scale:
TMM, ASF	TMM, ASF	
Plot Date:	Plot Scale:	
11-Feb-21 12:50		
Plot by:	Plot Scale:	
Brian Huttsel		
File Size:	File Size:	
47.1 KB	47.1 KB	
Material Project No.:	Material Project No.:	
20-046B-1	20-046B-1	
CMT Project No.:	CMT Project No.:	
20-046B-1	20-046B-1	

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1111 LEE C. FINE ROAD
KAISER, MILLER COUNTY, MO 65017



MODOT PROJ. # 20-046B-1
RECONSTRUCTION OF GA APRON
GENERAL DETAILS SHEET 1 OF 8

20-046B-1
Sheet 45 of 71
Drawing: C-5001
VOL. 1 of 1



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ACKNOWLEDGEMENT

Each bidder shall acknowledge receipt of this **Addendum No. 1** of

BASE BID: RECONSTRUCTION OF THE SOUTHERN PORTION OF THE GA APRON; DEMOLITION OF TAXIWAY CHARLIE FROM RUNWAY 4-22 TO TAXIWAY A

ADDITIVE ALTERNATE NO. 1: REALIGNMENT OF TAXIWAY BRAVO FROM TAXIWAY A TO THE GA APRON

ADDITIVE ALTERNATE NO. 2: RECONSTRUCTION OF THE NORTHERN PORTION OF THE GA APRON

by his/her signature affixed hereto, and shall attach this Addendum to the original bid.

CERTIFICATION BY BIDDER

SIGNATURE _____

TITLE _____

COMPANY _____

DATE _____

FAX/EMAIL TRANSMITTAL

To: Crawford, Murphy & Tilly, Inc

Attention: Brian Hutsell

Re: Addendum #1

Fax 314.436.0723

From:

(name)

(company)

Date:

To verify that all contractors are in receipt of this addendum, Contractors are asked to sign and date this acknowledgement sheet. The Contractor should fax or E-mail to Crawford, Murphy, & Tilly, Inc. at the number/address listed below by **February 12, 2021**.

Crawford, Murphy, & Tilly, Inc.
One Memorial Drive, Suite 500
Saint Louis, Missouri 63102

Fax: (314) 436-0723

Phone: (314) 436-5500

Email : bhutsell@cmtengr.com **and** vursin@cmtengr.com

BY: CRAWFORD, MURPHY, & TILLY, INC.