

**TOWN OF PLYMOUTH
PLYMOUTH MUNICIPAL AIRPORT**

CONSTRUCT, MARK, AND LIGHT TAXIWAY 'E' EXTENSION (APPROX. 500' X 35')

AIP No. 3-25-0042-53-2021

ADDENDUM No. 4

Date: January 6, 2020

The following is provided to clarify, add or delete information in the Contract Documents, Specifications and Plans for the above project. This information is required for bidding and construction, and the Bidder's acknowledgement of receipt of this Addendum is required on page B-1 of the BID PROPOSAL.

As a point of clarification, it should be understood that the Contract Documents govern all aspects of the project. Informal discussions held during the Pre-Bid Conference or over the telephone are informational only. All official changes to the Contract Documents are made only by addenda. The following changes and additional information are hereby made a part of the Contract Documents.

CLARIFICATIONS

1. Question: Based on Addendum #3, it appears we can work outside of the runway safety area for Phase 1A. Can I perform the work on the entire drainage basin in Phase 1A? It is not clear in your work area descriptions.

Answer: The division between Phases 1A and 1B have been redefined under Addendum 3. Work outside of the RW 6-24 Object Free Zone is in Phase 1A. Work within the RW 6-24 Object Free Zone is in Phase 1B. Note that the Object Free Zone is 200' horizontally from the runway centerline, and above the runway end elevation of RW 24. Work conducted below the runway end elevation within the horizontal offset can be considered in Phase 1A as long as no construction activities penetrate the runway end elevation.

DRAWINGS

1. Drawing S1.2 has been revised to clarify that the division of Phases 1A and 1B is the Object Free Zone (OFZ), which is 200' horizontally from RW 6-24 centerline, and above the RW 24 end point elevation.

WORK AREA 1A

MAJOR WORK ITEMS

1. INSTALL EROSION PROTECTION, SEDIMENT CONTROL (EPSC) MEASURES
2. REMOVE EXISTING PAVEMENT
3. CLEAR AND GRUB EXISTING VEGETATION
4. INSTALL DRAINAGE
5. INSTALL PAVEMENT, BASE AND SUBBASE MATERIALS
6. INSTALL LIGHTING, SIGNAGE AND PAVEMENT MARKINGS
7. INSTALL LOAM AND SEED

CONSTRUCTION SAFETY GENERAL NOTES:

1. CONTRACTOR SHALL INSTALL LIGHTED BARRICADES AS INDICATED IN THE SAFETY PLAN. BARRICADES SHALL BE LAID END TO END. SEE CSPP BARRICADE DETAILS.
2. NO SNOW FENCE OR DEMARCATION FENCE SHALL BE PLACED WITHIN THE RUNWAY SAFETY AREA OR TAXIWAY OBJECT FREE AREA UNLESS THOSE PAVEMENTS ARE CLOSED TO AIRCRAFT.
3. CONSTRUCTION ACTIVITIES MAY REQUIRE VEHICLES TO CROSS AIRPORT PAVEMENTS. CONTRACTOR SHALL MAINTAIN A VACUUM TRUCK ON SITE FOR REMOVING FOREIGN OBJECT DEBRIS (FOD).
4. SEE CONSTRUCTION SAFETY AND PHASING PLAN DOCUMENT IN PROJECT SPECIFICATIONS DOCUMENTS FOR ADDITIONAL INFORMATION.

WORK AREA 1A RESTRICTIONS ON CONSTRUCTION

1. WORK AREA 1A MAY BE WORKED ON CONCURRENTLY WITH WORK AREAS 1B
2. CONSTRUCTION OF WORK AREA 1A INCLUDES:
 - CONSTRUCTION OF TAXIWAY 'E' OUTSIDE OF RUNWAY 6-24 OBJECT FREE ZONE (OFZ)
 - REMOVAL OF TAXIWAY 'N' OUTSIDE OF RUNWAY 06-24 OBJECT FREE ZONE (OFZ)
3. CONSTRUCTION ACTIVITIES ARE RESTRICTED TO BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH SATURDAY. NO CONSTRUCTION MAY BE PERFORMED ON SUNDAY.

WORK AREA 1A NOTES:

LOCATION: TAXIWAY 'N', TAXIWAY 'E' LOCATED OUTSIDE OF RUNWAY 06-24 OBJECT FREE ZONE (OFZ)
 DURATION: 45 DAYS

AIRPORT AREAS IMPACTED:

1. RUNWAY 6-24 MALS, REILS AND PAPI SHALL BE DE-ENERGIZED FOR DURATION OF CONSTRUCTION IN WORK AREA. RUNWAY 6-24 LOCALIZER, GLIDESLOPE SHALL REMAIN DISABLED UNTIL PROJECT COMPLETION AND FAA FLIGHTCHECK IS PERFORMED.
2. PORTIONS OF TAXIWAY 'E' SHALL BE CLOSED DURING CONSTRUCTION.
3. TW 'N' WILL BE CLOSED DURING CONSTRUCTION.
4. BARRICADES SHALL BE PLACED AS NOTED ON PLANS.

WORK AREA 1B

MAJOR WORK ITEMS

1. INSTALL EPSC MEASURES
2. REMOVE EXISTING PAVEMENT
3. CLEAR AND GRUB EXISTING VEGETATION
4. INSTALL DRAINAGE
5. INSTALL PAVEMENT, BASE AND SUBBASE MATERIALS
6. INSTALL LIGHTING, SIGNAGE AND PAVEMENT MARKINGS
7. INSTALL LOAM AND SEED

CONSTRUCTION SAFETY GENERAL NOTES:

1. CONTRACTOR SHALL INSTALL LIGHTED BARRICADES AS INDICATED IN THE SAFETY PLAN. BARRICADES SHALL BE LAID END TO END. SEE CSPP BARRICADE DETAILS (THIS SHEET).
2. CONTRACTOR SHALL INSTALL RUNWAY CLOSURE MARKERS ON RUNWAY NUMERALS OF CLOSED RUNWAYS. SEE DETAILS (THIS SHEET).
3. NO SNOFENCE OR DEMARCATION FENCE SHALL BE PLACED WITHIN THE RUNWAY SAFETY AREA OR TAXIWAY OBJECT FREE AREA UNLESS THOSE PAVEMENTS ARE CLOSED TO AIRCRAFT.
4. CONSTRUCTION ACTIVITIES MAY REQUIRE VEHICLES TO CROSS AIRPORT PAVEMENTS. CONTRACTOR SHALL MAINTAIN A VACUUM TRUCK ON SITE FOR REMOVING FOREIGN OBJECT DEBRIS (FOD).
5. SEE CONSTRUCTION SAFETY AND PHASING PLAN DOCUMENT IN PROJECT SPECIFICATIONS DOCUMENTS FOR ADDITIONAL INFORMATION.

WORK AREA 1B RESTRICTIONS ON CONSTRUCTION

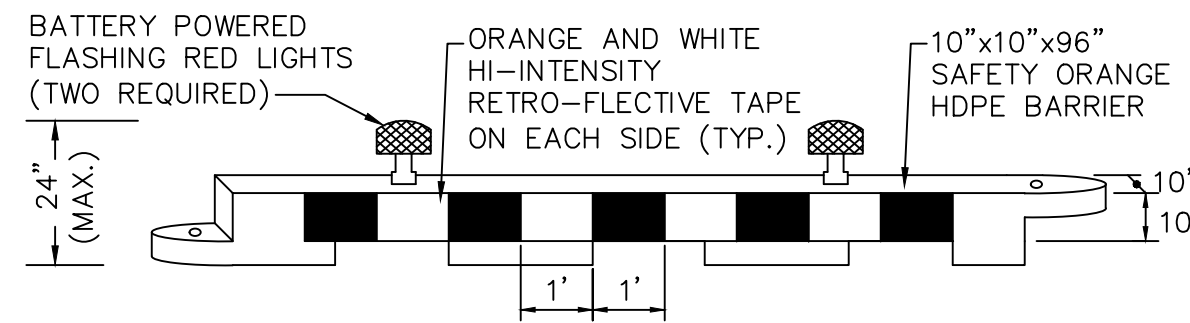
1. WORK AREA 1B MAY BE WORKED ON CONCURRENTLY WITH WORK AREAS 1A
2. CONSTRUCTION OF WORK AREA 1B INCLUDES:
 - CONSTRUCTION OF TAXIWAY 'E' INSIDE OF RUNWAY 6-24 OBJECT FREE ZONE (OFZ)
 - REMOVAL OF TAXIWAY 'N' INSIDE OF RUNWAY 6-24 OBJECT FREE ZONE (OFZ)
3. CONSTRUCTION ACTIVITIES ARE RESTRICTED TO BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH SATURDAY. NO CONSTRUCTION MAY BE PERFORMED ON SUNDAY.

WORK AREA 1B NOTES:

LOCATION: TAXIWAY 'N', TAXIWAY 'E' LOCATED INSIDE OF RUNWAY 6-24 OBJECT FREE ZONE (OFZ)
 DURATION: 20 DAYS CONSECUTIVE. WORK IS CONCURRENT WITH PHASE 1A.

AIRPORT AREAS IMPACTED:

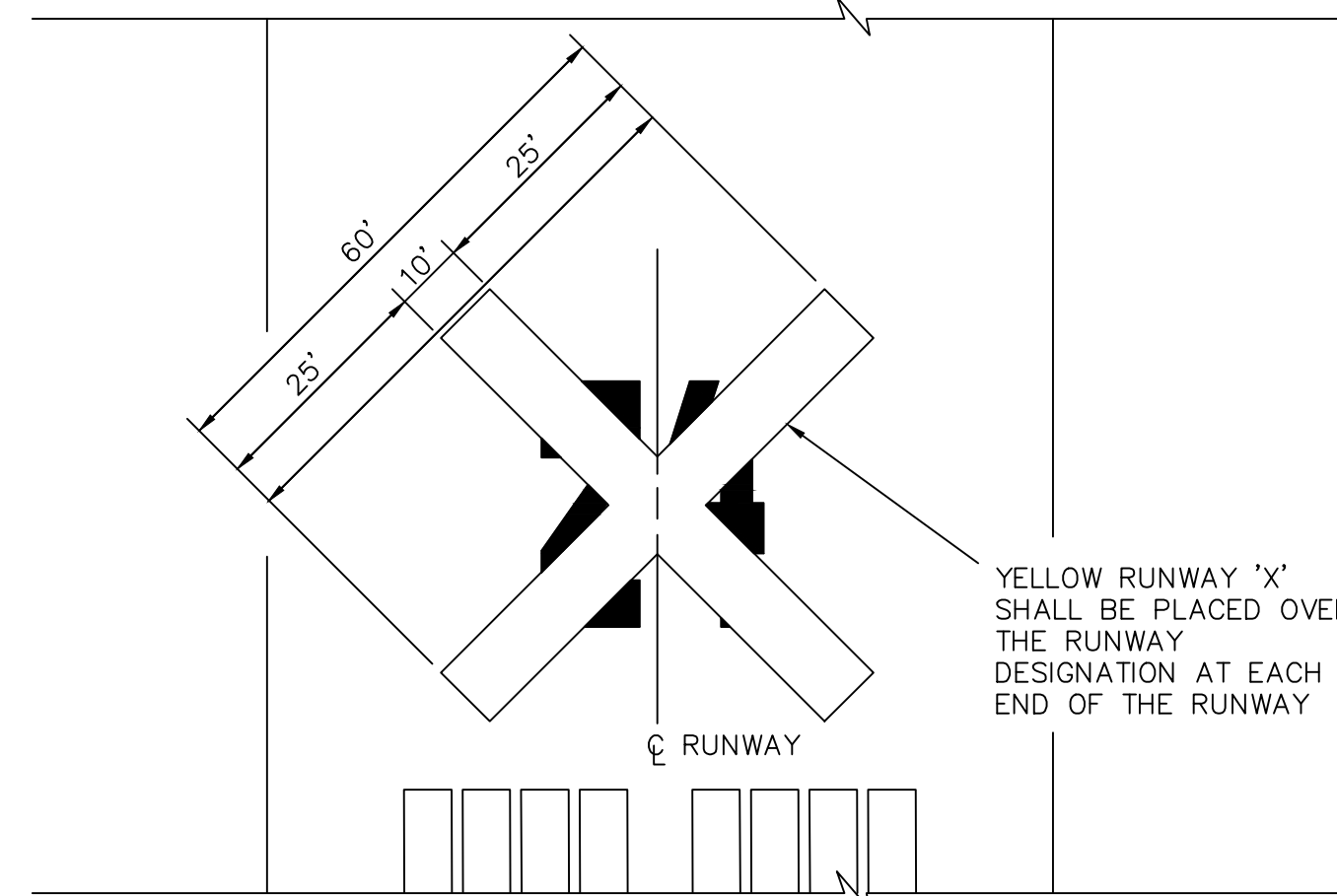
4. RUNWAY 6-24 SHALL BE CLOSED DURING DAYLIGHT HOURS.
5. RUNWAY 6-24 MALS, REILS AND PAPI SHALL BE DE-ENERGIZED FOR DURATION OF CONSTRUCTION IN WORK AREA. RUNWAY 6-24 LOCALIZER, GLIDESLOPE SHALL REMAIN DISABLED UNTIL PROJECT COMPLETION AND FAA FLIGHTCHECK IS PERFORMED.
6. PORTIONS OF TAXIWAY 'E', 'F', 'J', 'K', 'L', AND 'S' SHALL BE CLOSED DURING CONSTRUCTION.
3. BARRICADES SHALL BE PLACED AS NOTED ON PLANS



TYPICAL PLASTIC TYPE LIGHTED BARRICADE DETAIL
 N.T.S.

BARRICADE NOTES:

1. BARRICADES SHALL BE LAID END TO END.
2. BARRICADES SHALL BE FILLED WITH WATER.
3. BARRICADE LIGHTS SHALL BE EQUIPPED WITH PHOTOCELL AND OPERATE FROM DUSK TO DAWN.



NOTES:

1. NO PHASE WORK SHALL BE ALLOWED UNTIL THE TEMPORARY RUNWAY CLOSURE MARKINGS HAVE BEEN INSTALLED, ALL RUNWAY LIGHTING AND NAVIGATIONAL POWER IS TURNED OFF AND ALL MEASURES ARE ACCEPTED BY THE ENGINEER.
2. RUNWAY X'S SHALL BE CONSTRUCTED OF YELLOW VINYL-COATED MESH OR OTHER APPROVED MATERIAL.
3. RUNWAY X'S SHALL BE SECURED IN PLACE WITH SAND BAGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TEMPORARY RUNWAY CLOSURE MARKINGS FOR THE DURATION OF HIS WORK.

TEMPORARY RUNWAY CLOSURE DETAIL
 N.T.S.

TEMPORARY RUNWAY CLOSURE MARKER NOTE:

1. THIS PROJECT INCLUDES A PAY ITEM FOR RUNWAY CLOSURE MARKERS. THE CONTRACTOR SHALL UTILIZE THE MARKERS IDENTIFIED IN THE SPECIFICATIONS.
2. CONTRACTOR MUST USE L893 LIGHTED CLOSURE MARKERS FOR NIGHT CLOSURES.



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BID SET

NO.	DATE	DESCRIPTION	BY	CD
4	1/6/2020	ADDENDUM 4	RLT	MCG
3	12/18/2020	ADDENDUM 3	RLT	MCG
1	12/8/2020	ADDENDUM 1	RLT	MCG

**PLYMOUTH MUNICIPAL AIRPORT
 PLYMOUTH MASSACHUSETTS**

CONSTRUCT. MARK,
 AND LIGHT
 TW 'E' EXTENSION
 (APPROX. 500' x 35')

AIP NO. 3-25-0042-53-2021
 SHEET TITLE

**SAFETY PLAN
 DETAILS**

DRAWN BY DC	DATE NOV 2020
CHECKED BY MCG	D&K PROJECT # 326095
PROJ. ENG. RLT	D&K ARCHIVE #

DRAWING NO.

S1.2