

Addendum #3

Clarification for RFB AF 74-16 EAFB – Replace Vehicle Maintenance Structure, Bldg. #539

A. The RFB Opening Date & Time is changed from:

September 21, 2016 at 2:00pm CST

To

September 28, 2016 at 2:30pm CST

B. Questions/Answers

1. Will the portable storage buildings at either end of the building remain during demo and construction?

Users will remove portable storage buildings before the construction stage begins.

2. Will existing air compressor be relocated during construction and reinstalled by government? Is the compressor shed to remain or be demolished?

Users will remove before construction and re-install after completion.

3. Will contractor need to include branch piping from air compressor throughout facility as it exists now? If so are existing reels to be reinstalled?

Users will remove and re-install existing air reels. Include 1" branch piping from compressor as an "Option".

4. Is the existing water heater, hand sink, and eye wash station to be removed and replaced?

If these items do not fall within the areas of the slab saw-cutting/footer replacement, they may be left in place and covered/protected by the contractor. Should they need to be moved, they will be removed by the user.

5. Are any soffit panels expected on underside of roof structure or is exposed structure sufficient?

No soffit panels.

6. Please clarify required roof overhangs.

Provide 8"-0" overhangs except where adequate clearance is needed for existing power lines in this location, use 2"-0" if allowed by NEC. Further clarification: roof slope to match existing slope.

7. Please provide a list of user-provided electrical equipment that will be reinstalled or provided new by the Government in the new facility after construction is complete.

Previous clarification of items to be included on each column attempted to address these needs: See #10 below.

8. Will gutters and downspouts be required on new overhangs?

Site discussion indicated they would not be required due to the fact they would cause erosion due to concentrated flow. No gutters or downspouts required.

9. The existing service is served overhead from an overhead transformer. Does the new facility require the service to be relocated underground and a pad mount transformer installed?

A new pole mounted transformer be installed, sized as required. And route new service underground (36" below finished grade).

10. The existing service is 1 phase, would a new 3 phase, 120/208V, 4 wire service be required?

If there are no three phase loads and service is 200A or less, then a one phase service will be acceptable.

-- Power service to structure is fed from pole via overhead and enters via weather head on south end of structure. This also feeds the north E building via distribution panel on north end of facility.

-- Pole also includes a smart meter, a lift station fused disconnect and a service panel.

1. Meter should measure from CT above.
2. 30A fused disconnect is for lift station "538" north of adjacent chain-link fence.
3. Distribution Panel feeds compressor, dryer, water heater and green trailer.

-- Pole barn distribution Panel (north side of pole barn) includes:

- a. 220/240V 50A NEMA receptacle for the E building.
- b. Four (4) 220/240V 50A breakers for welder receptacles on each interior column (4 ea).
- c. Two (2) 20A circuits for each interior column to support four weatherproof 120V duplex receptacles. Total of eight (8) circuits.
- d. Lighting if not within separate panel. Weatherproof switches at center column, emergency lights reqd.
- e. Typical surge suppression, grounding, bonding for all panels as required.

11. If questions are received by 1PM today and answered by 1 PM tomorrow, that leaves only two business days to provide a FFP on a Design-Build proposal. Would the County consider a one-week extension to the bid due date?

County to extend bid date.

12. The existing slab is ramped on the southeast side to the main slab, but not the northwest, which appears to be the main access point - does the County wish a duplicate ramp to be installed?

No duplicate ramp.

13. Along the northwest edge of the existing slab are sections of wood lumber, are these to remain?

Yes, lumber sections at slab are to remain.

14. The answer to # below lists vehicle types but does not provide any load requirements or size requirements - is it the government's answer that the load and size of the equipment has no bearing on the project construction?

The government understands that the load and size of the equipment does have bearing on the project construction. Eglin AFB is attempting to assemble a list of vehicles maintained, but this info may be late in coming, so the bidders are to use their best estimate of typical loads and sizes per these type of vehicles for purpose of bidding.

15. The government answer to question # clear height is "preferred 21'-6."
In addendum 2, the government clarification for Bay/Eave height was, "at least 18' clear, 21'-6" preferred." Can the government clearly state which height so as to ensure the bid requirement is the same?

Clarification-use 18'-0" clear.

16. Again for question 14 below, the word "preferred" is used. Can the government clearly state the required overhang dimension?

Overhangs to be at 8'-0" except where it would interfere with clearance for existing electrical lines- in this location, use 2'-0" or maximum allowed by NEC.

17. Question #16 below states that the existing panels are to remain; however one of those panels is mounted to the center pole of the structure, nearest the metal building (NE end). IS this panel to be re-used?

No, provide new panel.

18. Regarding question #16 below - the existing panel on the pole with the transformers has four breakers feeding directly to equipment - there is no main breaker. Is this Eglin AFB code compliant?

Yes

19. Questions below refer to the government removing all equipment and material prior to construction; is that to include the metal building on the NE gable end as well as the green trailer on the SW gable end?

Users will remove re-locatable metal building and green metal trailer.

20. Question below answered there was no specialty equipment to be housed in the new structure, however during the site visit there were welding units, sand blasters, cleaning equipment. Do any of these items need to be taken into consideration for power requirements?

Yes. Previous clarification of items to be included on each column attempted to address these needs: Each column is to support the following:

Two Weatherproof Duplex Receptacles (110/120V, 20A)

One 220/240V 50A Receptacle (NEMA 6-50)
Lighting & Fan controls. (Fan as "Optional")

Equipment Includes:

Portable Welders, 50A receptacle as listed above. 220V, 44A max rating.

Air Conditioners, within E buildings (window units, 110V).

New Air Compressor, GFE/GFM Equivalent to Ingersoll Rand Model

UP6S-30200TAS240-230

Air Dryer included, will require sunshade/rain shelter housing.

Rotary Screw, 230V, 3 Phase, 30 HP, 92 CFM @ 200 PSI, 240 gallons, 1" tank outlet

95"L x 36"W x 76.5" H; Wt 2,130 lbs;

Bench Grinder

Water Cooler

Hot Water Heater, Existing, 110V.

Hose Fabricating Machine

Bead Blaster

Solvent Tank

Shop floor fans

Shop floor space heaters (winter season) Computer/Monitor/Printers Large ceiling fans for air circulation (Optional).

21. The base of the current power pole feeding the structure is less than 10ft from the corner - the direct distance from the nearest portion of the current structure to the nearest overhead line is less than 25ft, is this within base standards, as the NEC requires a minimum of 25ft?

Please provide the NEC article and paragraph for the 25ft requirement referenced.

22. Addendum #2 requires the following at each column: Two Weatherproof Duplex Receptacles (110/120V, 20A), One (1) 220/240V 50A Receptacle (NEMA 6-50).

The existing has the electrical receptacles on all the center columns and two of the perimeter. Does the government require this receptacle set on all columns or just the center columns?

TBD

23. Addendum #2 requests an optional price for large ceiling fans – can the government provide either a basis of design or performance requirements (CFM, number of speeds etc.) Exterior fans rated and produced for exterior, exposed (outside) conditions.

Other specifications are to be investigated and determined by the contractor during the design phase.

24. There is no exterior lighting/fixtures - is this a requirement for the maintenance work to be done?

Exterior lighting is not required on the exterior of the pole barn.

25. Are the existing compressed air hose reels, hose and air accessories to be removed and reinstalled or are they to be demolished with the structure?

Users will remove and re-install air hose reels, hose and air accessories and air compressor. Include new 1" branch piping from compressor as an "Option".

26. If the existing air lines and accessories are to be demolished, are new to be installed?

See #25 above.

27. Is the existing air compressor to be re-used?

See #25 above.

28. If the air compressor is to be re-used, will the government remove and re-install or will this be on the contractor?

See #25 above.

29. Is the existing portable eye wash station to be removed and replaced or re-installed - if re-installed, by contractor?

Removed and reinstalled by user.

30. If new compressed air hose reels are required, how many and of which kind (there are 1/2' lines and 1in lines existing)?

Users will remove and re-install air hose reels, hose and air accessories and air compressor. Include new 1" branch piping from compressor as an "Option".

31. What is the required roof slope or pitch?

Clarification: Color and type of roof to be per Eglin Architectural Standards. Slope to match existing.

32. Are the two existing buildings on the gable ends part of the electrical requirement? If so, what is the power requirements?

TBD

33. There is one lone electrical reel mounted on a center pole, please confirm that there are no requirements for electrical reels, only what was stated in Addendum #2 for the columns.

Correct.

34. Will the portable storage buildings at either end of the building remain during demo and construction?

Users will remove the portable storage buildings before the demo/construction phase.

35. Will existing air compressor be relocated during construction and reinstalled by government? Is the compressor shed to remain or be demolished?

See #25 above.

36. Will contractor need to include branch piping from air compressor throughout facility as it exists now? If so are existing reels to be reinstalled?

See #30 above.

37. Is the existing water heater, hand sink, and eye wash station to be removed and replaced?

No. See # 4.

38. Are any soffit panels expected on underside of roof structure or is exposed structure sufficient?

No soffit. Expose structure is sufficient.

39. Please clarify required roof overhangs.

Provide 8"-0" overhangs except where adequate clearance is needed for existing power lines in this location; use 2"-0" if allowed by NEC. Further clarification: roof slope to match existing slope.

40. Please provide a list of user-provided electrical equipment that will be reinstalled or provided new by the Government in the new facility after construction is complete.

See #20.

41. Will gutters and downspouts be required on new overhangs? Site discussion indicated they would not be required due to the fact they would cause erosion due to concentrated flow.

No gutters or downspouts.

42. The existing service is served overhead from an overhead transformer. Does the new facility require the service to be relocated underground and a pad mount transformer installed?

A new pole mounted transformer be installed, sized as required and route new service underground (36" below finished grade).

43. The existing service is 1 phase, would a new 3 phase, 120/208V, 4 wire service be required?

See #20.

44. Can we please have the items that will not be moved that the customer wants to keep to PLEASE mark the items that can be seen very well?

Users will remove items needing protection before the construction phase. Those items to remain, but that cannot be removed, will be clearly marked in order that they may be covered and protected by the contractor

45. On 8 ft. overhangs, do they want us to move the column lines out 8 ft., this would save money cutting a lot of concrete?

All the new columns should be in place of the existing columns.

46. What type of lights are to be used?

Exterior task lighting sufficient for vehicle maintenance, rated and manufactured for exposed environment (outdoor use).

47. The answer to a previous question regarding storm water permitting was, "yes, permitting is required, but is expected to be minimal." In my review of the scope of work, I do not see anything that would trigger the need for a State Wide Environmental Resource Permit for storm water through FDEP. Please clarify what type of permitting will be required and through what entity.

The contractor should investigate, verify and obtain the following and all applicable permits: A storm water Environmental Resource Permit pursuant to Chapter 62-330 FAC, and pursuant to Chapter 62-621 FAC, a NPDES storm water construction permit.