

**Scope of Work for Design-Build
Repair Exterior Deficiencies for Sioux Falls, SD VAMC
Project Number 438-18-500**

Repair exterior Deficiencies includes the design and construction of concrete paving, demolition, excavation, protecting/adjusting utilities, professional surveying/layout, grading, paving, traffic control, and retaining walls/structures.

A. Design Requirements:

1. The Design-Build Architect Engineer (AE) shall develop and complete the final construction documents and submissions as outlined in the Technical Information Library (TIL), located here: <https://www.cfm.va.gov/TIL/spec.asp>. Local specifications may be used in addition to government specifications as approved by VA engineer.
2. The AE shall conduct a boundary survey to ensure construction is within VA property lines. Construction staking will also be required.
3. The AE shall provide a design for a new roadway/parking, side walk, signage and striping, retaining wall, inlet structures, and traffic and erosion control.
4. The AE shall provide a phasing plans to minimize the disruption to parking and paving improvements.
5. The AE shall coordinate and communicate with the City of Sioux Falls for drainage and discharge requirements along with any city access or signage requirement.
6. The AE shall provide record drawings of the completed project in AutoCAD and paper form.

B. Construction Requirements: The description of work shall include the following for each task. The design-build contractor shall perform the following tasks once design is complete.

Task 1 Steps and Sidewalk: Set up traffic control. Protect utilities. Protect the hand rail that is currently located near the steps. Remove and replace sidewalk steps. Compact subgrade as needed. The sidewalk shall be 6" thick with A40 4000psi concrete over 4" of aggregate base course. Apply curing compound. Remove the steps and landing to the top landing to the nearest joint. Including the curb there are nine rises to get to the top of the stairs. Grade, hydro-seed, and paint the new steps and sidewalk.

Task 2 Fillet Section Part 1: Set up traffic control. Protect utilities. Full depth saw at each joint prior to removing the fillet section. Compact subgrade as needed. Remove and replace fillet section and curb. The concrete shall be 6" thick with A40 4000psi concrete over 6" of aggregate base course. Apply curing compound. Grade and hydro-seed disturbed area behind curb line.

Task 2 Drive & Parking lot Part 2: Set up traffic control. Protect utilities. Full depth saw curb and gutter and roadway. Remove and replace concrete drive and parking area. The concrete shall be 6" thick with A40 4000psi concrete over 6" of aggregate base course. Apply curing compound. Stripe parking lot stalls. Grade and hydro-seed disturbed area behind curb line and drive.

Task 3 Concrete paving: Set up traffic control. Protect utilities. Full depth saw at the nearest joint. Remove and replace concrete. The new concrete shall be 6" thick with Fast Track A40 4000psi concrete over 6" of aggregate base course. Apply curing compound.

Task 4 Stair to Parking lot 8A: Set up traffic control. Excavate as required. Protect utilities. Construction sidewalk and stairs per plans and specifications. The new concrete shall be 6" thick with A40 4000psi concrete over 4" of aggregate base course. Apply curing compound. Use expansion joint along existing curb and gutter. Grade area around retaining walls, stairs, and sidewalk. Haul off excess material. Hydro-seed any disturbed areas. Construct Stair section per details. Provide retaining wall and grading as required.

Task 5 Sidewalk: Set up traffic control. Protect utilities. Compact subgrade as needed. The sidewalk shall be 6" thick with A40 4000psi concrete over 4" Aggregate Base Course. Apply curing compound. Grade along concrete and hydro-seed disturbed areas.

Task 6 Remove & Replace Concrete Lot 2: Set up traffic control. Protect utilities. Remove and Replace Concrete with 6" A40 4000 psi Concrete over 6" Aggregate Base Course. Stripe parking lot as shown on the plans. Extend parking lot 8B to the current street. Coordinate with the City of Sioux Falls for Access from 26th street. Coordinate with the City of Sioux Falls for the drainage and discharge requirements.

Task 7 Phase 1 Concrete Paving: Set up traffic control. Protect utilities. Full depth saw at the nearest joint. Remove and replace concrete. Compact subgrade as needed. The new concrete shall be 6" thick with A40 4000psi over 6" of aggregate base course. Apply curing compound. Extend the street paving to parking lot 8B. Coordinate with the City of Sioux Falls for Access from 26th street

Task 8 Phase 2 Concrete Paving: Set up traffic control. Protect utilities. Full depth saw at the nearest joint. Remove and replace concrete including curb & gutter where shown. Compact subgrade as needed. The new concrete shall be 6" thick with Fast Track A40 4000psi concrete over 6" of aggregate base course. Apply curing compound. Grade topsoil and hydro-seed disturbed areas.

Task 9 Add Sidewalk: Side walk with retaining. Protect utilities. Compact subgrade as needed. Provide 6" A40 4000 psi concrete over 4" of Aggregate Base Course. Landscape any disturbed areas. Hydro-seed disturbed areas.

The contractor shall complete the project tasks outlined on the attached site plan. Specifications and details will be provided for each of the items below:

1. Utility Locating/adjusting
2. Erosion Control
3. Full Depth Sawing
4. Reinforcing Steel
5. Demolition of concrete and asphalt paving
6. Subgrade Remediation
7. Geotextile Fabric
8. Grading with Aggregate base course
9. Adjustment of valve box and manholes casting
10. Concrete and Asphalt paving
11. 3rd Party Testing – Subgrade, Aggregate base course, Asphalt, Concrete.
12. Paint Striping
13. Traffic Control to maintain hospital functions
14. Joint Sealing
15. Retaining walls
16. Landscaping including irrigation repair

C. Period of Performance (calendar days):

The total design period of performance is 151 calendar days and the total construction period of performance is 214 calendar days. The overall period of performance for the entire project is 365 calendar days after issuance of the Notice to Proceed.

1. Notice to Proceed – D=Day
2. Design Initiated – D+10 calendar days
3. 35% Submission – D+45 calendar days
4. 35% Review by VA Complete – D+59 calendar days
3. 95% Submission –D+123 calendar days
4. 95% Review Completed by VAMC – D+137 (This should be 14 calendar days from the time you decide.)
5. Documents Complete (CD issue) – D+151 calendar days. The design shall be complete with all submittals approved prior to start of construction.
6. Mobilization Complete – D+185 calendar days
7. Submittals Complete – D+185 calendar
8. Construction Complete – D+365 calendar days

*Note, the Repair Exterior Deficiencies design-build project is targeted to be awarded by the end of September 2018.

D. Attachments:

ATTACHMENT 3 - SOW Attachment - Repair Exterior Deficiencies Details - 4.6.18

ATTACHMENT 3 - SOW Attachment - Repair Exterior Deficiencies Plans - 4.6.18

End of SOW