

Cameron Estates Community Services District

2023 Road Work Scope & Description

Project #711321

All shoulders shall be backed a minimum depth of three (3) inches compacted thickness with ¾" Class 2 aggregate base throughout the project. Existing shoulders less than three inches lower than the pavement edge shall be excavated to allow for the proper depth of base. If the shoulder is not placed the same day of excavation, safety cones shall be placed per above until the base is completed. The aggregate base shall be placed with a wing-type shoulder machine and installed to grade (allowing for the compaction) without further shifting by other machinery. The aggregate base shall have adequate moisture throughout when placed and compacted to 95% density with vibratory rollers. Shoulders shall be two feet wide except at location 32 where it widens to 10 feet. The outside edge of this widening will taper to existing grade. All shoulder backing shall be completed per the schematic supplied after the HMA patching and before the GRCS installation.

Site 1 (21-1) Mini Storage Bridge- 4040 Cameron Road. Cam11 at SH7. GPS start: 38.65675, -120.99431

- **Shoulder** severely eroded South East inlet side.
- **Shoulder**, North corner inlet side washed out. 4 CY of unclassified fill, 13'L X 8'W X 1'D.
- **Armor** South West corner, outlet side, washed out. 3 CY of rip rap, 12" diameter. 9'L X 9'W X 1'D.

Site 2 – (21-2) Flying C Bridge - 4501 Flying C Road - FlyC5 GPS start: 38.64217, -120.98879

- **Washout.** Wing Wall, Northeast corner, inlet side washed out. 7 CY of unclassified fill, 12'L X 10'W X 1.5'D.
- **Washout.** Wing Wall, Northwest corner, inlet side washed out. 7 CY of unclassified fill, 12'L X 10'W X 1.5'D.
- **Debris cleanout.** Wing Wall, Northwest corner, inlet side. 15 CY of associated debris, 11'L X 6'W X 6'H
- **Washout shoulder**, North side, inlet side. 6 CY of gravel, 75'L X 4'W X 6"D.
- **Debris cleanout.** Wing Wall, South edge, outlet side. 15 CY of associated debris, 11'L X 6'W X 6'H.

- **Armor** washed out Southeast corner, outlet side. 8 CY of rip rap (8"- 12" D), 8'L X 6'W X 4'D.
- **Armor** randomly cracked and broken Southwest corner, outlet side. 4 CY of non-reinforced concrete covering rip rap, 31'L X 20'W X 2"thick.

Site 3 (21-3)- 4525 Deer Knoll Rd., North side of Rd. DeerKn GPS start:
38.64292, -120.98361. GPS stop: 38.64290, -120.98456

- **Reshape ditch and shoulder** as needed. 27 CY of gravel, 235'L X 3'W X 1'D, washed out.