

Resurface Various Streets Powell Bill FY26

APPENDIX D Resurfacing Technical Specifications



Technical Special Provisions:

1. Unclassified Excavation: Unclassified excavation will be determined by measuring the area of excavation and a maximum depth of (6) inches under base course. Undercut will be determined by all excavation below the (6) inch maximum for unclassified excavation.
2. Excavation: All excavation areas will be backfilled with Asphalt Concrete Binder Course Type I (19.0 B) to a depth of (3") in areas in which subgrade is deemed acceptable by the City of Fayetteville Engineer. All patching areas where the existing asphalt exceeds (3") shall be patched with Type (25.0 B) Bituminous Base Course. All areas shall be backfilled by the end of the workday and the street opened to traffic. In the event of an unforeseen problem, the contractor shall temporary backfill the excavated area with ABC stone at no expense to the City of Fayetteville.
3. Asphalt Cut: All Asphalt cuts shall be square or rectangular with two sides at right angles to traffic. The contractor shall use a cutting wheel or sawcut method in squaring the patch, any other method used shall be approved by the Engineer.
4. Curb & Gutter and Sidewalks: Curb & gutter and sidewalks shall be removed to nearest joint or saw-cut to a minimum depth of (2) inches. All saw cutting shall be performed with a wet saw method of controlling the amount of dust being generated. All new curb and gutter, and sidewalk shall be sprayed with a white pigmented curing compound within one hour of finishing.
5. Manholes and Valve Boxes: The adjustment of manholes and valve boxes will not be attempted until after the placement of base course and any leveling course and prior to placement of final course. Any debris that has fallen into the manhole or water valves during the adjustment process shall be removed before clean-up is considered complete. The City of Fayetteville will provide PWC a list of streets as they are completed for PWC to inspect for debris. Broken or badly worn storm sewer castings shall be replaced with new castings provided by the City of Fayetteville at no cost to the contractor. The contractor shall be responsible for exchanging worn castings at the City's facility. All PWC sanitary sewer and water valves shall be exchanged with new casting provided by PWC at no cost to the contractor. The contractor shall be responsible for exchanging the castings at the PWC facility. The City Engineer will notify the contractor of any streets in which the new PWC castings shall not be installed. Any street milled to a depth of (1-1/2") or greater shall have all castings ramped with a minimum (3') asphalt radius. This work will be considered incidental to the contract.

The final surface course shall be placed within (10) days after adjustments have been completed on each individual street.

6. Asphalt Concrete Surface Course Type S 9.5 B: Asphalt Concrete Surface Course Type S (9.5 B) will be used as a leveling course, thickness varies. Leveling may be placed only after Type I (19.0 B) and crack sealing have been completed. On every street, all leveling shall be completed before manholes can be adjusted.
7. Supervision by Contractor: At all times during the life of the project, the Contractor shall provide one permanent employee who shall have the authority and capability for overall responsibility of the project and who shall be personally available at the work site within (24) hours' notice. Such employee shall be authorized to conduct all business with the subcontractors, to negotiate and execute all supplemental agreements, and to execute the orders or directions of the Engineer.

8. Paving Operation: Every effort shall be made to minimize tracking of tack off the street that is being paved onto adjoining streets.
9. Interim Pavement Markings: No separate payment will be made for Interim Pavement Markings. All payment for Interim Pavement Markings shall be included in the Thermoplastic Markings bid price. Interim Pavement Markings will be considered incidental to the contract.

The following streets shall receive Multi-Use Thermoplastic Pavement Markings and be Resurfaced: Bromsworth Trail, Moriston Road, Kinkead Court, Mesa Drive, Mesa Court, Osage Court, Murray Fork Drive, Viking Drive, Youngstown Drive, Longbranch Drive, Wildlife Way, Cottonbelt Way, Rail Fence Court, Wagon Wheel Court. Annex Area 26 Streets: Woodmark Drive, Sandridge Drive, Bryanstone Way, Millstream Road, Buttermere Drive, Vance Drive, Ferncreek Place, Brasswood Drive, Mahogany Road, Wichersham Road, Skyhawk Drive, Hurtbourne Lane. Brockwood Street, Timbercroft Lane, Mossyvale Way, Flying Cloud Lane.

10. Traffic Services Notification: The contractor's foremen shall notify traffic services by 2:00 p.m. the previous day of any work to be done on the following day. The foremen shall give the street name and type of traffic control to be used during their operation. Any interruption or interference with normal traffic operations must have proper signage & traffic control devices. Failure to follow this will result in immediate suspension of work & the contractor shall remove all equipment from the city Right-of-Way. For street closures, see technical provision "Traffic Control ". (910) 433-1660
11. **Non-Weekday Work**: No work shall be performed on a Saturday, Sunday or a legal holiday, this will not apply to any work directed by the engineer or specified in the special provision.
12. Public Notice: The contractor shall notify all residents (5) days before any work shall begin on any street. Door hangers will be provided by the City of Fayetteville at no expense to the contractor. The contractor shall arrange the distribution of the door hangers according to their work schedule.
13. Towing of Vehicles: Any vehicle that the Contractor deems necessary to have towed or moved to enable any work shall be at the Contractor's expense. The City of Fayetteville shall have no liability in any case. If the vehicle is said to be disabled, the property owner shall provide to the Contractor and the City of Fayetteville a Release of Claims, signed and dated before the vehicle is relocated.
14. Price Adjustment-Asphalt Binder for Plant Mix: Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the NCDOT Standard Specifications as modified herein.
- The base price index for asphalt binder for plant mix is \$563.13 per ton.
 - This base price index represents an average F.O.B. selling prices of asphalt at supplier's terminals on June 01, 2025
15. Surface Quality of Bituminous Surface Course: All final surface courses and all leveling courses shall be placed utilizing a (30) foot minimum length mobile grade reference system

to control longitudinal profile. This shall be utilized on all streets greater than (300') in length, the only exception is in cul-de-sac areas. Manual screed operation will be permitted in irregularly shaped and minor areas less than (500') and cul-de-sac areas. Waiver of the use of automatic screed control does not relieve the Contractor of achieving specifications within the contract.

16. Pavement Marking Paint: The Contractor shall provide the City of Fayetteville with minimum of (6) cases of white pavement marking paint for the purpose of marking proposed patching areas and other incidental markings. Any unused paint will remain the property of the City of Fayetteville. The cost associated with providing the paint will be considered incidental to the contract.
17. Milling Streets: All milled streets shall have the final surface course placed no later than (30) calendar days from the date the milling was completed on each individual street. No paving will be permitted for a minimum of (10) days following the completion of the milling operations. A minimum of (10) calendar days will be allowed for the installation of traffic loops after completion of patching, leveling courses, utilities adjustment and before placing final paving lift.

Streets to be Milled

1. Hilliard Drive
2. Player Avenue
3. School Street
4. Link Street
5. B Street
6. C Street
7. Burns Street
8. Regiment Drive
9. Rivenoak Drive
10. St Marys Parkway

Streets to be Edge Milled

1. Glen Canyon Drive
2. Buie Court
3. Trenton Road
4. Alberry Place
5. Ruby Road
6. Maxine Street
7. Trevino Drive
8. Sarazen Drive

18. Testing Requirements: Each individual street will be considered a lot during the paving operations. Each street lot) shall meet the minimum required number of density test in accordance of the 2018 NCDOT Standard Specifications (or current edition). All cost associated with the required testing frequency will be considered incidental to the contract. Any lot average that fails to meet the minimum percentage of maximum gravity specified within (2%), will be paid in accordance to section 610-14 of the 2018 NCDOT Standard Specifications. Any lot average failing more than (2%) of the required minimum specific gravity shall have the bituminous asphalt course removed and replaced at the contractor's expense. Any corrective measures shall be approved by the Engineer prior to the removal & replacement of bituminous asphalt course.

19. **Liquidated Damages** shall be applied to the Contractor in the amount of \$500.00 per day/per street for each street not resurfaced after (10) calendar days of completion of the utility adjustments on each street. In addition: any street not resurfaced within the (10) days specified above, the contractor shall provide all supervision, labor, tools, materials and equipment necessary to ramp the raised utilities with a minimum (3') asphalt radius at the contractor's expense. Construct the ramp using any type of asphalt surface course plant mix meeting the requirements of NCDOT.

Refer to C-520 for rest of the liquidated damages for this project.

20. Inspector will provide Contractor with the Pavement Markings list for streets at time of pre-construction conference.