



MEMORANDUM

TO: Timothy J. Baroody, City Manager
FROM: Diane Beyer, Director of Public Works
Bassam Amin, City Engineer
DATE: May 16, 2022 (for the May 24 Council Meeting)
SUBJECT: FY23 Asphalt Rehabilitation Program – Transmittal of Proposed List of Streets

ISSUE

Transmittal of the Proposed List of Streets to be included in the FY23 Asphalt and Concrete Rehabilitation Program.

RECOMMENDATION

We recommend that City Council adopt the attached resolution approving the attached List of Streets for the FY 2023 Asphalt Rehabilitation Program.

The contract being developed based on the attached list would include both the “normal” FY 2023 Asphalt Rehabilitation Program and the separate project for the conversion of Fall Hill Avenue and Washington Avenue from one-way traffic to two-way traffic.

BACKGROUND

FY 2023 Asphalt Rehabilitation Program – Street List

Public Works staff has prepared a proposed FY23 Asphalt Rehabilitation Program. The proposed List of Streets to be improved is attached.

The program consists of milling and asphalt resurfacing on some streets, while other streets require complete reconstruction to provide for an adequate base and proper drainage. When a street is rehabilitated, any deteriorated adjacent sections of concrete curb, gutter, accessibility ramps and sidewalk are replaced prior to the resurfacing or reconstruction of the street.

Public Works staff surveyed the streets of the City to develop the attached list. Various types of pavement distress, such as reflective cracking, alligator cracking, rutting, utility cuts and joint failure were observed. The streets were inspected to determine the degree and type of deterioration and work required to restore them to acceptable conditions, including concrete rehabilitation adjacent to the pavement and drainage improvements.

While we found that many of the streets in the City require some degree of rehabilitation, we concentrated on those streets in the worst condition and/or with high volumes of daily traffic. The streets included on the attached list have been determined to meet one or both of these criteria.

Assuming City Council approval of the program, staff will solicit bids and present a recommendation for contract award to City Council at a later date for performance of the improvements.

Fall Hill Avenue / Washington Avenue One-Way Two-Way Conversion

The Fall Hill Avenue, Washington Avenue, and Maury Street one-way pair was identified through the Area 6 Small Area Plan process as a traffic pattern that should be converted back to two-way travel. An engineering study was completed by EPR, PC (the City's transportation consultant from Charlottesville, Virginia) in 2019, which generated a concept striping, signage, and pedestrian improvement plan for the traffic conversion. The City staff have finalized that concept, which is attached to this memo and will be used to bid the construction of the project.

FISCAL IMPACT

The Public Works Department estimate for the attached list of streets is \$1,591,099. The FY 2023 Capital Budget includes \$700,000 in funding for this project. In addition, the staff will request that City Council approve carryover of funds in the amount of \$894,110 in the Public Works Capital Budget not spent on the asphalt program in FY 2022. This request will be presented to the City Council for consideration during an upcoming meeting when other similar considerations are presented. If approved, funds would be available within the City's FY 2023 capital budget in the amount of \$1,594,110 to accomplish the normal asphalt rehabilitation program for FY 2023.

In addition, the one-way/two-way traffic conversion centered on Fall Hill Avenue and Washington Avenue was included in the FY 23 Capital Budget as a separate project, with \$600,000 allocated. The City Engineer has completed his cost estimate for the project, which totals \$598,312. The project includes the conversion of the traffic pattern, replacement of 26 sidewalk ramps with modern accessible ramps, as well as additional pedestrian calming at the intersection of Virginia Avenue and Fall Hill Avenue in the vicinity of the existing FRED bus stop.

The actual cost of the work will vary from the estimate depending upon the results of the bid based on the cost of materials and variations in asphalt quantity between the estimate and the actual work.

Attachment: List of Streets
One-way to two-way Traffic Conversion Plan



May 24, 2022
Regular Meeting
Resolution No. 22-__

MOTION:

SECOND:

RE: Adopting the List of Streets to be Improved During the Fiscal Year 2023 Asphalt Program

ACTION: APPROVED; Ayes: 0; Nays: 0

The Department of Public Works has inspected the streets of the City and has prepared a list of streets for rehabilitation through the FY 2023 Asphalt Rehabilitation Program.

Fall Hill Avenue, Washington Avenue and Maury Street will be converted from one-way to two-way traffic as identified through the Area 6 Small Area Plan process. The process will include conversion of the traffic pattern including replacement of sidewalk ramps and additional pedestrian calming improvements.

Therefore, the Council of the City of Fredericksburg, Virginia does hereby adopt the attached list of streets to be rehabilitated during FY 2023 and authorizes the City Manager to prepare plans, specifications and bid documents, to secure bids from qualified contractors and to present to the City Council a recommendation for award of contracts to perform the Asphalt Rehabilitation Program.

Votes:

Ayes:

Nays:

Absent from Vote:

Absent from Meeting:

Clerk's Certificate

I, the undersigned, certify that I am Clerk of Council of the City of Fredericksburg, Virginia, and that the foregoing is a true copy of Resolution No. 22- duly adopted at a meeting of the City Council meeting held May 24, 2022 at which a quorum was present and voted.

Tonya B. Lacey, CMC
Clerk of Council

City of Fredericksburg FY 2023 Asphalt Listing

Hospital Dr. (Mill & Surface)	Mary Washington Blvd.	Cowan Blvd
Care Way (Mill & Surface)	Hospital Dr.	Traffic Circle
George Street	Prince Edwards Street	Princess Anne Street
Hanover St. (Mill & Surface)	William St.	College Ave.
Hanover St. (Mill & Surface)	College Avenue	Sunken Rd.
Sophia Street	Wolf Street	Hanover Street
Franklin St. (Mill & Surface)	Grove Ave.	Monroe St.
Monument Ave. (Mill & Surface)	Kenmore Ave.	Sunken Rd.
Grove Ave. (Mill & Surface)	Kenmore Ave.	Sunken Rd.
Monroe St. (Mill & Surface)	Kenmore Ave.	Sunken Rd.
Lewis St (Mill & Surface)	Sophia St	Caroline St
Liberty St (Mill & Surface)	William St	George St
Sylvania Avenue (Mill & Surface)	Sunken Road	Little Page
Peace Pipe Lane (Reconstruct)**	Apache Terrace	End

**Subject to landowner approval of easement proposal

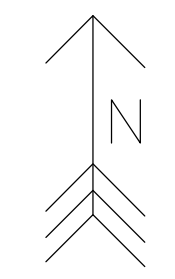
In addition, the City will include the improvements necessary to convert the traffic pattern from one-way to two-way in the area of Fall Hill Avenue and Washington Avenue.



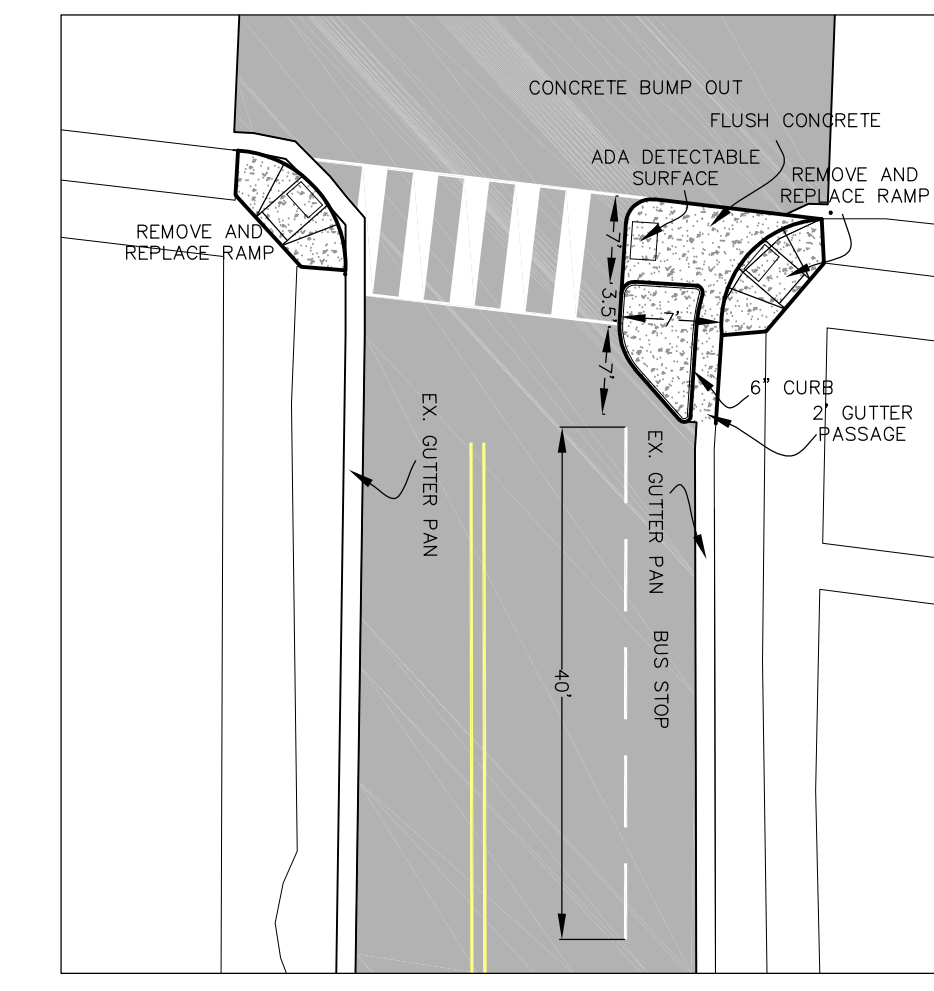
ONE WAY TO TWO WAY
TRAFFIC CONVERSION

WASHINGTON AVE., FALL HILL
AVE., AND MAURY STREET

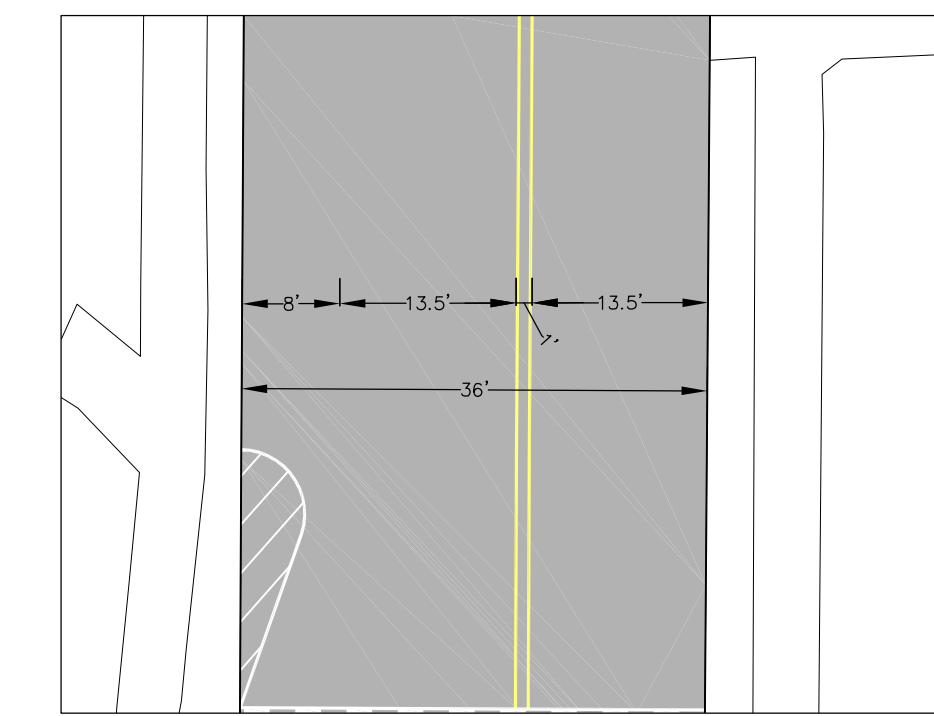
1" = 100'
MAY 16, 2022



- 199,639 SF PAVEMENT AREA
- 8,846 LF YELLOW STRIPE
- 2,805 LF WHITE STRIPE
- 22 EA DIRECTIONAL ARROW (SIMPLE)
- 5 EA DIRECTIONAL ARROW (MULTI)
- 12 EA HIGH VISIBILITY CROSSWALK
- 42 EA PARKING GORE
- 1 EA PED. BUMP-OUT (VIRGINIA AVE.)
- 4 EA PED. RAMP REMOVE / REPLACE
- 8 EA STOP BARS
- 2 EA STOP SIGNS
- 2 EA SCHOOL ZONE FLASHING BEACONS
- 40 EA NO PARKING SIGNS

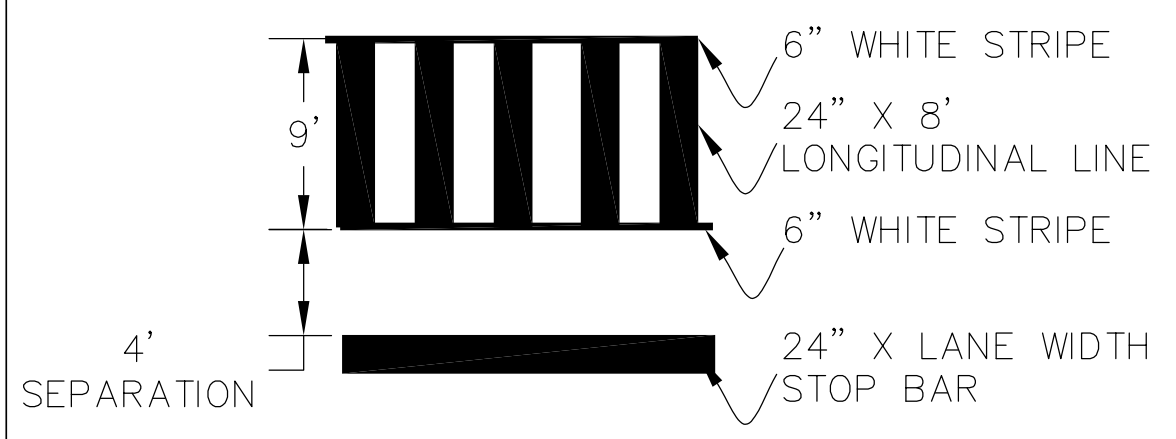


DETAIL 1 - FALL HILL PED. IMP.
N.T.S.

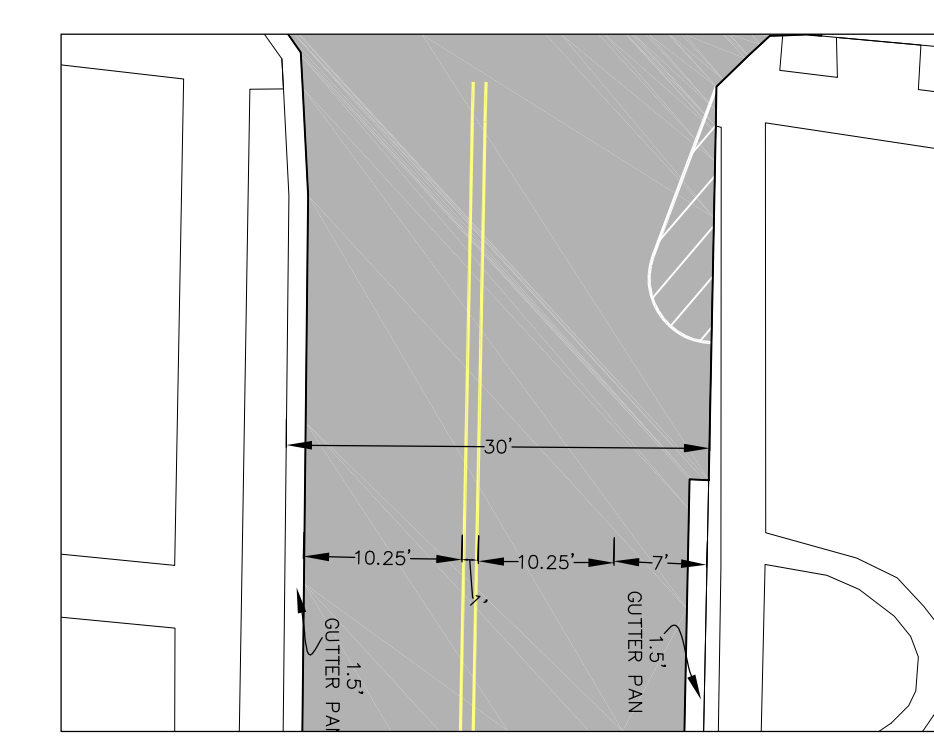


SECTION 1 - FALL HILL AVE
N.T.S.

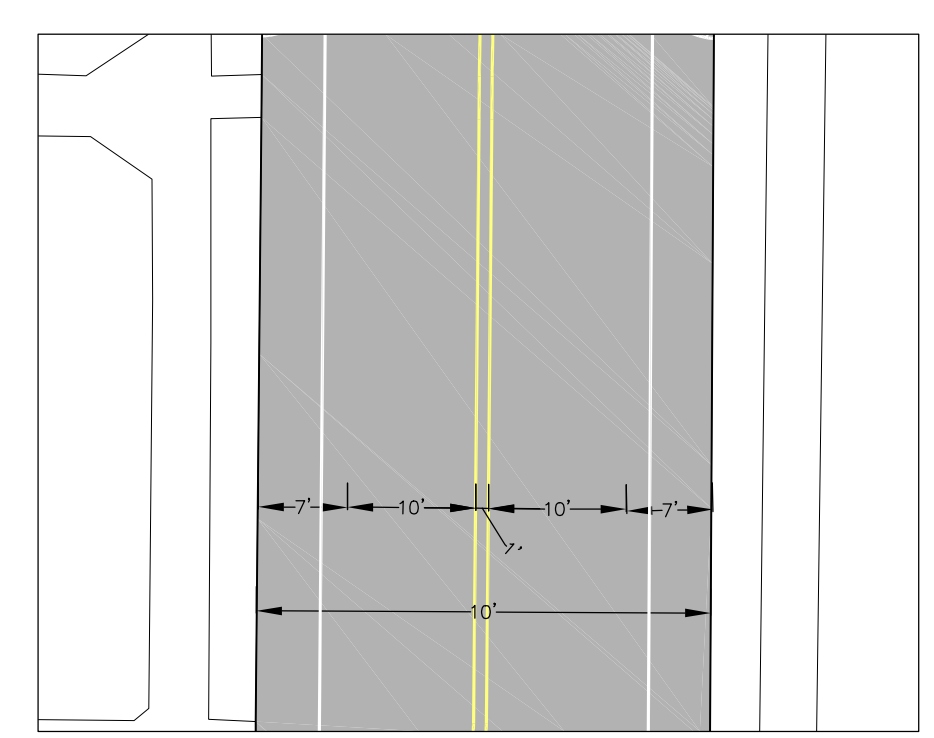
CROSS WALK / STOP BAR DETAIL



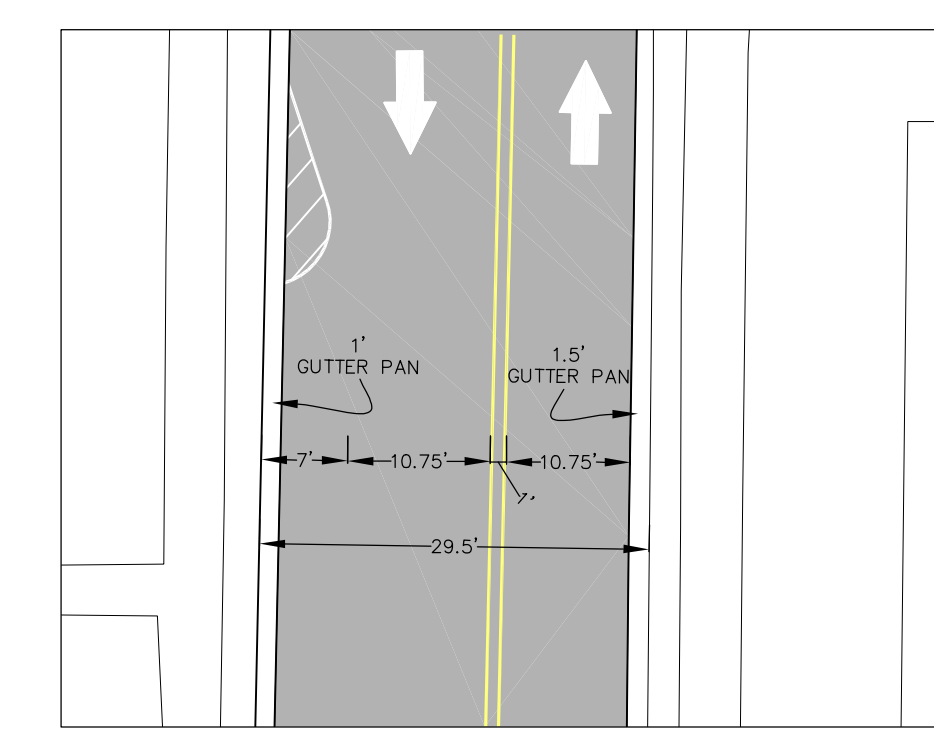
* THERMOPLASTIC TO BE USED FOR ALL MARKINGS



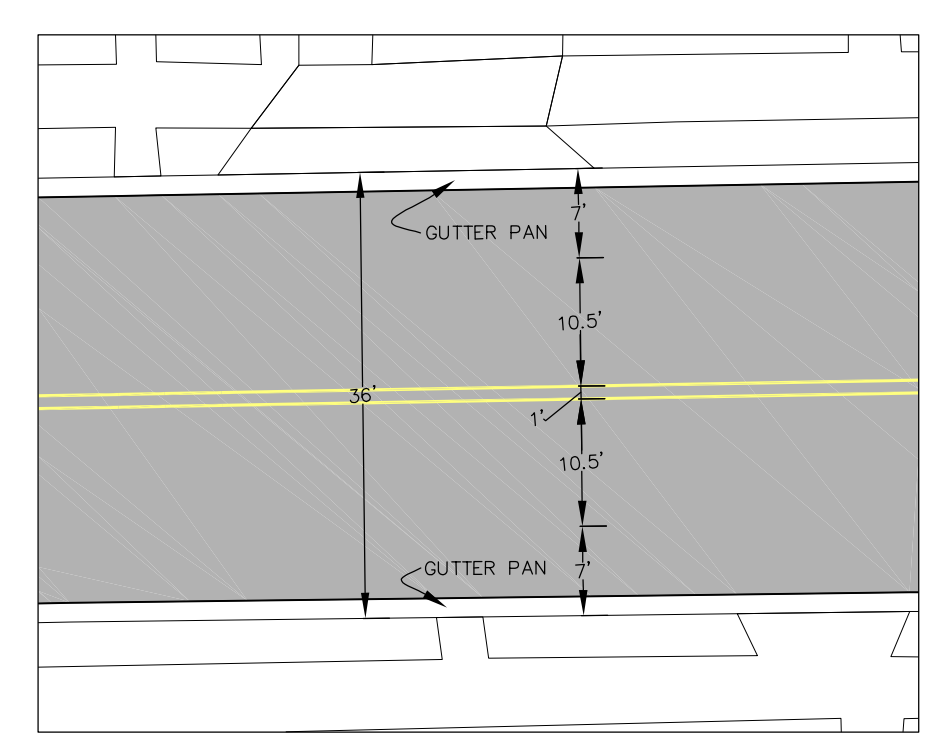
SECTION 2 - FALL HILL AVE
N.T.S.



SECTION 4 - WASHINGTON AVE
N.T.S.



SECTION 3 - FALL HILL AVE
N.T.S.



SECTION 5 - MAURY ST
N.T.S.