PLANS FOR:
NEBEL STREET SEPARATED BICYCLE FACILITY
MONTGOMERY COUNTY, MARYLAND RANDOLPH ROAD TO MARINELLI ROAD

SEPTEMBER 21, 2015 - 90% SUBMITTAL

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CONTACTS

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GENERAL NOTES

1. Base mapping was prepared from GIS data provided by MCDDOT. All dimensions shall be verified in the field prior to placing striping, symbols or signs. When these plans are in conflict with actual site conditions, proposed striping and signs may be adjusted as directed by the engineer.

2. All striping and signs work shall comply with the latest applicable Maryland Manual on Uniform Traffic Control Devices (MUTCD) and MCDDOT standards and specifications. Signs shall be fabricated and installed in accordance with MUTCD and SHA standards and specifications.

3. All existing pavement markings may not be shown. All existing pavement markings that conflict with proposed pavement markings shall be eradicated by a method approved by MCDDOT.

4. All construction materials and procedures shall be governed by the Montgomery County Division of Transportation Engineering Design Standards.

5. The contractor is responsible for contacting M.S. utility prior to beginning work. Any damage to utilities must be repaired or replaced by the contractor at its own expense.

6. The contractor shall take adequate precaution to protect all grading, sidewalks and features outside the limits of work and shall repair and replace or otherwise make good as directed by the engineer any such or caused by the contractor's operations at no additional cost to MCDDOT.

SIGNING AND PAVEMENT MARKINGS

7. All pavement markings are thermoplastic unless otherwise noted.

8. Fire hydrants - Not all fire hydrants have been located for this striping plan. Field verify fire hydrant locations and strip no parking zone for 10 feet on either side of fire hydrant.

9. Driveways - Not all driveways have been located for this striping plan. Field verify driveway locations before applying striping.

10. All signs shall be high intensity reflective sheeting meeting the requirements of ASHTO M186.

11. Proposed signs shall be installed so that no portion of the sign panel overhangs adjacent roadway pavement. I.e., shall not hang in front of a face of curb.

12. Proposed sign posts shall be located a minimum of 2 feet behind any adjacent face of curb. If located in or adjacent to sidewalks, a 32" minimum clearance and 48" preferred passing space on existing and proposed sidewalks shall be maintained.

13. Proposed signs and relocated existing signs shall be installed so they do not block the visibility of any existing signs or signals, or obstruct sight lines at intersections.

14. Proposed signs and posts shall be clear of existing fire hydrants, surface utility, and overhead utility equipment a minimum of 10 feet.

15. For new post installation, the contractor shall verify that there are no conflicting underground or overhead utilities.

16. New post installation shall comply with MD SHA Standard No. MD-802.04 and MD-812.08-1.

17. Signs mounted to existing light, signal, or utility poles shall be fastened with a manufactured steel banding system per MD SHA Standards No. MD-812.08. Poles shall not be drilled directly. The contractor shall submit manufacturer information on the banding system to the engineer for approval prior to installation.

18. If sign installation is shown on a pole that is not owned by the County, written permission must be obtained from the owner utility company or property owner, the contractor is responsible for obtaining required permission.

19. All crosswalks shall be installed connecting the curb ramps such that the curb ramps fall within the marked crosswalk. Minimum crosswalk width is 10 feet, maximum crosswalk width is 20 feet. Diagonal corner curb ramps shall have a clear space of four feet within the crosswalk markings. Crosswalk markings shall be approved by the engineer prior to final installation.

MARKING LEGEND

existing

proposed

- sign and post

- bicycle lane symbol

- shared lane marking symbol

- 5' solid white lane line (e.g., inside bike lane line)

- 10' solid white lane line (e.g., outside bike lane line)

- 8' broken white lane line (10' stripe, 30' skip)

- 5' dotted white lane line (2' stripe, 4' skip)

- 10' dotted white lane line (2' stripe, 4' skip)

- 5' solid yellow lane line

- 5' solid yellow centerline (cycle track)

- 5' dashed yellow center line (cycle track - 3' stripe, 9' skip)

- 5' double solid yellow centerline

- 8' solid yellow with 5' broken yellow lane line (1/2 stripe, 3/4 skip)

- 8' solid white/black contrast tape (suggested manufacturer: 3M Stamar or Approve Equal)

- 10' solid white channelization line (45' typ.)

- 10' solid yellow channelization line (45' typ.)

- 18' stop line

- 24' stop line

- crosswalk with 2' SWL - 6' O.C. aligned with direction of travel unless otherwise noted

- white pavement arrow, refer to visual aid

- green preformed thermoplastic pavement marking material

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C1.0

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CYCLE TRACK SYMBOL PLACEMENT NOTES:
1. DO NOT PLACE SYMBOLS ON LANE LINES.
2. PLACE LANE SYMBOLS WITHIN CENTER OF EACH CYCLE TRACK LANE.
3. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.

LANE LINE - 5 INCH WHITE
3" FLEX POSTS, SEE PLAN SHEETS FOR SPACING

BUFFER LINE - 5 INCH WHITE LINE

ONE-WAY CYCLE TRACK
6 FOOT MINIMUM WIDTH

DIAGONAL LINE - 10 INCH WHITE, 45 DEGREES FROM EDGE OF TRAVELWAY, 2F DISTANCE CENTER TO CENTER, SPACED EQUALLY BETWEEN FLEXPOSTS
3" FLEX POSTS, SEE PLAN SHEETS FOR SPACING

FACE OF CURB

DIRECTION OF TRAFFIC

CYCLE TRACK STRIPING

NOTE:
1. SEE THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS. (CYCLE LANE SYMBOL, WITHOUT ARROW)

CYCLIST SYMBOL WITHIN DRIVEWAYS

CHEVRONS

"TURNING CYCLE LANE" SYMBOL

NOTE:
1. THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS.

PROPOSED PAVEMENT MARKINGS (TYP.)

NOTE:
LATERAL PAVEMENT MARKING DIMENSIONS ARE TYPICALLY MEASURED TO AN ADJACENT FACE OF CURB OR TO THE CENTERLINE OF AN ADJACENT PAVEMENT MARKING AS SHOWN IN THE DRAWINGS.

FACE OF CURB

CURB SECTION

TYPICAL LATERAL STRIPING METHOD OF DIMENSIONING

RIGHT PAVEMENT ARROW AT 50% SCALE, SEE THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS

BICYCLE LANE SYMBOL - SEE THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS

"NORMALCYCLE LANE SYMBOL AT INTERSECTIONS"

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