District 3, Five Mile Prairie: Strong Road from Five Mile Road to Nettleton Court

Estimate: $590,000

SPOKANE TRAFFIC CALMING MASTER PLAN

STRONG ROAD

FIVE MILE ROAD TO NETTLETON COURT

FIVE MILE PRAIRIE NEIGHBORHOOD

MATCHLINE ABOVE

LEGEND

PROPERTY LINE
EXISTING CURB
INSTALL NEW EXTRUDED CURB PER WSDOT STD PLAN P-115-00203
PROPOSED NEW ASPHALT PAVEMENT

MATCHLINE BELOW

CALL BEFORE YOU DIG 1-800-424-5555

DESCRIPTION PROFILE ONLY

PLAN&PROFILE

BY

REVISED:

DATE

COUNCIL

ACCEPT

TO

FROM

BY PROJ.DATE

REVISIONS

E.F.N.  . U.S.N.

BYDATE

AS BUILT

EFN:

NAVIGATION

FILE NO.

CBM NO.

DATEORD. NO.

TO

FROM

GRADE ORDINANCE LIST

DISTRICT 3, FIVE MILE PRAIRIE: STRONG ROAD FROM FIVE MILE ROAD TO NETTLETON COURT

Estimated Cost: $590,000

EXISTING CURB

NEW EXTRUDED CURB PER WSDOT STD PLAN P-115-00203

INSTALL NEW CURB

INSTALL NEW ASPHALT PAVEMENT

PROPOSED NEW CURB

PROPOSED NEW ASPHALT PAVEMENT

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343

VERTICAL SCALe

HORIZONTAL SCALE

FILE NO.

CBM NO.

DATEORD. NO.

TO

FROM

GRADE ORDINANCE LIST

NAVD88 = (OLD CBM ELEV.) - (13.13)

BENCH MARK LOCATION

NAVD88 ELEV.

NAVD88 DATUM

AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

None Given

None Given

None Given

1" = 40'

N/A SEA 12/2022

DRV 05/2023

JS 01/2023

AM 01/2023

SPOKANE TRAFFIC CALMING MASTER PLAN

STRONG ROAD

FIVE MILE ROAD TO NETTLETON COURT

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BYDATE

AS BUILT

EFN:

NAVIGATION

FILE NO.

CBM NO.

DATEORD. NO.

TO

FROM

GRADE ORDINANCE LIST
District 3, Five Mile Prairie: Strong Road from Elm Street to Cherry Lane
Estimate: $149,000

- Install new curb ramp per City of Spokane Standards Plan F-105
- Install new concrete sidewalk per City of Spokane Standards Plan F-102B
- Existing curb
- Install landscaping strip
- Install crosswalk per City of Spokane Standards Plan G-61

**NOTE:**
1. See Cedar Road Concept Design for sidewalk and bicycle facility!

**PROJECT NAME:**
SPOKANE TRAFFIC CALMING MASTER PLAN

**CITY OF SPOKANE, WASHINGTON**
DEPARTMENT OF ENGINEERING SERVICES

**SCALE:**
1" = 20'
Spokane Traffic Calming Master Plan

**District:** 3  
**Neighborhood:** Five Mile Prairie  
**Project Extent:** Cascade Way - Austin Road to 5 Mile Road  
**Estimate:** $13,000

**Problem Statement:** Residents of Five Mile Prairie neighborhood requested dedicated bike facilities on Cascade Way between Austin Road. Cascade Way is classified as an urban minor arterial. It is a two-lane facility with a 25 mile per hour posted speed. The street is fronted by single family homes.

**Traffic Analysis**

The table below shows 2022 daily traffic volumes and 85th percentile speeds on Cascade Way along the study corridor (count conducted near Lindeke Court). There are 381 per day with an 85th percentile speed of 25 miles per hour (same as the posted speed limit).

<table>
<thead>
<tr>
<th>Direction</th>
<th># Lanes</th>
<th>2022 Daily Traffic (Vehicles per day)</th>
<th>85th Percentile Speed (mph)</th>
<th>Posted Speed (mph)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EB</td>
<td>1</td>
<td>166</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>WB</td>
<td>1</td>
<td>215</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Both Dir.</td>
<td>2</td>
<td>381</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

The City of Spokane online Pedestrian and Bicycle Data Tool identified Cascade Way with a level of traffic stress of 1 which represents the lowest stress conditions.

**Recommended Solution:**

Cascade Way is classified as a bike friendly route. Cascade Way, Lincoln Road, Hiawatha Drive and Arrowhead Road combined provide an east-west connection between Indian Trail Road, 5 Mile Road and Austin Road. The low vehicle speeds (85th percentile speed of 25 mile per hour) and low daily traffic volumes (less than 400 vehicles) suggest that dedicated bike lanes are not warranted to accommodate cyclists on the corridor. The installation of shared lane markings on Cascade Way is recommended to indicate a shared lane environment for bicycles and automobiles. The markings reinforce the legitimacy of bicycle traffic on the street, recommend proper bicyclist positioning, and can provide wayfinding guidance for the preferred bicycle route. The addition of dedicated bike lanes in each direction would require the removal of on-street parking.
District 3, Five Mile Prairie: Cedar Road from Strong Road to Johannsen Road
Estimate: $267,000
District 3, Five Mile Prairie: Strong Road and Nettleton Court
Estimate: $173,000

LEGEND
PROPERTY LINE
EXISTING CURB
INSTALL NEW CURB PER COS STD PLAN F-102B
INSTALL NEW CURB PER COS STD PLAN F-102B
INSTALL CURB RAMP PER COS STD PLAN F-105
INSTALL CROSSWALK PER COS STD PLAN G-61
INSTALL NEW HOPS PER COS STD PLAN
EXISTING CEMENT CURB
PROPPOSED WORK

NOT FOR CONSTRUCTION

PRELIMINARY

SPOKANE TRAFFIC CALMING MASTER PLAN

STRONG ROAD AND NETTLETON COURT

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

FIVE MILE PRAIRIE NEIGHBORHOOD

SEA 12/2022
DRV 05/2023
AM 05/2023