## Pembina County

The total project cost suggested for Pembina County is $\$ 436,562$. The project cost breakout for intersection, roadway segment, and curve projects are listed in Table 4-5. High-priority locations that received a project are shown in Figure 4-10. These locations are described in further detail in Appendix 4C along with priority rankings and suggested project sheets.

TABLE 4-5
Pembina County Project Costs

| Project Type | Cost |
| :--- | :---: |
| Intersections | $\$ 261,800$ |
| Roadway Segments | $\$ 83,525$ |
| Curves | $\$ 91,237$ |
| Total | $\$ 436,562$ |



FIGURE 4-10
Pembina County Projects Location Map

## Pembina County Rural Segment Proi

| Page | Corridor ID | Route \# | Start | End | Length | Risk Ranking | Edge Line | Edge Lines | Edge Rumble Strip | iject Cost (s) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 55.01 | Pembina 55 | PembinalCavalier County Line | Intersection with Delano Ave (in Walhala) |  |  |  |  | 0.0 | ${ }^{\text {\$480.00 }}$ |
| ${ }_{3}$ | $\stackrel{1.03}{1203}$ | ${ }_{\text {Pembina }}$ Pembina 12 | Bathgate est tity limit | Bathate east city linit | 0.8 7.1 | $\stackrel{\star \star \star \star}{* * *}$ | 0.0 0.0 | ${ }_{7}^{0.1}$ | 0.0 0.0 | \$520.00 <br> 64.615 .00 |
| 4 | ${ }_{510.01}$ | N/A | Intersection with 3rd Avenue | Intersection with 142nd Avenue | 0.5 | $\star \star \star$ | 1.0 | 0.0 | 0.0 | \$400.00 |
| 5 | 1.04 | Pembina 1 | Bathgate east cily limit (could be intersection with 148th Avenue) | Intersection with SB IH 29 Ramps | 10.7 | $\star \star \star$ | 0.0 | 10.7 | 0.0 | $\stackrel{\text { s6,955.00 }}{ }$ |
| 6 | $\frac{12.01}{51101}$ | Pembina 12 | Pembina / Walsh County Line | Intersection with ND 66 | 4.0 | *** | 8.0 | 0.0 | 0.0 | ¢ $\frac{53,200.00}{\$ 12000}$ |
| 7 | ${ }^{511.01}$ | N/A | 1345 feet south of ND 5 | Intersection with 97th Street / Main Street | 1.5 | $\star \star \star$ | 3.0 | 0.0 | 0.0 | \$1,200.00 |
| ${ }_{9}^{8}$ | 502.01 <br> 514.02 | N/A | ${ }_{\text {Intersection with } 160 \text { A }}$ Pembina | $\frac{1013 \text { feet east of interchange (east of intersection with Old North Dakota 44) }}{4670 \text { feet } \text { orth of ND } 59}$ | 0.6 0.9 | $\stackrel{\star \star \star}{\star \star \star}$ | 0.0 0.9 | 0.6 0.0 | 0.0 0.0 | \$390.00 936000 |
| 10 | 55.03 | Pembina 55 | Intersection with ND $18 / 144$ th Avenue | Interchange with 1 2 29 SB Ramps | 14.1 | *** | 0.0 | 0.0 | 14.1 | ${ }^{\text {¢40,350.00 }}$ |
| 11 | 507.01 | N/A | Intersection with 1600h Avenue | Intersection with 160th Avenue | 0.5 | $\star \star$ | 0.0 | 0.5 | 0.0 | \$325.00 |
| $\frac{12}{13}$ | 2.01 | ${ }_{\text {Pembina } 2}$ |  | Interssection with 107 Th Averue Bathgate west cily limit | $\frac{10.9}{3.3}$ | $\stackrel{\star \star}{\star \star}$ | 0.0 0.0 | $\frac{10.9}{3.3}$ | 0.0 0.0 | ¢7,085.00 $\$ 2,145.00$ |
| 14 | 3.05 | Pembina 3 | Intersection with ND $18 / 140$ th Avenue | ND $81 / 148$ th Avenue | 8.0 | $\star \star$ | 0.0 | 8.0 | 0.0 | S, |
| 15 | 7.01 | Pembina 7 | intersection with 127 h Avenue | Intersection With ND 32866 / 129 th Avenue | 2.0 | $\star \star$ | 0.0 | 2.0 | 0.0 | ${ }_{\text {ST,300.00 }}$ |

Pembina County
Rural Segment Listing

| $\begin{aligned} & \begin{array}{l} \text { Project } \\ \text { Sheet } \end{array} \\ & \text { Page } \\ & \hline \end{aligned}$ | Corridor | Route | Start | End | $\begin{aligned} & \text { Length } \\ & \text { (miles) } \end{aligned}$ | $\begin{gathered} \text { Lane } \\ \text { Departure } \\ \text { Crashes } \end{gathered}$ | ADT | $\begin{gathered} \text { Lane } \\ \text { Departure } \\ \text { Density } \end{gathered}$ | Access Density | Curves w/ Critical Radius / Mile | Edge Risk Assesment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1.01 | Pembina 1 | Intersection with ND 32 | Intersection with ND 18 / 144th Avenue | 16.9 | 5 | 339 | 0.06 | 7.8 | 0.00 | 1 |
| 13 | 1.02 | Pembina 1 | Intersection with ND 18/ 144th Avenue | Bathgate west city limit | 3.3 | 0 | 265 | 0.00 | 7.9 | 0.00 | 2 |
| 2 | 1.03 | Pembina 1 | Bathgate west city limit | Bathgate east city limit | 0.8 | 0 | 240 | 0.00 | 28.5 | 3.88 | 2 |
| 5 | 1.04 | Pembina 1 | Bathgate east city linit (could be intersection with 148th Avent | Intersection with SB IH 29 Ramps | 10.7 | 3 | 200 | 0.06 | 7.1 | 0.00 | 2 |
|  | 1.05 | Pembina 1 | Intersection with SB IH 29 Ramps | Intersection with NB IH 29 Ramps | 0.2 | 0 | 80 | 0.00 | 12.3 | 0.00 | 1 |
|  | 1.06 | Pembina 1 | Intersection with NB 1 H 29 Ramps | Intersection with Old Highway 81 | 0.1 | 0 | 40 | 0.00 | 71.5 | 0.00 | 1 |
| 12 | 2.01 | Pembina 2 | "Y" Intersection with ND 5 | Intersection with 107 th Avenue | 10.9 | 0 | 363 | 0.00 | 5.8 | 0.00 | 2 |
|  | 3.01 | Pembina 3 P | Pembina/Cavalier County Line | Intersection with ND $32 / 130$ th Avenue | 3.0 | 2 | 109 | 0.13 | 6.7 | 0.00 | 1 |
|  | 3.02 | Pembina 3 | Intersection with ND 32 / 130th Avenue | Hensel west limit | 10.7 | 0 | 185 | 0.00 | 3.9 | 0.00 | 1 |
|  | 3.03 | Pembina 3 | Hensel west limit | Hensel east limit | 0.5 | 0 | 410 | 0.00 | 26.3 | 0.00 | 1 |
|  | 3.04 | Pembina 3 | Hensel east limit | Intersection with ND 18/ 140th Avenue | 1.7 | 0 | 343 | 0.00 | 12.2 | 0.00 | 1 |
| 14 | 3.05 | Pembina 3 | Intersection with ND 18/140th Avenue | Intersection with ND 81/ 148th Avenue | 8.0 | 1 | 264 | 0.02 | 5.0 | 0.00 | 2 |
|  | 3.06 | Pembina 3 | Intersection with ND 81/ 148th Avenue | Intersection with SB IH 29 Ramps | 11.7 | 0 | 87 | 0.00 | 4.9 | 0.00 | 2 |
|  | 3.07 | Pembina 3 | Intersection with SB IH 29 Ramps | Intersection with NB IH 29 Ramps | 0.1 | 0 | 65 | 0.00 | 22.5 | 0.00 | 1 |
|  | 3.08 | Pembina 3 | Intersection with NB IH 29 Ramps | 2624 feet east of interchange | 0.5 | 0 | 35 | 0.00 | 18.1 | 0.00 | 1 |
|  | 4.01 | Pembina 4 | Pembina I Walsh County Line | Intersection with ND 66 | 2.0 | 0 | 110 | 0.00 | 6.0 | 0.00 | 2 |
|  | 4.02 | Pembina 4 | Intersection with ND 5 | Intersection with 101st Street | 5.0 | 0 | 130 | 0.00 | 5.6 | 0.00 | 1 |
|  | 6.01 | Pembina 6 | Intersection with 92nd Street (on east side of 1277h Avenue) | Intersection with ND 5/93rd Street | 1.0 | 0 | 80 | 0.00 | 7.0 | 0.00 | 1 |
| 15 | 7.01 | Pembina 7 | Intersection with 127th Avenue | Intersection with ND 32866 / 129th Avenue | 2.0 | 0 | 198 | 0.00 | 6.0 | 0.00 | 2 |
|  | 9.01 | Pembina 9 | Walhalla east city limit | Intersection with 135 th Avenue | 7.6 | 1 | 458 | 0.03 | 6.5 | 0.26 | 1 |
|  | 11.01 | Pembina 111 | Intersection with ND 81/ 148th Avenue | Interchange with 1 H 29 | 12.1 | 2 | 90 | 0.03 | 6.5 | 0.00 | 1 |
|  | 11.02 | Pembina 11 | Intersection with SB IH 29 Ramps | Intersection with NB IH 29 Ramps | 0.2 | 1 | 100 | 1.24 | 12.4 | 0.00 | 1 |
|  | 11.03 | Pembina 11 | Intersection with NB $1+29$ Ramps | Intersection with 161 st Avenue | 0.1 | 0 | 180 | 0.00 | 26.0 | 0.00 | 1 |
| 6 | 12.01 | Pembina 12 P | Pembina / Walsh County Line | Intersection with ND 66 | 4.0 | 2 | 193 | 0.10 | 8.0 | 0.00 | , |
|  | 12.02 | Pembina 12 | Intersection with ND 66 | Intersection with ND 5/93rd Street | 9.9 | 0 | 130 | 0.00 | 5.9 | 0.20 | 1 |
| 1 | 12.03 | Pembina 12 | Intersection with ND 5/93rd Street | Intersection with 101st Street | 7.1 | 2 | 409 | 0.06 | 8.1 | 0.14 | 1 |
|  | 55.01 | Pembina 55 | 5 Pembina/Cavalier County Line | Intersection with Delano Ave (in Walhalla) | 1.2 | 0 | 375 | 0.00 | 19.6 | 0.85 | , |
|  | 55.02 | Pembina 55 | 5 Intersection with ND $32 / 128$ th Avenue | Intersection with $\mathrm{ND} 18 / 144$ th Avenue | 16.0 | 1 | 315 | 0.01 | 6.0 | 0.19 | 1 |
| 10 | 55.03 | Pembina 55 | 5 Intersection with ND 18/144th Avenue | Interchange with IH 29 SB Ramps | 14.1 | 7 | 366 | 0.10 | 5.8 | 0.28 | 1 |
|  | 500.01 | N/A | Intersection with ND 66 | Intersection with 84th Street | 4.0 | 1 | 359 | 0.05 | 7.2 | 0.00 | 1 |
| 8 | 502.01 | N/A | Intersection with 160th Avenue | 1013 feet east of interchange (east of intersection with Old North Dakota 44) | 0.6 | 2 | 60 | 0.73 | 20.0 | 0.00 | 2 |
|  | 503.01 | N/A | Intersection with 133 rd Avenue | Intersection with 139 th Avenue | 7.0 | 0 | 70 | 0.00 | 4.9 | 0.00 | , |
|  | 504.01 | N/A | Intersection with 91st Street | Intersection with 92nd Street | 1.0 | 0 | 29 | 0.00 | 5.9 | 0.00 | 2 |
|  | 505.01 | N/A | SW to NE curve in trees | Intersection with 127 th Avenue | 0.5 | 0 | 70 | 0.00 | 13.5 | 0.00 | 0 |
|  | 505.02 | N/A | Intersection with ND 32 / 130 th Avenue | Intersection with 1333 rd Avenue | 3.5 | 0 | 15 | 0.00 | 4.8 | 0.00 | , |
|  | 506.01 | N/A | 1460 feet south of 93 rd Street | Intersection with 93rd Street | 0.9 | 0 | 5 | 0.00 | 3.3 | 0.00 | 0 |
| 11 | 507.01 | N/A | Intersection with 160 th Avenue | Intersection with 160 th Avenue | 0.5 | 0 | 20 | 0.00 | 22.0 | 0.00 | 3 |
|  | 508.01 | N/A | Intersection with 92nd Street (on west side of 127th Avenue) | Intersection with 92 nd Street (on east side of 127 th Avenue) | 0.1 | 0 | 80 | 0.00 | 22.9 | 0.00 | 1 |
|  | 509.01 | N/A | Intersection with ND 5/93rd Street | End of road | 1.4 | 0 | 29 | 0.00 | 8.0 | 5.11 | 0 |
| 47 | 510.01 | N/A | Intersection with 3rd Avenue | Intersection with 142nd Avenue | 0.5 | 0 | 280 | 0.00 | 26.0 | 0.00 | 2 |
|  | 511.01 | N/A | 1345 feet south of ND 5 | Intersection with 97th Street/ Main Street | 1.5 | 0 | 190 | 0.00 | 9.0 | 0.00 | 2 |
|  | 514.01 | N/A | 5280 feet north of 101st Street | Pembina south city limit | 4.8 | 1 | 75 | 0.04 | 5.4 | 0.62 | 0 |
| 9 | 514.02 | N/A | Pembina north city limit | 4670 feet north of ND 59 | 0.9 | 0 | 29 | 0.00 | 9.0 | 2.26 | 2 |
|  | 516.01 | N/A | Intersection with ND 18/ 144th Avenue | Neche south city limit | 0.1 | 0 | 500 | 0.00 | 19.7 | 0.00 | 0 |
|  | 518.01 | N/A | Intersection with 101 st Stree | Intersection with 107th Stree | 6.0 | 0 | 275 | 0.00 | 7.8 | 0.66 | 1 |

1 Risky' - NEITHER shoulder or good clear zone
3 BOTH shoulder and a goood clear zone

|  | Access | Lane Departure | Critical Radius Curves |
| :---: | :---: | :---: | :---: |
| Total | 1308 | 31 | 15 |
| Total Mileage | 194.7 | 194.7 | 194.7 |
| Average Density $\frac{\text { Years }}{\text { Total/Mile' }}$ | 6.7 | ${ }_{0}^{5}$ |  |
| Average Density (total/Mile, | 6.7 | 0.03 | 0.08 |

Pembina County
Rural Segment Prioritization - Lane Departure Priority





## HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION <br> North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## N/A from Intersection with 3rd Avenue to Intersection with 142nd Avenue




## HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION <br> North Dakota Department of Transportation Programming

 SFN 59959 (06-2011)
## Pembina 12 from Pembina / Walsh County Line to Intersection with ND 66



## HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION <br> North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## N/A from 1345 feet south of ND 5 to Intersection with 97th Street / Main Street

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project.


Notes



## HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION <br> North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## N/A from Pembina north city limit to 4670 feet north of ND 59

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project

Notes


## HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION <br> North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## N/A from Intersection with 160th Avenue to Intersection with 160th Avenue

Agency Name: Pembina County
Contact Name: Troy Kittelson
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project


Notes

|  | Page: | Segment ID: |
| :---: | :---: | :---: |
| Date: |  |  |














## Pembina County

## Summary of Rural Intersection Projects



Pembina County
Rural Intersection Listing

| Int \# Intersection Description | Skew | On/Near Curve | Development | $\begin{gathered} \mathrm{RR} \\ \text { Xing } \end{gathered}$ | ADT | Previous STOP (>5mi) | Total Crashes | ADT Cross Product > 100,000 | Crash Cost |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.01 101st St NE (Pembina 1) \& 127th Ave NE | No | No | No | No | 1117 | Yes | 1 | Yes | \$ | 12,000 |
| 1.02 101st St NE (Pembina 1) \& 135th Ave NE (Pembina 518) | No | No | No | No | 645 | Yes | 0 | No | \$ | - |
| 1.03 101st St NE (Pembina 1) \& 137th Ave NE (Pembina 12) | No | No | Yes | No | 680 | Yes | 0 | Yes | \$ | - |
| 1.04 101st St NE (Pembina 1) \& 141st Ave NE (Pembina 2) | No | No | No | No | 670 | Yes | 1 | Yes | \$ | 412,000 |
| 1.05 101st St NE (Pembina 1) \& 144th Ave NE (ND 18) | No | No | No | No | 740 | Yes | 1 | Yes | \$ | 12,000 |
| 1.06 101st St NE (Pembina 1) \& 152nd Ave NE (Pembina 4) | No | No | No | No | 285 | Yes | 1 | No | \$ | 12,000 |
| 1.07 101st St NE (Pembina 1) \& Interstate 29 SB Ramps | No | Yes | No | No | 140 | Yes | 0 | No | \$ | - |
| 1.08 101st St NE (Pembina 1) \& Interstate 29 NB Ramps | Yes | No | No | No | 100 | Yes | 1 | No | \$ | 12,000 |
| 2.01 141st Ave NE (Pembina 2) \& Division Ave NE (ND 5) | Yes | Yes | Yes | No | 2463 | Yes | 0 | Yes | \$ | - |
| 2.02 141st Ave NE (Pembina 2) \& 107th St NE (Pembina 55) | No | No | No | No | 490 | Yes | 0 | No | \$ | - |
| 3.01 88th St NE (Pembina 3) \& ND 32 | No | No | No | No | 603 | Yes | 0 | No | \$ | - |
| 3.02 88th St NE (Pembina 3) \& 135th Ave NE (Pembina 12) | No | No | No | No | 435 | Yes | 0 | No | \$ | - |
| 3.03 88th St NE (Pembina 3) \& 140th Ave NE (ND 18) | No | No | No | No | 1200 | Yes | 0 | Yes | \$ | - |
| 3.04 88th St NE (Pembina 3) \& 148th Ave NE (US 81) SOUTH | No | No | No | No | 385 | Yes | 0 | No | \$ | - |
| 3.05 89th St NE (Pembina 3) \& 148th Ave NE (US 81) NORTH | No | No | No | No | 482 | Yes | 0 | No | \$ | - |
| 3.06 89th St NE (Pembina 3) \& Interstate 29 SB Ramps | Yes | No | No | No | 110 | Yes | 0 | No | \$ | - |
| 3.07 89th St NE (Pembina 3) \& Interstate 29 NB Ramps | Yes | No | No | No | 70 | Yes | 1 | No | \$ | 91,000 |
| 4.01 ND 66 \& 155th Ave NE (Pembina 4) | No | No | No | No | 465 | Yes | 1 | No | \$ | 12,000 |
| 4.02 ND 5 \& 152nd Ave NE (Pembina 4) | No | No | No | No | 957 | Yes | 1 | No | \$ | 12,000 |
| 6.01 92nd St NE (Pembina 6) \& 127th Ave NE | No | No | No | No | 90 | No | 0 | No | \$ | - |
| 6.02 ND 5 \& 127th Ave NE (Pembina 6) | No | No | No | No | 1275 | Yes | 1 | Yes | \$ | 136,000 |
| 7.01 81st St NE (Pembina 7) \& ND 32 | No | No | No | No | 862 | Yes | 1 | No | \$ | 12,000 |
| 9.01 104th St NE (Pembina 9) \& 135th Ave NE (Pembina 12) | No | No | No | No | 417 | Yes | 0 | No | \$ | - |
| 11.01 84th St NE (Pembina 11) \& US 81 | Yes | Yes | No | No | 635 | Yes | 0 | No | \$ | - |
| 11.02 84th St NE (Pembina 11) \& Interstate 29 SB Ramps | No | Yes | No | No | 133 | Yes | 0 | No | \$ | - |
| 11.03 84th St NE (Pembina 11) \& Interstate 29 NB Ramps | No | Yes | No | Yes | 180 | Yes | 0 | No | \$ | - |
| 11.04 84th St NE (Pembina 11) \& 161st Ave NE | No | No | No | Yes | 245 | No | 0 | No | \$ | - |
| 12.01 ND 66 \& 135th Ave NE (Pembina 12) | No | No | No | No | 510 | Yes | 0 | No | \$ | - |
| 12.02 91st St NE \& 135th Ave NE (Pembina 12) | No | No | No | No | 1495 | Yes | 0 | Yes | \$ | - |
| 12.03 ND 5 (W) \& 137th Ave NE (Pembina 12) | No | Yes | No | No | 1445 | Yes | 0 | Yes | \$ | - |
| 12.04 ND 5 (E) \& 137th Ave NE (Pembina 12) | No | No | Yes | No | 1787 | Yes | 0 | Yes | \$ | - |
| 55.02 107th St NE (Pembina 55) \& ND 32 | No | No | No | No | 717 | Yes | 1 | No | \$ | 12,000 |
| 55.03 107th St NE (Pembina 55) \& 135th Ave NE (Pembina 55) | No | No | No | No | 415 | Yes | 0 | No | \$ | - |
| 55.04 107th St NE (Pembina 55) \& ND 18 | No | No | No | No | 955 | Yes | 0 | Yes | \$ | - |
| 55.05 107th St NE (Pembina 55) \& Interstate 29 SB Ramps | No | Yes | No | No | 1938 | Yes | 0 | Yes | \$ | - |
| 500.01 ND 66 \& 161st Ave NE (Pembina 500) | No | No | Yes | Yes | 3215 | No | 0 | Yes | \$ | - |
| 502.01 86th St NE (Pembina 502) \& Interstate 29 SB Ramps | No | Yes | No | No | 85 | Yes | 1 | No | \$ | 12,000 |
| 502.02 86th St NE (Pembina 502) \& Interstate 29 NB Ramps | Yes | Yes | No | No | 103 | Yes | 0 | No | \$ | - |
| 503.01 91st St NE (Pembina 503) \& 133rd Ave NE | No | No | No | No | 45 | No | 0 | No | \$ | - |
| 504.01 92nd St NE (Pembina 504) \& 133rd Ave NE | No | No | No | No | 19 | No | 0 | No | \$ | - |
| 505.01 92nd St NE (Pembina 505) \& ND 32 | No | No | No | No | 555 | Yes | 0 | No | \$ | - |
| 506.01 93rd St NE \& 160th Ave NE | Yes | No | No | No | 22 | No | 0 | No | \$ | - |
| 507.01 93rd ST NE \& Interstate 29 SB Ramps | No | Yes | No | No | 40 | Yes | 0 | No | \$ | - |
| 507.02 93rd ST NE \& Interstate 29 NB Ramps | No | Yes | No | No | 55 | Yes | 0 | No | \$ | - |
| 509.01 ND 5 \& 135th 1/2 Ave NE | No | Yes | No | No | 1137 | No | 0 | No | \$ | - |
| 511.01 ND 5 160th 1/2 Ave NE | No | No | No | Yes | 498 | Yes | 0 | No | \$ | - |
| 516.01 7th St \& ND 18 | Yes | No | No | No | 775 | No | 0 | Yes | \$ | - |

Pembina County
Rural Intersection Prioritization


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 141st Ave NE (Pembina 2) \& Division Ave NE (ND 5)

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 101st St NE (Pembina 1) \& 141st Ave NE (Pembina 2)

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction


Notes

[^0]HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## ND 5 \& 127th Ave NE (Pembina 6)

ND DOT District: 6
Agency Name: Pembina County
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction


Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 89th St NE (Pembina 3) \& Interstate 29 NB Ramps

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project

## Location Description



Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Proposed Year of Constructa


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 101st St NE (Pembina 1) \& 127th Ave NE

Agency Name: Pembina County
Contact Name: Troy Kittelson
Email Address: pembhwy@nd.gov

Please attach a location map(s). You may use additional sheets to further describe your project

## Location Description



Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction

| Federal Funds | $\$ 8,325$ |
| ---: | :---: |
| Local Match (10\% of Total project cost) | $\$ 925$ |
| Total Project Cost | $\mathbf{\$ 9 , 2 5 0}$ |

NDDOT Central Office Only

| Project Accepted? | $\square Y$ |
| :--- | :--- |

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 101st St NE (Pembina 1) \& 144th Ave NE (ND 18)

Agency Name: Pembina County
Contact Name: Troy Kittelson
Email Address: pembhwy@nd.gov

Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 101st St NE (Pembina 1) \& Interstate 29 NB Ramps

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208

Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction

|  |  |
| ---: | :---: |
| Federal Funds | $\$ 3,330$ |
| Local Match (10\% of Total project cost) | $\$ 370$ |
| Total Project Cost | $\$ 3,700$ |

NDDOT Central Office Only

| Project Accepted? | $\square Y$ |
| :--- | :--- |

$\square$ Yes $\quad \square \mathrm{N}$

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 86th St NE (Pembina 502) \& Interstate 29 SB Ramps

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208

Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project

## Location Description



Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.


Notes

[^1]HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 101st St NE (Pembina 1) \& 137th Ave NE (Pembina 12)

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## 84th St NE (Pembina 11) \& US 81

ND DOT District: 6
Agency Name: Pembina County
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 84th St NE (Pembina 11) \& Interstate 29 NB Ramps

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction

|  |  |
| ---: | :---: |
| Federal Funds | $\$ 3,330$ |
| Local Match (10\% of Total project cost) | $\$ 370$ |
| Total Project Cost | $\$ 3,700$ |

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## ND 5 (W) \& 137th Ave NE (Pembina 12)

Agency Name: Pembina County
Contact Name: Troy Kittelson
Email Address: pembhwy@nd.gov

Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

| Project Cost Estimate (attach detailed copy) |  |  |
| ---: | :---: | :---: |
|  |  |  |
| Federal Funds | $\$ 8,100$ |  |
| Local Match (10\% of Total project cost) | $\$ 900$ |  |
| Total Project Cost | $\$ 9,000$ |  |

Proposed Year of Construction

NDDOT Central Office Only

| Project Accepted? | $\square Y$ |
| :--- | :--- |

Reference Number

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## ND 5 (E) \& 137th Ave NE (Pembina 12)

Agency Name: Pembina County
Contact Name: Troy Kittelson
Email Address: pembhwy@nd.gov

Please attach a location map(s). You may use additional sheets to further describe your project

## Location Description



Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

| Project Cost Estimate (attach detailed copy) |  |  |  |
| ---: | :---: | :---: | :---: |
| Federal Funds |  |  | $\$ 8,100$ |
| Local Match (10\% of Total project cost) | $\$ 900$ |  |  |
| Total Project Cost | $\$ 9,000$ |  |  |

Proposed Year of Construction

NDDOT Central Office Only

| Project Accepted? | $\square$ Y |
| :--- | :--- |

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 107th St NE (Pembina 55) \& Interstate 29 SB Ramps

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208
Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project

## Location Description



Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction


HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming SFN 59959 (06-2011)

## ND 66 \& 161st Ave NE (Pembina 500)

Agency Name: Pembina County
Contact Name: Troy Kittelson
Email Address: pembhwy@nd.gov

Please attach a location map(s). You may use additional sheets to further describe your project
Location Description


Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.
Project Cost Estimate (attach detailed copy)
Proposed Year of Construction

|  |  |
| ---: | :---: |
| Federal Funds | $\$ 6,660$ |
| Local Match (10\% of Total project cost) | $\$ 740$ |
| Total Project Cost | $\$ 7,400$ |

NDDOT Central Office Only

| Project Accepted? | $\square$ Yes |
| :--- | :--- |

$\square$ Yes $\square \mathrm{N}$

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION
North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

## 86th St NE (Pembina 502) \& Interstate 29 NB Ramps

Agency Name: Pembina County
ND DOT District: 6
Contact Name: Troy Kittelson
Telephone Number: 701-265-4208

Email Address: pembhwy@nd.gov
Please attach a location map(s). You may use additional sheets to further describe your project

## Location Description

| Configuration: X <br> Configuration (2): Undivided <br> Urban/Rural: Rural <br> County: Pembina <br> Entering ADT: 103 | Traffic Control Device: Thru/Stop <br> Street Lights: No <br> Flashers: No <br> Major Entering ADT: 70 <br> Minor Entering ADT: 33 | $\begin{aligned} & \square \\ & \square \\ & \square \\ & \square \\ & \square \\ & \square \\ & \square \end{aligned}$ | SHSP <br> Reduce Alco Increase the Younger Driv Curb Aggres Improvemen Enhancing E Improve Inte |
| :---: | :---: | :---: | :---: |
| Describe Current Safety Issues \& Systemic Ranking Review |  |  |  |
| North Dakota TBD, 2008-2012 | 5 years |  |  |
| Total | Angle $\mathrm{K}+\mathrm{A}$ |  |  |
| Crashes 0 <br> Rate (per MVM) 0.0 | $\begin{array}{cc} \hline 0 & 0.00 \\ 0.0 & 0.0 \\ \hline \end{array}$ |  |  |
| Value | Critical Risk Ranking |  |  |
| Skew Yes | Yes ${ }^{\text {a }}$ |  |  |
| On/Near Curve Yes | Yes * |  |  |
| Development No | Yes |  |  |
| Near RR Crossing No | Yes |  |  |
| Distance from previous STOP Yes | Yes * |  |  |
| Volume Cross Product No | $\geq 100,000$ |  |  |
| Total Crashes 0 | $>0$ |  |  |
| $\star \star \star$ |  |  |  |
| Describe Proposed Safety Improvements |  |  |  |
| Description | Unit Cost | Units | Cost |
| Roundabout | \$1,000,000 per intersection | 0 | \$0.00 |
| Directional Median | \$750,000 per intersection | 0 | \$0.00 |
| Mainline Dynamic Warning Sign | \$50,000 per intersection | 0 | \$0.00 |
| Close Median | \$25,000 per intersection | 0 | \$0.00 |
| Installing Street Lights | \$6,000 per street light | 0 | \$0.00 |
| Upgrade Stop Sign | \$350 per sign | 2 | \$700.00 |
| Upgrade Junction Sign | \$350 per sign | 2 | \$700.00 |
| Upgrade Stop Ahead Sign | \$450 per sign | 2 | \$900.00 |
| Upgrade Stop Ahead Marking | \$450 per marking | 2 | \$900.00 |
| Upgrade Stop Bar | \$250 per marking | 2 | \$500.00 |
| Review Signs and CST | \$2,450 per intersection | 0 | \$0.00 |
|  |  |  | \$3,700.00 |

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.


Notes


[^0]:    Page: 2
    Intersection ID: 1.04
    Date: 10/23/2013

[^1]:    Page: 8
    Intersection ID: 502.01
    Date: 10/23/2013

