










Weighted Overlay Results

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Results of Raster Weighted Overlay

-  Undesirable
-  Desirable
-  Toston Missouri River Crossing Corridor
-  Study Area Boundary
-  Land Outside of Study Area
-  Reference Post
-  S-285
-  US-287
-  Railroad

Sources: Base map information from the Natural Resource Information System (<http://nris.mt.gov/>), State Historic Preservation Office (SHPO), Montana Natural Heritage Program (NHP), Department of Environmental Quality (DEQ), and the Natural Resource Conservation Service (NRCS). NAIP color aerial photography from 2009. On system routes and mile reference posts provided by the Montana Department of Transportation.

There were 10 raster layers. Each of these layers was assigned a variety of scale values with 1 being the most desirable areas to locate a new route and 10 being least desirable areas. Listed below are the 10 rasters with the percent influence in the overlay process:

- Farmland - 5%
- Osprey Nest - 5%
- Potential Wetlands - 12%
- Bobolink - 6%
- Bald Eagle - 10%
- NRHP Eligible Property - 5%
- MRL Track - 15%
- Land Use - 17%
- Hazardous Materials - 5%
- Missouri Width - 20%

The next step in the process is calculating the areas where a potential new route could be located. This is done by maximizing travel through green areas and minimizing (or eliminating) travel through yellow, orange or red areas.

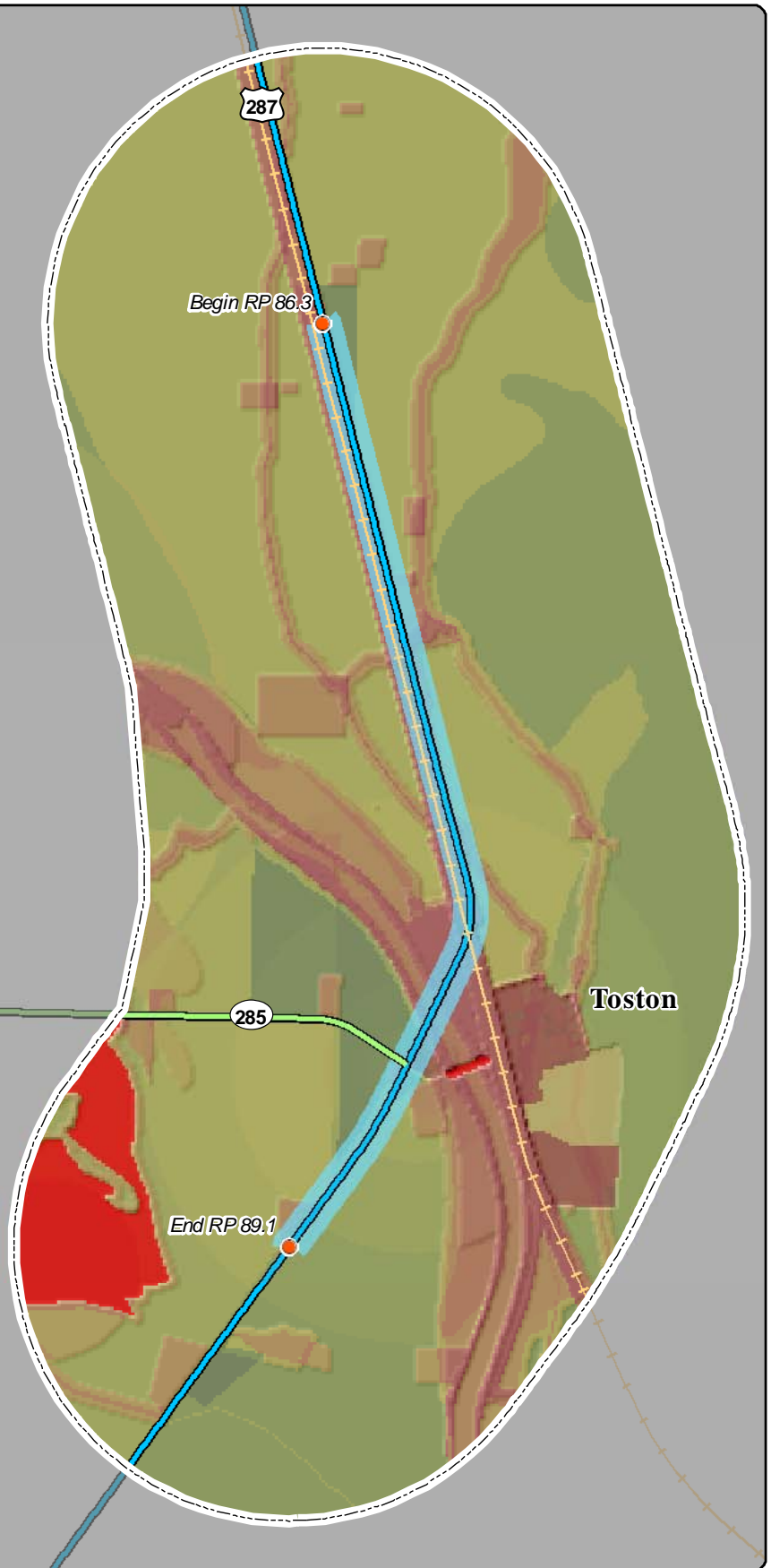
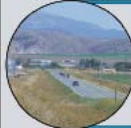


Figure 7-2
Weighted Overlay Results
Toston Missouri River Crossing Corridor



October 8, 2010
DRAFT



**Toston Missouri River
Corridor Planning Study**