



2021 USDOT RAISE Planning Grant Request

City of Box Elder and Pennington County, South Dakota

City of Box Elder
420 Villa Drive
Box Elder, SD 57719



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FY 2021 RAISE Planning Grant Request

The City of Box Elder, in partnership with Pennington County, is requesting approximately \$3 million in grant funding from the USDOT Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Program for the preconstruction planning to complete a transportation improvement project providing a critical link in the transportation network between the Box Elder community, Rapid City Regional Airport, and Ellsworth Airforce Base.

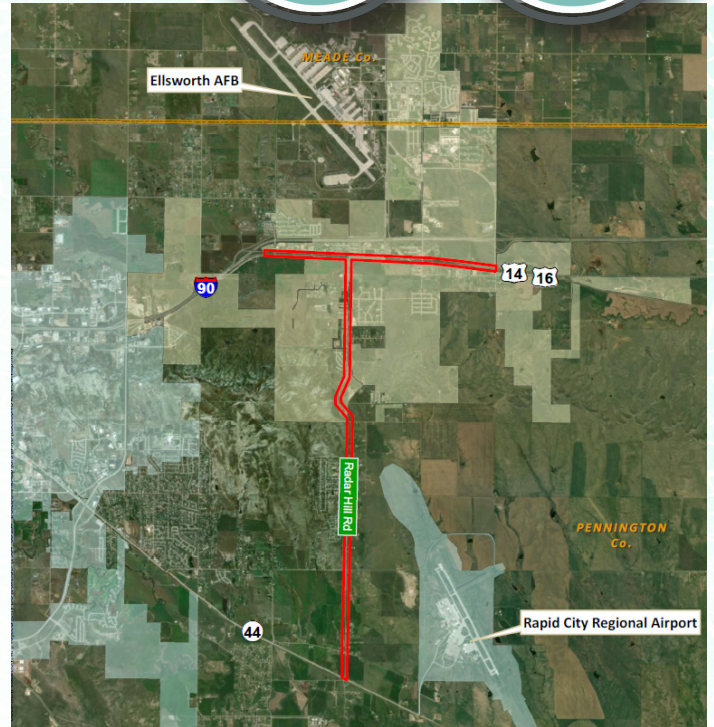
This project will address the necessary planning to address transportation infrastructure needs for urban reconstruction of Pennington County Highway 14/16 from West Gate Road to Liberty Boulevard, approximately 3.0 miles in length, and Radar Hill Road from Highway 14/16 to Old Calvary Road, approximately 1.5 miles in length, and rural reconstruction from Old Calvary Road to Highway 44, approximately 4.5 miles in length.

Summary of improvements:

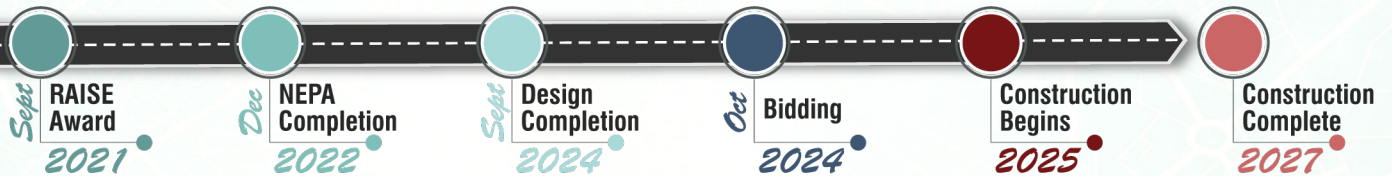
- Highway 14/16 will be converted from three separate roadways to a single 5-lane urban section and additional turning lanes.
- The northern 1.5 miles of Radar Hill Road will be converted from a rural 2-lane to an urban 3-lane and will likely include surface improvements, curb, gutter, and sidewalk.
- Improvements to the southern 4 miles of Radar Hill Road from Old Calvary Road to Highway 44 likely includes turn lanes and shoulder widening to enhance connectivity and safety of non-drivers.

\$3m
2021 RAISE
Planning
Grant
Project

\$37m
Future
Construction
Project
Cost



Project Schedule Milestones



RAISE Considerations



This project is regionally significant, serving the Box Elder community, Ellsworth Airforce Base, and Rapid City Regional Airport.



Minimizes delay times and increases traffic flow efficiency



Enhances the movement of goods



Increasing traffic flow efficiency will lessen the carbon footprint of drivers on the route



Enhances the movement and connectivity of people



Represents partnership and collaboration with a focus on improving the transportation network



Increases safety by reducing crashes and providing safer means for non-drivers

Fiscal Year 2021 RAISE Support Request

The City of Box Elder and Pennington County are requesting support for the 2021 USDOT RAISE Planning Grant Request. For further information on this project, contact:

Bob Kaufman, PE

Public Works Director / City Engineer

CITY OF BOX ELDER

420 Villa Drive | Box Elder, SD 57719

Ph: 605.923.1404, ext 218

bob.kaufman@boxelder.us

