



Rural Access Infrastructure Funding & Inventory Process

IMPLEMENTATION GUIDANCE FOR SDCL § 31-34

FEBRUARY 13, 2023

PREPARED BY DAVE HUFT, SDDOT

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Legislation & Funding

Small Structure Inventory

Small Structure Improvement Plans

Project Funding Applications

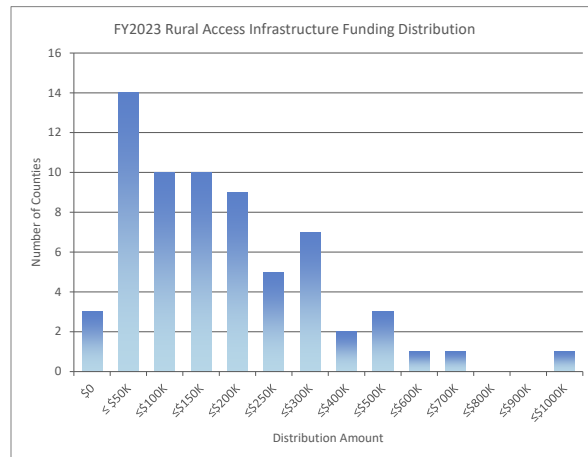
Calendar and Next Steps

Presentation
Topics

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FY2023 RAIF Funding Distribution

- FY2023: \$11.333 million
 - \$3.000 million from HB1259 (2021)
 - \$8.333 million from HB1306 (2022)
- Based on number of small structures inventoried in each county on May 31
 - Township or county secondary
 - Full maintenance
 - Culverts ≥ 16 ft²
 - Bridges ≤ 20 ft NBIS length
- FY2024 & FY2025: \$8.333 million



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Legislation & Funding



Small Structure Inventory

Small Structure Improvement Plans

Project Funding Applications

Calendar and Next Steps

Presentation
Topics

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Rural Access Infrastructure Funding & Inventory Process
Dave Huft, South Dakota Department of Transportation

Small Structure Inventory Handbook

- 8½" x 5½" spiral bound
- Item-by-item description
- Lists all allowable responses
- Graphics and photographs to guide selection
- Posted on SDACC and SDATAT websites August 4
- Hard copies to county auditors September 3
- More hard copies are available



SD2021-03-G

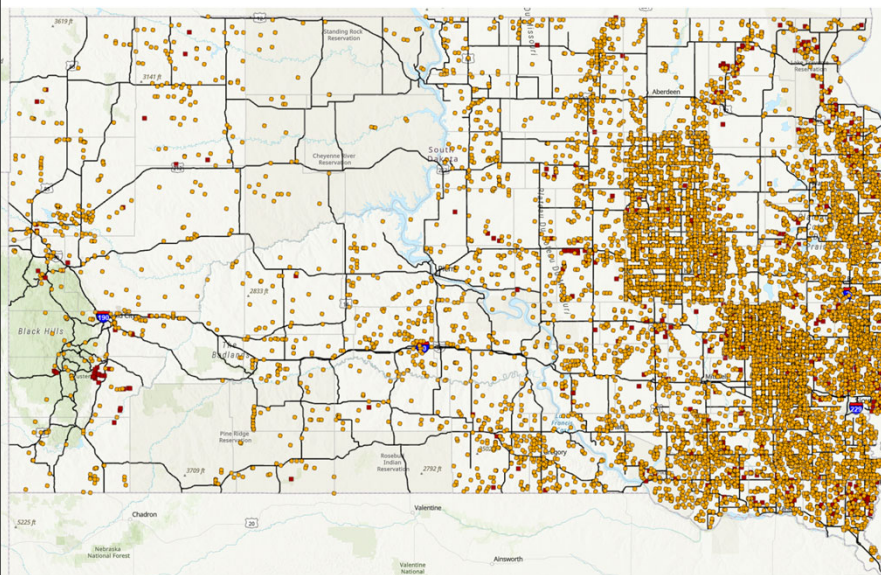
Small Structure Inventory Handbook

A Guide for
Counties and Townships



Published by the
South Dakota
Department of Transportation
August 2021

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Inventory Progress 02/13/2023

- 14,295 culverts
- 562 bridges
- 65 counties

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Small Structure Inventory Common Elements

LOCATION

- Structure ID #
- County Name
- Township Name
- Structure Owner
- Latitude
- Longitude
- Location (roadway or approach)

ROAD

- Highway Number
- Roadway Maintenance Level
- Number of Residences Served
- Detour Length (if culvert fails)
- Surface Type
- Surface Condition

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Culvert Inventory Elements

ATTRIBUTES

- Year Constructed
- Culvert Purpose
- Culvert Type
- Culvert Shape
- Material Type
- Lining
- End Types

DIMENSIONS

- Number of Cells
- Span
- Rise
- Length
- Skew Angle
- Length along Roadway
- Cover Height

CONDITION

- Crushing
- Infiltration
- Joint Separation
- Material Deterioration
- Plugging
- Load Posting
- Culvert Damage
- Overall Condition
- Inslope Cavities

DRAINAGE

- End Type
- Erosion Control
- Inlet Erosion
- Outlet Erosion
- Water Level
- Perching
- Overtopping Frequency

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Small Bridge Inventory Elements

ATTRIBUTES

- Structure Status
(open, posted, closed)
- Bridge Railing (yes/no)
- Approach Guardrail (yes/no)
- Design Type
- Material Type
- Condition

DIMENSIONS

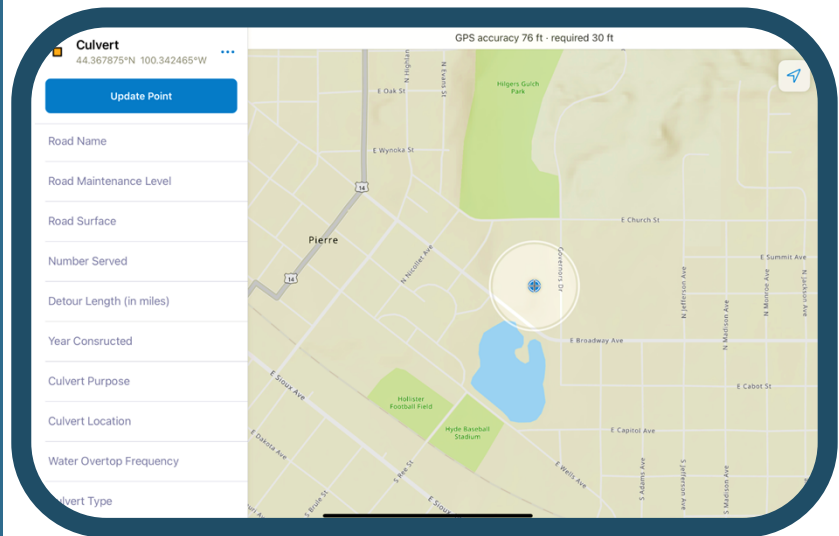
- Structure Length
- Number of Spans
- Number of Lanes
- Deck Width
- Roadway Width
- Skew Angle

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Small Structure Inventory Mobile App

- ESRI Collector app
- Tracks Inventory Handbook exactly
- Culvert and Small Bridge Protocols
- Embeds photograph images
- Feeds directly into Statewide Small Structure Database

**MUST BE USED
FROM NOW ON**



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Rural Access Infrastructure Funding & Inventory Process
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Small Structure Inventory Spreadsheet

- Tracks Inventory Handbook exactly
- Culvert and Small Bridge Protocols
- Embeds photograph images
- Can be imported into Statewide Small Structure Database

NO LONGER SUPPORTED

South Dakota Small Structure Inventory - Culvert

Start Over Submit Form

Instructions: Enter a response in each highlighted field.

LOCATION

Item 1 County Name*

Item 2 Township*

Item 3 Owner*

Item 4 Temporary Small Structure Identifier*

Item 5 Culvert Sequence Number*

Item 6 Permanent Identifier

Item 7 Inventoried By*

Item 8 Inventory Date (mm/dd/yyyy)*

Item 9 Latitude*

Item 10 Longitude*

ROAD ATTRIBUTES

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Small Structure Inventory Paper Forms

- Tracks Inventory Handbook exactly
- Culvert and Small Bridge Protocols
- Identifies image filenames

INFORMATION MUST BE ENTERED THROUGH THE MOBILE APP

South Dakota Small Structure Inventory Form

COMMON INVENTORY ITEMS

Location

Item 1 County Name Oz

Item 2 Town or Township Name Enerhold City

Item 3 Owner ☒ County ☐ Town or Township ☐ Other

Item 4 Temporary Small Structure Identifier Toto Crossing

Item 5 Sequence Number 1

Item 6 Inventoried By Tin Mann

Item 7 Inventory Date 07 / 19 / 20 21

Item 8 Latitude 44.123456 degrees

Item 9 Longitude -100.123456 degrees

Item 10 Small Structure Number - - - - - (to be assigned later)

ROAD ATTRIBUTES

Item 11 Road Name Yellow Brick Road

Item 12 Road Maintenance Level ☒ Full Maintenance ☐ Minimum Maintenance ☐ No Maintenance

Item 13 Road Surface ☐ Dirt ☒ Asphalt Mat ☐ Gravel ☐ Concrete ☐ Blotter ☐ Other

Item 14 Number Served ☒ Not a Dead End ☐ No homes, farms, ranches ☐ 1 home, farm, or ranch ☐ More than 1 home, farm, or ranch

Item 15 Detour Length 6 miles

CULVERT INVENTORY ITEMS

Culvert Attributes

Item 16 Year Constructed 1975

Item 17 Culvert Purpose ☒ Drainage ☐ Livestock Passage ☐ Drainage & Livestock Passage ☐ Pedestrian or Bicycle Trail ☐ Other

Item 18 Culvert Location ☒ Culvert lies under mainline ☐ Culvert lies under approach ☐ Other

Box and Pipe Culvert Inventory Form

Item 19 Water Overlap Frequency ☐ Unknown ☐ Multiple times per year ☐ Yearly ☐ Every two years ☐ Every five years ☐ Every ten years ☐ Every 20 years ☐ Rarely or never

Item 20 Culvert Type ☐ Box Culvert ☐ Arch ☒ Pipe ☐ Multi-Plate ☐ Other

Item 21 Number of Cells 3 cells

Item 22 Material ☐ Precast concrete ☐ PP ☐ Cast-in-place concrete ☐ PVC ☒ Galvanized steel ☐ Wood ☐ Aluminum steel ☐ Masonry ☐ Steel ☐ Other ☐ HDPE

Item 23 Lining ☐ Lining Present ☒ No Lining

Culvert Dimensions

Item 24 Shape ☒ Round ☐ Rectangle ☐ Pipe Arch ☐ Severe ☐ Arch ☐ Cattle Pass ☐ Elliptical ☐ Open Bottom ☐ Other

Item 25 Span 48 inches

Item 26 Rise 48 inches

Item 27 Barrel Length 40 feet

Item 28 Length Along Roadway 19 feet

Item 29 Skew Angle 10 degrees

Item 30 Cover Height 4 feet

Culvert Condition

Item 31 Crushing ☐ None ☐ Moderate ☒ Mild ☐ Severe

Item 32 Joint Separation ☐ None ☒ Moderate ☐ Mild ☐ Severe

Item 33 Infiltration ☐ None ☐ Moderate ☒ Mild ☐ Severe

Item 34 Material Deterioration ☐ None ☒ Moderate ☐ Mild ☐ Severe

Item 35 Damage ☐ None ☐ Moderate ☒ Mild ☐ Severe

Item 36 Plugging ☐ None ☐ Moderate ☒ Mild ☐ Severe

Instructions: Use this form with the Small Structure Inventory Handbook. Use a separate form for each Small Structure inventoried. For small bridges, use the 'Small Bridge Inventory Form' instead. Information on this form must be entered into the Small Structure Inventory Spreadsheet for submission to the Statewide Small Structure Database. For questions, contact _____ at (605) _____ or _____ @ _____

Page 1 of 1

Draft 07/19/2021

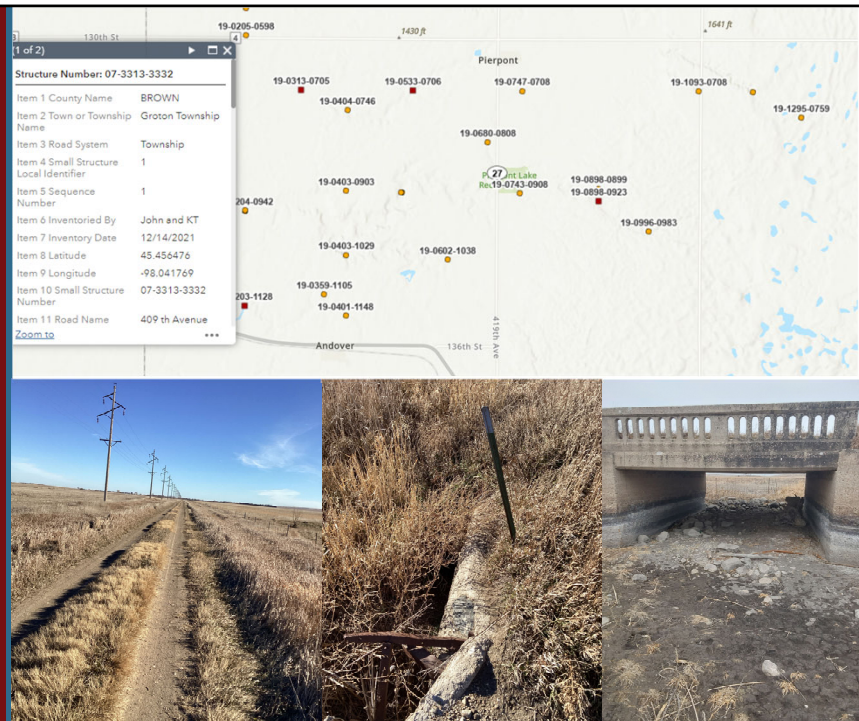
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Small Structure Inventory Webpage

- Interactive Web Site
- Data
- Images
- Filter by Fields
- Export to .csv (Comma Separated Variables) file

<https://sdgis.sd.gov/portal/apps/webappviewer/index.html?id=110201c952074157afd8a57fed789a58>



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FY2024 RAIF Distribution

Distribution

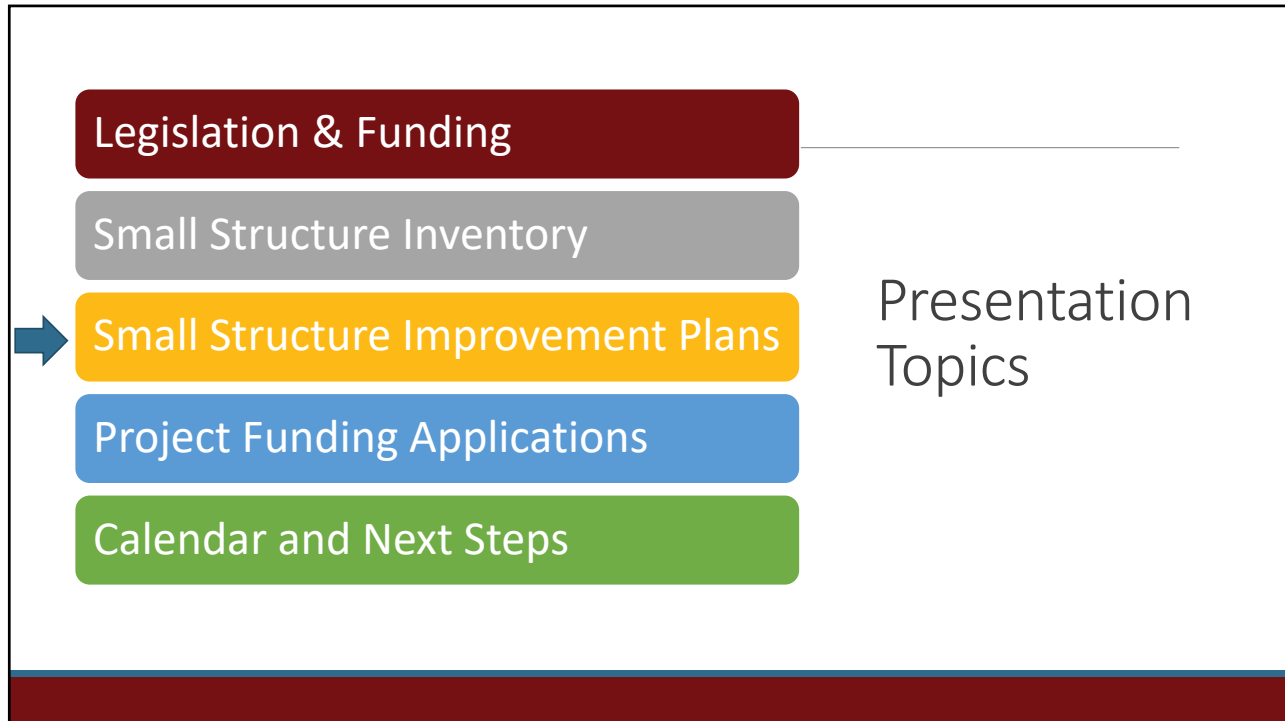
- \$8.333 million
- July 2023
- In proportion to number of qualifying small structures (culverts + small bridges) in each county
- As of May 31, 2023

To ensure your fair share:



- Get access to the mobile app
- Complete your inventory
- Correct data errors
- Resolve system assignment
 - Only county secondary and township roads are eligible
 - County primary roads are not
- Resolve maintenance policy
 - Minimum and no-maintenance roads are ineligible

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<p>Rural Access Infrastructure Funding Guide</p> <ul style="list-style-type: none">• Legislation & Process• Agency, Roadway, Structure Eligibility• Inventory Collection & Maintenance• Small Structure Improvement Plan Guidance & Template• Funding Application Guidance & Template	<p>SD2021-03-G2</p>  <p>Rural Access Infrastructure Funding Guide</p> <p>A Guide for Counties and Townships</p>  <p>Published by the South Dakota Department of Transportation August 2022</p>	<p>Published online August 2022</p>
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Improvement Eligibility

Eligible Agencies

- Townships with either:
 - 50¢ per thousand annual property tax (SB145 would eliminate 50¢ minimum)
 - Tax levy opt-out
- Counties

Eligible Roads

- Township
- County Secondary
- Full Maintenance Only

Eligible Structures

- $\geq 16 \text{ ft}^2$ opening
- “Not a bridge as defined in SDCL § 31-14-1”

Eligible Activities

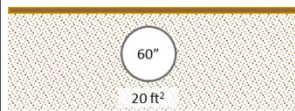
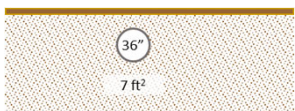
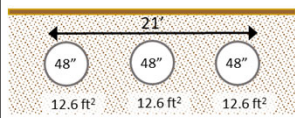
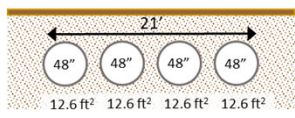
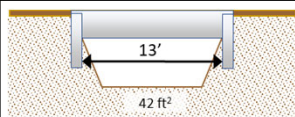
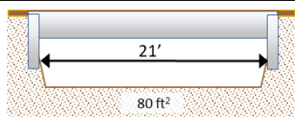
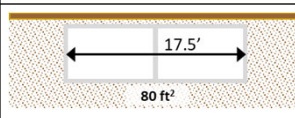
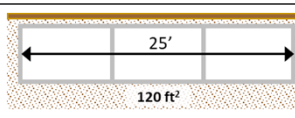
- Engineering, hydrological studies, planning, materials, and other costs necessary to plan for and complete the projects
- Construction, rehabilitation, or replacement of small structures

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What is a Small Structure?

SDCL § 31-34-1 defines a small structure as “any small bridge or culvert with an opening of sixteen square feet or more located on a township road or county secondary road, excluding bridges as defined in § 31-14-1”.

SDCL § 31-14-1 defines a bridge as “a structure, including supports, erected over a depression or an obstruction, as water, highway, or railway, the structure having a length measured along the center of the roadway of more than twenty feet between undercopings of abutments or extreme ends of openings for multiple boxes and pipes where the clear distance between openings is less than half of the smaller contiguous opening”.

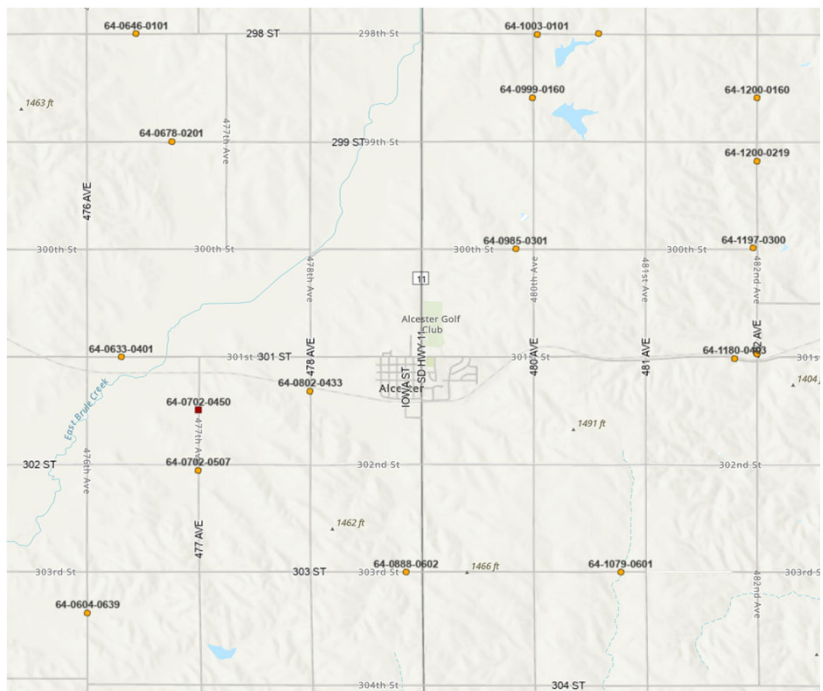
Small Structure	Not Small Structure
	 Area < 16 ft²
	 Length > 20 ft, Spacing < ½ of opening width
	 Length > 20 ft
	 Length > 20 ft

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- Map(s) of all small structures in jurisdiction
- Data for all structures
 - Location
 - Width
 - Length
 - Condition
 - Load Posting
- 5-year Improvement Project List
 - Location
 - Type
 - Funding Source(s)
 - Estimated Cost
 - Year of Completion
- Financial Report (townships only)
- Other items prescribed by SDDOT (none identified so far)

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- Map(s) of all small structures in the jurisdiction
 - Create from GIS database, or
 - Custom maps by agency



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Small Structure Improvement Excel Spreadsheet

- Import data from Small Structure Inventory
- Assess eligibility
- Flag location errors
- Flag some data errors

SDDOT WILL UPDATE TO WORK ON ALL VERSIONS OF EXCEL

1	A	B	C	D	E	F	G	H	I	J	K	L
2	Reported System	County	Secondary	Township	Other	All Systems	Mapped System (changes in red)	Eligible System	Highway Maintenance Level	Seq #	No Nearby Culvert	N C N
235	Township			Township		Township	Township	Yes	Full	1		
236	Township			Township		Township	Township	Yes	Minimum	1		
237	County			County		County	County	No	Full	1		
238	County			County		County	County	No	Full	1		
239	County			County		County	County	No	Full	1		
240	Secondary	County?		County		County	County	No	Full	1		
241	Secondary	County?		County		County	County	No	Full	1		
242	Secondary	County?		County		County	County	No	Full	1		
243	Secondary	County?		County		County	County	No	Full	1		
244	Township			Township		Township	Township	Yes	Full	1		
245	Township			Township		Township	Township	Yes	Full	3		
246	Secondary			Township?		Township	Township	Yes	Full	2		
247	Township			Township		Township	Township	Yes	Full	1		
248	Township			Township		Township	Township	Yes	Minimum	1		
249	Township			Township		Township	Township	Yes	Full	1		
250	Township			Township		Township	Township	Yes	Full	1		
251	Township			Township		Township	Township	Yes	Full	2		
252	Township			Township		Township	Township	Yes	Minimum	1		
253	Township			Township		Township	Township	Yes	Full	2		
254	Township			Township		Township	Township	Yes	Full	1		
255	County	County		County		County	County	No	Full	1		
256	County	County		County		County	County	No	Full	1		
257	Township			Township		Township	Township	Yes	Full	3		
258	Township			Township		Township	Township	Yes	Full	1		
259	Township			Township		Township	Township	Yes	Full	2		
260	Township			Township		Township	Township	Yes	Full	1		
261	Township			Township		Township	Township	Yes	Full	2		
262	Township			Township		Township	Township	Yes	Full	3		
263	Township			Township		Township	Township	Yes	Full	1		
264	Township			Township		Township	Township	Yes	Full	2		
265	Township			Township		Township	Township	Yes	Full	2		
266	Township			Township		Township	Township	Yes	Full	1		
267	Township			Township		Township	Township	Yes	Full	1		
268	Township			Township		Township	Township	Yes	Full	1		
269	Township			Township		Township	Township	Yes	Full	3		
270	Township			Township		Township	Township	Yes	Full	1		
271	Township			Township		Township	Township	Yes	Minimum	1		
272	Township			Township		Township	Township	Yes	Full	3		

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Small Structure Improvement Excel Spreadsheet

- Generate listings of culverts and small bridges by:
 - Highway system
 - Township

SD Rural Access Infrastructure Fund												Small Structure Listing (in order of Small Structure Number)										Culverts
County	DEVEL	Township	ALL	System	ALL	Small Structure Number	Latitude	Longitude	Type	Shape	Cells	Span (ft)	Rise (ft)	Outlet Area(ft ²)	Length (ft)	Overall Condition	Load Limits (tons)			RAIF Eligible		
Group	Township	System	County	Road	Main	Small Structure Number	Latitude	Longitude	Type	Shape	Cells	Span (ft)	Rise (ft)	Outlet Area(ft ²)	Length (ft)	Overall Condition	Asle	Single Unit	Combination	RAIF Eligible		
20-0004-1798	Havana Township	County	184th St	Full	20-0004-1798	44.71750	-96.88472	Galvanized Steel	Round	1	60	60	20	50	Far						No	
20-0005-0866	Goodwin Township	Township	466th Ave	Full	20-0005-0866	44.85238	-96.88442	Galvanized Steel	Round	1	60	60	20	40	Far						Yes	
20-0005-1134	Goodwin Township	County	466th Ave	Full	20-0005-1134	44.81250	-96.88459	Galvanized Steel	Round	1	36	36	7	40	Poor						No	
					20-0005-1135	44.81345	-96.88459	Galvanized Steel	Round	1	36	36	7	40	Poor						No	
					20-0005-1136	44.81345	-96.88459	Galvanized Steel	Round	1	36	36	7	40	Poor						No	
20-0005-1194	Goodwin Township	County	466th Ave	Full	20-0005-1194	44.80473	-96.88463	Galvanized Steel	Round	1	60	60	20	50	Good						No	
20-0005-1375	Havana Township	County	466th Ave	Full	20-0005-1375	44.77868	-96.88458	Galvanized Steel	Round	1	60	60	20	50	Far						No	
					20-0005-1376	44.77865	-96.88458	Galvanized Steel	Round	1	60	60	20	50	Far						No	
20-0005-1647	Havana Township	Township	466th Ave	Full	20-0005-1647	44.73923	-96.88453	Galvanized Steel	Elliptical	1	72	46	18	50	Far						Yes	
20-0005-0858	Goodwin Township	Township	466th Ave	Full	20-0005-0858	44.85241	-96.88432	Precast Concrete	Rectangle	1	120	48	40	26	Good						Yes	
20-0003-2996	Goodwin Township	County	176th St	Full	20-0003-2996	44.83254	-96.87473	Precast Concrete	Open Bottom	1	96	60	31	21	Critical						No	
20-0004-1897	Hidewald Township	Township	185th St	Full	20-0004-1897	44.72029	-96.87260	Galvanized Steel	Round	1	72	72	28	44	Far						Yes	
20-0003-1295	Havana Township	Township	176th St	Full	20-0003-1295	44.79020	-96.86862	Galvanized Steel	Round	1	48	48	13	40	Poor						Yes	
					20-0003-1296	44.79019	-96.86859	Galvanized Steel	Round	1	48	48	13	40	Poor						Yes	
20-0004-0405	Rome Township	Township	170th St	Full	20-0004-0405	44.91905	-96.86633	Precast Concrete	Rectangle	1	72	48	24	24	Far						Yes	
20-0100-1386	Havana Township	Township	467th Ave	Full	20-0100-1386	44.77701	-96.85511	Precast Concrete	Open Bottom	1	96	48	25	26	Far						Yes	
20-0100-1454	Havana Township	Township	467th Ave	Full	20-0100-1454	44.76728	-96.85514	Galvanized Steel	Round	1	72	72	28	50	Far						Yes	
					20-0100-1455	44.76722	-96.85515	Galvanized Steel	Round	1	72	72	28	50	Poor						Yes	
20-0100-2387	Hidewald Township	Township	467th Ave	Full	20-0100-2387	44.83447	-96.85523	Precast Concrete	Rectangle	1	60	60	20	30	Poor						Yes	
20-0100-2598	Grange Township	Township	467th Ave	Minimum	20-0100-2598	44.60161	-96.85512	Galvanized Steel	Round	1	96	96	50	60	Good						No	
					20-0100-2599	44.60158	-96.85514	Galvanized Steel	Round	1	96	96	50	60	Good						No	
					20-0100-2600	44.60155	-96.85513	Galvanized Steel	Round	1	96	96	50	60	Poor						No	
20-0100-2958	Grange Township	Township	467th Ave	Full	20-0100-2958	44.54951	-96.85524	Precast Concrete	Rectangle	1	96	60	40	26	Poor						Yes	
20-0101-0925	Goodwin Township	Township	467th Ave	Full	20-0101-0925	44.84375	-96.85495	Galvanized Steel	Round	1	60	60	20	40	Far						Yes	
20-0101-0964	Goodwin Township	Township	467th Ave	Full	20-0101-0964	44.83808	-96.85502	Galvanized Steel	Round	1	60	60	20	40	Critical						Yes	
20-0101-1024	Goodwin Township	Township	467th Ave	Full	20-0101-1024	44.82944	-96.85494	Aluminized Steel	Round	1	60	60	20	40	Far						Yes	
					20-0101-1025	44.82942	-96.85494	Aluminized Steel	Round	1	60	60	20	40	Far						Yes	
20-0101-1593	Havana Township	Township	467th Ave	Full	20-0101-1593	44.74708	-96.85500	Precast Concrete	Rectangle	1	120	60	50	26	Poor						Yes	
20-0104-2599	Grange Township	County	467th Ave	Full	20-0104-2599	44.60154	-96.85430	Precast Concrete	Cattle Pass	1	48	48	16	30	Poor						No	
20-0118-2486	Grange Township	Township	191st St	Minimum	20-0118-2486	44.61641	-96.85151	Galvanized Steel	Round	1	72	72	28	60	Far						No	
20-0119-0305	Rome Township	County	169th St	Full	20-0119-0305	44.93353	-96.85131	Galvanized Steel	Round	1	60	60	20	54	Far						No	
					20-0119-2486	44.61641	-96.85137	Galvanized Steel	Round	1	72	72	28	70	Good						No	
					20-0119-2487	44.61641	-96.85141	Galvanized Steel	Round	1	72	72	28	60	Far						No	
20-0152-0155	Rome Township	Township	167th St	Full	20-0152-0155	44.95026	-96.85442	Galvanized Steel	Round	1	60	60	20	30	Far						Yes	
					20-0152-2388	44.95026	-96.85433	Galvanized Steel	Round	1	36	36	7	40	Far						No	
20-0152-2386	Grange Township	County	190th St	Full	20-0152-2386	44.63062	-96.85457	Precast Concrete	Rectangle	2	216	108	324	84	Good						No	
20-0160-1798	Havana Township	County	184th St	Full	20-0160-1798	44.71750	-96.85289	Precast Concrete	Rectangle	1	60	60	20	100	Far						No	
20-0161-1096	Goodwin Township	Township	177th St	Full	20-0161-1096	44.81907	-96.85271	Aluminized Steel	Round	1	48	48	13	40	Critical						Yes	
					20-0161-1097	44.81906	-96.85268	Aluminized Steel	Round	1	48	48	13	40	Poor						Yes	
20-0162-0155	Rome Township	Township	167th St	Full	20-0162-0155	44.95025	-96.85232	Galvanized Steel	Round	1	30	30	5	40	Far						Yes	
					20-0162-0155	44.95025	-96.85221	Galvanized Steel	Round	1	60	60	20	40	Far						No	
20-0164-0464	Rome Township	County	467th Ave	Full	20-0164-0464	44.91504	-96.85028	Galvanized Steel	Round	1	60	60	20	60	Good						No	
20-0165-0126	Rome Township	County	467th Ave	Full	20-0165-0126	44.95045	-96.85169	Galvanized Steel	Round	1	60	60	20	55	Good						No	
					20-0165-0127	44.95038	-96.85170	Galvanized Steel	Round	1	60	60	20	55	Good						No	

RAIF Timeline: 07-30-2022 - Dept 2022-08-01,County Culvert Summary-

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RAIF_Templates_07-30-2022_Devel 2022-08-03.kim:Culvert_Summary

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08/09/2022 7:30 AM

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Rural Access Infrastructure Funding & Inventory Process

Dave Huft, South Dakota Department of Transportation

Small Structure Improvement Excel Spreadsheet

- Small Structure Report
 - One structure per page
 - Complete inventory information

SD Small Structure Inventory		Culvert Detail Report	
Culvert Identification & Location			
County: MINNEHAHA	Small Structure Number: 50-0358-2316		
Township: Wellington Township	Local Identifier: 267R n23w0103.5		
Road System: Township	Latitude: 43.514282		
Road Name: 267 St	Longitude: -97.058078		
Maintenance Level: Full Maintenance	Number Served: Not a dead end		
Road Surface: Gravel	Detour Length: 2 miles		
Culvert Identification & Location			
Culvert Purpose: Drainage	Culvert Type: Pipe Culvert		
Culvert Location: Culvert lies beneath mainline	Year Built: 0		
Overtop Frequency: Unknown	Lining: No Lining		
Culvert Dimensions			
Culvert Shape: Round	Barrel Length: 45 feet		
Culvert Material: Galvanized Steel	Roadway Length: 10 feet		
Number of Cells: 1	Skew Angle: 0 degrees		
Span: 96 inches	Cover Height: 2 feet		
Rise: 96 inches	Cross Section Area: 50.3 sq ft		
Culvert Condition			
Overall Condition: Poor	Physical Damage: None		
Crushing: None	Plugging: None		
Joint Separation: None	Embankment Settlement: None		
Infiltration: Inlet or Outlet Only	Road Surface Distress: Negligible road surface distress present		
Material Deterioration: Moderate			
Other Comments: None			
End Treatments and Erosion Control			
Inlet End Treatment: None	Outlet End Treatment: None		
Perched Inlet? No	Perched Outlet? No		
Inlet Water Level: Culvert Partially Filled	Outlet Water Level: Culvert Partially Filled		
Inlet Erosion Control: Rip Rap	Outlet Erosion Control: Rip Rap		
Inlet Erosion: None	Outlet Erosion: None		
Erosion Outside ROW: No erosion outside of ROW	Erosion Outside ROW: No erosion outside of ROW		
Load Postings			
Traffic Status: Open without load restrictions	Single Unit Vehicle Posting: None		
Axle Weight Posting: None	Combination Vehicle Posting: None		
Load Rating Recommended? Load rating evaluation not recom			
Inspection Record			
Inventory By: Cory mackedanz / Nathan Klopp			
Inventory Date: 10/28/2021			
Further Inspection Needed? Inspection complete			

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Small Structure Improvement Excel Spreadsheet

- 5-Year List of Proposed Improvements
 - Project Year
 - Locations
 - Project Types
 - Estimated Costs
 - Funding Sources

SD Rural Access Infrastructure Fund		5-Year Small Structure Improvement Plan		Proposed Projects List	
Project #: 1	Structure Type: <input type="radio"/> Culvert <input checked="" type="radio"/> Small Bridge	Eligible Structure: Yes			
County: MINNEHAHA	Road Name: 460 Avenue	Latitude: 43.588293			
Township: Humboldt Town	Road System: Township	Longitude: -97.009708			
Maintenance Level: Full Maintenance	Number Served: Not a dead end				
Road Surface: Gravel	Detour Length: 2 miles				
Small Structures	Structure Description	NBIS Length (ft)	Overall Condition		
50-0600-1805	24' x 20'W Steel Girder	10.0	Poor		
Proposed Improvement		Anticipated Funding		Remarks	
Planned Year: 2023		Federal: \$0		Bridge requires complete replacement with a similar girder bridge or an equivalent box culvert. A design study will be performed.	
Project <input checked="" type="checkbox"/> Replacement		State: \$0			
Improvement <input type="checkbox"/> Rehabilitation		County: \$0			
Types <input type="checkbox"/> New Construction		Township: \$10,000			
<input checked="" type="checkbox"/> Planning/Engineering		Private: \$0			
Estimated Cost: \$45,000		RAIF Request: \$35,000	Total: \$45,000		
Road owner (township or county) must provide at least 20% of total funding.					
Project #: 2	Structure Type: <input type="radio"/> Culvert <input checked="" type="radio"/> Small Bridge	Eligible Structure: Yes			
County: MINNEHAHA	Road Name: 455	Latitude: 43.650754			
Township: Humboldt Town	Road System: Township	Longitude: -97.109325			
Maintenance Level: Full Maintenance	Number Served: Not a dead end				
Road Surface: Gravel	Detour Length: 2 miles				
Small Structures	Structure Description	Outlet (sqft)	Overall Condition		
50-0101-1373	1 x 60'W x 60'H x 20'L Galvanized Steel Round	19.6	Poor		
Proposed Improvement		Anticipated Funding		Remarks	
Planned Year: 2024		Federal: \$0		Culvert will be replaced with another culvert of the same size and material and equipped with safety ends. Private funding is being contributed by an adjacent business.	
Project <input checked="" type="checkbox"/> Replacement		State: \$0			
Improvement <input type="checkbox"/> Rehabilitation		County: \$0			
Types <input type="checkbox"/> New Construction		Township: \$3,600			
<input type="checkbox"/> Planning/Engineering		Private: \$2,000			
Estimated Cost: \$18,000		RAIF Request: \$12,400	Total: \$18,000		
Road owner (township or county) must provide at least 20% of total funding.					

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Rural Access Infrastructure Funding & Inventory Process

Dave Huft, South Dakota Department of Transportation

Small Structure Improvement Plan Content

- Financial Report
 - Townships only
 - Most recently filed with SD Legislative Audit per SDCL § 8-10-30

ANNUAL STATEMENT OF _____ TOWNSHIP	
COUNTY _____	FOR THE YEAR _____
1. FUND: GENERAL FUND	
OR SELECT APPLICABLE: SECONDARY ROAD CAPITAL IMPROVEMENT FUND	
SNOW FUND, FIRE FUND, or _____ FUND	
2. CASH BALANCE AT THE BEGINNING OF THE YEAR	_____
RECEIPTS:	
3. Motor Vehicle Fees	_____
4. Distributions from the Local Government Hwy and Bridge Fund	_____
5. Private License Fees	_____
6. Wheel Tax	_____
7. Property Taxes (Include Opt Out)	_____
8. Bank Franchise Tax	_____
9. U. S. Fish and Wildlife Payments	_____
10. State Highway Fund (former 10% game)	_____
11.1 Federal Grants	_____
11.2 State Grants	_____
12. Interest Earned from Bank Accounts and CD's	_____
13. Motor Fuel Tax	_____
14. Renewable Facility Tax	_____
15. Other Receipts (include Rural Access Infrastructure Revenue, etc.)	_____
16. Total Receipts (add lines 3 through 15)	0.00
DISBURSEMENTS:	
17. Road Maintenance (graveling, grading, etc.)	_____
18. Snow Removal	_____
19. Weed mowing/spraying	_____
20. Road Construction (culverts, bridges, regrading, reconstruction)	_____
21. Equipment Purchase/Lease	_____
22. Administration	_____
23. Fire Protection	_____
24. Ambulance Service	_____
25. Other (loan repayment, etc.)	_____
26. Total Disbursements (add lines 17 through 25)	0.00
27. End of Year Balances - Checking	_____
28. Passbook	_____
29. CD# _____	_____
30. CD# _____	_____
31. Other	_____
32. Total Cash at the End of the Year (Add lines 27 through 31)	0.00
Total cash verification (Lines 2 + 16 - 26 = line 32)	
33. Loan Balance Outstanding	_____
I hereby certify to the best of my knowledge that this statement is a true and correct account of all money received, paid out and on hand with the township treasury.	
CHAIRMAN _____	PHONE _____
TREASURER _____	PHONE _____
CLERK _____	PHONE _____

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Legislation & Funding

Small Structure Inventory

Small Structure Improvement Plans

➡ Project Funding Applications

Calendar and Next Steps

Presentation Topics

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Rural Access Infrastructure Funding & Inventory Process

Dave Huft, South Dakota Department of Transportation

Small Structure Improvement Plan & Excel Workbook

RAIF Funding Application

- One structure per application
- Addresses required items
- Includes inventory information
- Requires township resolution

SD Rural Access Infrastructure Fund		RAIF Improvement Funding Application		Culvert Application																
County: MINNEHAHA		Highway & Traffic Characteristics		Latitude: 43.563428																
Township: Wellington Township		Road Name: 457 Ave		Longitude: -97.069288																
Maintenance Level: Full Maintenance		Road System: Township		Number Served: Not a dead end																
Road Surface: Gravel		Detour Length: 2 miles																		
Traffic Uses (check all that apply): <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Recreational <input type="checkbox"/> School/Medical		Estimated Average Daily Traffic (Optional):		Estimated Average Daily Trucks (Optional):																
Public Safety Impact: (please describe)		This road provides emergency medical access to residences and agribusinesses.																		
Hydrological Impact: (please describe)		No change will be made to the culvert sizing or flow.																		
Small Structure		Structure Description	Outlet (ft)	Overall Condition																
50-0302-1977		1 x 60"W x 60"H x 22'L Galvanized Steel Round	19.6	Fair																
50-0302-1978		1 x 60"W x 60"H x 22'L Galvanized Steel Round	19.6	Fair																
Structure Elements		Improvement Description (check all that apply)		Estimated Cost																
Culverts:		<input checked="" type="checkbox"/> Maintenance/Repair <input type="checkbox"/> Partial Replacement <input type="checkbox"/> Full Replacement		\$4,200																
Culvert Lining:		<input type="checkbox"/> Maintenance/Repair <input type="checkbox"/> Partial Replacement <input type="checkbox"/> Full Replacement		\$0																
End Treatments:		<input type="checkbox"/> Maintenance/Repair <input type="checkbox"/> Partial Replacement <input type="checkbox"/> Full Replacement		\$2,400																
Channel:		<input checked="" type="checkbox"/> Cleaning & Clearing <input type="checkbox"/> RipRap or Erosion Control <input type="checkbox"/> Reshaping or Regrading		\$1,400																
Roadway Restoration:		<input type="checkbox"/> Grading <input type="checkbox"/> Gravel Surfacing <input type="checkbox"/> Paving		\$800																
Engineering:		<input type="checkbox"/> Engineering Study <input type="checkbox"/> Hydrological Study <input type="checkbox"/> Planning Study		\$0																
Other (please describe):																				
Work Description: (Please explain the specific nature of the work in sufficient detail; attach extra sheets if necessary) One heavily section of each culvert will be replaced. Both ends of both culverts will be fitted with flared ends. The downstream channel will be cleaned and riprap will be placed.																				
Improvement Year: 2023 <small>Please indicate the calendar year the improvement will be built</small>																				
Work Performed by: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> County Forces <input type="checkbox"/> Township Forces <input type="checkbox"/> Other (explain):																				
Total Estimated Cost: \$8,800 <small>Please describe additional funding information below</small>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Funding Source</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Federal:</td> <td>\$0</td> </tr> <tr> <td>State:</td> <td>\$0</td> </tr> <tr> <td>County:</td> <td>\$0</td> </tr> <tr> <td>Township:</td> <td>\$2,000</td> </tr> <tr> <td>Private:</td> <td>\$1,000</td> </tr> <tr> <td>RAIF Request:</td> <td>\$5,800</td> </tr> <tr> <td>Total Funding:</td> <td>\$8,800</td> </tr> </tbody> </table>					Funding Source	Amount	Federal:	\$0	State:	\$0	County:	\$0	Township:	\$2,000	Private:	\$1,000	RAIF Request:	\$5,800	Total Funding:	\$8,800
Funding Source	Amount																			
Federal:	\$0																			
State:	\$0																			
County:	\$0																			
Township:	\$2,000																			
Private:	\$1,000																			
RAIF Request:	\$5,800																			
Total Funding:	\$8,800																			
<small>Total Funding must equal Estimated Cost. Township or county share must be at least 20% of funds necessary to complete the project.</small> Application Approval and Submission Township Eligibility: <input type="checkbox"/> Township imposes annual property tax levy of \$0.50/thousand <input type="checkbox"/> Township imposes tax levy opt out Submitting Agency: Wellington Township Agency Resolution Date: 08/01/2022 Submitted By: Wellington Township Board Chair Submission Date: 08/01/2022																				

Minnehaha_RAIF_Templates_07-30-2022_Examples.xlsx
 «Culvert_Application_Template»

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08/02/2022 4:00 PM

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County Commissions Must Consider (SDCL § 31-34)

- | | |
|---|--|
| <ul style="list-style-type: none"> ▪ Traffic use of the highway ▪ Public safety ▪ Residential, commercial, recreational, and other uses of the highway ▪ Cost of the project ▪ Length of detour if the project is not completed ▪ Number of residences, farms, and ranches served by the project ▪ Financial contribution from township or others to the project | <ul style="list-style-type: none"> ▪ Ability of township to fund the project without the rural access infrastructure fund ▪ Confirmation the project is not located on a no maintenance or minimum maintenance road ▪ Hydrological impact ▪ Whether the highway terminates into a field entrance, driveway, single residence, farm, or ranch ▪ The application or group of applications that best serves the citizens of South Dakota |
|---|--|

Counties and townships have to establish funding agreements & procedures

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Rural Access Infrastructure Funding & Inventory Process
Dave Huft, South Dakota Department of Transportation

Next Steps



Update Guidance and Excel Spreadsheet
(SDDOT by **March 1**)



Update small structure inventory
by May 31



Distribute FY2024 RAIF funding
(SDDOR **July**)



Submit Small Structure Improvement Plans
by August 31



Submit RAIF funding applications
by October 31



Award funding
by January 15

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Questions?

-
-
-
-

Contact:

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SDDOT Intelligent Transportation
Systems Program Manager

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