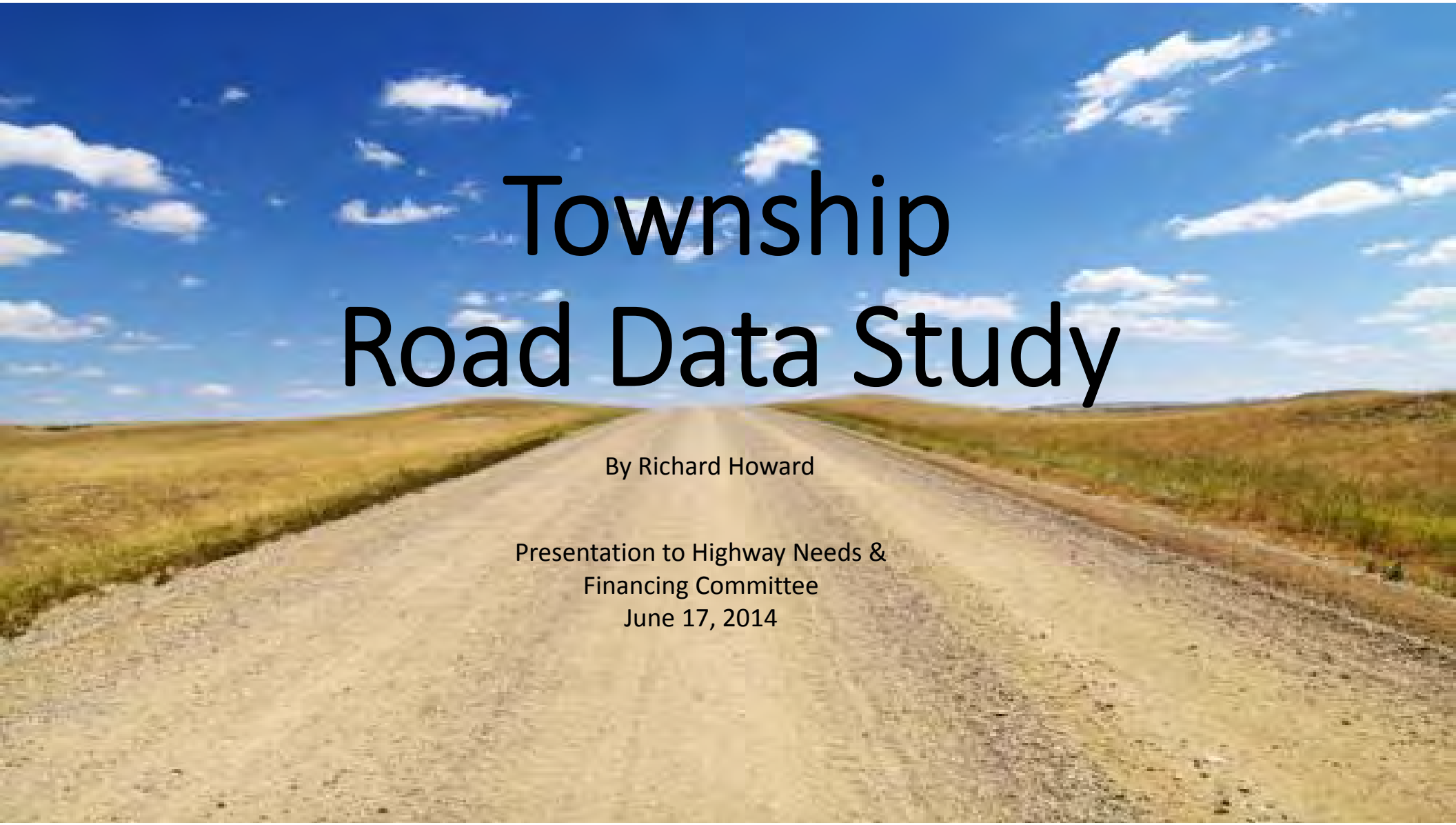
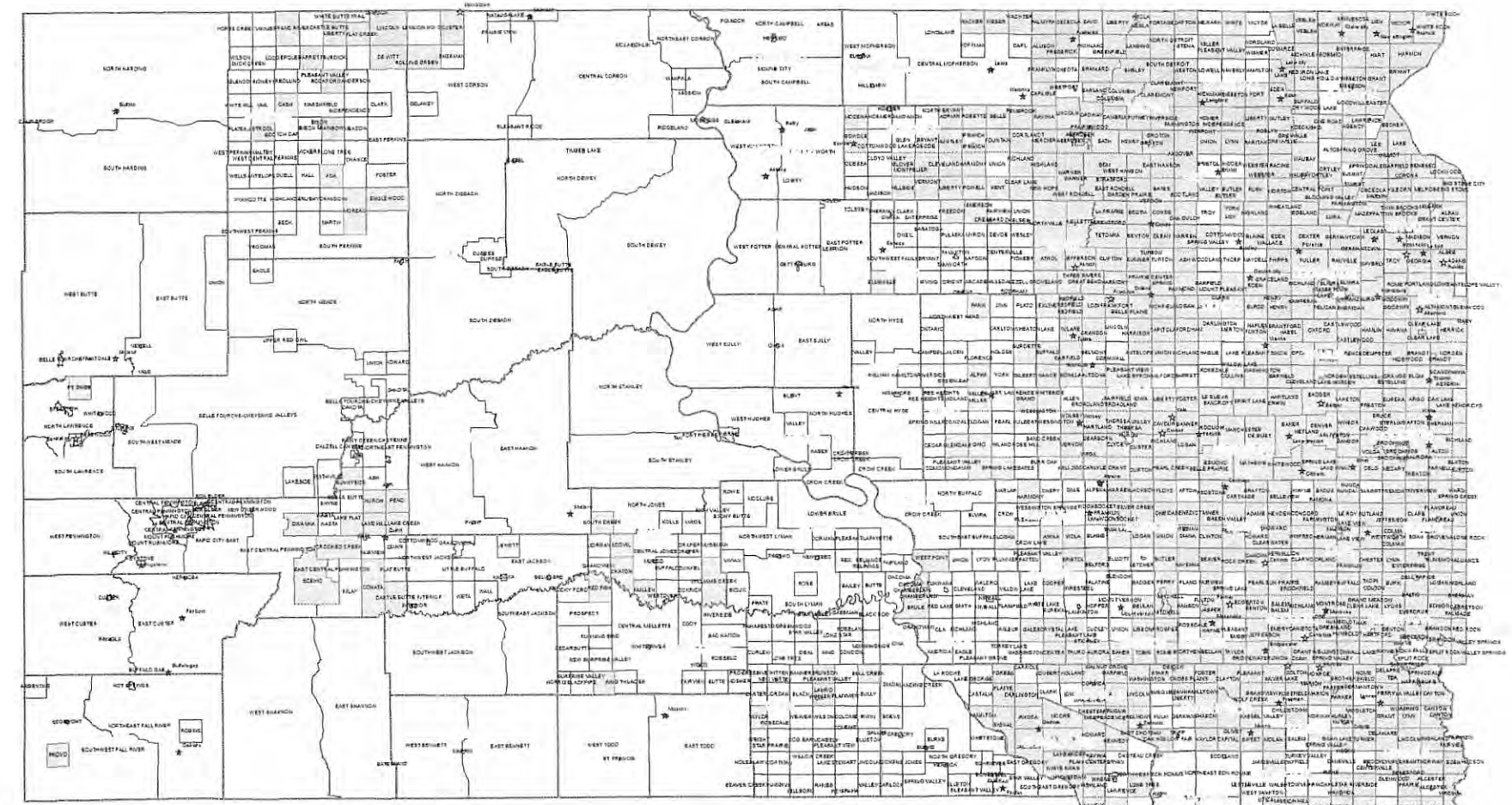


Township Road Data Study

By Richard Howard

Presentation to Highway Needs & Financing Committee
June 17, 2014

SOUTH DAKOTA ASSOCIATION OF TOWNS AND TOWNSHIPS 2013 MEMBERS



Legend

- ☆ Town Bonded
- ★ Town Paid
- Township Paid
- County Boundary
- Township

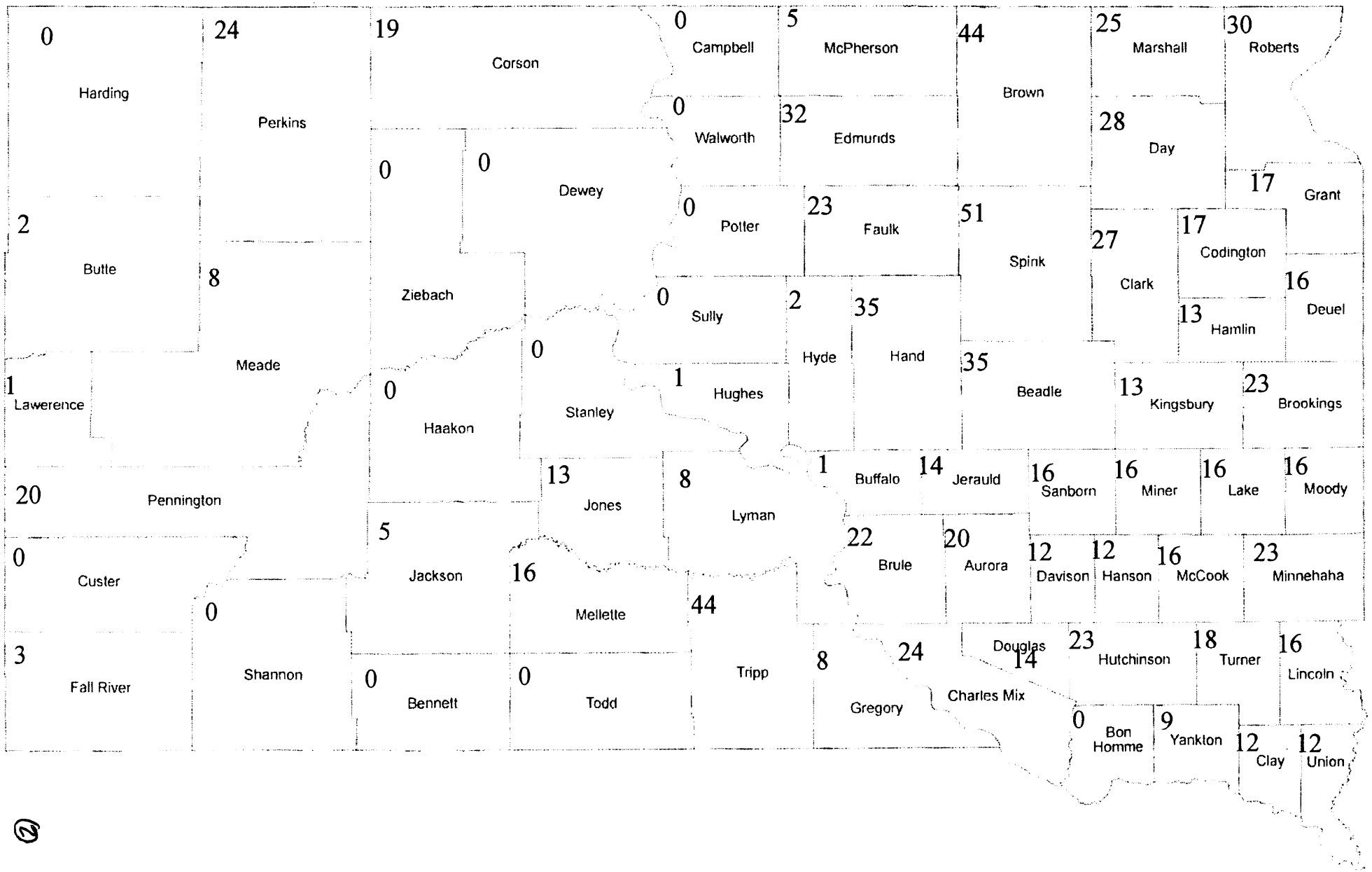
0 25 50 100

Miles

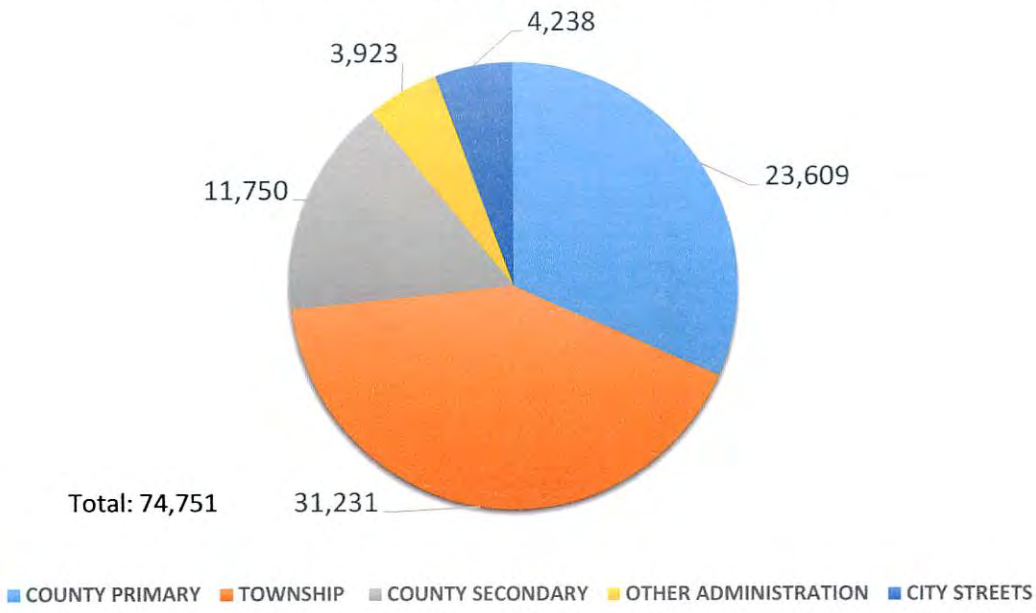
N

Source: SDAT&T
in association with
USDA-NRCS
South Dakota State Office GIS Branch
Mercator Projection

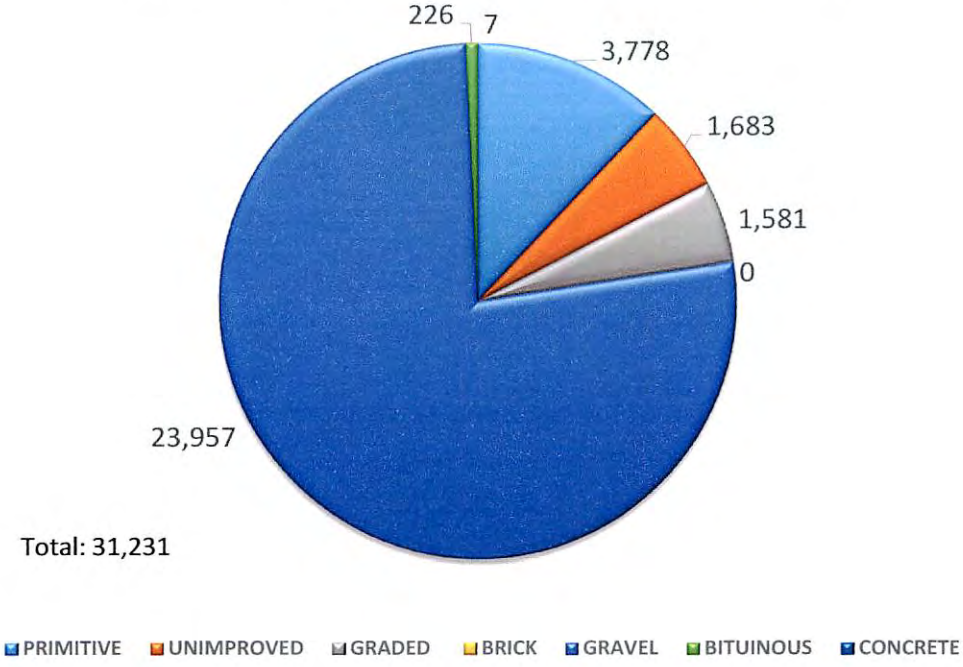
South Dakota Counties with Number of Townships



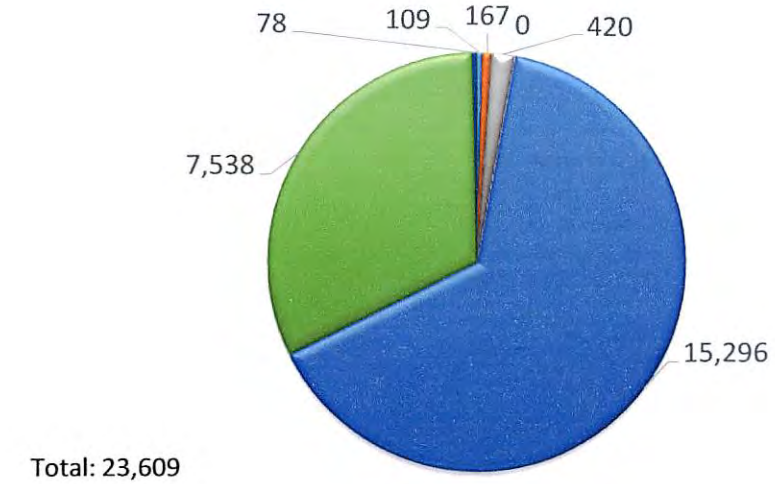
SD MILEAGE BY ADMINISTRATIVE SYSTEM



TOWNSHIP ROAD MILEAGE BY SURFACE TYPE



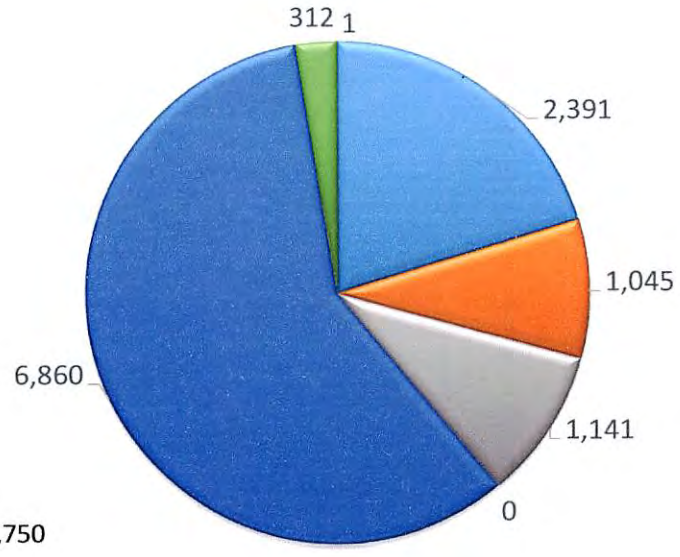
COUNTY - PRIMARY - ROADS MILEAGE BY SURFACE TYPE



Total: 23,609

PRIMITIVE UNIMPROVED GRADED BRICK GRAVEL BITUINOUS CONCRETE

COUNTY - SECONDARY -ROAD MILEAGE BY SURFACE TYPE



Total: 11,750

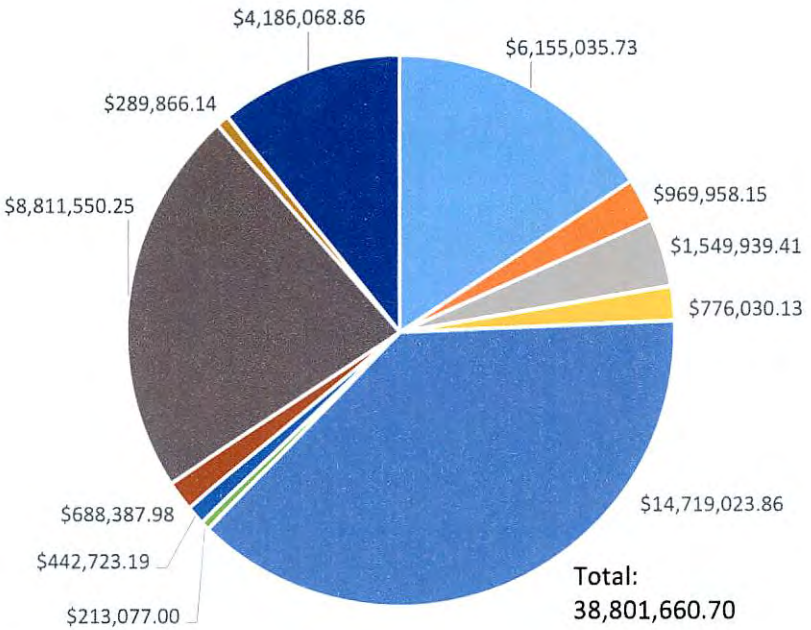
PRIMITIVE UNIMPROVED GRADED BRICK GRAVEL BITUINOUS CONCRETE

TOTAL ROADS AND STREET MILEAGE - 2013
CLASSIFIED BY COUNTY AND ADMINISTRATIVE SYSTEM

COUNTY NAME	COUNTY PRIMARY	TOWNSHIP	COUNTY SECONDARY	OTHER ADMINISTRATION	CITY STREETS	TOTAL
AURORA	453.983	707.511	0.000	0.735	23.146	1,185.373
BEADLE	572.629	1,379.027	0.378	9.536	117.774	2,079.344
BENNETT	197.640	0.000	358.251	68.699	9.238	633.828
BON HOMME	270.510	0.000	635.837	3.611	49.757	959.715
BROOKINGS	390.766	937.812	0.000	38.680	140.403	1,507.661
BROWN	675.588	1,984.697	2.461	45.863	183.397	2,892.006
BRULE	495.688	515.962	8.365	1.717	39.263	1,060.995
BUFFALO	89.237	19.170	132.437	44.078	0.000	284.922
BUTTE	196.561	2.046	536.507	59.632	56.939	851.685
CAMPBELL	284.140	0.000	551.312	6.217	14.159	855.828
CHARLES MIX	567.433	1,035.648	29.323	40.886	54.866	1,728.156
CLARK	456.921	954.982	0.000	1.411	30.075	1,443.389
CLAY	234.451	493.750	0.130	8.636	47.813	784.780
CODINGTON	389.828	740.099	0.000	9.389	177.912	1,317.228
CORSON	676.516	109.415	315.572	106.155	17.687	1,225.345
CUSTER	136.215	0.000	255.487	463.259	30.703	885.664
DAVISON	331.729	442.968	0.000	7.925	124.810	907.432
DAY	523.327	928.170	0.000	22.354	51.705	1,525.556
DEUEL	239.968	719.906	0.000	3.981	31.655	995.510
DEWEY	457.171	0.000	101.380	207.715	17.573	783.839
DOUGLAS	232.411	543.995	0.000	0.767	22.992	800.165
EDMUNDS	367.535	1,013.702	4.653	1.242	30.167	1,417.299
FALL RIVER	204.780	13.573	389.881	103.178	53.125	764.537
FAULK	369.119	654.354	137.748	0.395	26.198	1,187.814
GRANT	446.581	714.617	0.000	2.695	53.573	1,217.466
GREGORY	375.736	239.940	414.807	15.379	47.240	1,093.102
HAAKON	507.522	0.000	368.853	1.071	12.295	889.741
HAMLIN	263.397	580.163	0.000	4.391	32.135	880.086
HAND	399.146	967.331	150.746	3.488	23.762	1,544.473
HANSON	229.913	457.118	4.117	1.311	17.638	710.097
HARDING	505.736	0.000	228.693	24.332	8.528	767.289
HUGHES	235.815	17.522	427.675	39.931	95.501	816.444
HUTCHINSON	482.928	942.787	0.000	0.056	47.340	1,473.111
HYDE	220.719	24.501	387.628	2.793	13.682	649.323
JACKSON	120.857	48.158	515.164	125.425	18.190	827.794
JERAULD	257.787	417.674	44.974	0.000	23.576	744.011
JONES	299.765	161.988	100.186	5.809	13.498	581.246
KINGSBURY	357.281	983.743	0.000	6.972	48.708	1,396.704
LAKE	296.612	716.172	0.000	27.303	54.250	1,094.337
LAWRENCE	243.575	12.028	87.428	436.880	117.521	897.432
LINCOLN	321.933	707.593	0.000	46.747	222.894	1,299.167
LYMAN	383.909	144.023	529.537	89.674	27.519	1,174.662
MCCOOK	284.289	721.552	0.000	10.095	38.815	1,054.751
MCPHERSON	285.356	66.031	858.556	1.064	27.246	1,238.253
MARSHALL	318.274	722.313	4.893	22.554	28.509	1,096.543
MEADE	911.683	74.157	381.286	186.722	80.072	1,633.920
MELLETTE	269.444	199.465	89.555	14.009	9.914	582.387
MINER	295.646	680.524	0.000	2.771	27.606	1,006.547
MINNEHAHA	371.963	1,012.420	0.000	59.143	763.555	2,207.081
MOODY	281.011	648.018	0.000	6.992	33.574	969.595
PENNINGTON	512.060	317.198	370.483	617.388	460.267	2,277.396
PERKINS	551.823	568.797	301.460	42.082	26.126	1,490.288
POTTER	248.091	0.000	654.564	7.195	32.770	942.620
ROBERTS	480.539	1,075.669	0.000	87.694	51.743	1,695.645
SANBORN	310.893	553.671	0.000	0.239	19.935	884.738
SHANNON	113.701	0.000	219.340	325.954	1.600	660.595
SPINK	701.652	1,578.373	0.000	6.274	54.392	2,340.691
STANLEY	235.579	0.000	241.283	18.395	23.422	518.679
SULLY	324.956	0.000	603.785	25.235	11.674	965.650
TODD	186.988	0.000	368.610	142.047	10.727	708.372
TRIPP	665.729	980.346	23.124	2.239	35.455	1,706.893
TURNER	312.633	816.854	0.480	0.720	56.564	1,187.251
UNION	220.402	551.113	24.069	26.302	66.547	888.433
WALWORTH	338.524	0.000	450.099	11.830	53.899	854.352
YANKTON	306.248	332.799	188.930	69.246	86.950	984.173
ZIEBACH	318.037	0.000	250.283	146.040	7.538	721.898
TOTAL	23,608.879	31,231.445	11,750.330	3,922.546	4,238.107	74,751.307

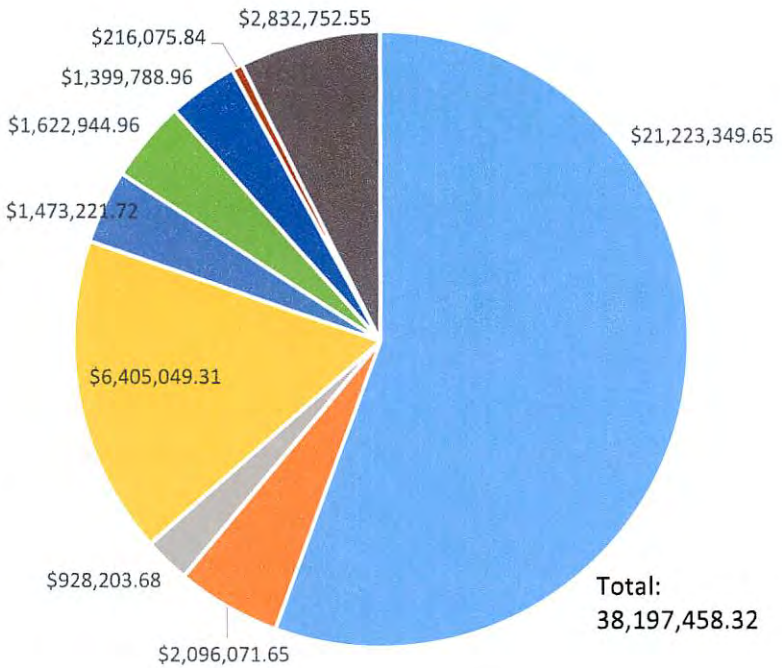
Grant Township, McCook County
Washed out two 72" culverts
Last year one 72" culvert washed, installed two 72" culvert August 2013
1 June 2014 both 72" washed out again

2012 Township Data - Receipts



- 14% Motor Vehicle Fees
- Distributions from the Local Government Hwy and Bridge Fund
- Proration License Fees
- Wheel Tax
- Property Taxes
- Bank Franchise Tax
- U.S. Fish and Wildlife Payments
- State Highway Fund (former 10% game)
- FEMA Grants
- Interest Earned from Bank Accounts and CD's
- Other Receipts

2012 Township Data - Disbursements



- Road Maintenance (graveling, grading, etc.)
- Snow Removal
- Weed mowing/spraying
- Road Construction (culverts, bridges, regrading, reconstruction)
- Equipment Purchase / Lease
- Salaries / Fees / Mileage of Township Officials
- Fire Protection
- Ambulance Service
- Other (Utilities, insurance, loan repayment, postage, supplies, etc)

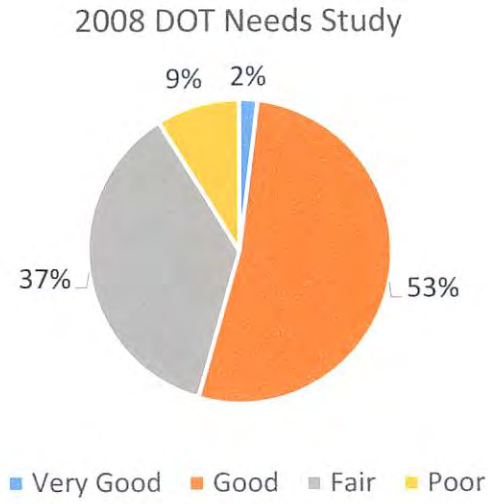
TOWNSHIP REVENUE AND EXPENDITURES

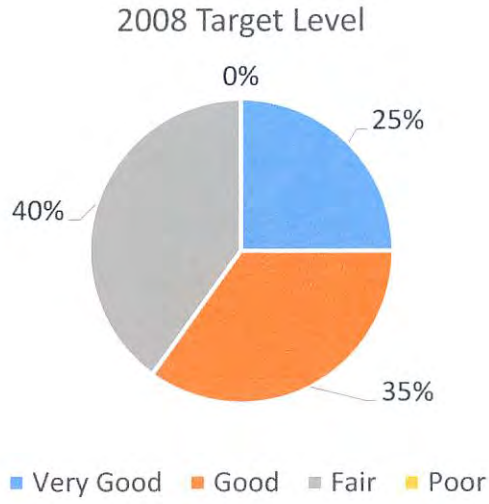
Information Based On Unaudited Financial Statements Submitted by the Townships to Legislative Audit

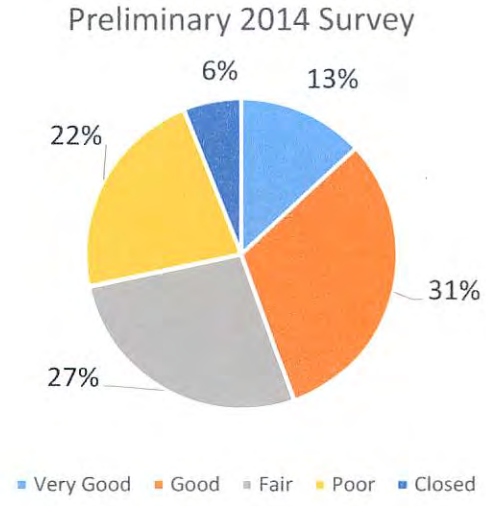
	FY 2010	FY 2011	FY 2012
14% Motor Vehicle Fees	$ 5,233,339.76	$ 5,101,675.36	$ 6,155,035.73
Distributions from the Local Government Hwy and Bridge Fund	$ 895,130.60	$ 802,229.97	$ 969,958.15
Proration License Fees	$ 1,120,969.94	$ 858,036.31	$ 1,549,939.41
Wheel Tax	$ 675,429.56	$ 733,844.80	$ 776,030.13
Property Taxes	$ 12,787,698.45	$ 13,134,802.37	$ 14,719,023.86
Bank Franchise Tax	$ 341,930.47	$ 259,448.99	$ 213,077.00
U.S. Fish and Wildlife Payments	$ 201,743.73	$ 331,382.84	$ 442,723.19
State Highway Fund (former 10% game)	$ 979,146.68	$ 688,329.30	$ 688,387.98
FEMA Grants	$ 2,541,072.82	$ 8,509,508.53	$ 8,811,550.25
Interest Earned from Bank Accounts and CD's	$ 464,297.75	$ 414,422.23	$ 289,866.14
Other Receipts	$ 3,266,935.07	$ 4,464,729.76	$ 4,186,068.86
Total Receipts	$ 28,507,694.83	$ 35,298,410.46	$ 38,801,660.70

Road Maintenance (graveling, grading, etc.)	$16,183,684.71	$17,754,342.65	$21,223,349.65
Snow Removal	$ 1,815,170.00	$ 2,780,307.09	$ 2,096,071.65
Weed mowing/spraying	$ 738,176.06	$ 806,783.10	$ 928,203.68
Road Construction (culverts, bridges, regrading, reconstruction)	$ 2,322,861.59	$ 5,001,628.91	$ 6,405,049.31
Equipment Purchase / Lease	$ 1,243,762.85	$ 2,700,881.69	$ 1,473,221.72
Salaries / Fees / Mileage of Township Officials	$ 1,397,036.29	$ 1,579,355.60	$ 1,622,944.96
Fire Protection	$ 1,427,944.61	$ 1,300,211.99	$ 1,399,788.96
Ambulance Service	$ 205,605.39	$ 185,156.27	$ 216,075.84
Other (Utilities, insurance, loan repayment, postage, supplies, etc)	$ 2,195,609.34	$ 2,328,916.25	$ 2,832,752.55
Total Disbursements	$ 27,529,850.84	$ 34,437,583.55	$ 38,197,458.32

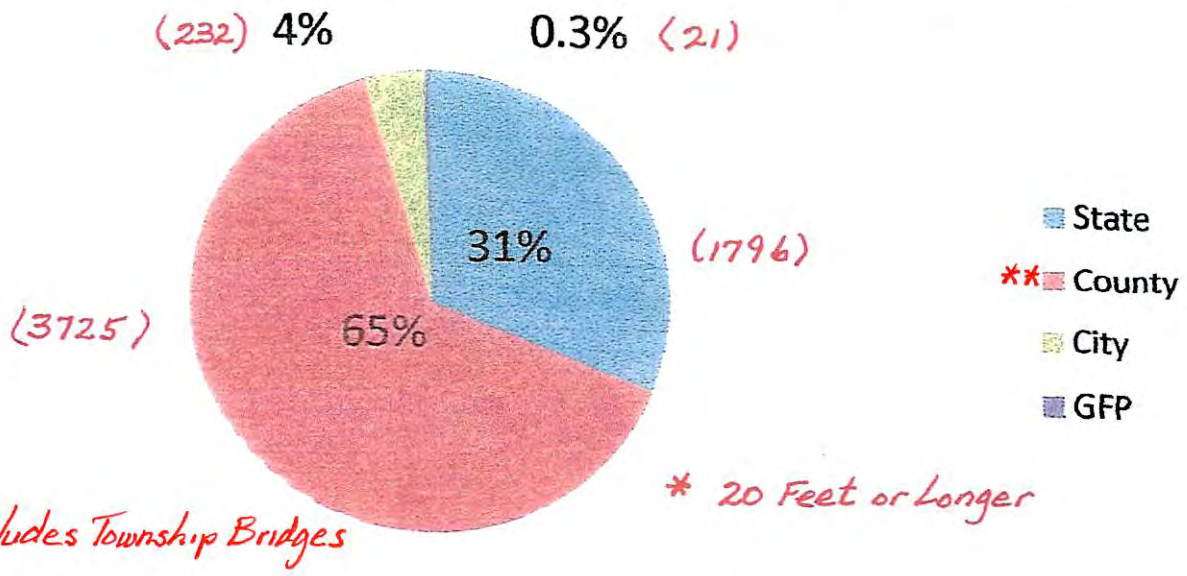
CONDITION OF TOWNSHIP ROADS



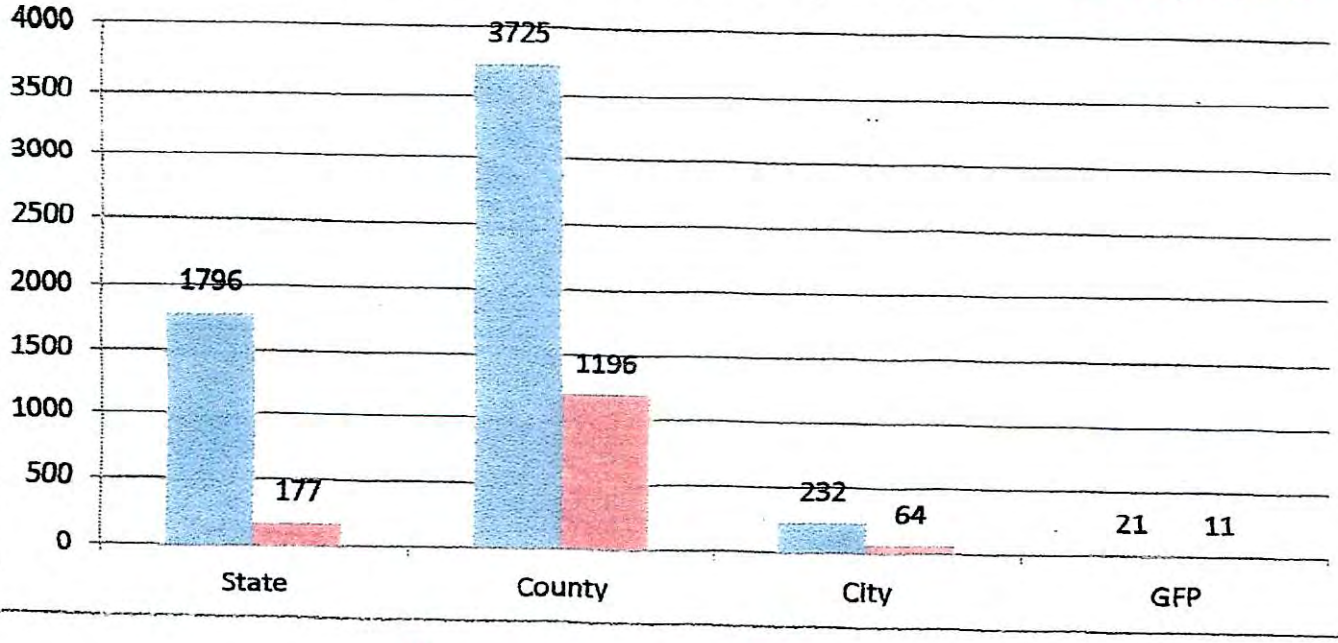




Total Bridges* In South Dakota (5774)

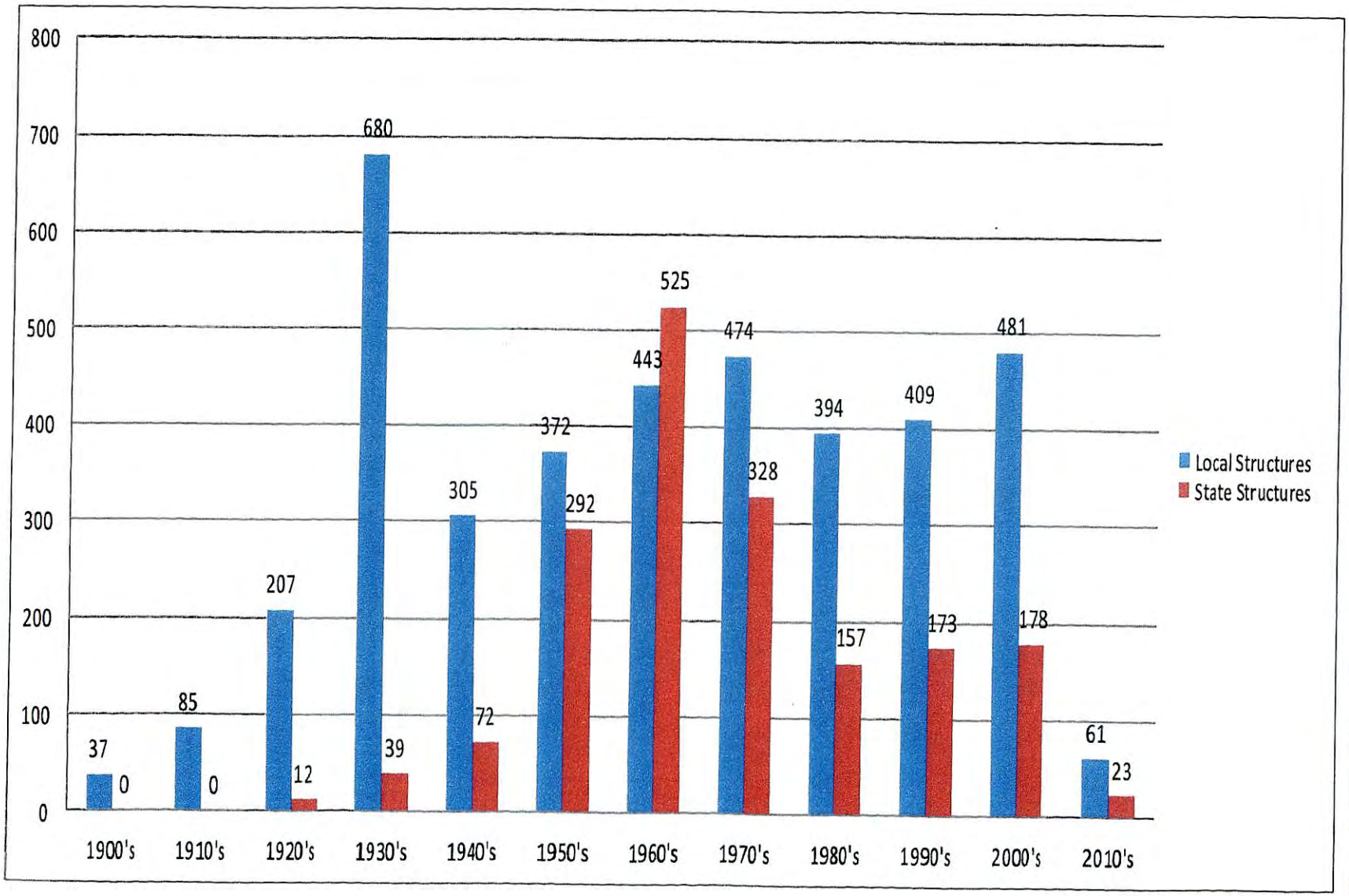


Total Number of Structures vs. Number Structurally Deficient or Functionally Obsolete (1448) = 25 %



Source: SDDOT 1/13/14

Bridges Built by Decade



Average bridge replacement cost on local system (using Federal Funds): $161,000

Cost to replace 2100 bridges:

$499 Million

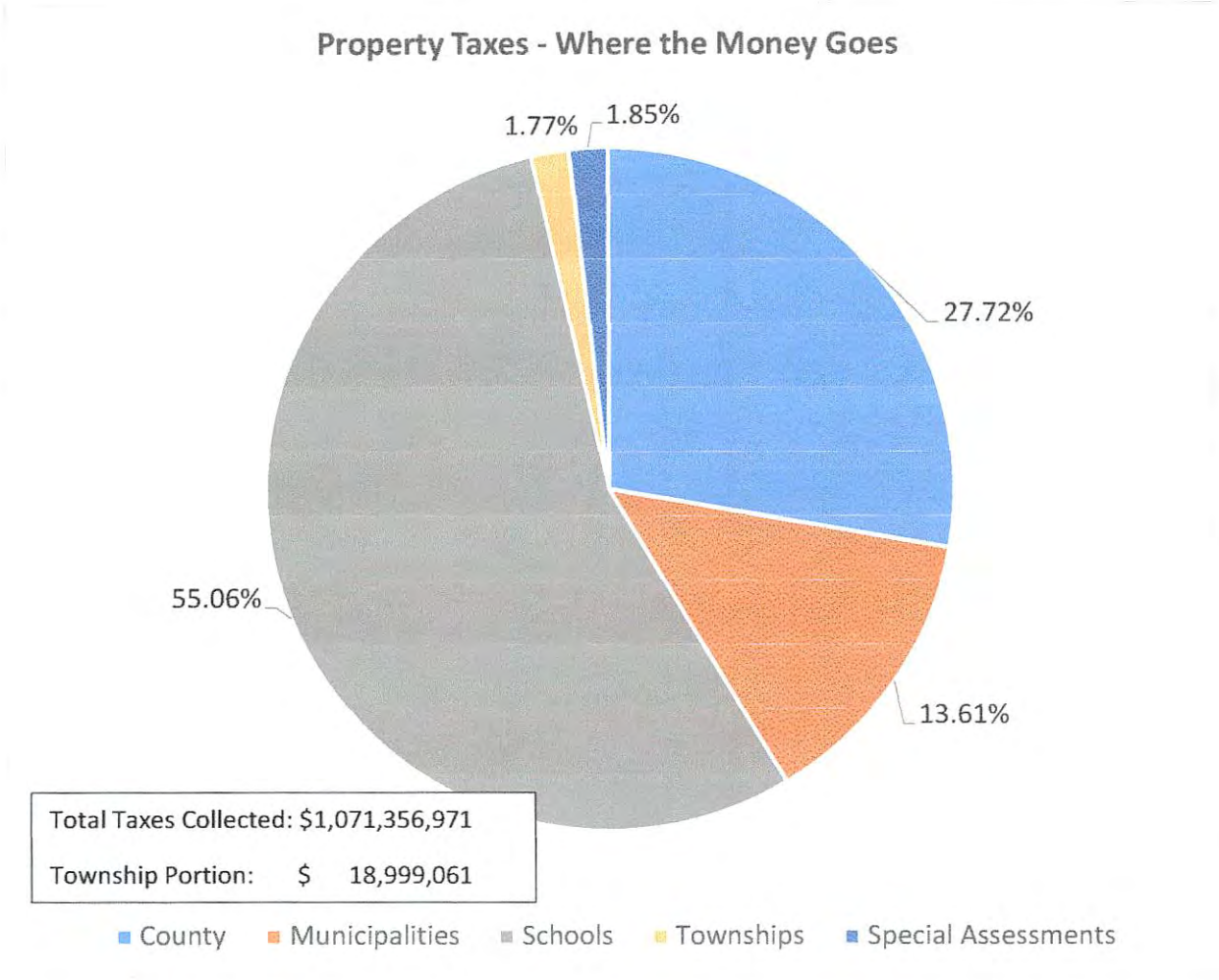
Federal Bridge Funds Available:

$7.9 M/Yr. (this will construct 25-30 structures per year with federal funds)

Current resolutions with current funding would fill program through FY 2026

Local Gov't Federal Bridge Funds (Federal Portion Only; NO Match)

Fiscal Year	Allocation	Inspection Costs	Actual Amount For Rehab and/or Replacement
1993	$4,981,000.00	$167,913.93	$4,813,086.07
1994	$4,488,000.00	$541,525.60	$3,946,474.40
1995	$4,661,000.00	$172,689.70	$4,488,310.30
1996	$3,835,000.00	$540,000.00	$3,295,000.00
1997	$4,268,000.00	$171,126.00	$4,096,874.00
1998	$5,512,000.00	$541,843.00	$4,970,157.00
1999	$6,064,000.00	$204,620.15	$5,859,379.85
2000	$7,319,000.00	$504,187.22	$6,814,812.78
2001	$8,813,000.00	$194,720.95	$8,618,279.05
2002	$8,272,000.00	$569,167.46	$7,702,832.54
2003	$6,870,000.00	$260,099.51	$6,609,900.49
2004	$7,900,000.00	$637,514.49	$7,262,485.51
2005	$6,842,000.00	$277,494.30	$6,564,505.70
2006	$7,650,000.00	$699,460.23	$6,950,539.77
2007	$7,913,000.00	$301,469.94	$7,611,530.06
2008	$7,280,000.00	$823,782.21	$6,456,217.79
2009	$6,532,000.00	$432,230.66	$6,099,769.34
2010	$7,581,000.00	$1,154,661.37	$6,426,338.63
2011	$7,978,000.00	$462,635.64	$7,515,364.36
2012	$7,470,635.00	$1,131,853.63	$6,338,781.37


Property Taxes - Where the Money Goes
1.77%
1.85%
27.72%
55.06%
13.61%
Total Taxes Collected: $1,071,356,971
Township Portion: $ 18,999,061
County
Municipalities
Schools
Townships
Special Assessments