

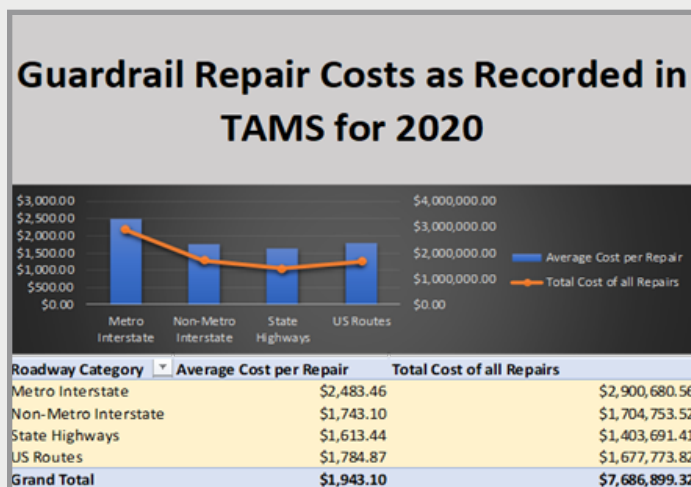
# WHY DATA IS IMPORTANT

Asset data (from pavement management or TAMS [their management system for assets other than pavements and bridges]) allows MnDOT to better time its investments to increase asset life and maximize the dollars spent. (This message could easily be conveyed with a pavement management example showing that preservation is a better investment than letting pavements deteriorate.)

- Limited dollars are being put towards activities providing a high return-on-investment, like preservation
- Better timing of the investments leads to longer asset life and maximized value
- The information they provide assists in making better decision about where and when treatments should be applied.

## TAMS Data Supports Procurement Activities

- TAMS data is interviewed with SWIFT to identify procurement quantities. Data from TAMS is used to identify parts used.
- The information can be used to:
  - ◆ Estimate the cost of asset repair by roadway type (in this example it's guardrail repairs)
  - ◆ Roll up costs by administrative unit.



### Guardrail Parts Entered on TAMS Work Orders for Calendar Year 2020

District - Subarea/Work Unit	Number of Parts	Cost of Guardrail Materials
District 1 - Duluth	3,078	\$66,219.75
District 2 - Bemidji	230	\$18,087.35
District 3 - St. Cloud	1,331	\$32,660.96
District 4 - Detroit Lakes	11,979	\$175,667.20
District 6 - Rochester	14,554	\$236,047.87
9626 - Subarea Rochester	3,323	\$38,516.54
9628 - Subarea Winona	765	\$29,907.30
9629 - Subarea Stewartville	47	\$1,680.53
9630 - Subarea Dresbach	2,546	\$20,545.88
9646 - Subarea Owatonna	2,403	\$44,598.85
9647 - Subarea Austin	1,046	\$17,895.74
9648 - Subarea Albert Lea	2,381	\$55,251.50
GR011 - HP TOP POST (FLEET #1 OR SKT #1)	1	\$95.32
GR0127 - W6 X 8.5 X 6" STEEL POST	12	\$676.44
GR0130 - W6 X 8.5 X 14" PLASTIC BLOCK	8	\$46.24
GR0202 - 12 GA 25" GUARDRAIL PANEL - TANGENT	2	\$399.92
GR0452 - 12 GA 12'-6" GUARDRAIL PANEL - TANGENT	3	\$315.66
GR0552 - 12 GA 12'-6" GUARDRAIL END SECTION (FLEET OR SKT)	1	\$105.22
GR0904 - 12'-6" SLOTTED THRIE BEAM TANGENT PANEL (BULLNOSE)	1	\$345.01
GR0906 - 12'-6" SLOTTED THRIE BEAM 5'-3" RADIUS PANEL (BULLNOSE)	2	\$1,108.24
GR0907 - 12'-6" SLOTTED THRIE BEAM 34'-2" RADIUS PANEL (BULLNOSE)	3	\$1,499.04
GR0918 - WD 5-1/2" X 7-1/2" X 46" W/2- POST BOLT HOLE (BULLNOSE)	4	\$208.92
GR0919 - WD 5-1/2" X 7-1/2" X 46" W/1- POST BOLT HOLE (BULLNOSE)	3	\$156.69
GR0920 - WD 6" X 8" X 78" CRT POST (BULLNOSE BREAKAWAY PO)	12	\$766.86
GR0921 - WD 6" X 8" X 78" STANDARD POST (BULLNOSE POST #9-)	2	\$146.40
GR0922 - WD 6" X 8" X 14" BLOCK STD	6	\$65.04
GR0923 - WD 6" X 8" X 14" TAPERED BLOCK (BULLNOSE)	6	\$75.48
GR0924 - WD 6" X 8" X 22" LONG BLOCK (BULLNOSE)	6	\$99.24
GR0941 - GROUP - SPLICE BOLT & NUT ( INC. GR927, GR935)	42	\$35.28
GR0943 - GROUP - 18" POST BOLT WITH NUT & WASHER ( INC. GF	7	\$22.96
GR0944 - GROUP - 26" POST BOLT WITH NUT & WASHER ( INC. GF	10	\$56.10
Z1033 - AGGREGATE, CLASS 2	2,250	\$49,027.50
9649 - Subarea Red Wing	1,812	\$25,006.57
District 6A Signs	232	\$2,644.96
District 7 - Mankato	2,794	\$59,823.85
District 8 - Willmar	518	\$10,548.96
Metro	30,060	\$647,438.18
<b>Grand Total</b>	<b>64,543</b>	<b>\$1,246,494.12</b>