

Appendix C

Operations Management System (OMS) Data Analysis



OMS Data Presentation - Summary of Meetings

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FROM: Gary Sharpe
Project Manager for District 4
Palmer Engineering

DATE: June 12, 2018

SUBJECT: KYTC District 4 Accessibility and Connectivity Studies
Meeting with Section Engineers and Maintenance Foremen

As a part of the existing data review process, Operations Management System (OMS) data was provided by KYTC for the 11 counties within District 4 with the objective of identifying persistent maintenance issues on major corridors. The original spreadsheet from KYTC had 19,150 individual maintenance activities (rows of data) for District 4 between January 2012 and July 2017.

To identify problem areas, these 19,150 activities were grouped by county in Microsoft Excel and each route within that county was then copied to an individual sheet. The route sheets were then sorted by From Point, and then To Point (the corridor milepoints). A calculated column, "Length," was added to each sheet to determine the length of the segment, based upon the milepoints.

Segments were then determined based upon contiguous and consistent high-cost repairs; therefore, the segments are of varying length. Once each segment was identified, the total cost for the segment, the cost per mile within the segment, and the percentage that segment's cost represents of the total corridor cost, were calculated.

Segment data was imported into ArcGIS and further refined if warranted (e.g., segments may have been combined or separated based on visual relationship). Mapping was created for each county, with segments categorized according to the following cost-per-mile thresholds: Less than \$10,000; \$10,000 - \$25,000; \$25,000 - \$50,000; \$50,000 - \$75,000; and Greater than \$75,000. Within each map, the segments with a cost per mile of \$10,000 or

greater were placed on the map with an accompanying flag or tabulation to identify the following information for each segment:

- Route number
- Milepoints of the high-cost segment
- Cost per mile within the segment
- Percentage of the corridor's total maintenance cost represented by the segment

The next step was to organize individual meetings with Section Engineers and maintenance staff from each of the District 4 counties to discuss the identified roadway segments and any other corridors with potential recurring maintenance issues. The goal of the meetings was to solicit input from the maintenance staff to compare to the results of the data-driven OMS analysis. The meetings were organized by Section, with two or three counties represented in each meeting, and according to the following format:

1. The group addressed each county in their Section, one county at a time.
2. The staff was given an 11"x17" map for each county, with each high-cost segment identified as described above.
3. Palmer staff took notes regarding the areas from the OMS data maps that the Section staff commented on. Those comments included temporary repairs that resulted in high expenditures and permanent repairs that resolved the issue leading to high costs, from the staff's perspective. *Not every flagged area was discussed.
4. A large-scale road map for each county was provided as well, and Section staff were requested to mark their high-priority areas on that map. Palmer staff noted the comments and concerns associated with each area marked and described. Those areas have been added to the summary tables and mapping below and identified as not being reflected in the OMS data when applicable.

The 11 county meetings are summarized below. The attached maps are updated versions of what was shown in the Section meetings. Feedback from the county staff has been added and color-coded to correspond with the tables below; flagged OMS data which was not discussed in the meetings is still denoted on each map for reference.



Meade, Grayson, and Breckinridge Counties

Hardinsburg Section Office

Westview, Kentucky

May 16, 2018 @ 9:30 A.M. EDT

Meade County

During the discussion about the Meade County OMS data analysis results, **two** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **nine** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. An additional **five** areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 823	Shoulder repairs	Resolution in progress	Yes	\$12,297	\$12,297
US 60 (MP 0.0 – 1.0)	Cross drain repair / patch	Resolved	Yes	\$13,520	\$13,520
KY 1919	Contract patch / pavement resurfacing	Ongoing	Yes	\$50,382	\$12,315
KY 1158	Inadequate base – shingle asphalt	Ongoing	Yes	\$37,399	\$10,692
KY 228 (MP 0.0 – 2.0, multiple locations)	Slide area	Ongoing	Yes	\$35,336	\$17,668
KY 1047	Slide area	Ongoing	Yes	\$57,582	\$26,535
KY 376	Slide area	Ongoing	Yes	\$26,265	\$26,265
KY 228 (MP 21.0 – 23.812)	Base failure repair	Ongoing	Yes	\$129,032	\$45,886
KY 710	Cross drains	Ongoing	Yes	\$46,048	\$39,123
KY 933 (MP 3.0 – 4.0)	Slide repair	Ongoing	Yes	\$23,807	\$23,807
KY 933 (MP 5.0 – 6.0)	Mill and repair / pavement shoving	Ongoing	Yes	\$14,889	\$14,889
KY 376 / KY 144	Slide area	Ongoing	No	NA	NA
KY 144 / County Road	Sight distance problem	Ongoing	No	NA	NA
KY 1238	Base repairs	Ongoing	No	NA	NA

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 144	Pavement failure issues; drainage problems; sinkhole	Ongoing	No	NA	NA
KY 230	Slide area	Ongoing	No	NA	NA

Grayson County

During the discussion about the Grayson County OMS data analysis results, **one** of the flagged segments was confirmed as a problem area that has been resolved. Section staff confirmed that **five** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. An additional **six** areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 2193 (MP 0.0 – 1.0)	Replaced pipe	Resolved	Yes	\$29,105	\$29,105
KY 185 (MP 0.0 – 5.0)	Patching / resurfacing High water issues identified during meeting	Ongoing	Yes	\$156,958	\$31,392
KY 2067	Contract patching	Ongoing	Yes	\$26,246	\$72,906
KY 54 (MP 3.0 – 4.0) (MP 7.0 – 8.0)	No Shoulder, run-off-road accidents	Ongoing - would like project – possibly HSIP	Yes	\$37,719 \$31,930	\$37,719 \$31,930
KY 259 South (Bear Creek)	Slide area	Ongoing	Yes	\$208,774	\$52,194
US 62	Patching – recurring draining concern	Ongoing	No	NA	NA
KY 920	Continuous guardrail repair	Ongoing	No	NA	NA
KY 878	High water issues	Ongoing	No	NA	NA
KY 920 (at bridge)	Low guardrail / slide	Ongoing	No	NA	NA
KY 88 (two locations)	Bridge end settlement	Ongoing	No	NA	NA
US 62	Drainage issues / patching	Ongoing	No	NA	NA

Breckinridge County

During the discussion about the Breckinridge County OMS data analysis results, no flagged segments were described as being resolved. Section staff confirmed that **eleven** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. An additional **six** areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 144 (MP 1.0 – 4.0)	Slide repair	Ongoing	Yes	\$215,334	\$71,778
KY 144 (MP 9.0 – 10.0)	Slide repair	Ongoing	Yes	\$59,893	\$59,893
KY 629	Curvy road – Macedonia Church	Ongoing	Yes	\$32,180	\$32,180
KY 1616	Inadequate base - recycled shingles	Ongoing	Yes	\$71,262	\$55,630
KY 1073 (MP 0.0 – 5.0)	Narrow shoulders	Ongoing	Yes	\$163,603	\$32,721
KY 1073 (MP 5.0 – 7.861)	Narrow shoulders	Ongoing	Yes	\$108,148	\$37,801
KY 690	Narrow shoulders	Ongoing	Yes	\$90,130	\$18,241
KY 886	Contract patching – Master Agreement	Ongoing	Yes	\$178,792	\$76,146
KY 261 (MP 23.0 – 24.0)	Contract patching – Master Agreement	Ongoing	Yes	\$104,450	\$104,450
KY 333 / KY 690	Intersection sight distance problem	Ongoing	Yes	\$21,717	\$21,717
KY 105	Slide repair	Ongoing	Yes	\$231,832	\$12,637
KY 992	Drainage issues (multiple locations)	Ongoing	No	NA	NA

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 259 / KY 401	Drainage issues – freeze / thaw – pothole patching	Ongoing	No	NA	NA
KY 108	Pothole patching	Ongoing	No	NA	NA
KY 1238	Drainage issues	Ongoing	No	NA	NA
KY 108 / KY 105	Slide repair	Ongoing	No	NA	NA
KY 261 - Dodge Creek	Low water ford – new bridge, alignment	Ongoing	No	NA	NA

Hardin and Hart Counties

District 4 Bridges Conference Room
 Elizabethtown, Kentucky
 May 16, 2018 @ 1:30 P.M. EDT

Hardin County

During the discussion about the Hardin County OMS data analysis results, **seven** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **eight** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. An additional **four** areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
I-65 (MP 101.0 – 103.38)	Addressed by rehab project	Resolved	Yes	\$489,851	\$212,240
KY 2199	Patching / resurfacing	Resolved	Yes	\$18,536	\$54,517
KY 1600	Pipe replacement	Resolved	Yes	\$40,579	\$40,579
KY 1500	Sight distance issue	Resolved	Yes	\$97,203	\$39,258
KY 1357	Pipe replacement	Resolved	Yes	\$78,705	\$78,705
KY 1904	Pavement issues	Resolved	Yes	\$46,825	\$46,825
KY 567	Slide area	Resolved	Yes	\$178,017	\$178,017
31W	Pavement failure (two locations)	Ongoing	Yes	\$15,298	\$15,298
KY 313 at I-65	Differential settlement	Ongoing	Yes	\$109,872	\$109,872
US 31W (Radcliffe McDonald's)	Pavement failure	Ongoing	Yes	\$10,620	\$10,620
I-65 (MP 90.0 – 98.0)	Cable barrier / guardrail	Ongoing	Yes	\$280,221	\$35,028
KY 251	Pavement failure	Ongoing	Yes	\$124,897	\$31,224
KY 434 (US 31W to KY 251)	Base failure – shoulder widening	Ongoing	Yes	\$78,120	\$26,040
US 31W (near Westpoint)	Mainline paving – narrow shoulders	Ongoing	Yes	\$256,810	\$62,272

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
US 31W	Pavement structure upgrade	Ongoing	Yes	\$25,094	\$12,547
KY 313	Slides; 2:1 cut slopes	Ongoing	No	NA	NA
KY 86	Pavement patching; pipe failure	Ongoing	No	NA	NA
KY 361	Shoulders, pavement issues	Ongoing	No	NA	NA
Ring Road	Bridge end stabilization	Ongoing	No	NA	NA

Hart County

During the discussion about the Hart County OMS data analysis results, **nine** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **seven** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. An additional **four** areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 1140	Pipe replacement / resurface	Resolved	Yes	\$263,809	\$52,762
KY 728 (MP 11.0 – 16.0)	Resurfacing project	Resolved	Yes	\$166,934	\$33,387
KY 1015	Slope failure	Resolved	Yes	\$144,376	\$93,812
US 31W (MP 1.0 – 2.0)	Patching	Resolved	Yes	\$41,275	\$41,275
US 31E (MP 0.0 – 2.0; MP 4.0 – 5.0)	Patching	Resolved	Yes	\$93,510 \$42,928	\$46,755 \$42,928
KY 88 (MP 19.0 – 22.0; MP 26.0 – 27.0)	Resurfacing	Resolved	Yes	\$72,734 \$67,989	\$72,734 \$67,989
KY 1573	Sinkhole	Resolved	Yes	\$45,999	\$28,571
US 31E (MP 12.0 – 13.0)	Guardrail	Resolved	Yes	\$110,819	\$110,819
KY 2785	Pipe replacement	Resolved	Yes	\$141,683	\$49,008
KY 88 (MP 0 – 4.0) (MP 4.0 – 5.0) (MP 7.0 – 8.0) (MP 15.0 – 16.0)	Needs shoulder repairs; patching, pavement failures	Ongoing	Yes	\$167,952 \$95,117 \$17,266 \$37,049	\$41,988 \$95,117 \$17,266 \$37,049
KY 88	Rock cut	Ongoing	Yes	\$33,318	\$22,482
KY 218	Asphalt overlay over old concrete and poor subgrade soil	Ongoing	Yes	\$35,300	\$35,300
US 31W	Sinkhole	Ongoing	Yes	\$31,719	\$31,719
KY 2756	Sinkhole	Ongoing	Yes	\$56,724	\$36,199

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 2185	Geometry, drainage	Ongoing	Yes	\$14,775	\$14,775
KY 2786	Pavement base failure	Ongoing	Yes	\$133,672	\$33,418
KY 218 (KY 1141 to KY 1846)	Drainage issues	Ongoing	No	NA	NA
KY 728 (US 31W to KY 357)	Pavement issues	Ongoing	No	NA	NA
KY 1140	Geometry, ditching, etc.	Ongoing	No	NA	NA
US 31W	Pavement concerns (base failures)	Ongoing	No	NA	NA



Larue, Washington, and Nelson Counties

Bardstown Section Office

Bardstown, Kentucky

May 17, 2018 @ 9:30 A.M. EDT

Larue County

During the discussion about the Larue County OMS data analysis results, **four** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **six** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. **One** additional area of concern, which was not flagged by the OMS data, was identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 210	Patching / milling	Resolved	Yes	\$113,661	\$56,831
KY 1906	Slope movement	Resolved	Yes	\$16,244	\$16,244
KY 916	Pipe replacement	Resolved	Yes	\$38,962	\$19,481
KY 583	Pipe replacement	Resolved	Yes	\$27,206	\$27,206
KY 583	Pavement issues – landfill	Ongoing	Yes	\$62,444	\$14,672
KY 84	Alignment – falling rock	Ongoing	Yes	\$105,331	\$28,592
KY 224	Drainage / flooding	Ongoing	Yes	\$15,059	\$15,059
KY 1618	Patching / resurfacing	Ongoing	Yes	\$18,685	\$17,577
US 31E (MP 10.232 – 11.803)	Patching	Ongoing	Yes	\$70,970	\$45,175
US 31E (MP 19.0 – 20.0)	Slide repair	Ongoing	Yes	\$140,025	\$140,025
US 31W & KY 224	Significant recurring pavement failure	Ongoing	No	NA	NA

Washington County

During the discussion about the Washington County OMS data analysis results, **one** of the flagged segments was confirmed as a problem area that has been resolved. Section staff confirmed that **four** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. No additional areas of concern were identified by Section staff.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 433	Slide repair	Resolved	Yes	\$107,639	\$107,639
KY 1754 (MP 0.0 – 3.0) (MP 3.0 – 7.985)	Drainage, alignment, geometry	Ongoing	Yes	\$86,793 \$83,998	\$28,931 \$16,850
KY 1796	Pavement issues	Ongoing	Yes	\$153,492	\$33,281
KY 438	Pipe replacement / patching	Ongoing	Yes	\$51,301	\$40,715
KY 9002	Patching / ditching	Ongoing	Yes	\$72,235	\$15,027

Nelson County

During the discussion about the Nelson County OMS data analysis results, **six** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **five** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. **Two** additional areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
US 31	Reconstructed – maintenance of old road	Resolved	Yes	\$54,771	\$13,144
KY 458	Slide repair	Resolved	Yes	\$48,293	\$48,293
KY 46 MP 6.0 – 6.951)	Patching / resurfacing	Resolved	Yes	\$56,934	\$59,867
KY 46 (MP 7.75 – 11.16)	Patching / resurfacing	Resolved	Yes	\$46,081	\$13,513
KY 247 (MP 2.0 – 3.0)	Slide repair	Resolved	Yes	\$172,828	\$172,828
KY 52	Patching	Resolved	Yes	\$10,956	\$34,345
KY 49 (south of Parkway)	Slide repair / drainage	Ongoing	Yes	\$197,241	\$65,747
KY 84	Geometry, low shoulder, tree cutting	Ongoing	Yes	\$81,481	\$16,296
KY 55	Pavement / geometry	Ongoing	Yes	\$42,018	\$42,018
KY 1754	Geometry / shoulders; Slide repairs have been addressed	Ongoing	Yes	\$102,666	\$71,644
KY 332	Patching, resurfacing, pipe replacement	Ongoing	Yes	\$69,473	\$22,303
KY 247	Pavement issue – heavy truck traffic	Ongoing	No	NA	NA
KY 52 at US 31E	Intersection improvement	Ongoing	No	NA	NA



Green, Taylor, and Marion Counties

Campbellsville Section Office

Campbellsville, Kentucky

May 17, 2018 @ 1:30 P.M. EDT

Green County

During the discussion about the Green County OMS data analysis results, **three** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **three** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. **Four** additional areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 218	Pipe extension / resurfaced	Resolved	Yes	\$170,016	\$17,853
KY 61 (MP 0.0 – 8.194)	Addressed by project	Resolved	Yes	\$147,842	\$18,043
KY 61 (MP 11.0 – 13.0)	Project planned	Being resolved	Yes	\$28,120	\$28,120
KY 569	Shoulders, alignment	Ongoing	Yes	\$24,288	\$45,398
KY 210	Guardrail	Ongoing	Yes	\$80,599	\$107,465
KY 88 (KY 61 to County Line)	Geometry, pavement, no shoulders, slides	Ongoing	Yes	\$314,519	\$28,002
KY 61 at KY 88	Slide, pavement failures	Ongoing	No	NA	NA
KY 487	Slide and utility impacts	Ongoing	No	NA	NA
KY 2765 (Old Salem Road – MP 2.0)	Pavement failure, drainage	Ongoing	No	NA	NA
KY 61 (MP 24.0)	Drainage area	Ongoing	No	NA	NA

Taylor County

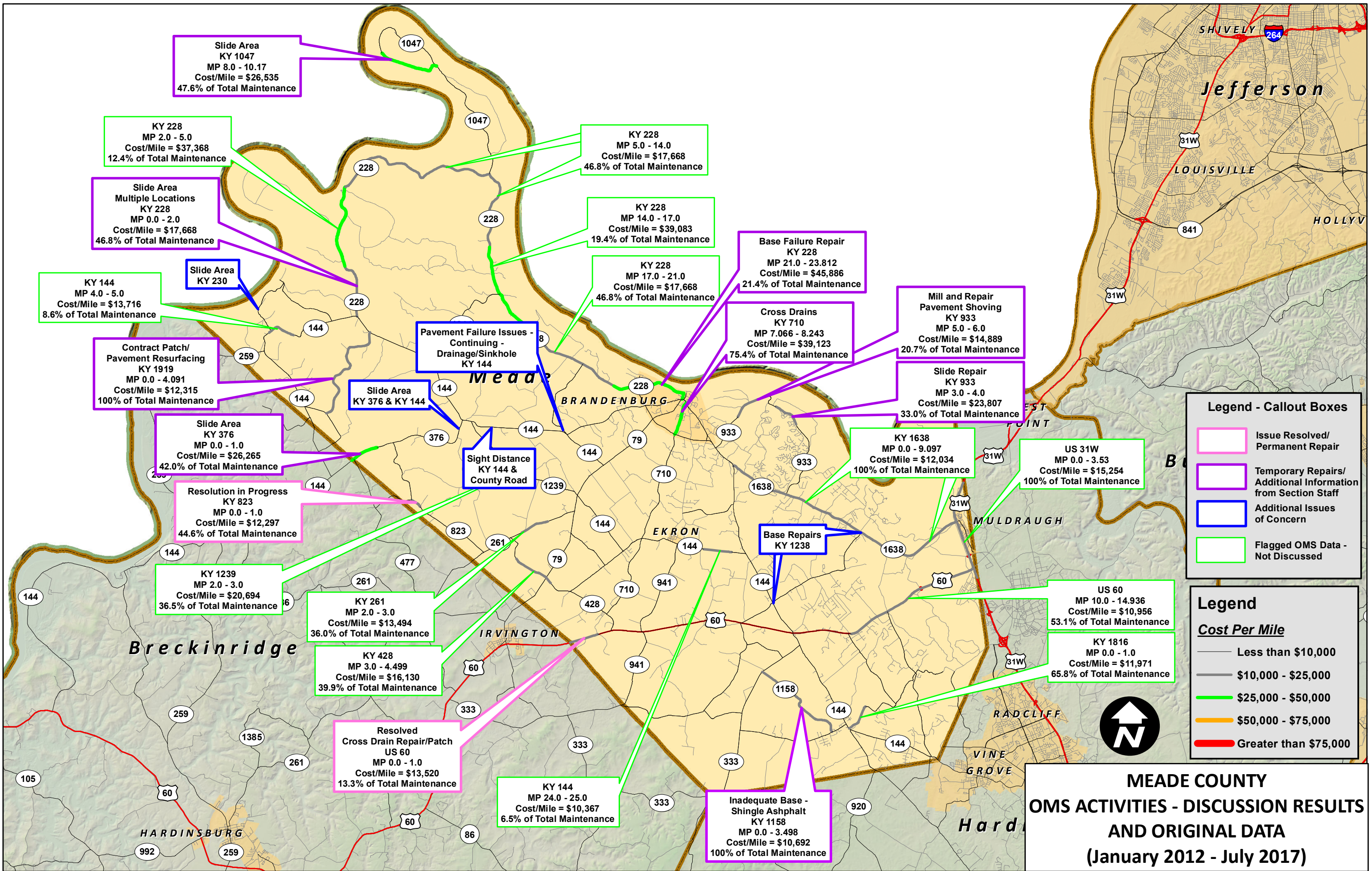
During the discussion about the Taylor County OMS data analysis results, **seven** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **three** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. **Three** additional areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 744 (MP 5.0 – 6.0)	Pipe replacement, base failure, resurfacing	Resolved	Yes	\$33,496	\$33,496
KY 2222	Patching	Resolved	Yes	\$16,218	\$31,308
KY 372	Cross drains, etc.	Resolved	Yes	\$112,049	\$31,941
KY 70	HSIP-Type Project	Resolved	Yes	\$47,380	\$47,380
KY 55	Bridge shoulders / guardrail; will be addressed in 2+1 project	Resolved	Yes	\$34,068	\$30,971
KY 1798	Slope and pavement; will be addressed	Resolved	Yes	\$101,912	\$19,024
KY 3350	No recurring issues	Resolved	Yes	\$19,803	\$31,890
KY 70	Slope failure	Ongoing	Yes	\$84,694	\$21,371
KY 1798	Ditching – will not be addressed with slope	Ongoing	Yes	\$101,912	\$19,024
KY 659	Slides, slope failures, pavement failures	Ongoing	Yes	\$27,628	\$27,628
US 68	Slope / shoulder failure	Ongoing	No	NA	NA
KY 744 (near Mannsville)	Slope failures	Ongoing	No	NA	NA
US 68/KY 55 (Palestine to 5-lane at Campbellsville)	Shoulder upgrade – add turning lanes	Ongoing	No	NA	NA

Marion County

During the discussion about the Marion County OMS data analysis results, **two** of the flagged segments were confirmed as problem areas with resolutions in progress or complete. Section staff confirmed that **three** of the flagged segments were ongoing issues, and they described temporary repairs or provided additional information as noted below and in the attached mapping. **Two** additional areas of concern, which were not flagged by the OMS data, were identified and described by the Section staff as noted below and in the mapping.

Roadway Name	Section Staff Comments	Status of Problem	Reflected in OMS Data?	Total Cost	Cost per Mile
KY 289	Bridge end stabilization	Resolved	Yes	\$41,735	\$20,868
KY 2154	Added pipe base stabilization; added turn lane	Resolved	Yes	\$69,431	\$51,931
KY 49 (south near Bradfordsville)	Slope failures / slides	Ongoing	Yes	\$253,727	\$126,863
KY 52	Shoulders, pavement	Ongoing	Yes	\$96,446	\$20,586
KY 84	Slides, cross drains, base failures; Prepped for resurfacing but needs additional work	Ongoing	Yes	\$123,494	\$24,699
KY 49 (3-4 miles from Casey County line)	Slope failures, slides, drain improvements, geometry	Ongoing	No	NA	NA
US 68	Bridge end stabilization	Ongoing	No	NA	NA



Slide Area
KY 1047
MP 8.0 - 10.17
Cost/Mile = \$26,535
47.6% of Total Maintenance

KY 228
MP 2.0 - 5.0
Cost/Mile = \$37,368
12.4% of Total Maintenance

Slide Area
Multiple Locations
KY 228
MP 0.0 - 2.0
Cost/Mile = \$17,668
46.8% of Total Maintenance

KY 228
MP 5.0 - 14.0
Cost/Mile = \$17,668
46.8% of Total Maintenance

KY 228
MP 14.0 - 17.0
Cost/Mile = \$39,083
19.4% of Total Maintenance

KY 228
MP 17.0 - 21.0
Cost/Mile = \$17,668
46.8% of Total Maintenance

Base Failure Repair
KY 228
MP 21.0 - 23.812
Cost/Mile = \$45,886
21.4% of Total Maintenance

Mill and Repair
Pavement Shoving
KY 933
MP 5.0 - 6.0
Cost/Mile = \$14,889
20.7% of Total Maintenance

Slide Repair
KY 933
MP 3.0 - 4.0
Cost/Mile = \$23,807
33.0% of Total Maintenance

Cross Drains
KY 710
MP 7.066 - 8.243
Cost/Mile = \$39,123
75.4% of Total Maintenance

Slide Area
KY 230

KY 144
MP 4.0 - 5.0
Cost/Mile = \$13,716
8.6% of Total Maintenance

Contract Patch/
Pavement Resurfacing
KY 1919
MP 0.0 - 4.091
Cost/Mile = \$12,315
100% of Total Maintenance

Pavement Failure Issues -
Continuing -
Drainage/Sinkhole
KY 144

Slide Area
KY 376 & KY 144

Slide Area
KY 376
MP 0.0 - 1.0
Cost/Mile = \$26,265
42.0% of Total Maintenance

Sight Distance
KY 144 &
County Road

Resolution in Progress
KY 823
MP 0.0 - 1.0
Cost/Mile = \$12,297
44.6% of Total Maintenance

KY 1638
MP 0.0 - 9.097
Cost/Mile = \$12,034
100% of Total Maintenance

US 31W
MP 0.0 - 3.53
Cost/Mile = \$15,254
100% of Total Maintenance

Base Repairs
KY 1238

KY 1239
MP 2.0 - 3.0
Cost/Mile = \$20,694
36.5% of Total Maintenance

KY 261
MP 2.0 - 3.0
Cost/Mile = \$13,494
36.0% of Total Maintenance

US 60
MP 10.0 - 14.936
Cost/Mile = \$10,956
53.1% of Total Maintenance

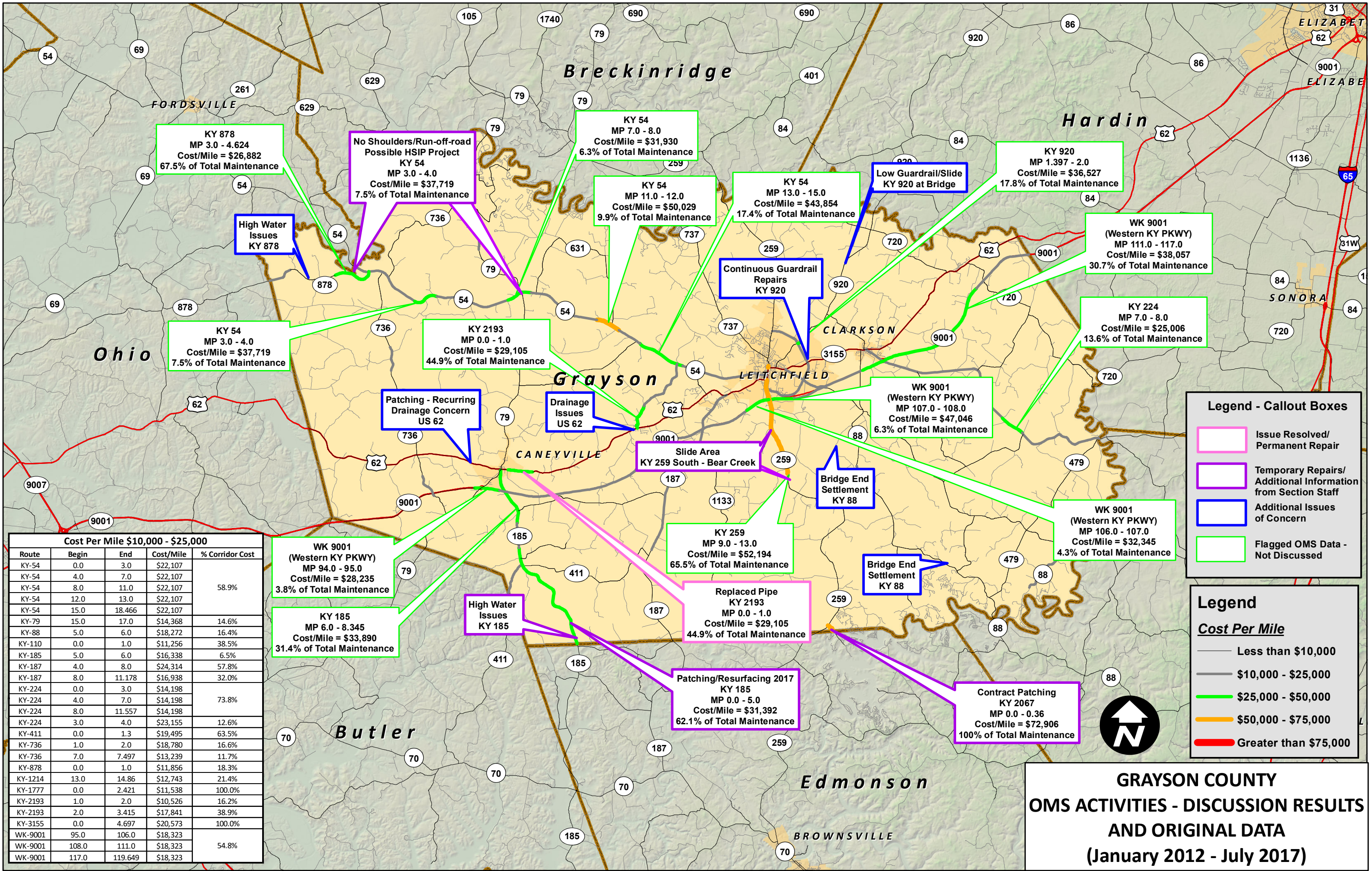
KY 428
MP 3.0 - 4.499
Cost/Mile = \$16,130
39.9% of Total Maintenance

KY 1816
MP 0.0 - 1.0
Cost/Mile = \$11,971
65.8% of Total Maintenance

Resolved
Cross Drain Repair/Patch
US 60
MP 0.0 - 1.0
Cost/Mile = \$13,520
13.3% of Total Maintenance

KY 144
MP 24.0 - 25.0
Cost/Mile = \$10,367
6.5% of Total Maintenance

Inadequate Base -
Shingle Asphalt
KY 1158
MP 0.0 - 3.498
Cost/Mile = \$10,692
100% of Total Maintenance



Cost Per Mile \$10,000 - \$25,000

Route	Begin	End	Cost/Mile	% Corridor Cost
KY-54	0.0	3.0	\$22,107	58.9%
KY-54	4.0	7.0	\$22,107	
KY-54	8.0	11.0	\$22,107	
KY-54	12.0	13.0	\$22,107	
KY-54	15.0	18.466	\$22,107	
KY-79	15.0	17.0	\$14,368	14.6%
KY-88	5.0	6.0	\$18,272	16.4%
KY-110	0.0	1.0	\$11,256	38.5%
KY-185	5.0	6.0	\$16,338	6.5%
KY-187	4.0	8.0	\$24,314	57.8%
KY-187	8.0	11.178	\$16,938	32.0%
KY-224	0.0	3.0	\$14,198	73.8%
KY-224	4.0	7.0	\$14,198	
KY-224	8.0	11.557	\$14,198	
KY-224	3.0	4.0	\$23,155	12.6%
KY-411	0.0	1.3	\$19,495	63.5%
KY-736	1.0	2.0	\$18,780	16.6%
KY-736	7.0	7.497	\$13,239	11.7%
KY-878	0.0	1.0	\$11,856	18.3%
KY-1214	13.0	14.86	\$12,743	21.4%
KY-1777	0.0	2.421	\$11,538	100.0%
KY-2193	1.0	2.0	\$10,526	16.2%
KY-2193	2.0	3.415	\$17,841	38.9%
KY-3155	0.0	4.697	\$20,573	100.0%
WK-9001	95.0	106.0	\$18,323	54.8%
WK-9001	108.0	111.0	\$18,323	
WK-9001	117.0	119.649	\$18,323	

Legend - Callout Boxes

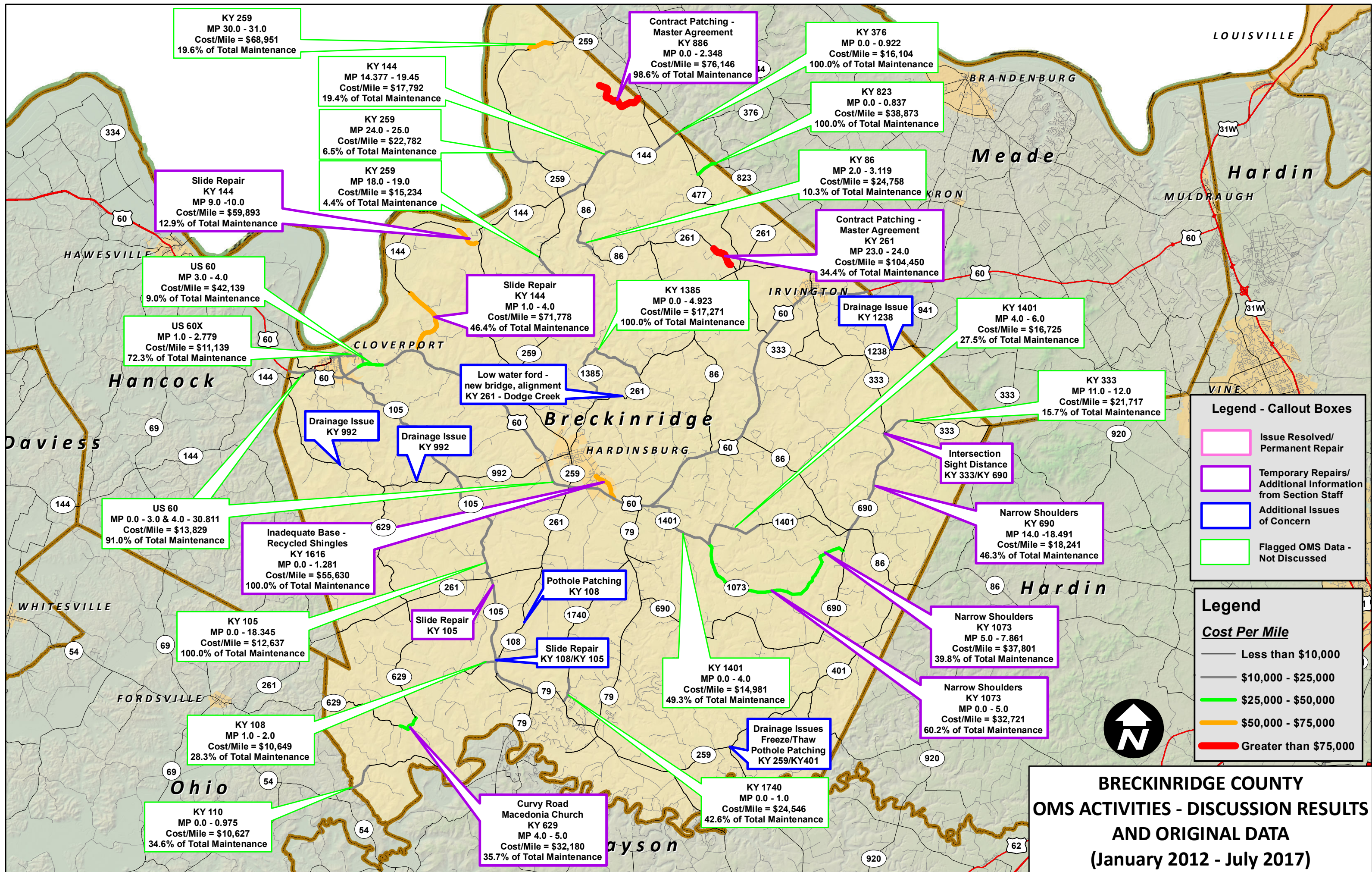
- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000

**GRAYSON COUNTY
OMS ACTIVITIES - DISCUSSION RESULTS
AND ORIGINAL DATA
(January 2012 - July 2017)**



KY 259
MP 30.0 - 31.0
Cost/Mile = \$68,951
19.6% of Total Maintenance

KY 144
MP 14.377 - 19.45
Cost/Mile = \$17,792
19.4% of Total Maintenance

KY 259
MP 24.0 - 25.0
Cost/Mile = \$22,782
6.5% of Total Maintenance

KY 259
MP 18.0 - 19.0
Cost/Mile = \$15,234
4.4% of Total Maintenance

Contract Patching -
Master Agreement
KY 886
MP 0.0 - 2.348
Cost/Mile = \$76,146
98.6% of Total Maintenance

KY 376
MP 0.0 - 0.922
Cost/Mile = \$16,104
100.0% of Total Maintenance

KY 823
MP 0.0 - 0.837
Cost/Mile = \$38,873
100.0% of Total Maintenance

KY 86
MP 2.0 - 3.119
Cost/Mile = \$24,758
10.3% of Total Maintenance

Contract Patching -
Master Agreement
KY 261
MP 23.0 - 24.0
Cost/Mile = \$104,450
34.4% of Total Maintenance

Slide Repair
KY 144
MP 9.0 - 10.0
Cost/Mile = \$59,893
12.9% of Total Maintenance

US 60
MP 3.0 - 4.0
Cost/Mile = \$42,139
9.0% of Total Maintenance

US 60X
MP 1.0 - 2.779
Cost/Mile = \$11,139
72.3% of Total Maintenance

Slide Repair
KY 144
MP 1.0 - 4.0
Cost/Mile = \$71,778
46.4% of Total Maintenance

KY 1385
MP 0.0 - 4.923
Cost/Mile = \$17,271
100.0% of Total Maintenance

Drainage Issue
KY 1238

KY 1401
MP 4.0 - 6.0
Cost/Mile = \$16,725
27.5% of Total Maintenance

KY 333
MP 11.0 - 12.0
Cost/Mile = \$21,717
15.7% of Total Maintenance

Low water ford -
new bridge, alignment
KY 261 - Dodge Creek

Drainage Issue
KY 992

Drainage Issue
KY 992

Intersection
Sight Distance
KY 333/KY 690

Narrow Shoulders
KY 690
MP 14.0 - 18.491
Cost/Mile = \$18,241
46.3% of Total Maintenance

US 60
MP 0.0 - 3.0 & 4.0 - 30.811
Cost/Mile = \$13,829
91.0% of Total Maintenance

Inadequate Base -
Recycled Shingles
KY 1616
MP 0.0 - 1.281
Cost/Mile = \$55,630
100.0% of Total Maintenance

Pothole Patching
KY 108

Slide Repair
KY 105

Slide Repair
KY 108/KY 105

KY 1401
MP 0.0 - 4.0
Cost/Mile = \$14,981
49.3% of Total Maintenance

Narrow Shoulders
KY 1073
MP 5.0 - 7.861
Cost/Mile = \$37,801
39.8% of Total Maintenance

Narrow Shoulders
KY 1073
MP 0.0 - 5.0
Cost/Mile = \$32,721
60.2% of Total Maintenance

KY 105
MP 0.0 - 18.345
Cost/Mile = \$12,637
100.0% of Total Maintenance

KY 108
MP 1.0 - 2.0
Cost/Mile = \$10,649
28.3% of Total Maintenance

Drainage Issues
Freeze/Thaw
Pothole Patching
KY 259/KY401

KY 110
MP 0.0 - 0.975
Cost/Mile = \$10,627
34.6% of Total Maintenance

Curvy Road
Macedonia Church
KY 629
MP 4.0 - 5.0
Cost/Mile = \$32,180
35.7% of Total Maintenance

KY 1740
MP 0.0 - 1.0
Cost/Mile = \$24,546
42.6% of Total Maintenance

Legend - Callout Boxes

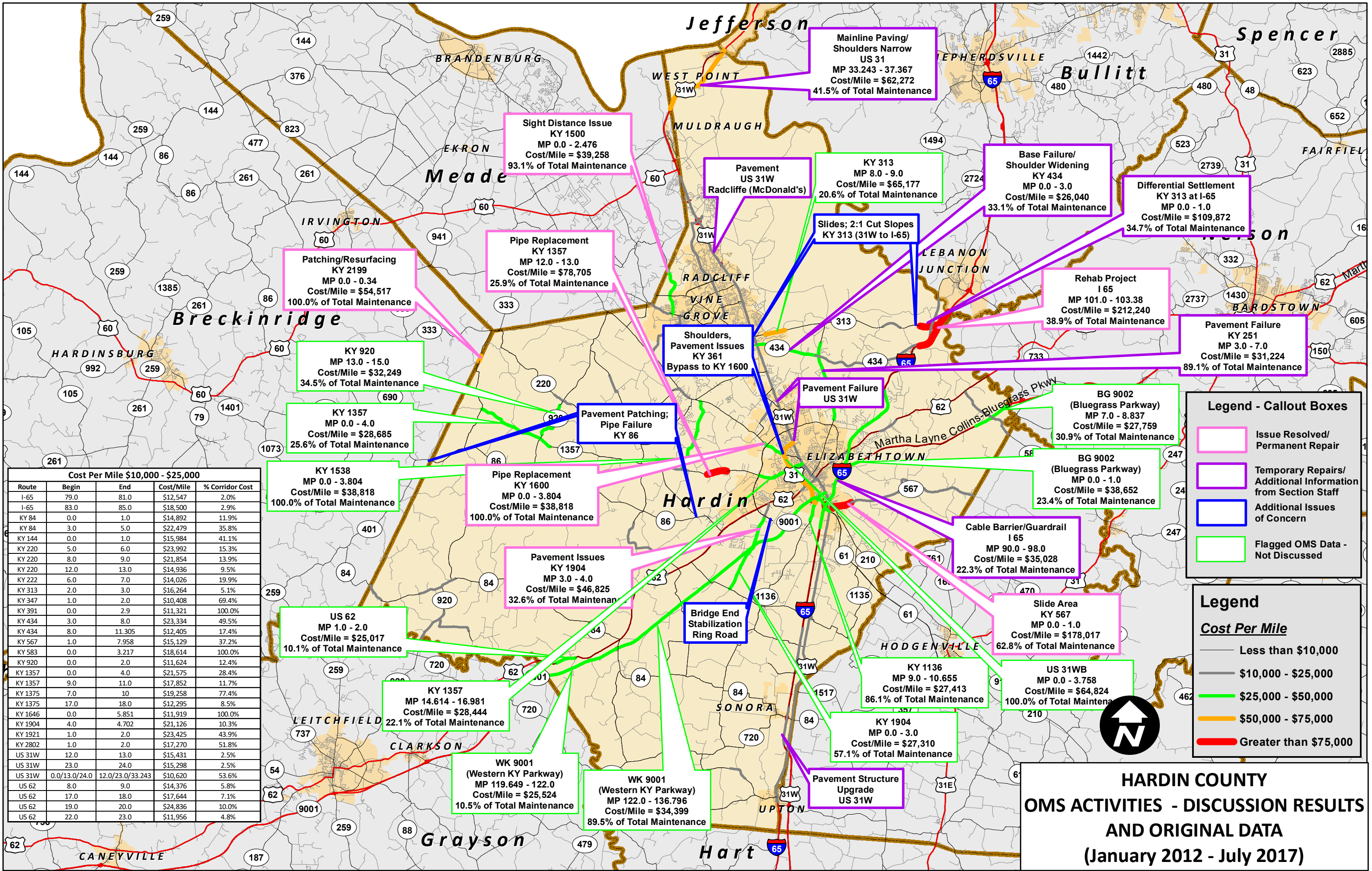
- Issue Resolved/ Permanent Repair
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- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000





Cost Per Mile \$10,000 - \$25,000				
Route	Begin	End	Cost/Mile	% Corridor Cost
I-65	79.0	81.0	\$12,547	2.0%
I-65	83.0	85.0	\$18,500	2.9%
KY 84	0.0	1.0	\$14,892	11.9%
KY 84	3.0	5.0	\$22,479	35.8%
KY 144	0.0	1.0	\$15,984	41.1%
KY 220	5.0	6.0	\$23,992	15.3%
KY 220	8.0	9.0	\$21,854	13.9%
KY 220	12.0	13.0	\$14,936	9.5%
KY 222	6.0	7.0	\$14,026	19.9%
KY 313	2.0	3.0	\$16,264	5.1%
KY 347	1.0	2.0	\$10,408	69.4%
KY 391	0.0	2.9	\$11,321	100.0%
KY 434	3.0	8.0	\$23,334	49.5%
KY 434	8.0	11.305	\$12,405	17.4%
KY 567	1.0	7.958	\$15,129	37.2%
KY 583	0.0	3.217	\$18,614	100.0%
KY 920	0.0	2.0	\$11,624	12.4%
KY 1357	0.0	4.0	\$21,575	28.4%
KY 1357	9.0	11.0	\$17,852	11.7%
KY 1375	7.0	10	\$19,258	77.4%
KY 1375	17.0	18.0	\$12,295	8.5%
KY 1646	0.0	5.851	\$11,919	100.0%
KY 1904	4.0	4.702	\$21,126	10.3%
KY 1921	1.0	2.0	\$23,425	43.9%
KY 2802	1.0	2.0	\$17,270	51.8%
US 31W	12.0	13.0	\$15,431	2.5%
US 31W	23.0	24.0	\$15,298	2.5%
US 31WB	0.0/13.0/24.0	12.0/23.0/33.243	\$10,620	53.6%
US 62	8.0	9.0	\$14,376	5.8%
US 62	17.0	18.0	\$17,644	7.1%
US 62	19.0	20.0	\$24,836	10.0%
US 62	22.0	23.0	\$11,956	4.8%

Legend - Callout Boxes

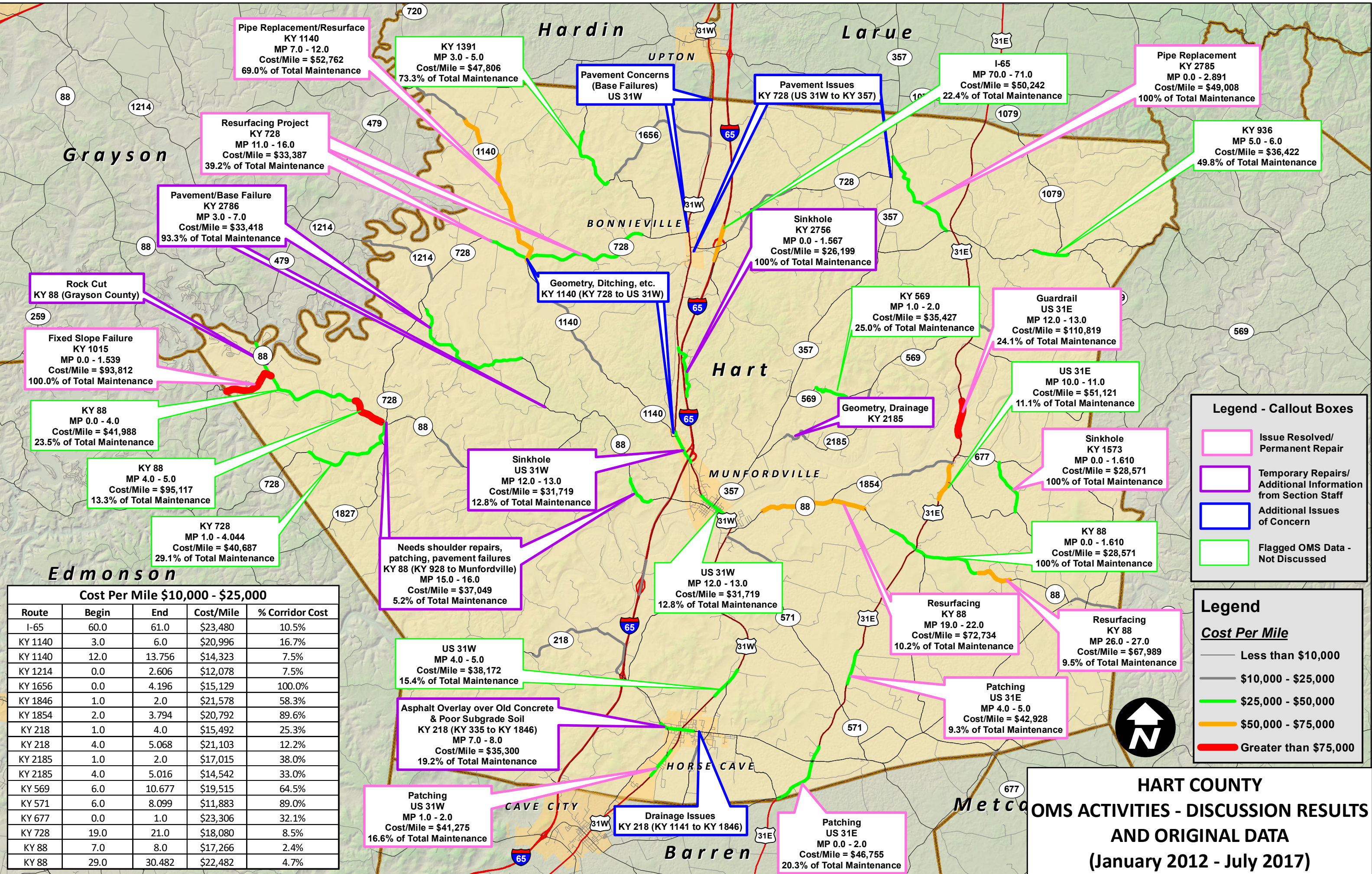
- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000

**HARDIN COUNTY
OMS ACTIVITIES - DISCUSSION RESULTS
AND ORIGINAL DATA
(January 2012 - July 2017)**



Legend - Callout Boxes

- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

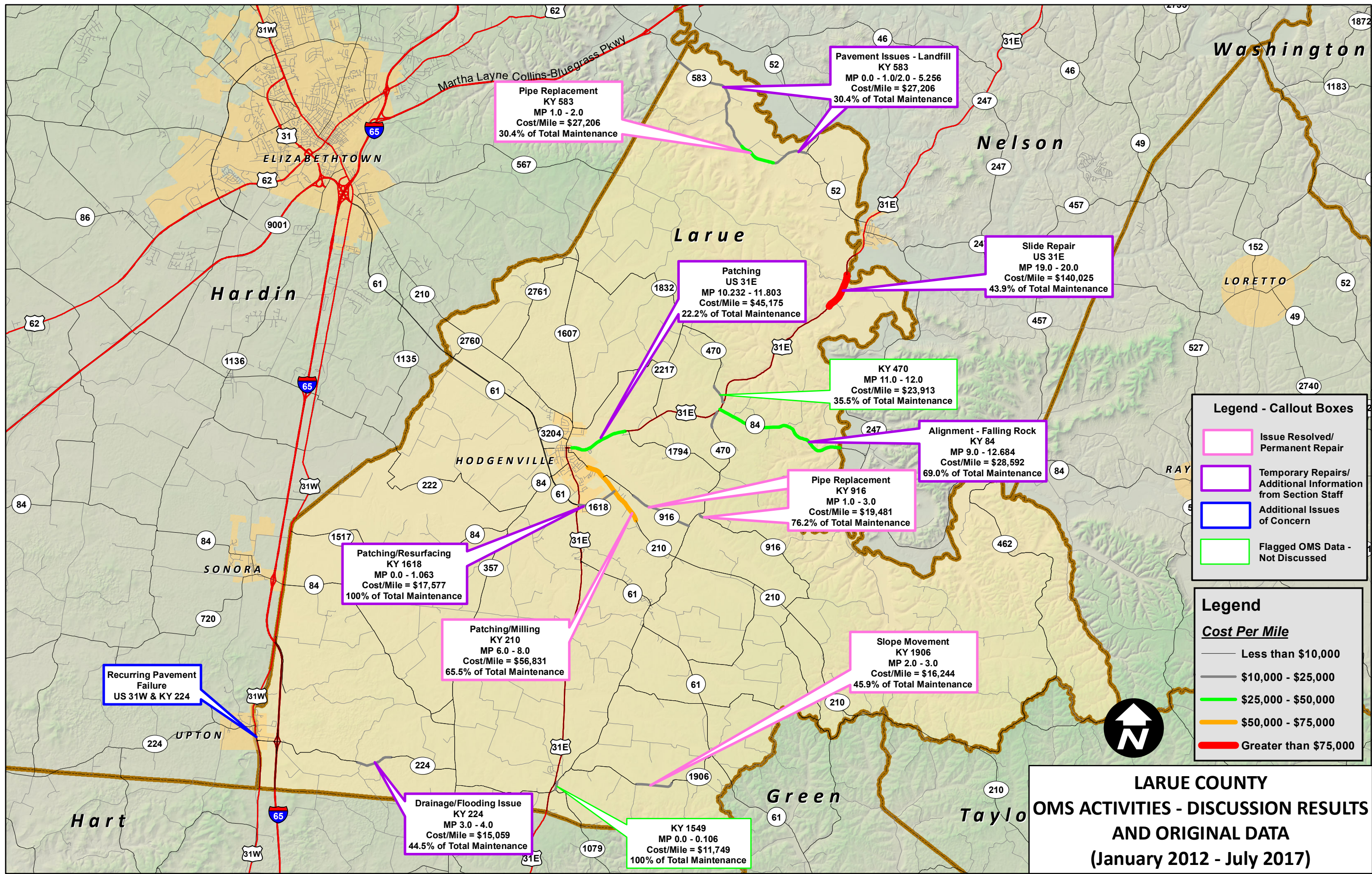
Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000

Cost Per Mile \$10,000 - \$25,000

Route	Begin	End	Cost/Mile	% Corridor Cost
I-65	60.0	61.0	\$23,480	10.5%
KY 1140	3.0	6.0	\$20,996	16.7%
KY 1140	12.0	13.756	\$14,323	7.5%
KY 1214	0.0	2.606	\$12,078	7.5%
KY 1656	0.0	4.196	\$15,129	100.0%
KY 1846	1.0	2.0	\$21,578	58.3%
KY 1854	2.0	3.794	\$20,792	89.6%
KY 218	1.0	4.0	\$15,492	25.3%
KY 218	4.0	5.068	\$21,103	12.2%
KY 2185	1.0	2.0	\$17,015	38.0%
KY 2185	4.0	5.016	\$14,542	33.0%
KY 569	6.0	10.677	\$19,515	64.5%
KY 571	6.0	8.099	\$11,883	89.0%
KY 677	0.0	1.0	\$23,306	32.1%
KY 728	19.0	21.0	\$18,080	8.5%
KY 88	7.0	8.0	\$17,266	2.4%
KY 88	29.0	30.482	\$22,482	4.7%

**HART COUNTY
OMS ACTIVITIES - DISCUSSION RESULTS
AND ORIGINAL DATA
(January 2012 - July 2017)**



Pipe Replacement
KY 583
MP 1.0 - 2.0
Cost/Mile = \$27,206
30.4% of Total Maintenance

Pavement Issues - Landfill
KY 583
MP 0.0 - 1.0/2.0 - 5.256
Cost/Mile = \$27,206
30.4% of Total Maintenance

Patching
US 31E
MP 10.232 - 11.803
Cost/Mile = \$45,175
22.2% of Total Maintenance

Slide Repair
US 31E
MP 19.0 - 20.0
Cost/Mile = \$140,025
43.9% of Total Maintenance

KY 470
MP 11.0 - 12.0
Cost/Mile = \$23,913
35.5% of Total Maintenance

Alignment - Falling Rock
KY 84
MP 9.0 - 12.684
Cost/Mile = \$28,592
69.0% of Total Maintenance

Pipe Replacement
KY 916
MP 1.0 - 3.0
Cost/Mile = \$19,481
76.2% of Total Maintenance

Patching/Resurfacing
KY 1618
MP 0.0 - 1.063
Cost/Mile = \$17,577
100% of Total Maintenance

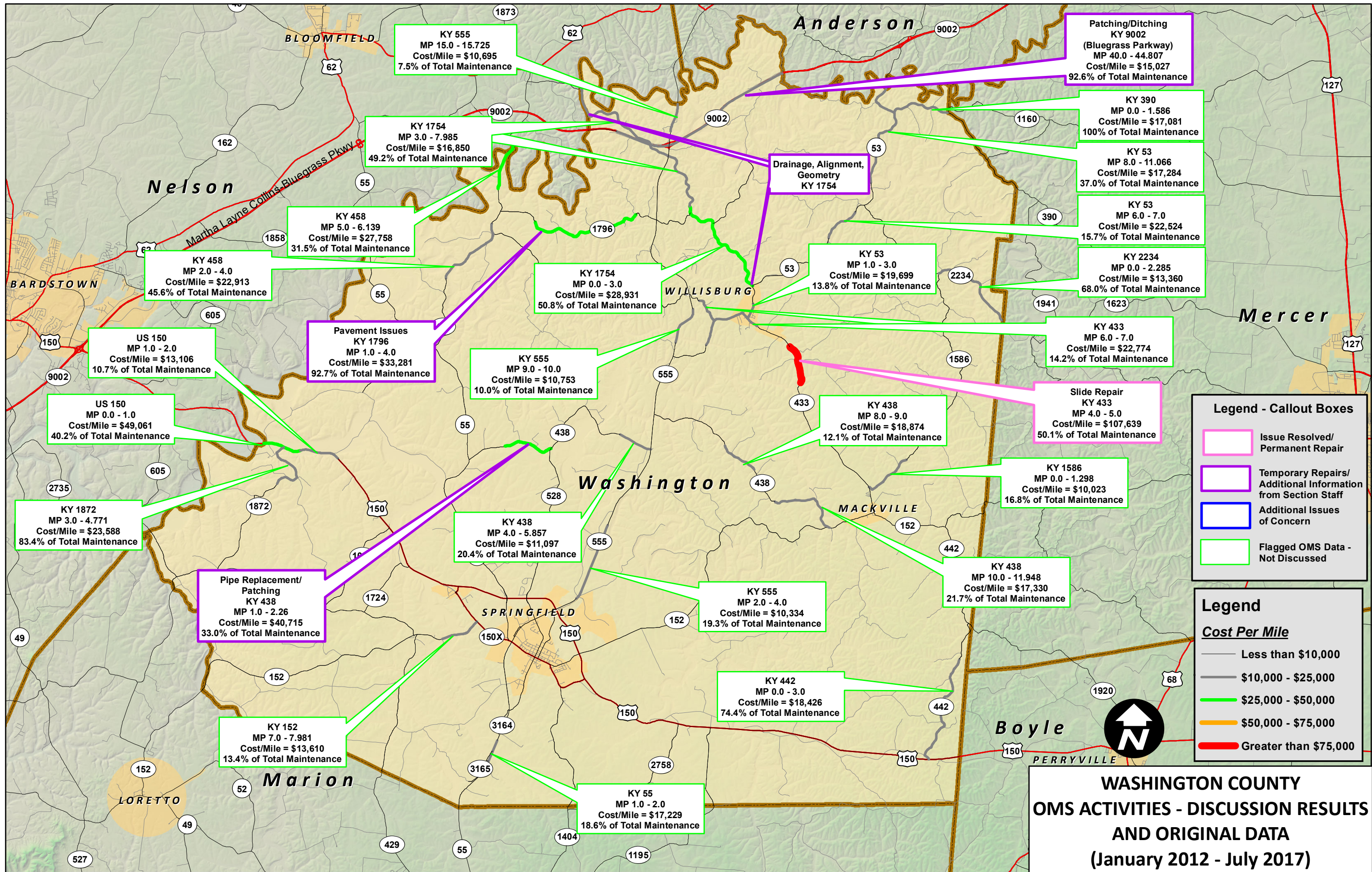
Patching/Milling
KY 210
MP 6.0 - 8.0
Cost/Mile = \$56,831
65.5% of Total Maintenance

Slope Movement
KY 1906
MP 2.0 - 3.0
Cost/Mile = \$16,244
45.9% of Total Maintenance

Recurring Pavement
Failure
US 31W & KY 224

Drainage/Flooding Issue
KY 224
MP 3.0 - 4.0
Cost/Mile = \$15,059
44.5% of Total Maintenance

KY 1549
MP 0.0 - 0.106
Cost/Mile = \$11,749
100% of Total Maintenance



KY 555
 MP 15.0 - 15.725
 Cost/Mile = \$10,695
 7.5% of Total Maintenance

**Patching/Ditching
 KY 9002**
 (Bluegrass Parkway)
 MP 40.0 - 44.807
 Cost/Mile = \$15,027
 92.6% of Total Maintenance

KY 1754
 MP 3.0 - 7.985
 Cost/Mile = \$16,850
 49.2% of Total Maintenance

KY 390
 MP 0.0 - 1.586
 Cost/Mile = \$17,081
 100% of Total Maintenance

**Drainage, Alignment,
 Geometry
 KY 1754**

KY 53
 MP 8.0 - 11.066
 Cost/Mile = \$17,284
 37.0% of Total Maintenance

KY 458
 MP 5.0 - 6.139
 Cost/Mile = \$27,758
 31.5% of Total Maintenance

KY 53
 MP 6.0 - 7.0
 Cost/Mile = \$22,524
 15.7% of Total Maintenance

KY 458
 MP 2.0 - 4.0
 Cost/Mile = \$22,913
 45.6% of Total Maintenance

KY 1754
 MP 0.0 - 3.0
 Cost/Mile = \$28,931
 50.8% of Total Maintenance

KY 53
 MP 1.0 - 3.0
 Cost/Mile = \$19,699
 13.8% of Total Maintenance

KY 2234
 MP 0.0 - 2.285
 Cost/Mile = \$13,360
 68.0% of Total Maintenance

US 150
 MP 1.0 - 2.0
 Cost/Mile = \$13,106
 10.7% of Total Maintenance

**Pavement Issues
 KY 1796**
 MP 1.0 - 4.0
 Cost/Mile = \$33,281
 92.7% of Total Maintenance

KY 555
 MP 9.0 - 10.0
 Cost/Mile = \$10,753
 10.0% of Total Maintenance

KY 433
 MP 6.0 - 7.0
 Cost/Mile = \$22,774
 14.2% of Total Maintenance

US 150
 MP 0.0 - 1.0
 Cost/Mile = \$49,061
 40.2% of Total Maintenance

KY 438
 MP 8.0 - 9.0
 Cost/Mile = \$18,874
 12.1% of Total Maintenance

**Slide Repair
 KY 433**
 MP 4.0 - 5.0
 Cost/Mile = \$107,639
 50.1% of Total Maintenance

KY 1872
 MP 3.0 - 4.771
 Cost/Mile = \$23,588
 83.4% of Total Maintenance

KY 438
 MP 4.0 - 5.857
 Cost/Mile = \$11,097
 20.4% of Total Maintenance

KY 1586
 MP 0.0 - 1.298
 Cost/Mile = \$10,023
 16.8% of Total Maintenance

**Pipe Replacement/
 Patching
 KY 438**
 MP 1.0 - 2.26
 Cost/Mile = \$40,715
 33.0% of Total Maintenance

KY 555
 MP 2.0 - 4.0
 Cost/Mile = \$10,334
 19.3% of Total Maintenance

KY 438
 MP 10.0 - 11.948
 Cost/Mile = \$17,330
 21.7% of Total Maintenance

KY 152
 MP 7.0 - 7.981
 Cost/Mile = \$13,610
 13.4% of Total Maintenance

KY 442
 MP 0.0 - 3.0
 Cost/Mile = \$18,426
 74.4% of Total Maintenance

KY 55
 MP 1.0 - 2.0
 Cost/Mile = \$17,229
 18.6% of Total Maintenance

Legend - Callout Boxes

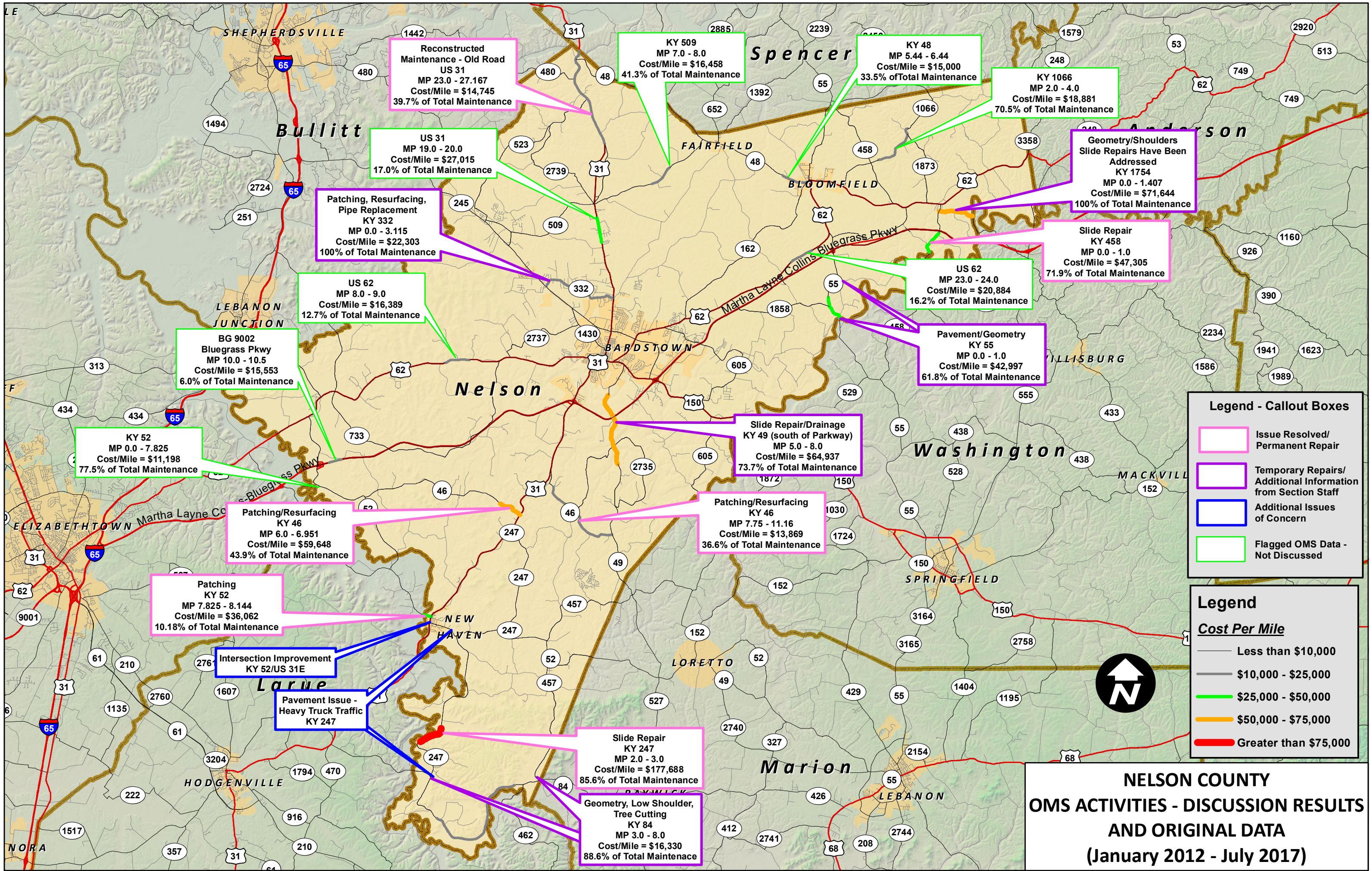
- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000

**WASHINGTON COUNTY
 OMS ACTIVITIES - DISCUSSION RESULTS
 AND ORIGINAL DATA
 (January 2012 - July 2017)**



Reconstructed Maintenance - Old Road US 31
 MP 23.0 - 27.167
 Cost/Mile = \$14,745
 39.7% of Total Maintenance

KY 509
 MP 7.0 - 8.0
 Cost/Mile = \$16,458
 41.3% of Total Maintenance

KY 48
 MP 5.44 - 6.44
 Cost/Mile = \$15,000
 33.5% of Total Maintenance

KY 1066
 MP 2.0 - 4.0
 Cost/Mile = \$18,881
 70.5% of Total Maintenance

Geometry/Shoulders Slide Repairs Have Been Addressed KY 1754
 MP 0.0 - 1.407
 Cost/Mile = \$71,644
 100% of Total Maintenance

US 31
 MP 19.0 - 20.0
 Cost/Mile = \$27,015
 17.0% of Total Maintenance

Patching, Resurfacing, Pipe Replacement KY 332
 MP 0.0 - 3.115
 Cost/Mile = \$22,303
 100% of Total Maintenance

US 62
 MP 8.0 - 9.0
 Cost/Mile = \$16,389
 12.7% of Total Maintenance

BG 9002 Bluegrass Pkwy
 MP 10.0 - 10.5
 Cost/Mile = \$15,553
 6.0% of Total Maintenance

KY 52
 MP 0.0 - 7.825
 Cost/Mile = \$11,198
 77.5% of Total Maintenance

Slide Repair/Drainage KY 49 (south of Parkway)
 MP 5.0 - 8.0
 Cost/Mile = \$64,937
 73.7% of Total Maintenance

Pavement/Geometry KY 55
 MP 0.0 - 1.0
 Cost/Mile = \$42,997
 61.8% of Total Maintenance

Patching/Resurfacing KY 46
 MP 6.0 - 6.951
 Cost/Mile = \$59,648
 43.9% of Total Maintenance

Patching/Resurfacing KY 46
 MP 7.75 - 11.16
 Cost/Mile = \$13,869
 36.6% of Total Maintenance

Patching KY 52
 MP 7.825 - 8.144
 Cost/Mile = \$36,062
 10.18% of Total Maintenance

Intersection Improvement KY 52/US 31E

Pavement Issue - Heavy Truck Traffic KY 247

Slide Repair KY 247
 MP 2.0 - 3.0
 Cost/Mile = \$177,688
 85.6% of Total Maintenance

Geometry, Low Shoulder, Tree Cutting KY 84
 MP 3.0 - 8.0
 Cost/Mile = \$16,330
 88.6% of Total Maintenance

Legend - Callout Boxes

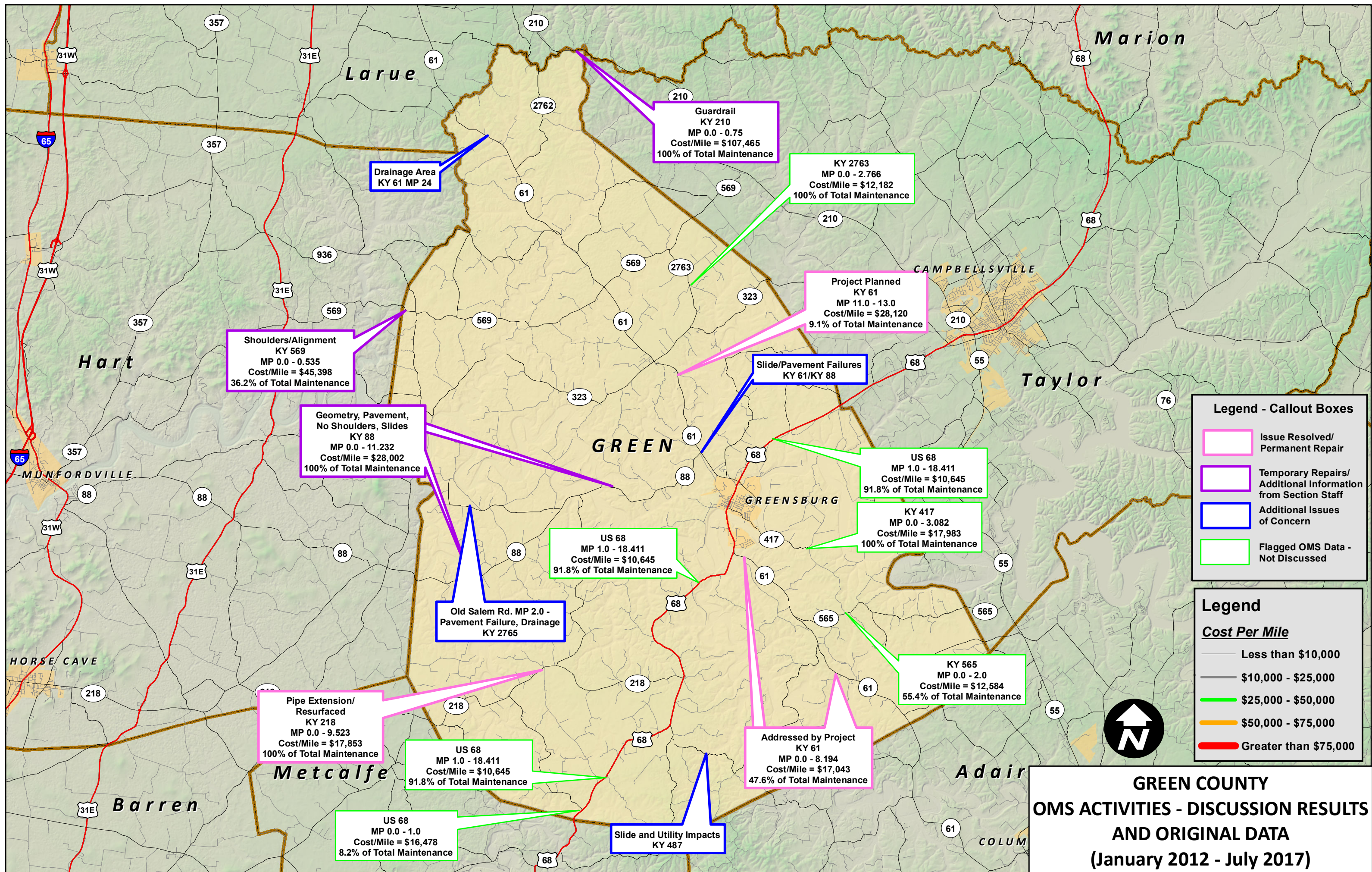
- Issue Resolved/Permanent Repair
- Temporary Repairs/Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000

**NELSON COUNTY
 OMS ACTIVITIES - DISCUSSION RESULTS
 AND ORIGINAL DATA
 (January 2012 - July 2017)**



Legend - Callout Boxes

- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

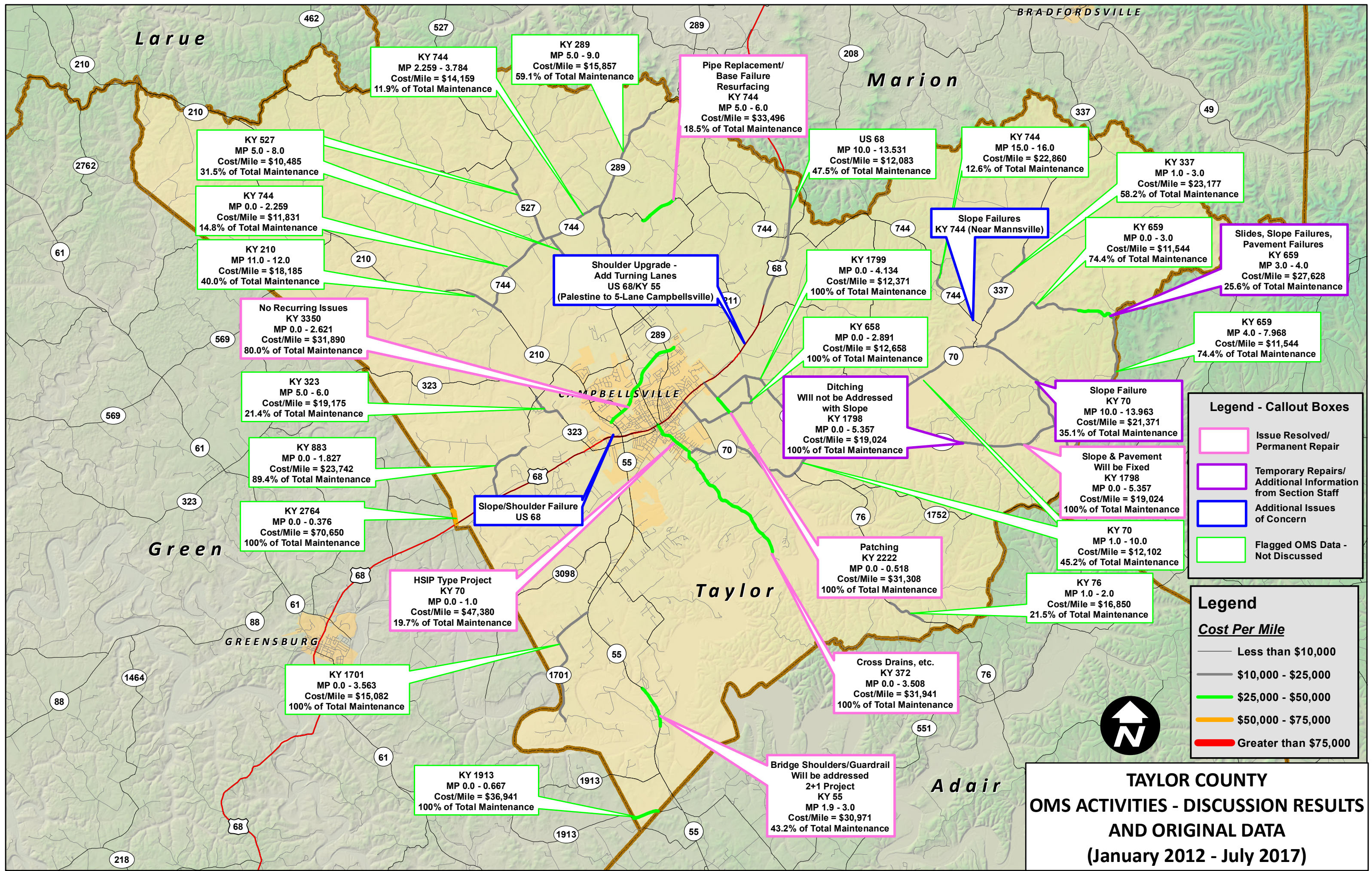
Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000



**GREEN COUNTY
OMS ACTIVITIES - DISCUSSION RESULTS
AND ORIGINAL DATA
(January 2012 - July 2017)**



KY 527
MP 5.0 - 8.0
Cost/Mile = \$10,485
31.5% of Total Maintenance

KY 744
MP 0.0 - 2.259
Cost/Mile = \$11,831
14.8% of Total Maintenance

KY 210
MP 11.0 - 12.0
Cost/Mile = \$18,185
40.0% of Total Maintenance

No Recurring Issues
KY 3350
MP 0.0 - 2.621
Cost/Mile = \$31,890
80.0% of Total Maintenance

KY 323
MP 5.0 - 6.0
Cost/Mile = \$19,175
21.4% of Total Maintenance

KY 883
MP 0.0 - 1.827
Cost/Mile = \$23,742
89.4% of Total Maintenance

KY 2764
MP 0.0 - 0.376
Cost/Mile = \$70,650
100% of Total Maintenance

KY 1701
MP 0.0 - 3.563
Cost/Mile = \$15,082
100% of Total Maintenance

KY 1913
MP 0.0 - 0.667
Cost/Mile = \$36,941
100% of Total Maintenance

KY 744
MP 2.259 - 3.784
Cost/Mile = \$14,159
11.9% of Total Maintenance

KY 289
MP 5.0 - 9.0
Cost/Mile = \$15,857
59.1% of Total Maintenance

Shoulder Upgrade -
Add Turning Lanes
US 68/KY 55
(Palestine to 5-Lane Campbellsville)

Slope/Shoulder Failure
US 68

HSIP Type Project
KY 70
MP 0.0 - 1.0
Cost/Mile = \$47,380
19.7% of Total Maintenance

Pipe Replacement/
Base Failure
Resurfacing
KY 744
MP 5.0 - 6.0
Cost/Mile = \$33,496
18.5% of Total Maintenance

US 68
MP 10.0 - 13.531
Cost/Mile = \$12,083
47.5% of Total Maintenance

KY 1799
MP 0.0 - 4.134
Cost/Mile = \$12,371
100% of Total Maintenance

KY 658
MP 0.0 - 2.891
Cost/Mile = \$12,658
100% of Total Maintenance

Ditching
Will not be Addressed
with Slope
KY 1798
MP 0.0 - 5.357
Cost/Mile = \$19,024
100% of Total Maintenance

Patching
KY 2222
MP 0.0 - 0.518
Cost/Mile = \$31,308
100% of Total Maintenance

Cross Drains, etc.
KY 372
MP 0.0 - 3.508
Cost/Mile = \$31,941
100% of Total Maintenance

Bridge Shoulders/Guardrail
Will be addressed
2+1 Project
KY 55
MP 1.9 - 3.0
Cost/Mile = \$30,971
43.2% of Total Maintenance

KY 744
MP 15.0 - 16.0
Cost/Mile = \$22,860
12.6% of Total Maintenance

Slope Failures
KY 744 (Near Mannsville)

KY 337
MP 1.0 - 3.0
Cost/Mile = \$23,177
58.2% of Total Maintenance

KY 659
MP 0.0 - 3.0
Cost/Mile = \$11,544
74.4% of Total Maintenance

Slides, Slope Failures,
Pavement Failures
KY 659
MP 3.0 - 4.0
Cost/Mile = \$27,628
25.6% of Total Maintenance

KY 659
MP 4.0 - 7.968
Cost/Mile = \$11,544
74.4% of Total Maintenance

Slope Failure
KY 70
MP 10.0 - 13.963
Cost/Mile = \$21,371
35.1% of Total Maintenance

Slope & Pavement
Will be Fixed
KY 1798
MP 0.0 - 5.357
Cost/Mile = \$19,024
100% of Total Maintenance

KY 70
MP 1.0 - 10.0
Cost/Mile = \$12,102
45.2% of Total Maintenance

KY 76
MP 1.0 - 2.0
Cost/Mile = \$16,850
21.5% of Total Maintenance

Legend - Callout Boxes

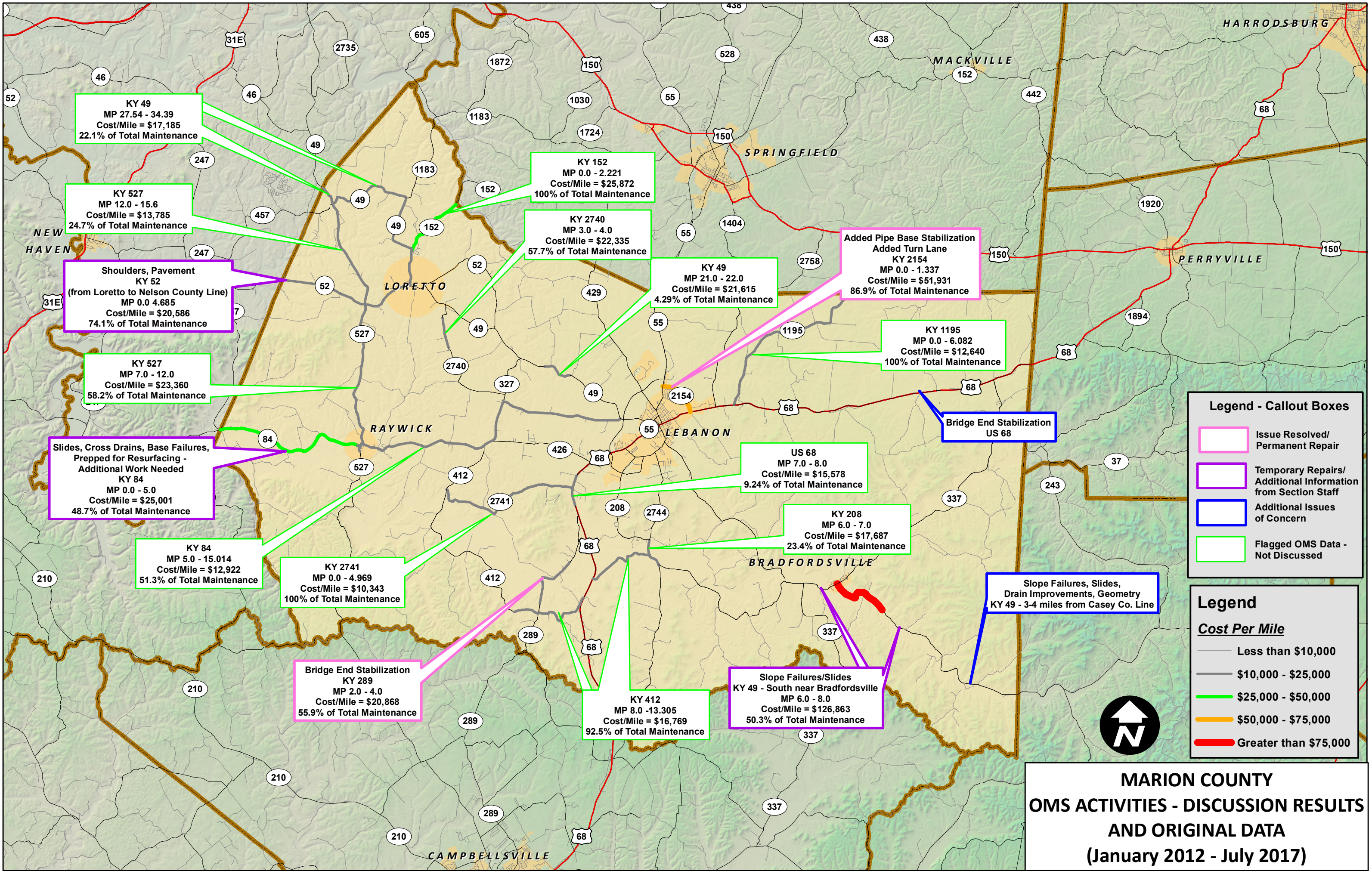
- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000

TAYLOR COUNTY
OMS ACTIVITIES - DISCUSSION RESULTS
AND ORIGINAL DATA
(January 2012 - July 2017)



Legend - Callout Boxes

- Issue Resolved/ Permanent Repair
- Temporary Repairs/ Additional Information from Section Staff
- Additional Issues of Concern
- Flagged OMS Data - Not Discussed

Legend

Cost Per Mile

- Less than \$10,000
- \$10,000 - \$25,000
- \$25,000 - \$50,000
- \$50,000 - \$75,000
- Greater than \$75,000



**MARION COUNTY
OMS ACTIVITIES - DISCUSSION RESULTS
AND ORIGINAL DATA
(January 2012 - July 2017)**