

PUBLIC WORKS AND CAPITAL PROJECTS COMMITTEE

OF THE

DUTCHESS COUNTY LEGISLATURE

Thursday, April 4, 2019

Committee Chair Miccio called the committee to order at 5:50 p.m.

PRESENT: 11 AMPARO, BLACK, BRENDLI, BOLNER, METZGER,
MICCIO, MUNN, PULVER, SAGLIANO, SURMAN, and
ZERNIKE

ABSENT: 1 INCORONATO

PRESENT/LATE: 0

QUORUM PRESENT

Committee Chair Miccio entertained a motion from the floor, which was seconded and carried, to allow the public to address the Committee on agenda items.

No one wishing to speak, Committee Chair Miccio entertained a motion from the floor, which was seconded and carried, and the regular order of business was resumed.

2019099 AUTHORIZATION TO ACQUIRE A PERMANENT EASEMENT FROM JUNIOR ALBERTO MOLINA, IN CONNECTION WITH THE IMPROVEMENTS TO BEEKMAN ROAD (CR 9) IN THE TOWNS OF EAST FISHKILL AND BEEKMAN (PIN 8755.38)

On motion by Assistant Majority Leader Bolner, duly seconded by Chairman Pulver, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019100 AUTHORIZING CONDEMNATION PROCEEDING FOR ACQUISITION OF REAL PROPERTY FROM MICHAEL E. WATERBURY AND DIANA M. MOLLELA IN CONNECTION WITH THE PROJECT KNOWN AS BEEKMAN ROAD (CR 9) IMPROVEMENTS, IN THE TOWNS OF EAST FISHKILL AND BEEKMAN (PIN 8755.38)

The foregoing resolution was pulled by the Department of Public Works on April 4, 2019.

2019101 AUTHORIZING THE COUNTY TO ABANDON OWNERSHIP AND MAINTENANCE JURISDICTION OF A PORTION OF OLD ROUTE 9, (STATE HIGHWAY 5154), LOCATED IN THE TOWN OF WAPPINGER TO THE TOWN OF WAPPINGER, DUTCHESS COUNTY

On motion by Assistant Majority Leader Bolner, duly seconded by Majority Leader Sagliano, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019102 AUTHORIZING CONDEMNATION PROCEEDING FOR TEMPORARY EASEMENT AGAINST JOSEPH FREGOSI AND FRANK BARTOLOMEO IN CONNECTION WITH THE OLD HOPEWELL ROAD (CR 28)/ALL ANGELS HILL ROAD (CR 94) INTERSECTION IMPROVEMENTS PROJECT IN THE TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK (PIN 8758.71)

On motion by Assistant Majority Leader Bolner, duly seconded by Majority Leader Sagliano, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019103 AUTHORIZING CONDEMNATION PROCEEDING FOR FEE ACQUISITION AND TEMPORARY EASEMENT AGAINST LINDA DELVESCOVI IN CONNECTION WITH THE OLD HOPEWELL ROAD (CR 28)/ALL ANGELS HILL ROAD (CR 94) INTERSECTION IMPROVEMENTS PROJECT IN THE TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK (PIN 8758.71)

On motion by Assistant Majority Leader Bolner, duly seconded by Majority Leader Sagliano, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019104 AUTHORIZING CONDEMNATION PROCEEDING FOR TEMPORARY EASEMENT AGAINST PAUL D. BAXTER AND MARION BAXTER IN CONNECTION WITH THE OLD HOPEWELL ROAD (CR 28)/ALL ANGELS HILL ROAD (CR 94) INTERSECTION IMPROVEMENTS PROJECT IN THE TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK (PIN 8758.71)

On motion by Assistant Majority Leader Bolner, duly seconded by Majority Leader Sagliano, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019105 AUTHORIZING COUNTY EXECUTIVE TO SIGN GRANT AGREEMENT WITH FEDERAL AVIATION ADMINISTRATION AND NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) AND AUTHORIZING USE OF COUNTY FUNDS FOR PURCHASE OF SNOW REMOVAL CARRIER VEHICLE AND TO PURCHASE ADDITIONAL EQUIPMENT IN CONNECTION WITH THE HUDSON VALLEY REGIONAL AIRPORT

On motion by Assistant Majority Leader Bolner, duly seconded by Majority Leader Sagliano, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019106 AUTHORIZING THE COUNTY EXECUTIVE TO SUBMIT, SIGN AND EXECUTE AN FTA 5307 FUNDS GRANT APPLICATION AS IT PERTAINS TO THE DUTCHESS COUNTY DIVISION OF PUBLIC TRANSIT

On motion by Assistant Majority Leader Bolner, duly seconded by Majority Leader Sagliano, the Public Works and Capital Projects Committee unanimously adopted the foregoing resolution with Legislator Incoronato being absent.

2019107 A RESOLUTION AUTHORIZING THE ISSUANCE OF \$16,665,000 SERIAL BONDS OF THE COUNTY OF DUTCHESS, NEW YORK, TO PAY THE COST OF THE RECONSTRUCTION OF THE HEATING, VENTILATION AND AIR-CONDITIONING SYSTEMS AT THE COUNTY COURTHOUSE AND COUNTY OFFICE BUILDING, IN AND FOR SAID COUNTY (FOR DISCUSSION ONLY)

The foregoing resolution was on for discussion only.

2019108 A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AGGREGATE \$1,216,040 SERIAL BONDS OF THE COUNTY OF DUTCHESS, NEW YORK, TO PAY THE COST OF THE PURCHASE OF VARIOUS MOTOR VEHICLES AND MAINTENANCE EQUIPMENT FOR VARIOUS DEPARTMENTS IN AND FOR SAID COUNTY (FOR DISCUSSION ONLY)

The foregoing resolution was on for discussion only.

2019109 A RESOLUTION AUTHORIZING THE ISSUANCE OF \$6,019,600 SERIAL BONDS OF THE COUNTY OF DUTCHESS, NEW YORK, TO PAY A PORTION OF THE COST OF BRIDGE, CULVERT AND HIGHWAY IMPROVEMENTS, IN AND FOR SAID COUNTY (FOR DISCUSSION ONLY)

The foregoing resolution was on for discussion only.

Presentation: Highway and Bridge Capital Request attached hereto.

There being no further business, the meeting was adjourned.



2019 Road and Bridge Improvement Program

▶ Pavement Management Program	\$3,000,000
▶ Bridge/Culvert Improvement Program	\$5,550,000
▶ Universal Accessibility Program	\$1,000,000
▶ Misc. Highway, Safety and Drainage Improvement Program	\$ 450,000
▶ Estimated Total 2019 Project Costs	\$10,000,000
▶ Anticipated CHIPS Funds (NYS)	-\$3,360,000
▶ Anticipated PaveNY Funds (NYS)	-\$680,000

2019 Net Total Program Request \$5,960,000

10 YR. History
of Annual
Bridge &
Highway
Bond
Requests

<u>Year</u>	<u>Resolution No.</u>	<u>Net Request**</u>
2009	Res. No. 209116	\$2.715M
2010	Res. No. 2010225	\$0.000M
2011	Res. No. 2011133	\$1.488M
2012	Res. No. 2012087	\$1.704M
2013	Res. No. 2013068	\$3.500M
2014	Res. No. 2014048	\$5.568M
2015	Res. No. 2015131	\$5.417M
2016	Res. No. 2016112	\$4.003M
2017	Res. No. 2017065	\$2.850M
2018	Res. No. 2018097	\$2.870M

** Net County funding after NYS offsets, does not include bond costs.

Dutchess County Roads, Bridges & Culverts by the numbers

- 395 - Centerline miles of roads to maintain (800 lane miles)
- 30 - Traffic Signals, in addition to 11 flashing warning lights and signs
- 157 - bridges to maintain, repair, replace (spans over 20')
- 186 - large culverts to maintain, repair, replace (spans 5' – 20'.)
- 15,313 – approximate number of traffic control devices (signs) to maintain
- 4,000,000 – approximate feet of pavement stripes painted annually
- 14 – Engineering Division staff
- 80 – Highway Division operations staff (not including admin/accounting)
- \$13M – Annual Operating expenses
- \$30M – Approximate annual capital expenses



Previously Funded Projects

Intersection Improvement and Road Realignment Project

Route 72 (North Avenue) at
Hurley Road, Town of Pleasant Valley
funding was approved in 2015 and 2016



Construction completed 2018.

Bridge Replacement Project

Bridge PP-12 Replacement, Amenia-Pine Plains Road
(CR 83) over Shekomeko Creek, Town of Pine Plains
funding was approved in 2016 and 2018



Construction completed in November 2018.

Bridge Replacement Project

Bridge E-5, Beekman Road (CR 9) over Sylvan Lake Outlet,
Town of East Fishkill
funding was approved in 2017 and 2018



Construction will be completed in Spring 2019.

Bridge Replacement Project

Bridge PV-6, Hibernia Road over Little Wappinger Creek,
Town of Pleasant Valley
funding was approved in 2016 and 2018



Construction completed in July 2018.

Culvert Replacement Project

Culvert RH-13, Cokertown Road (CR 56),
Town of Red Hook
funding was approved in 2016 and 2017



Construction completed in October 2018.

Pavement Management

Work completed between
May 2018 and October 2018

CR	Road Name	Description/Location	Miles	Process	Township
8	Greenhaven	R/R - NYS 216	0.81	Overlay	Beekman
47	Freedom	2017 work - Plass Rd	1.37	Overlay	Plesant Valley / LaGrange
48	IBM, Sand Dock	NYS 9 - End	0.78	HIPR / Micro	Poughkeepsie
49	Titusville	CR 44 - Golds Gym	0.66	Mill ,binder shoulders/ Overlay	LaGrange
50	Mt. Ross	NYS 199 - Columbia Cty Line	2	Overlay	Pine Plains
61	Indian Lake	CR 58 - CR 62	2.68	Mill Shoulders	North East
65	Hunns Lake	Carpenter Hill - CR 83	1.19	Mill Shoulders	North East
40	E. Dorsry Ln	NYS 9G - Cr 100	0.78	Mill Shoulders / Overlay	Hyde Park
20	West Dover	2017 work south	3.4	Mill Shoulders, Binder	Dover / Pawling
72	North Ave	Hurley Ave - Red Fox Lane	0.54	Mill Shoulders / Overlay	Plesant Valley
32	Pleasant Ridge	NYS 55 - Stone Drive	2.02	Mill Shoulders/6.3mm overlay	Beekman
89	Waterbury	Ricks Rd - Smith Rd	1.2	CIPR / Overlay	Union Vale
51	Academy Hill	NYS 199 - Woody Row Rd	1.97	Binder shoulders	Milan
57	Shunpike	NYS 82 - CR 98	4.77	CIPR / HMA overlay	Washington
41	West Market	NYS 9 - NYS 9G	1.33	Overlay	Hyde Park
21	Pleasant Ridge	MTA tracks - CR 20	1.52	Mill Shoulders/ Overlay	Dover

Pavement Management

Work completed between
May 2018 and October 2018



Cold-in-place recycling on
Waterbury Hill Road (County
Route 89)



Pipe replacement on Green
Haven Road (County Route 8)



2019

Requested Project Funding

Proposed 2018 Projects

- Pavement Management County-Wide
- Bridge PV-17 Replacement – construction costs
- Bridge PP-5 Replacement – construction costs
- Bridge E-8 Replacement – construction costs
- Culvert N-22 & N-23 Repl. – construction costs
- Bridge F-3 Replacement – design costs
- Bridge C-11 Replacement – design costs
- Bridge R-8 Replacement – design costs
- Culvert U-7 Replacement – design costs
- Universal Accessibility Program – design & construction costs
- Miscellaneous Safety/Drainage/Parking lot repairs
- Guide Rail/Bridge Rail Replacements/Repairs

Proposed 2019 Bridge Project



Bridge PV-17 Replacement, Mill Lane
over unnamed creek, Town of
Pleasant Valley

funding for design was approved in
2018

Request for \$1,175,000 for construction
and construction inspection.

If funds are authorized, bids for
construction will be issued in Fall 2019.

Construction will be completed by
November 2020.

Proposed 2019 Bridge Project

Bridge PP-5 Replacement, Willowvale Road
over Shekomeko Creek, Town of Pine Plains
funding for design was approved in 2017



Request for \$1,200,000 for construction and construction inspection.
If funds are authorized, bids for construction will be issued in Fall 2019.
Construction will be completed by October 2020.

Proposed 2019 Bridge Project

Bridge E-8 Replacement, Phillips Road
over Fishkill creek, Town of East Fishkill
funding for design was approved in 2018



Request for \$1,500,000 for right-of-way, construction and construction inspection. If funds are authorized, bids for construction will be issued in Fall 2019. Construction will be completed by October 2020.

Proposed 2019 Culvert Project

Culvert N-22 & N-23 Replacement, McGhee Hill Road (CR 64)

Over trib. of Bean River, Town of North East



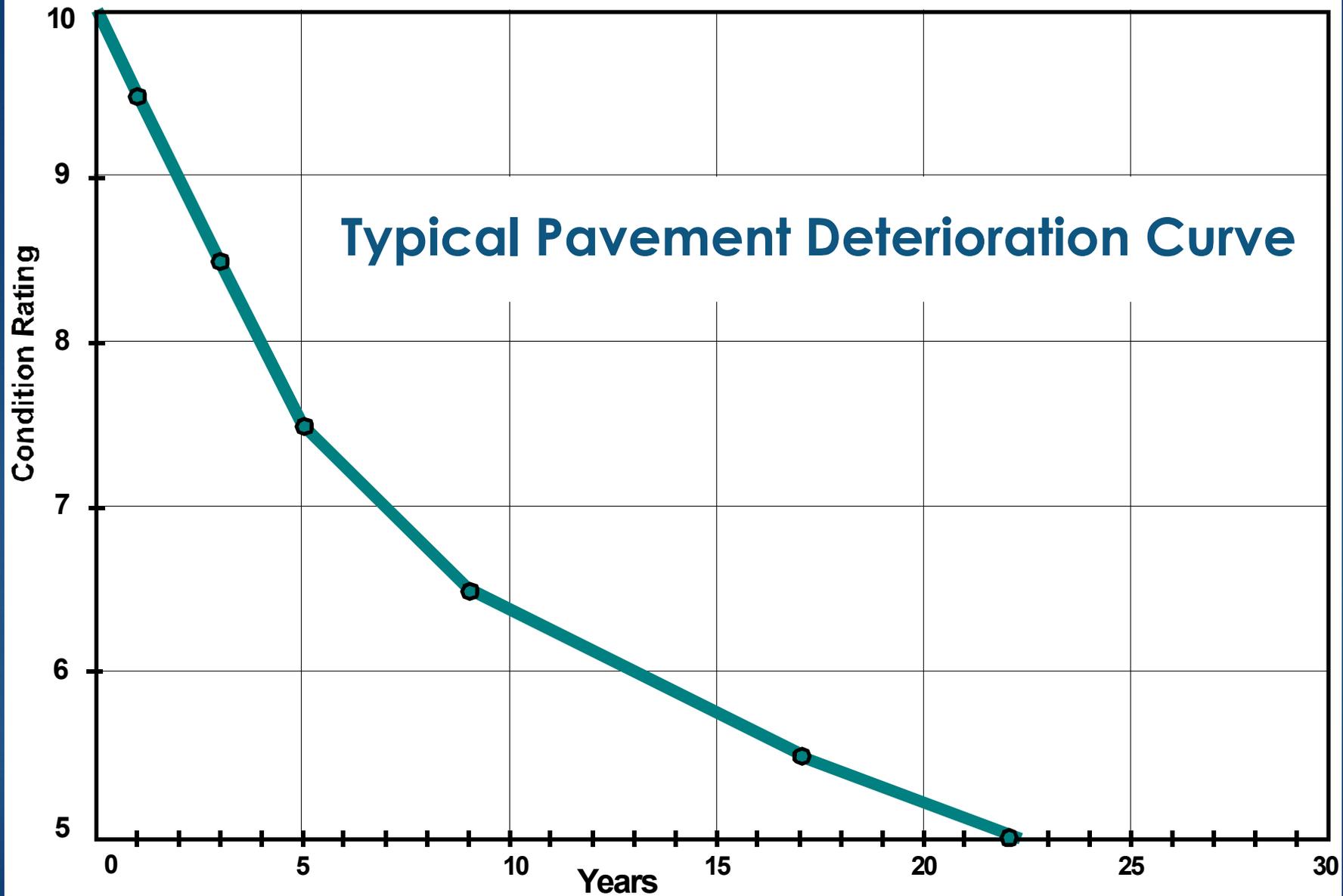
Request for \$800,000 for right-of-way, construction and construction inspection.
If funds are authorized, bids for construction will be issued in Fall 2019.
Construction will be completed by October 2020.

Why is it important to invest in pavement management?

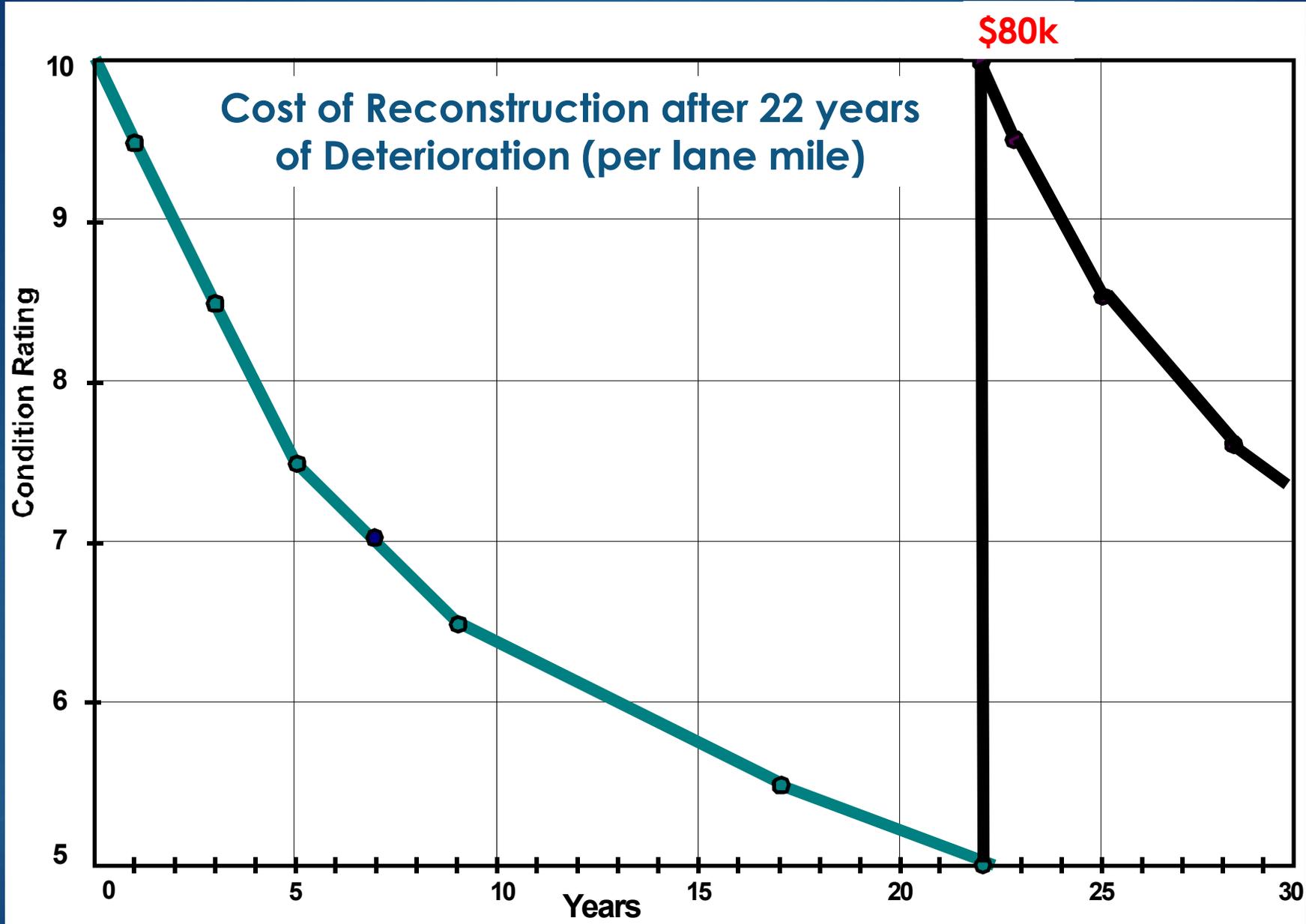
Regular pavement management keeps the road surface in good condition, reducing wear & tear on vehicles, provides quality roads for travelers, and promotes commerce and economic investment.

Over the long term, regular pavement surface management reduces the cost of keeping the highway network in a state of good repair.

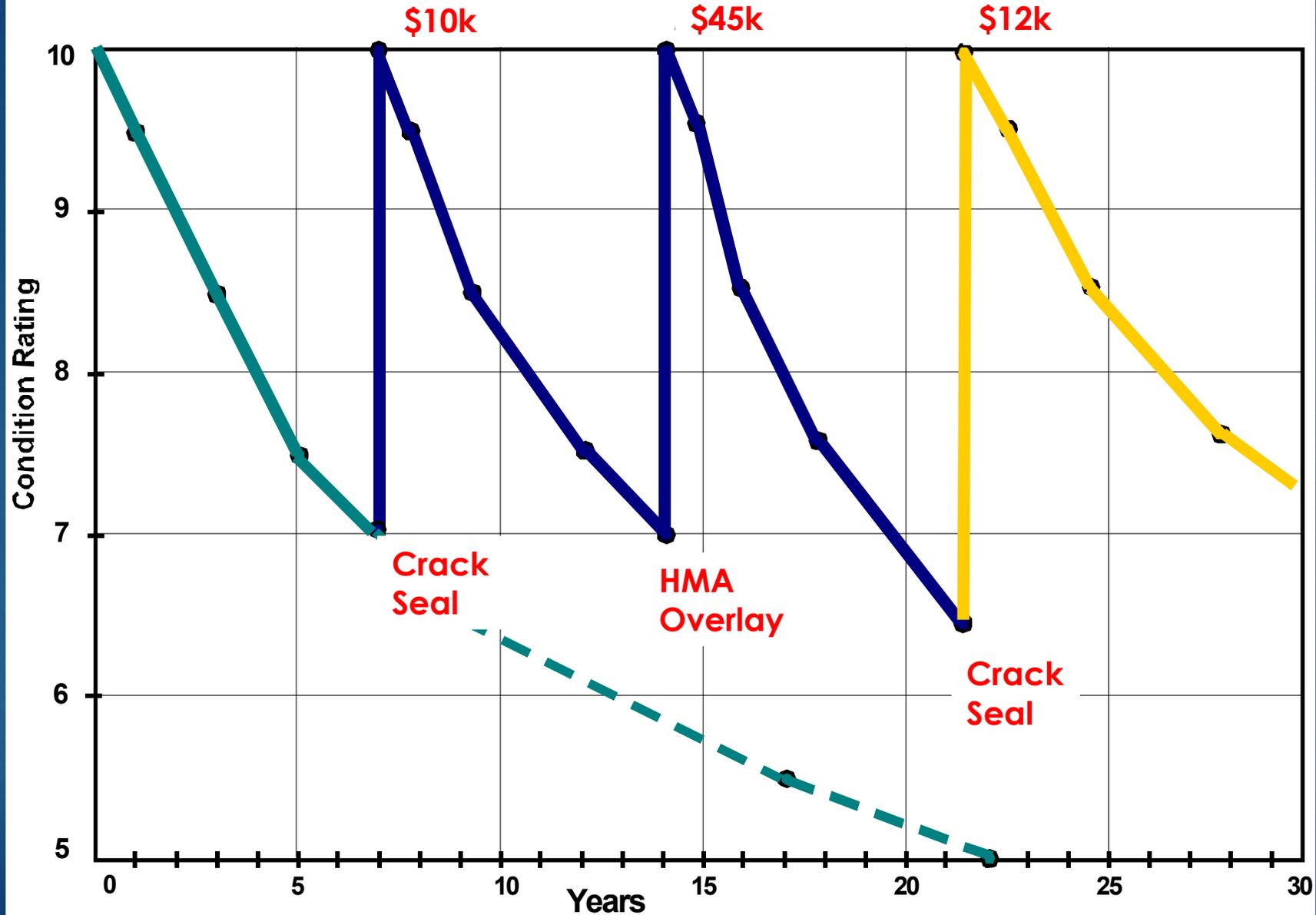
HOW CAN SPENDING MONEY REDUCE THE COST OF
MAINTAINING COUNTY ROADS ???



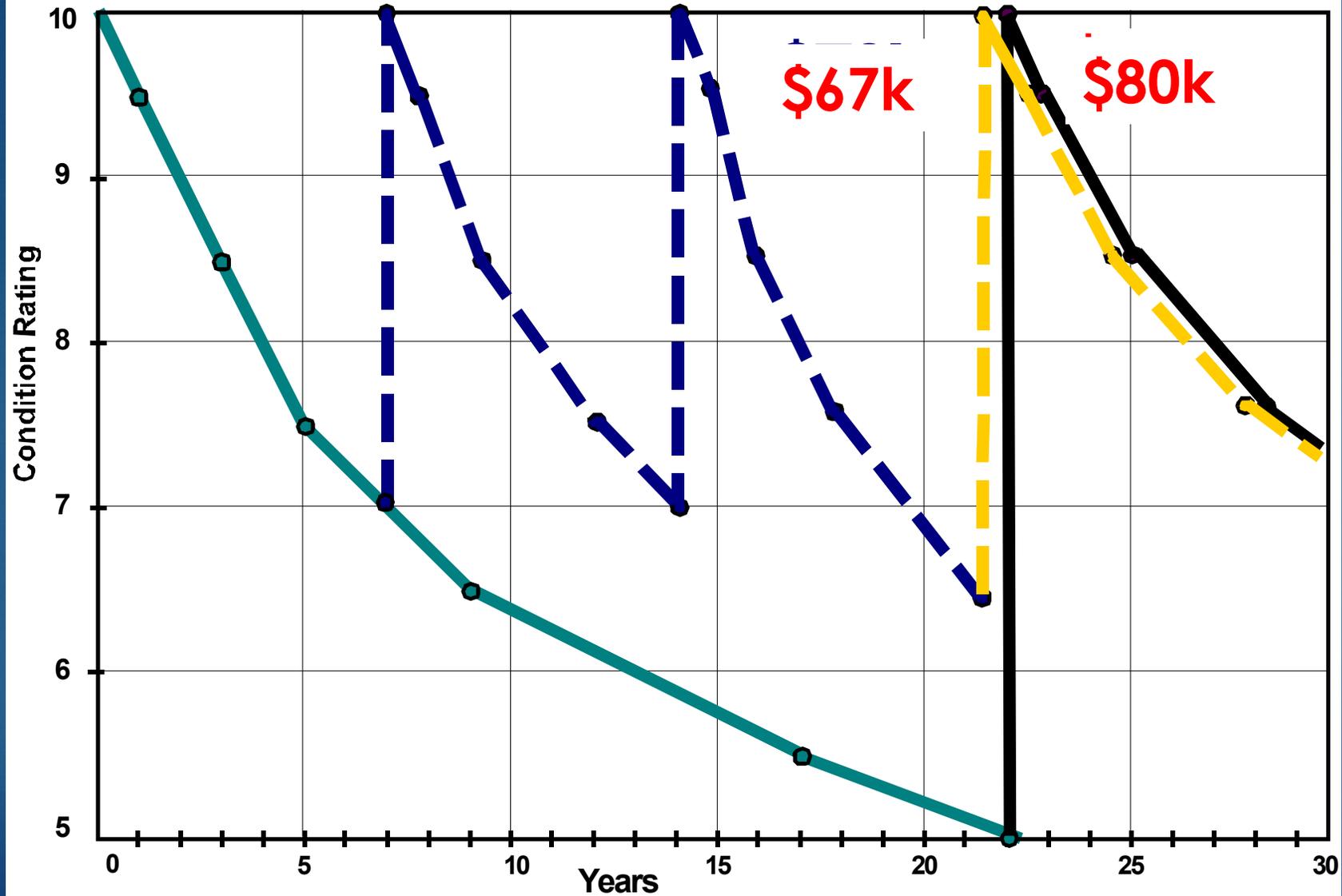
Typical Pavement Deterioration Curve



Cost of 3 Surface Treatments after 7, 14 and 21 years of Deterioration



Cost Comparison of 3 Surface Treatments vs. Single Reconstruction



2019 Pavement Management Program

Total Estimated Cost = \$3.0 Million

Approximately 15-20 Centerline Miles of County Highway to receive treatment

Treatments may include:

1. Hot Mix Application (HMA) resurfacing
2. Cold In-Place Recycling
3. Full-Depth Reclamation (FDR)
4. Heating/Scarifying/Overlay
5. Fiber Mat w/ surface treatment
6. Specialty Surface Treatments
(Nova-Chip, Slurry-Seal, Chip-Seal, Ultra-thin)

Universal Accessibility Program

The Department of Public Works and the Department of Planning & Development will work together to establish priorities and projects.

Candidate projects may include:

- Improving traffic signals by adding pedestrian signals with audible warning or count-down systems
- Replacing or installing curb ramps and detectable warning devices at intersections or commercial driveways
- Building ADA compliant ramps and sidewalks to improve access to County buildings and park facilities
- Installing or replacing sidewalks along county or other local roads to improve access, or connect existing accessible routes where gaps exist

Request for \$1,000,000 for design, construction and construction inspection.
Expenses may include purchase of materials or systems to improve access to parks, buildings, parking lots, street crossings, sidewalks.



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