

**133 Keyes Road
Concord, MA 01742**



DATE: March 5, 2026

MEMORANDUM

TO: Public Works Commission
VIA: Alan Cathcart, Public Works Director
FROM: Stephen Dookran, PE, Town Engineer
PREPARED BY: Joe Cormier, Public Works Engineer
SUBJECT: 2026-2027 Road Paving Projects

Purpose:

Engineering is planning to present the 2026-2027 Roads resurfacing projects to the PWC at the March 11, 2026, meeting. The purpose of the presentation is to inform the Commission of the streets selected for resurfacing, the type of treatment they are to receive and how Engineering intends to incorporate lower cost road safety improvements into the resurfacing work as well as effectively coordinate larger safety improvement projects as time and community acceptance allows.

Background:

At the November 2025 PWC meeting, Engineering presented a briefing on the status of current pavement management projects as well as how Engineering anticipates implementing future paving contracts. To preface, Engineering in consultation with Stantec developed and obtained Town meeting approval for a five-year \$25 million borrowing to fund the pavement management program, with a goal of increasing the town's average Pavement Condition Index (PCI) from 73 to the mid-high 80s. Pavement Condition Index is an industry standard method for evaluating and ranking pavement conditions on a scale of 0 to 100 (100 being a new road) and Engineering obtains an update every three years by a third party survey. A successful pavement management program consists of a comprehensive approach by treating roads in varying degrees of deterioration by applying both preservation and traditional paving methods which allows for a larger quantity of roads to be treated and maintained at a higher level.

In addition to the \$25 million dollar borrowing, the town also approved a five-year \$2.5 million borrowing (at \$500,000 per year) for right-of-way safety improvement projects. In response to this new allowance, Stantec was tasked to develop a screening tool and a review process for ranking and prioritizing the list of resident requests for safety projects that might otherwise fall outside the annual roads program to determine which merit advancement, drawing upon this new funding and how others might be programmed for future funding. It was recommended that the development of the tool and the process for using it be done carefully and methodically with the understanding that the requests are numerous and the available budget is limited. Details on how this tool was developed and how it works have been presented to the Transportation Advisory Committee (TAC) at their recent meetings.



Proposed 2026-2027 Paving Projects

Engineering engaged the consultant, IMEG to assist with developing paving contracts for the next two upcoming seasons. Unlike in years past, the multi-year funding allowed Engineering to develop two-year contracts rather than just one-year. This allowed for better opportunities to obtain competitive bid pricing, increased flexibility in scheduling work around utility needs and abutting projects and reduced annual administrative tasks. Bids for two paving contracts have been received and will be implemented simultaneously to allow more work to be done within the limited construction season by having the potential for multiple contractors or crews performing work simultaneously. The two contracts are comprised of preservation and traditional paving including, full depth reconstruction, milling and overlaying, fog sealing, and crack sealing. Implementing a variety of treatments is a comprehensive approach to maintaining not just roads in poor condition, but roads throughout their service life. In addition to coordinating with the safety improvement initiative, Engineering coordinates the paving program with utilities present, other town needs, and other abutting town projects. An advantage of having multi-year contracts is to afford the Town flexibility in the paving schedule from year to year to allow for this coordination throughout the construction season.

Below is the comprehensive list of streets and associated treatments included in the 2026-2027 paving program. It consists of approximately 18 miles (including streets to be crack sealed and fog sealed) of roads to be treated per year for the first two years of the 5-year funding plan. Additional contracts will be developed in future years to carry out the remaining program. In addition, we included for informational purposes remaining contracted pavement resurfacing work that has been carried over from last year.

Please note that these lists are subject to change based on any significant increases in the cost of liquid asphalt and equipment fuel during the contract time.

Coordinating and Incorporating Road Safety Projects

Stantec was provided the various lists of community requests for road safety improvements to apply the project ranking tool mentioned. The requests included projects from the Complete Streets list, Cut-Through Traffic Study, Mothers Out Front requests, Traffic Management Group, West Concord Master Plan and Safe Routes to School Signs and Lines Assessments. Stantec has condensed the large volume of requests into 103 projects with an estimated value of approximately \$27 million. The ranking of the 103 projects using the criteria and scoring methods is being finalized and will be introduced at the March 11, 2026, PWC meeting.

CPW has been planning to incorporate a number of safety projects identified within this list on streets to be paved this coming construction season. At this time, Stantec has been tasked to crosscheck the list of 103 projects against all the streets to be paved in 2026 and 2027 and is planning to have the results on which projects interface with the paving streets ready for the March 11 PWC. This will include their professional recommendations on which projects should be advanced in conjunction with the paving in 2026 and 2027.

It is reasonable to assume that low-cost safety projects that can easily be implemented with little to no delay to the paving program, can be incorporated into the paving scope of work, while



larger projects requiring significant design and impacts to pavement, will need a considerable amount of further evaluation regarding design, cost and schedule for implementation. The 2-year paving contracts allow some flexibility in scheduling the paving which will minimize the impact to new pavement. It is important to note that significantly deferring the planned pavement rehabilitation of a street may result in a much more costly treatment and it is necessary to keep the pavement management program on schedule to meet the goals of the program. In some cases, paving of the location of a selected safety project can be deferred to allow the implementation of that project later, without appreciable increases in cost.

An additional effort planned for the roads paving program is to identify additional lower cost safety improvements (not already included on the resident request list of 103) that can be easily and quickly incorporated into the paving contracts. Upon finalizing the streets to be paved and bid recently, the street list was forwarded to Stantec to perform a review for such safety improvements. Anticipated recommendations include the narrowing of vehicle travel lanes, the adding or widening of shoulders, crosswalk improvements, installation of flashing beacons, new signage, piloting of speed bumps and other affordable safety measures. Performing this work by Stantec has been hampered by weather conditions and high snowbanks but is expected to be completed by spring so that decisions can be made on implementing recommendations from Stantec in conjunction with the paving contracts for 2026 and 2027.

As a final note, CPW is informing the Commission that any lists related to recommended road safety projects made available at the March 11 PWC meeting or soon afterwards are not final. They and any updates are for future consideration by the PWC and TAC. It is anticipated that the recommendations will be reviewed by members and discussed by TAC with public input before final decisions are made to proceed with selected projects.



Streets to be Paved in 2026

2026			
Street	From	To	Treatment
Barretts Mill Rd 2	Lowell Rd	College Rd	Crack Seal
Bedford St 1	Monument Sq	Old Bedford Rd	2" Mill and Overlay
Court Ln	Monument St	Bedford St	3" Mill and Overlay
Devens St	Sudbury Rd	Hubbard St	2" Mill and Overlay
Estabrook Rd 3	Barnes Hill Rd	Dead End	2" Mill and Overlay
Everett St 1	Thoreau St	Stow St	Crack Seal
Everett St 2	Stow St	Walden St	3" Mill and Overlay
Grove St	Barrett'S Mill Rd	Barrett'S Mill Rd	2" Mill and Overlay
Hawthorne Ln	54 Hawthorne	Cambridge Tpk	5.5 Reclaim
Hawthorne Ln	Lexington Rd	54 Hawthorne	2" Mill and Overlay
Knox Tr	Main St	Acton Town Line	Crack Seal
Lexington Rd 1	Monument Square	95' E Of Cambridge Tpk	Crack Seal
Lowell Rd 6	Monument Sq	Barretts Mill Rd	2" Mill and Overlay
Monument St 2	287' N Of Liberty St	Carlisle Town Line	Crack Seal
Monument St 6	Monument Sq	250'S of Bridge	Crack Seal
Nashawtuc Rd 1	Main St	345' N of Main St	2" Mill and Overlay
Old Bedford Rd 3	Lexington Rd	Bedford Street	2" Mill and Overlay
Old Marlboro Rd 3	500' S Of Hunter'S Ridge	Sudbury Town Line	3" Mill and Overlay
Peabody Ct	Fuller Ln East	Fuller Ln West	3.5 Reclaim
Quail Run Dr	Virginia Rd	Cul-de-sac	2" Mill and Overlay
Spencer Brook Rd	Acton Townline	Westford Rd	2" Mill and Overlay
Stow St	Sudbury Rd	Laurel St	2" Mill and Overlay
Sudbury Rd 11	Devens St	Fairhaven Rd	2" Mill and Overlay
Sudbury Rd 7	80' S Of Powder Mill Rd	332' N Of Fitchburg Tk	2" Mill and Overlay
Thoreau Ct	Thoreau St	Dead End	2" Mill and Overlay
Union St	Fielding St	Hubbard St	Crack Seal and Fog Seal
Westford Rd 2	Carlisle Town Line	Spencer Brook Rd	2" Mill and Overlay
Bridgecourt Ln	Old Bridge Rd	Cul-De-Sac Loop	2" Mill & Overlay
Church St 2	Main St	Fowler Driveway	Crack Seal
Commonwealth Av 1	Laws Brook Rd	Bridge	3.5" Mill and Overlay
Domino Dr	Conant St	Cul-De-Sac	2" Mill and Overlay
Fitchburg Tk 1	220' W of Sudbury Rd	Sudbury Town Line	2" Mill and Overlay
Fitchburg Tk 4	220' W of Sudbury Rd	150' E Of Garfield Rd	3.5" Mill and Overlay
Garfield Rd 1	Sudbury Rd	510' S Of Sudbury Rd	Crack Seal
Laws Brook Rd 1	250' E Of Crabtree Rd	Acton Town Line	2" Mill and Overlay
Main St 12	Macarthur Rd	392' E Of Westgate Rd	2" Mill and Overlay
Main St 2	100' E OF Water St	Acton Town Line	Crack Seal
Main St 5	250' E of Orchard Rd	Macarthur Rd	3" Mill and Overlay
Oak Hill Ct	Shagbark Rd	Oak Hill Ct	2" Mill and Overlay
Old Marlboro Rd 4	Harrington Av	Old Pickard Rd	2" Mill and Overlay
Old Rd 2	Rt 2	465' S Of Rt 2	2" Mill and Overlay
Old Rd 3	Williams Rd	Rollingwood Ln	2" Mill and Overlay
Old Rd 4	400' N Of Wolf Pine	Thornton Ln	2" Mill and Overlay
Oxbow Rd	Sudbury Rd	Sudbury Rd	2" Mill and Overlay
Sandy Pond Rd 2	343' S Of Concord Tnpk	Lincoln Town Line	2" Mill and Overlay
Sudbury Rd 10	332' N Of Fitchburg Tk	100' S Of Fitchburg Tk	2" Mill and Overlay
Sudbury Rd 14	120' S Of Garfield Rd	80' S Of Powder Mill Rd	2" Mill and Overlay
Sudbury Rd 4	2000' S Of Rt 2	2937' S Of Rt 2	Crack Seal
Wheeler Rd	Plainfield Rd	Sudbury Rd	2" Mill and Overlay

Streets to be Paved in 2027

2027			
Street	From	To	Treatment
Alcott Rd 2	300' N Of Lexington Rd	50' W Of Independence R	Crack Seal
Attawan Rd	Musketquid Rd	Simon Willard Rd	2" Mill and Overlay
Baker Av 3	Elm St	357' W Allen Farm Ln	2" Mill and Overlay
Byron St	Love Ln	Grant St	2" Mill and Overlay
Cambridge Tk 4	Sandy Pond Rd	Rt 2	crack seal
Chestnut St Ext	Walnut St	Chestnut St	2" Mill and Overlay
Cottage Ln 1	Belknap St	Main St	2" Mill and Overlay
Elm St 1	Main St	Wood St	Crack Seal
Hosmer Rd	Crescent Rd	Nashoba Rd	Crack Seal
Keyes Rd 1	459' W Of Main St	Main St	Crack Seal
Keyes Rd 2	Lowell Rd	459' W Of Main St	2" Mill and Overlay
Laurel St 2	Stow St	Walden St	1.5" Mill and Overlay
Lexington Rd 2	95' E Of Cambridge Tpk	Lincoln Town Line	2" Mill and Overlay
Liberty St	Lowell Rd	1814' N of Lowell	2" Mill and Overlay
Main St	Main St	Monument Sq	2" Mill and Overlay
Main St 10	Old Rd	East Side Of Rte 2	3.5" Mill and Overlay
Monsen Rd 2	Bedford St	1781' N Of Bedford St	3.5" Reclaim
Musketaquid Rd 2	Simon Willard Rd	Nashawtuc Rd	2" Mill and Overlay
Musterfield Rd 4	Nashawtuc Rd	Simon Willard Rd	1-1/2" Mill and Overlay
Nashoba Rd 2	Wood St	287' E Of Garland St	2" Mill and Overlay
Powder Mill Rd 1	Stone Root Ln	441' W Of Stone Root Ln	2" Mill and Overlay
River St	Elm St	Main St	1-1/2" Mill and Overlay
Southfield Ci	Southfield Rd	Southfield Rd	Crack seal
Southfield Rd	Garden Rd	Riverdale Rd	Crack seal
Sudbury Rd 5	Fairhaven Rd	Rt 2	Crack seal
Thoreau St 1	Main St	250' S Of Sudbury Rd	2" Mill and Overlay
Thoreau St 2	195' S Of Sudbury Rd	Walden St	2" Mill and Overlay
Virginia Rd 1	Old Bedford Rd	Lincoln Town Line	2" Mill and Overlay
Wood St	Elm St	Main St	2" Mill and Overlay
Chase Rd 2	Prairie St	Shirely St	2" Mill and Overlay
Commonwealth Av 2	Bridge	Union Tk	Crack Seal
Conant St 3	820' S Laws Brook Rd		2" Mill and Overlay
Conant St 3	Laws Brook Rd	225' S Domino Dr	Crack Seal
Cottage St 3	300' North Of Old Marlboro	Main St	2" Mill and Overlay
Edgewood Rd	Hayward Mill Rd	Main St	2" Mill and Overlay
Harrington Av 2	Ministerial Dr	Old Marlboro Rd	2" Mill and Overlay
Old Stow Rd	Main St	Hillside Av	2" Mill and Overlay
Pine St 1	Bridge	Upland Rd	2" Mill and Overlay
Powder Mill Rd 2	441' W Of Stone Root Ln	667' E Of Old Pickard Rd	2" Mill and Overlay
Powder Mill Rd 3	Sudbury Rd	Stone Root Ln	2" Mill and Overlay
Shagbark Rd	Bayberry Rd	Crabtree Rd	2" Mill and Overlay
Strawberry Hill Rd 1	Barrett'S Mill Rd	Acton Town Line	2" Mill and Overlay
Sudbury Rd 3	100' S Of Fitchburg Tk	Sudbury Town Line	Crack Seal
Sudbury Rd 7	80' S Of Powder Mill Rd	332' N Of Fitchburg Tk	2" Mill and Overlay
The Valley Rd	Holdenwood Rd	Garfield Rd	2" Mill and Overlay
Warner St	272' E Of Pond St	Pond St	Crack Seal and Fog Seal
West St	Central St	Main St	Crack Seal

Carry Over Streets from 2025 to be Completed in 2026

Street	From	To	Treatment
Adin Dr	Fairhaven Rd	Cul-De-Sac	3.5 Reclaim
Hill St	Laws Brook Rd	Hillside Av	3.5 Reclaim
Elm St	Wood St	Baker Av	2" Mill and Overlay
Lowell Rd	Westford Rd	Cartisle Town Line	2" Mill and Overlay
Main St	Wood St	Old Rd	2" Mill and Overlay
Maple St	Laws Brook Rd	Bradford St	2" Mill and Overlay
Musketaquid Rd	Elm St	Simon Willard Rd	2" Mill and Overlay
Orchard Rd	Old Marlboro Rd	Main St	2" Mill and Overlay
Plain Field Rd	Fitchburg Tpke	Powder Mill Rd	MICRO-SURFACE
Kenney Ln	Phillip Farm	Cul-de-sac	MICRO-SURFACE
Walden Ter	Thoreau St	Cul-De-sac	MICRO-SURFACE
Old Bedford Rd	Bedford Street	Bedford Town Line	MICRO-SURFACE
Harrington Rd	Main St	Ministerial Dr(west)	MICRO-SURFACE