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# Memo

*Date:* January 12, 2016

*To:* DPW Commission

*From:* Laura Wheelock, P.E.  
Public Works Engineer  
Street Capital Program Manager

*Subject:* Fiscal Year 2017 Street Reconstruction Paving List  
Complete Streets Acceptance

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## Program Update

The Department of Public Works (DPW) has been actively working on developing paving plans for the summer of 2016, refining the data within our Paver database, and capital planning of the program's immediate and future needs. This would include development of a 5 year paving program as previously tasked to DPW by the Commission in January of 2015. This 5 year paving program would serve three purposes, one is advanced notification to residents of work. Two coordination of the paving program with other DPW programs such as Water/Wastewater/Stormwater and Transportation. The third function of a 5 year paving program is tied to the Complete Streets requirements and coordination.

The complete streets program is to review all streets with significant reconstruction work, review their features to determine how they align with complete street elements, such as bicycle/pedestrian facilities, green spaces, lighting, etc. Act 44 passed by Vermont Legislature in 2011 requires that every project of significant reconstruction consider inclusion of complete streets elements. One of the largest issues that the City of Burlington faces is on streets where there is no sidewalk on either side of the street. The law requires that for project streets that do not have those elements, and does not include them within the project that an exemption is filed.

At the January 2015 Commission meeting it was discussed that Burlington's annual approach to paving does not allow enough time to incorporate complete street elements such as sidewalks as there is not enough time to design these features ahead of paving,

among other challenges such as the increased costs. This is where the 5 year paving program would allow for future identification of streets that do not satisfy the complete streets requirements to better follow the complete streets program and allow enough time to design such elements that should be included and plan for funding/implementation.

The 5 year paving plan at this time is heavily tied to the capital planning for the immediate and future needs of the program and therefore is in a state of flux where the plan looks radically different based on the funding level of the program. As such the 5 year paving plan will be discussed at a later date.

As it relates to this seasons paving list, DPW is presenting for approval of the Commission our work plan for summer of 2016, and Fiscal Year '17 paving list. Also shown is the list of possible additional streets that will be added to the work plan for Fiscal Year '17 should the funding of the program increase mid-fiscal year. The Commission is not being asked to approve those streets at this time only be aware of their influence on the list you are being asked to consider.

#### Summer 2016/Fiscal Year '17 Street Reconstruction List

The work plan includes a mix of Mill/Fill, Reclaiming, and some spot repairs with our plan Work has been coordination with other DPW and City departments to understand all needs on the streets ahead of paving. In addition, use of CIP funds would allow DPW to complete some of the work prior to the start of FY '17.

The tables below outline both funding source identified for the work as well as the potential for the timing of the work. This plan for summer 2016/FY '17 includes approximately 2.36 miles of Mill and Fill, and 1.85 miles of reclaiming. The engineer's estimate for this work is \$1,265,000.

A majority of the work is planned to start July 2016, with the exception of Austin Drive currently scheduled for spring 2017. Also, as indicated in the tables there is the possibility the mill/fill work on North Ave. and Manhattan Dr. would occur earlier in the construction season based on available funding. It is also possible that coordination of the paving work with other DPW departments may result in some of the work moving from summer 2016 to spring 2017. Streets that have coordinating work have been marked in the table below.

#### Complete Streets

Within the proposed work plan DPW has reviewed all of the streets for their compliance with Complete Streets. Of the streets with planned work, all of them comply except the work on the Beltline and Algird. The Beltline is exempt as it is a limited access highway complete streets elements and transportation types are not allowed. Algird falls within the 5 year window that DPW was granted by the Commission where its condition is such that it needs to be paved and cannot wait for design and funding of a sidewalk.

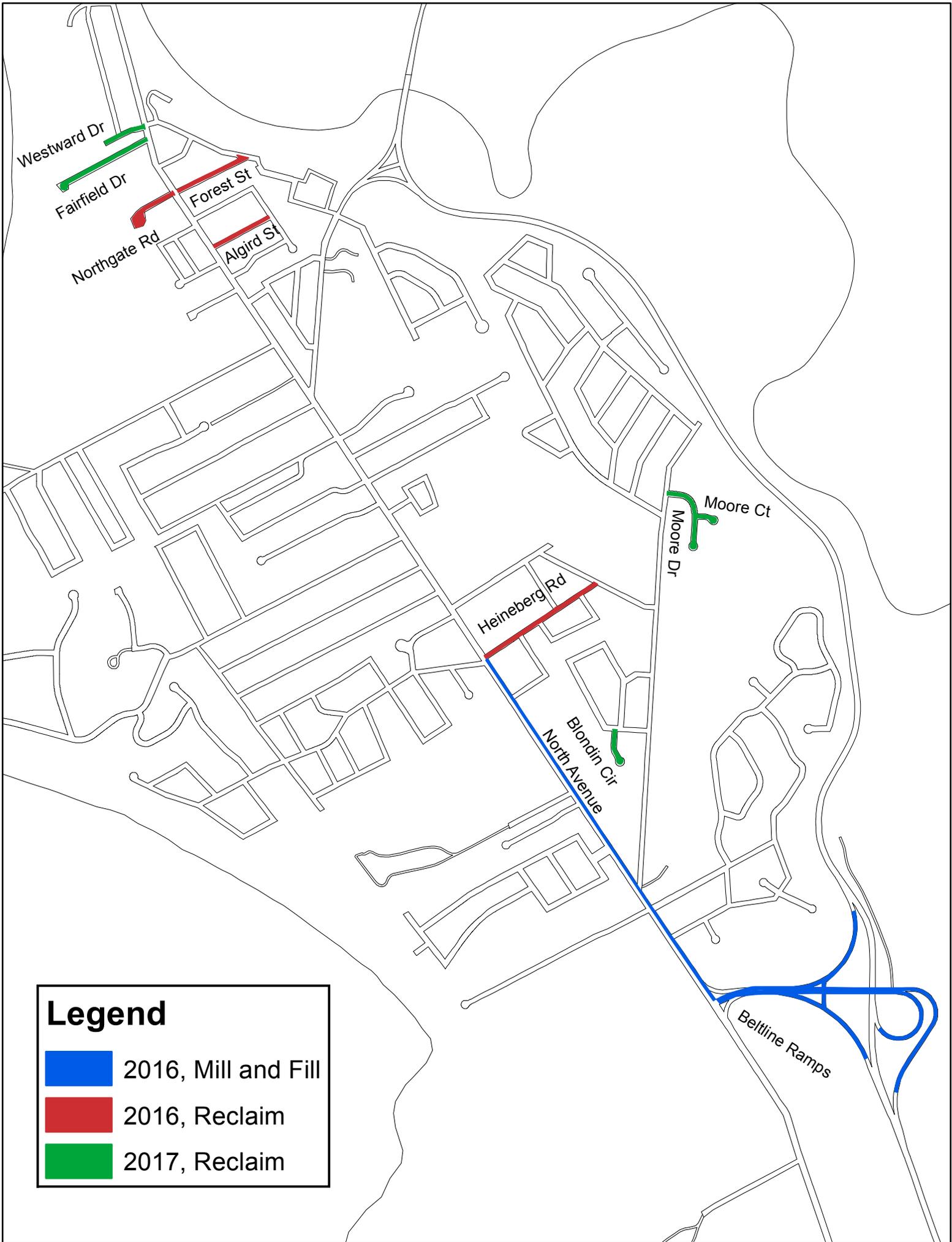
Review of the pedestrian propensity index (PPI) of the adjacent streets shows an average PPI of 62.7; the City's average PPI is 61.2 (Min16.5, Max 90) which helps to identify that the sidewalk is important, it also is not a critical deficiency in the City's transportation system. DPW will still work to include Algird and other streets that have been or will be paved in the next few years in our pursuit of sidewalk designs and construction.

FY'16 Paving Currently Seeking Commission Approval from CIP Infrastructure						
Street Name	Section of Street	PCI	Width	Length	Type of Work	Coord. Work
MANHATTAN	OAK-PARK	51	26	2006	Mill and Fill	
NORTH AVE	RT. LN. NORTH BOUND FROM NORTH AVE RAMPS TO SHORE	50	10	4312	Mill and Fill	Yes
Total				1.20	MILES Mill/Fill	

FY'17 Paving Currently Seeking Commission Approval from Street Capital						
Branch ID	Section	PCI	Width	Length	Type of Work	
ISHAM	ALL	26	26	581	Reclaim	Yes
HICKOK	ALL	38	30	686	Reclaim	Yes
GRANT	ALL	53	26	1109	Reclaim	Yes
HEINEBERG	ALL	29	30	1427	Reclaim	
ALGIRD	ALL	23	30	686	Reclaim	
FOREST	ALL	28	30	792	Reclaim	
NORTHGATE	ALL IN ROW	40	30	528	Reclaim	
AUSTIN	HOME-REDROCKS DRIVE	13	30	1800	Reclaim	Yes
KING	BATTERY-PINE	38	35	1031	Reclaim	Yes
PITKIN	ALL	35	26	1109	Reclaim	Yes
BELTLINE RAMP	ALL RAMPS AT NORTH AVE INTERCHANGE	44	24	6125	Mill and Fill	
WELLS	PATCH	53			Mill and Fill	
N PROSPECT	PATCH	30			Mill and Fill	
Total				1.85	MILES Reclaim	
Total				1.16	MILES Mill/Fill	

Possible Additional Work FY'17 Paving from CIP Infrastructure						
Branch ID	Section	PCI	Width	Length	Type of Work	
MOORE DR	ALL	23	30	792	Reclaim	Yes
MOORE CT	ALL	44	30	211	Reclaim	Yes
BLONDIN	ALL	37	30	397	Reclaim	
FAIRFIELD	ALL	34	30	1056	Reclaim	
WESTWARD	ALL IN ROW	27	30	475	Reclaim	
AUSTIN	REDROCKS-END	13	30	1700	Reclaim	Yes
S COVE	ALL	44	30	3485	Reclaim	Yes
DUNDER	ALL	25	30	1531	Reclaim	
OAK BEACH	ALL	51	30	1083	Reclaim	
Total				2.03	MILES Reclaim	

In conclusion, if you have any questions regarding the proposed street paving list for your approval, please do not hesitate to contact me directly at [LWheelock@burlingtonvt.gov](mailto:LWheelock@burlingtonvt.gov) or 802-863-9094.

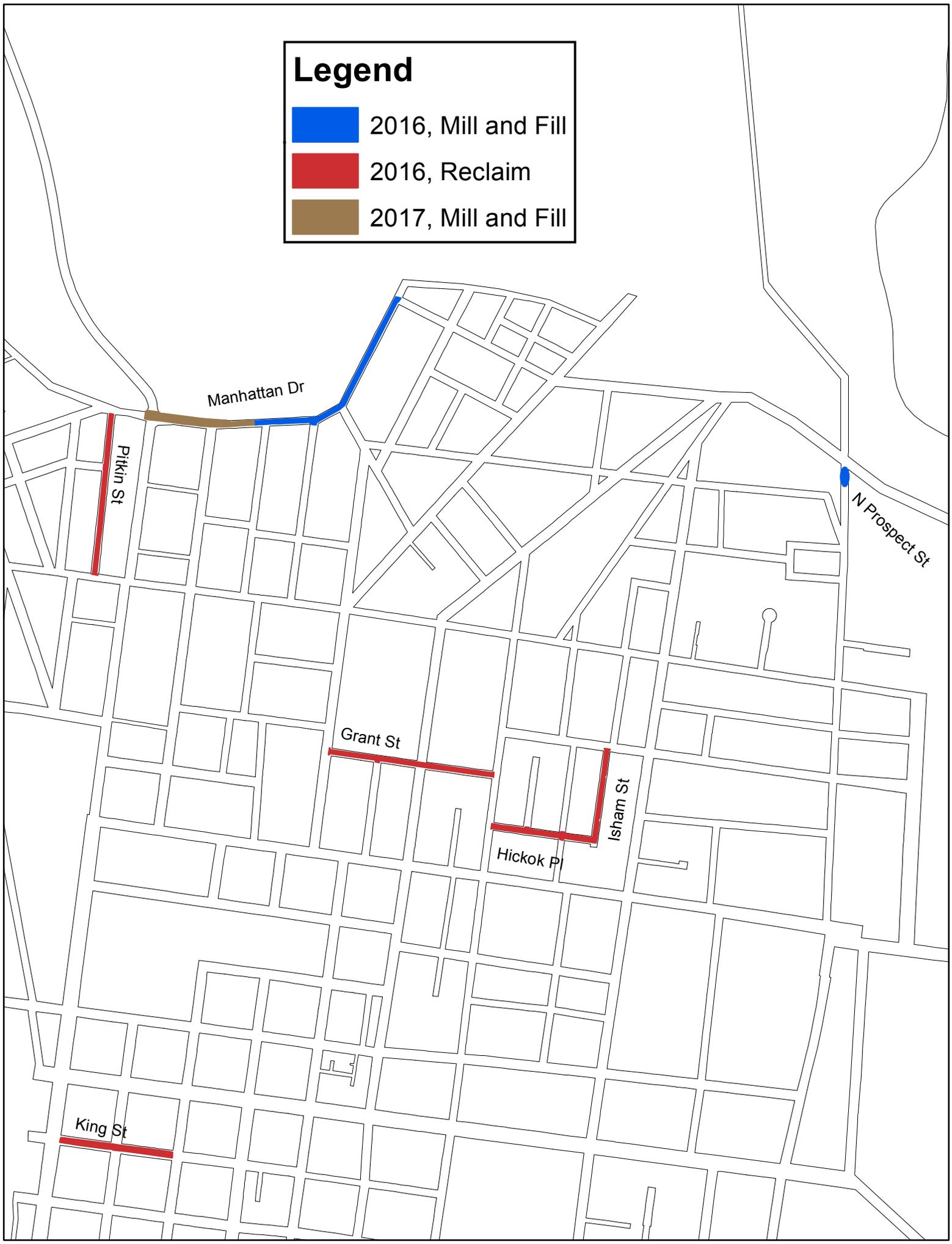


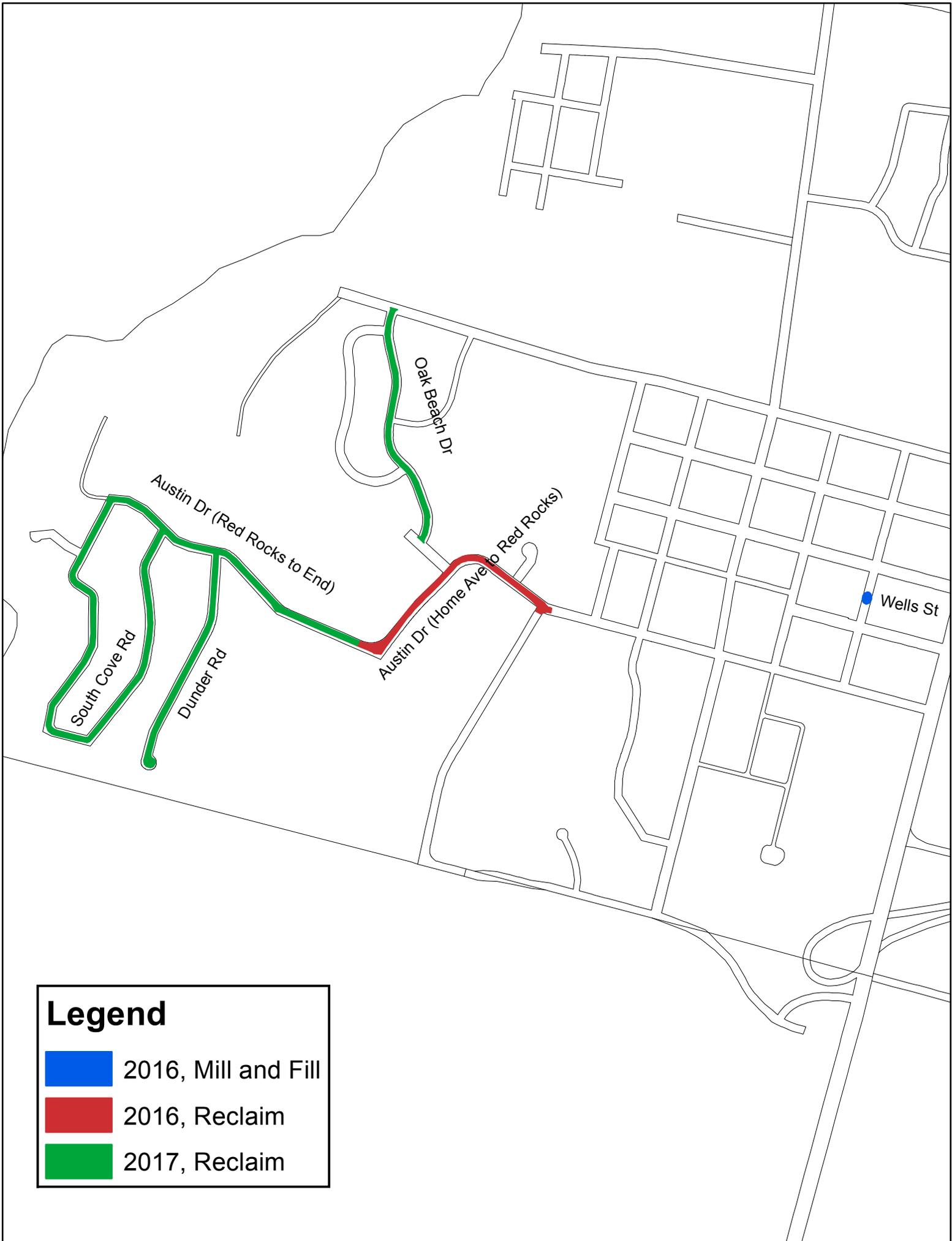
### Legend

- 2016, Mill and Fill
- 2016, Reclaim
- 2017, Reclaim

### Legend

- 2016, Mill and Fill
- 2016, Reclaim
- 2017, Mill and Fill





### Legend

- 2016, Mill and Fill
- 2016, Reclaim
- 2017, Reclaim