

MINUTES
PURCELLVILLE TOWN COUNCIL SPECIAL MEETING
FEBRUARY 2, 2016
(rescheduled from January 26, 2016 due to snow emergency)
TOWN HALL COUNCIL CHAMBERS

The regular meeting of the Purcellville Town Council was convened at 7:00 PM in Council Chambers with the following in attendance:

PRESENT: Kwasi Fraser, Mayor
John Nave, Council member
Joan Lehr, Council member
Patrick McConville, Council member
Doug McCollum, Council member

ABSENT: Karen Jimmerson, Council member

STAFF: Robert Lohr, Jr., Town Manager
Danny Davis, Assistant Town Manager
Sally Hankins, Town Attorney
Alex Vanegas, Director of Public Works
Patrick Sullivan, Director of Community Development
Connie LeMarr, Assistant Director of Finance
Cindy McAlister, Police Dept.
Diana Hays, Town Clerk

CALL TO ORDER OF REGULAR MEETING:

Mayor Fraser called the regular meeting to order at 7:00 PM. The Pledge of Allegiance followed.

AGENDA AMENDMENTS/APPROVAL:

- a. None

PROCLAMATIONS/RECOGNITIONS:

- a. None

PRESENTATIONS:

- a. None

CITIZEN/BUSINESS COMMENTS

Mayor Fraser granted five minutes per speaker.

Ann Harper Pullen, 301 S. 12th Street, talked about the water issue on 12th Street which she feels is getting worse. Ms. Pullen expressed her concerns for the standing water and the mosquito virus. Ms. Pullen stated she would appreciate anything that Council can do to give the residents dry, walkable land.

Oliver Bauer, 321 S. 12th Street, seconded what Ms. Pullen stated and added he is the owner of the pond caused by the run off issues. Mr. Bauer added that several of his trees have died because of the standing water and asked for the Town's assistance in fixing the problem.

Chris Hamilton, 216 W. O Street, and suggested that Council talk with the residents in the area before doing an impact study and spending the Town's money, and added he has spoken with Ms. Pullen and she has not heard from anyone on Council. Mr. Hamilton asked Council to consider the impact long term.

Kelli Grim of Devonshire Circle talked about the vacancy on Town Council and talked about the history of the last several appointments. Ms. Grim also talked about the operational audit and suggested that if staff and Council are involved in an audit that there be an equal amount of citizens involved and added it should start with the administration. In regards to the storm water easement issue, Ms. Grim stated the information provided left her with questions about money, who the engineer was, and where the facts are that this is in the Town's best interest.

David Eno, 351 E. Main Street, talked about the discussion about appointments to Town Council and stated in the past secret meetings have been held for interviews and feels they should be open to the public. Mr. Eno added he and other residents would like to know who is qualified, what their specialty is and what they hope to do on Town Council.

MAYOR AND COUNCIL COMMENTS:

Council member McCollum stated that the Planning Commission's 2015 Annual Report has been completed and after Thursday's meeting, will have the report forwarded to the Town Clerk for distribution to the Council and to make it available to the public.

Council member McCollum thanked Town staff for the extraordinary efforts on snow removal.

Council member McCollum provided a VML legislative update.

Council member Nave thanked staff for their work during the snow storm.

Council member Nave thanked Ben Packard for his contributions to the Town and wished him the best.

Council member Lehr thanked staff for work during the storm.

Vice Mayor McConville thanked staff for snow removal efforts.

Mayor Fraser thanked staff for their dedication during the snow storm.

Rob Lohr read a summary of emergency operations and meeting disclosure statement.

Mayor Fraser corrected a statement made about 12th Street and that he has met with residents of 12th Street to get information about what is going on. As a result of that, Council did adopt the motion to go forward with the study which will be presented tonight.

Mayor Fraser stated that at the last Town Council Meeting, Ms. Jeanne Girolami addressed Town Council about an incident that occurred between Town police and her husband in 2008. The incident lead to Mr. Girolami's arrest and prosecution by the Commonwealth Attorney. Mr. Girolami had the advantage of a defense lawyer at the time of the prosecution and to raise any allegations against the Town at that time. Mr. Girolami plead guilty to the charges and the matter was settled. Mayor Fraser stated that the Town considers all of the issues surrounding that incident to have been fully adjudicated, and considers the matter to be closed. Mayor Fraser added he has had the opportunity to get input on the matter from other Council members and they respectfully decline Ms. Girolami's request to discuss this matter any further.

DISCUSSION/INFORMATIONAL ITEMS:

a. Public Safety Report

i. Purcellville Volunteer Rescue Squad

No one was present to report.

ii. Purcellville Police Department

Chief McAlister introduced the report. Council had no questions.

iii. Purcellville Volunteer Fire Company

No one was present to report.

iv. Purcellville Citizens Support Team

No one was present to report.

b. Public Works Report

Alex Vanegas introduced the report. Council had no comments.

c. Personnel Update

Rob Lohr introduced the report. Council had no comments.

d. 2010 Personal Property Tax No Longer Enforceable

Connie LeMarr introduced the report. Council had no comments.

e. 2015 Annual Red Flag Rule Report

Connie LeMarr introduced the report. Council had no comments.

f. Operational Audit Status

Rob Lohr summarized the staff report and added that staff would like to know if Council would like to conduct an Operational Audit and if so, in what type of format and process would be used.

Council member McConville stated he does not see a need for an Operational Audit and feels they are very time consuming and disruptive of the work place. Council member McConville added he has not heard any complaints, and staff regularly provides updates of their activities.

Council member Nave talked about the objective of the audit and feels it is Council's duty to say they have done their due diligence and that everything is operating the way it should be. Council member Nave feels there needs to be a process in place and that it may be too big of a task that could take years, cost a lot of money, and is disruptive to staff. Council member Nave suggested talking with staff to get their opinion as to what should be looked at as well as talking with other local jurisdictions.

Council member Lehr stated she agrees with Council members McCollum and Nave and does not see Council reviewing different departments without having a direction. Council member Lehr added that approximately five years ago a utility group came in to audit utility bills and found nothing. A similar audit was done at the waste water plant and the result was the same.

Vice Mayor McConville stated he feels that more discussion amongst Council needs to take place to determine which departments they may want to look at. Vice Mayor McConville asked what the cost benefits would be and what the goal is by doing an audit.

Mayor Fraser stated he agrees with Vice Mayor McConville and Council member Nave and that more discussion is needed. Mayor Fraser added that the idea of an operation audit was presented during the Strategic Planning Session, and that Council needs to define what entities need identified for the audit.

g. Environmental Sustainability and Tree and Beautification Committee

Mayor Fraser stated that the Committee on the Environment has been dormant for the past two years and sees a need for it to be revived. Mayor Fraser added that he sat with the one committee member and put together a vision statement and a mission statement which the member agreed to move forward with. Mayor Fraser stated he reached out to other people in the committee to become part of the new joint committee and while doing this noticed the Tree and Beautification Committee was also dormant. Mayor Fraser stated that the idea was to

bring the two committees together and rename it. The Mayor can create ad hoc committees however only the Committee on the Environment was an ad hoc committee, therefore cannot bring in the Tree and Beautification Committee. Mayor Fraser requested that Council deliberate on the potential of bringing together the Environmental Sustainability and Tree and Beautification Committees as a single committee as there are now residents ready to move forward.

Council member McCollum requested to see the Mission Statement and the Vision Statement. Mayor Fraser stated he would distribute those to Council.

Council member Nave added he would also like to review the Mission and Vision Statements.

Council member Lehr added that there have not been any candidates for the two committees and if candidates are now interested, Council has not seen applications. Council member Lehr added that the Tree and Beautification Committee is under Council and in the past Council has approved members on ad hoc committees and would prefer the process be the same for all committees. Council member Lehr asked about Tree City USA and if the committee needs to be on its own. Rob Lohr stated that there has to be a committee dedicated for it and the focus on it. Council member Lehr requested to see the Vision and Mission Statements and added that usually the committee would create those, and does not see an issue with adding an environmental piece to the Tree and Beautification Committee. Council member Lehr stated she would like to provide the public with the opportunity to apply.

Vice Mayor McConville asked if we are looking at creating an ad hoc committee and Mayor Fraser confirmed it would mean dissolving the Tree and Beautification Committee but the vision would roll into the new committee.

Rob Lohr recommended that Council revisit all of the standing committees and determine if they should remain standing committees, what are their responsibilities, are they functioning, staffing, etc. and then review ad hoc committees and determine if they should become standing committees so that all committees are standing or maybe none of them are.

Mayor Fraser stated he would circulate the Mission and Vision Statement of the combined committee for further discussion.

h. Adams Mill Stormwater Easement

Mayor Fraser stated that the issue was about the vacation of the existing easement to put in a new easement and added a process is not in place to work with the vacating of an easement however it is just an administrative function. Patrick Sullivan confirmed. As this is just an administrative function, Mayor Fraser added he had no issues with signing the easement.

ACTION ITEMS:

- a. Vacancy on Town Council; Petition for Writ of Election & Interim Appointment

Sally Hankins stated that the state law requests that the Town file a petition with the Circuit Court within 15 days of a vacancy on Town Council with that deadline being January 27. Sally Hankins added she called each Council member to receive consent to file the petition on behalf of Town Council, and the petition was filed on the 27th. Sally Hankins added she does not believe a hearing will be scheduled but the Clerk will hand the petition to the judge's chambers and it will be processed, signed and sent back. Sally added that the date she requested for the special election is May 3 based on the information received from each Council member with the alternate date of March 8, which is soon.

Sally Hankins added that the purpose of the action item is to have Town Council adopt the resolution directing her to file the petition and direct Town Council to discuss the interim appointment process, if any, and any appointments that Council may choose to make.

Council member McCollum made a motion that Town Council approve resolution 16-01-02, directing the Town Attorney to File, on behalf of Town Council, a Petition for Writ of Election requesting that the Court order a Special Election be held on May 3, 2016 to fill the vacancy on the Purcellville Town Council. The motion was seconded by Council member Lehr.

Motion: Council member McCollum
Second: Council member Lehr
Carried: 5-0-1 Absent

Nave - Aye
Lehr - Aye
McConville - Aye
McCollum - Aye
Mayor - Aye

Sally Hankins talked about the options available to Council: not appointing someone to the vacant seat and to wait until the election, to appoint someone, to create a process for that appointment, or because the election is coming up to simply vote.

Council member Nave made a motion that the Town Council approve a process by which the Council will appoint persons to vacancies on Town Council to include the following steps:

1. Application of Interest with Resume and Statement of Purpose for wishing to serve;
2. Interview by Town Council before the public at the earliest possible Town Council Meeting;
3. Selection of appointment by Town Council at the earliest possible Town Council Meeting.

Mayor
Kwasi A. Fraser

Council
Joan Lehr
John A. Nave
Patrick McConville II
Karen Jimmerson
Douglass J. McCollum
Benjamin J. Packard



Town Manager
Robert W. Lohr, Jr.
Assistant Town Manager
Daniel C. Davis

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**TOWN OF PURCELLVILLE
IN
LOUDOUN COUNTY, VIRGINIA**

RESOLUTION NO. 16-01-02

**PRESENTED: JANUARY 26, 2016
ADOPTED: FEBRUARY 2, 2016**

A RESOLUTION: DIRECTING THE TOWN ATTORNEY TO PETITION THE CIRCUIT COURT FOR A WRIT OF ELECTION TO FILL A VACANCY ON THE PURCELLVILLE TOWN COUNCIL

WHEREAS, Benjamin Packard was elected to the office of Town Council for a term commencing July 1, 2014, and terminating June 30, 2018; and

WHEREAS, Council Member Packard resigned his office effective January 12, 2016, thereby creating a vacancy; and

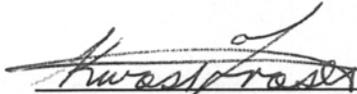
WHEREAS, Virginia Code § 24.2-226(A) requires the Town Council within 15 days of a vacancy to petition the Circuit Court for a writ of election to fill such vacancy; and

WHEREAS, the deadline to file said petition is January 27, 2016; and

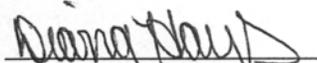
WHEREAS, state law directs the Circuit Court to schedule such election concurrent with the general election scheduled for May 3, 2016, unless the Town Council requests an earlier date.

NOW, THEREFORE, BE IT RESOLVED, that the Town Council directs the Town Attorney to file with the Loudoun County Circuit Court a Petition for Writ of Election requesting that the Court order a Special Election to be held on May 3, 2016, for the purpose of filling a vacancy on the Town Council.

PASSED THIS 2ND DAY OF FEBRUARY, 2016.


Kwasi Fraser, Mayor
Town of Purcellville

ATTEST:


Diana Hays, Town Clerk

The motion was seconded by Mayor Fraser.

Council member McCollum stated he would like more time to digest Council member Nave's comments before commenting.

Council member Nave stated he gave a lot of thought as to how he was appointed including an application and interview, and feels that is fair and transparent for the Town.

Council member Lehr stated that Council is about to begin working on the budget and that one of the applications came from a former Council member, Doc Wiley. Council member Lehr requested to make an alternate motion. Sally Hankins stated a motion would need made to put forward a substitute motion and that motion would need approved by the majority, and if that motion were approved then a substitute motion could be made.

Council member Lehr made a motion to make an alternative motion. That motion was seconded by Council member McCollum.

Mayor Fraser asked if this was accurate and that according to Robert's Rules discussion should come to a conclusion before a secondary motion. Sally Hankins stated she believes that substitute motions are permitted to be interjected into the discussion, however the substitute motion is not guaranteed and has to be voted on and needs majority. And then the substitute motion could be made and discussed working back to the original motion.

Mayor Fraser stated Council is looking to fill a public seat which is filled by election and open discussion and dialogue. Mayor Fraser added that public interviews should be held for those interested in filling the seat of former Vice Mayor Packard. Mayor Fraser stated he does not feel Council should randomly select individuals that they believe are in their best interest and would like, as a Council, to agree have applicants submit applications and make a decision based off of the information received.

Council voted on the request to make a substitute motion.

Motion:	Council member Lehr
Second:	Council member McCollum
Carried:	4-1-1 Absent

Nave -	Aye
Lehr -	Aye
McConville -	Aye
McCollum -	Aye
Mayor -	Nay

Council member Lehr made a substitute motion that since the appointment is for only three months and during budget season it would be very difficult to bring someone brand new in to go through budget season and does not know what Doc Wiley's budget decisions would be but he has an understanding of our government, how we function and has served both as a Council and a Committee member/Chair and has the best interests of the Town at heart. Council

member Lehr moved that the Town Council appoint James Wiley to the existing vacancy on Town Council to serve until such time as the winner of the special election is elected and qualified by the State Board of Elections to fill the seat. The motion was seconded by Council member McCollum.

Vice Mayor McConville asked about the budget calendar and talked about placing ads for requests for applications and resumes. Rob Lohr confirmed that there are no advertising requirements and that would be done at Council's discretion. Further discussion took place about the interview schedule, a possible special meeting, and when an appointment could be made.

Council member Nave stated he admires Doc Wiley however feels this should be opened to the public.

Council member Lehr noted she does not have an issue going through the process however feels it is a lot of work and requested to discuss the interviews and the process.

Council member McCollum asked if the interviews would be public. Mayor Fraser confirmed. Council member McCollum asked if Council would narrow it down to the top three or four and if it would need stated why those were selected and the others were not. Mayor Fraser stated it does not need stated to the public why someone was not selected. Council member McCollum asked about the interview format and being able to ask multiple questions. Mayor Fraser added that the goal is to understand the intent and why the individual wants to serve the citizens.

Mayor Fraser stated there is not a need to put the advertisement in the papers because the majority of residents know about the vacancy and added there is nothing in the code that says otherwise. Sally Hankins confirmed. Mayor Fraser stated that multiple requests have been received to fill the vacancy and feels that information should be reviewed and then Council can interview them at the February 9th meeting. Council talked about the short timeframe between now and then and the length of that meeting. Mayor Fraser stated he feels that Council owes it to the citizens to open this to the public.

Council voted on the motion to appoint James Wiley to fill the vacancy.

Motion:	Council member Lehr
Second:	Council member McCollum
Failed:	3-2-1 Absent

McCollum -	Aye
Nave -	Nay
Lehr -	Aye
McConville -	Nay
Mayor -	Nay

Council member Nave restated his motion that Town Council approve a process by which the Council will appoint persons to vacancies on Town Council, to include the following steps:

1. Application of Interest with Resume and Statement of Purpose for wishing to serve;
2. Interview by Town Council before the public at the earliest possible Town Council Meeting;
3. Selection of appointment by Town Council at the earliest possible Town Council Meeting.

The motion was seconded by Council member McConville.

Council member Lehr stated if this is going to pass that a system for choosing who will be interviewed should be determined and suggested that Council sit in a closed session with the resumes and choose the top four to interview at the following meeting. A date should be set as to when applications need submitted by. Council member Lehr stated that previous applications have been submitted where applicants may have checked the box that they are interested in Town Council should a vacancy occur, and those persons should be contacted to see if they are still interested in a Council seat, and does not feel this can be done at the next meeting.

Rob Lohr stated that at Council's discretion an ad has not been placed about the vacancy, and added that applicants that have asked him about the vacancy were told to hold their applications until Council decided on a process. Rob Lohr suggested that Council look a separate night for the interviews due to the public hearing on the 9th and having to stay on schedule.

Vice Mayor McConville suggested that Council review all applications received at the next meeting and Council the top five to interview the following week or at the next meeting. Vice Mayor McConville added that this could be advertised through the Town's notifications, a Press Release and FaceBook.

Mayor Fraser stated that the deliberation about who Council may select would take place in a closed meeting. Rob Lohr added that a closed session would be added to the February 9th meeting agenda to review all of the candidates that have submitted applications before 5:00 PM on Monday, February 8th. Rob Lohr added that once those candidates have been selected that a Special Meeting Date should be set for interviews unless Council would like to interview at the February 23rd Work Session.

Danny Davis agreed staff would reach out to applicants who have submitted within the past twelve months who were interested in a Town Council vacancy.

Mayor Fraser restated the policy that following this meeting, communication will go out advertising the vacancy and the application process and deadline.

Council member Lehr made a friendly amendment that the first step of the process was to accept applications and the purpose for wishing to serve and the second step is now that Town staff will release public notifications via FaceBook, Press Release and any other avenues and applicants will be required to have their information into the Town Clerk by 5:00 PM on

February 8th. Town Council will meet in closed session on February 9th to choose the top four candidates. Town staff will then set up interviews with those four applicants and will set up all requirements for Special Meetings, if necessary. Town Council will choose a candidate and have that item as the first on the agenda for the February 23rd work session so that person can sit for the remainder of the meeting.

Rob Lohr asked if Council may want to make the appointment at the Special Meeting after the interviews or if they will need time to deliberate before the 23rd.

Council member Lehr stated she does not have a problem added that Council has the option of making that decision on the evening of the Special Meeting and that person would be appointed at the February 23rd meeting. Council member Nave accepted the friendly amendment and Vice Mayor McConville seconded the friendly amendment.

Motion: Council member Nave
Second: Vice Mayor McConville
Carried: 5-0-1 Absent

Nave - Aye
Lehr - Aye
McConville - Aye
McCollum - Aye
Mayor - Aye

b. 12th Street Improvements: Engineering Study Results

Alex Vanegas introduced Don Rissmeyer from AMT who conducted the feasibility study to determine possible solutions to 12th Street. Mr. Rissmeyer reviewed the study and noted that the purpose of the study was to determine who was impacted and to approach them with possible solutions.

Vice Mayor McConville made a motion that the Purcellville Town Council approve moving forward to secure funding through the Revenue Sharing Grant Application process for the design and construction of Option C. The Town Council will have the opportunity to approve or disapprove of the submission of a Revenue Sharing Grant Application to VDOT prior to the submission of the application. The motion was seconded by Council member McCollum

Motion: Vice Mayor McConville
Second: Council member McCollum
Carried: 5-0-1 Absent

McCollum - Aye
Nave - Aye
Lehr - Aye
McConville - Aye
Mayor - Aye

c. Main Street and Maple Avenue Intersection Improvements

Alex Vanegas introduced Geoff Giffin and Drew Wolford from Kimley Horn who gave a presentation of where this project has been since 2004 and about their most recent efforts and analysis that have been done, then provided recommendations for safety improvements.

Council member Lehr made a motion that the Purcellville Town Council approve moving forward with the design and construction of the proposed improvements noted above for the Main Street and Maple Avenue Improvements within the available budget. The motion was seconded by Council member McCollum.

Motion: Council member Lehr
Second: Council member McCollum
Carried: 5-0-1 Absent

McCollum -	Aye
Nave -	Aye
Lehr -	Aye
McConville -	Aye
Mayor -	Aye

d. Bulk Water

Alex Vanegas stated that staff had been requested to set an official rate for bulk water sales.

Council member Nave made a motion that the Purcellville Town Council direct staff to move forward to establish a bulk water rate set at 1.5 times the approved and adopted water user rates for in town customers along with an administrative fee to cover the true cost of service. Furthermore, this rate will be established and adopted at the time of the water & sewer rates are approved by the Town Council and subsequent to legal review and any required Public Hearings.

Further discussion took place about tiered rates for bulk sales versus what local customers pay and concerns about bulk water users potentially paying less than current customers. Mayor Fraser and Council member Nave talked about the loss of revenue by not selling. Rob Lohr stated that if Council is comfortable allowing staff to continue, the rate projections will be before Council in March as part of the budget presentation.

Motion: Council member Nave
Second: Vice Mayor McConville
Carried: 5-0-1 Absent

Nave -	Aye
Lehr -	Aye
McConville -	Aye
McCollum -	Aye
Mayor -	Aye

DISCUSSION OF ITEMS PROPOSED FOR FUTURE PRESENTATIONS:

- a. None

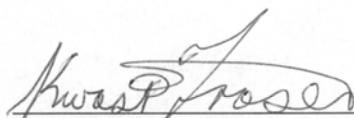
APPROVAL OF MINUTES:

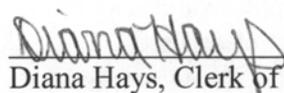
- a. January 12, 2016 Town Council Meeting

Council member McCollum made a motion that the minutes from January 12, 2016 wave reading. The motion was seconded by Council member Lehr. Council unanimously approved.

ADJOURNMENT:

Council member McCollum made a motion to adjourn the meeting at 10:09 p.m. The motion was seconded by Vice Mayor McConville. The motion passed unanimously.

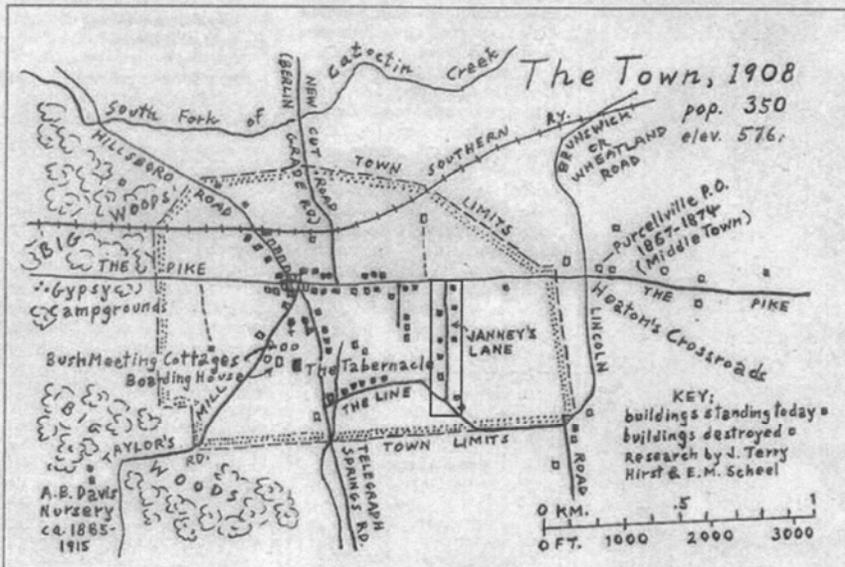

Kwasi A. Fraser, Mayor


Diana Hays, Clerk of Council

South 12th Street Improvements

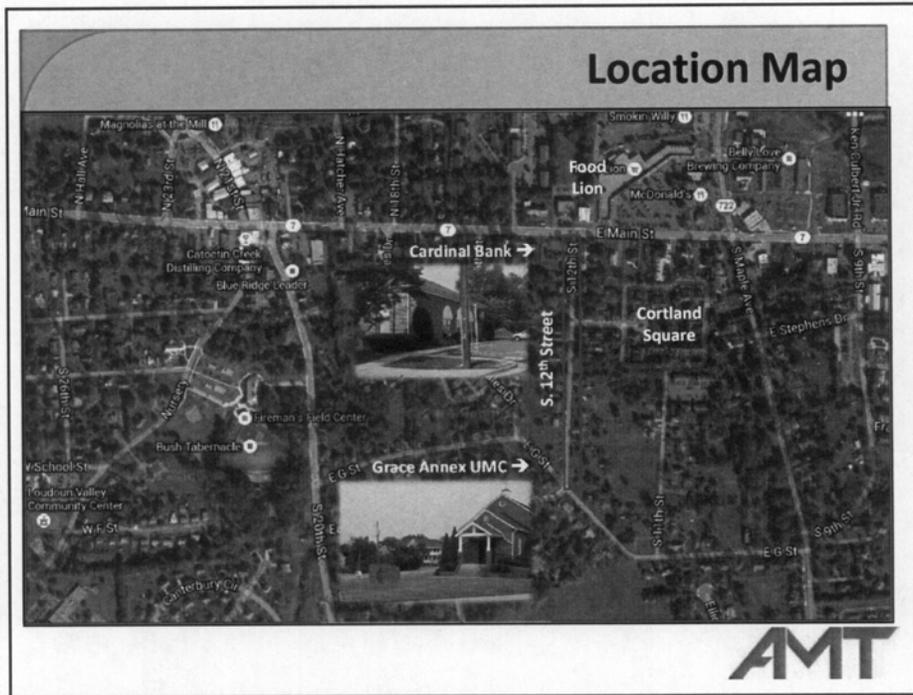


Engineering Study Results
February 2, 2016



Location Map



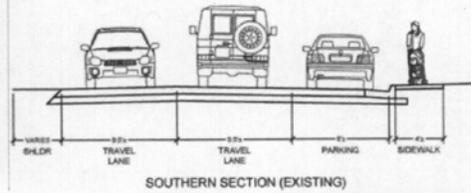
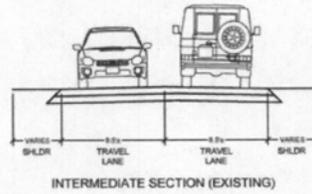
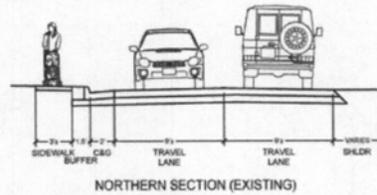


Transportation Safety

17'-20' Pavement Widths

- Narrow Travel Lanes
- Missing Curb & Gutter
- Inadequate Shoulders

On-Street Parking (Grace Annex United Methodist Church - UMC)

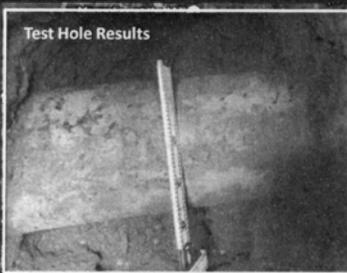


Pedestrian Accessibility

- Missing Sidewalks
- Narrow Sidewalks
- Damaged Concrete



Utility Issues



- 4" Water Main at Both Ends (6" Min. Req'd.)
- Sewer Condition Assessment (CHA)
 - Missing Sewer Cleanouts
 - Deficient Pipe Sections
- Less Than 10' Horiz. Separation (W&S)
- Less Than 18" Vert. Separation (W&S)



Drainage Issues



8 Low Points along Roadway and Damaged Cross Culvert
(Tracts 8, 10, 11, 12, 15, 19, 22 & 23)





Rear Yard Drainage Problems
(Mongle Silty Loam, 10B)

AMT

Option A (\$700,000)

Goal: Address Drainage Issues Only

Drainage Solution (No Stormwater Management):

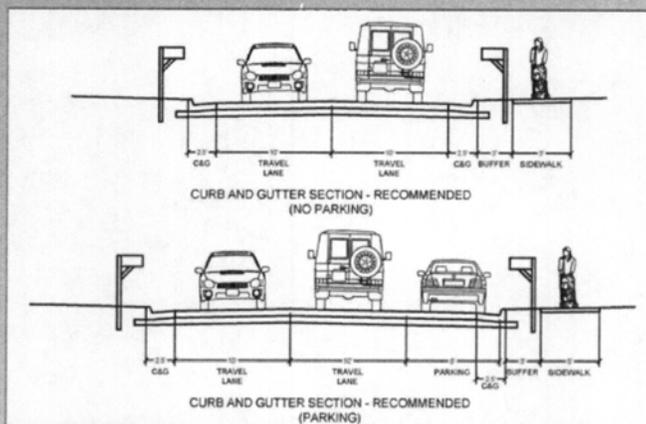
1. Main Street (Connect to Storm Drain System)
2. Courts of St. Francis (15" RCP)
3. East G Street (Roadside Ditch)
4. South 11th Street (Rear Yard Issues)

Property Issues = 13 Drainage Easements / no ROW's

AMT

Option B (\$2.1M)

Expanded Goals: Sidewalks, Utilities & Drainage



AMT

Option B (\$2.1M)

Lower Road Profile for Front Yard Drainage

Drainage and Stormwater Management:

1. Main Street (Manufactured Treatment Device - MTD)
2. Courts of St. Francis (15" RCP - No SWM Req'd.)
3. East E Street (Roadside Ditch / 2 Bioretention Basins)
4. South 11th Street (Rear Yard Issues - No SWM Req'd.)

Property Issues = 11 Drainage Easements + 19 ROW's

AMT

Option C (\$2.0M)

Variation of Option B, as follows:

- Retain Existing 36" W sidewalk at Main Street
- Eliminate Manufactured Treatment Device (at Main Street)
- Eliminate Outfall to the Courts of St. Francis
- Replace the Bioretention Basins (Grace Annex UMC / Ms. King) with Permeable Pavement in the On-Street Parking Spaces
- Add an Extended Detention Basin (S. 11th Street Outfall)

Property Issues =

9 Drainage Easements (2 less) + 14 ROW's (5 less)



Comparison of Results

Alt	Budget	Remarks
A	\$700,000	Addresses Drainage Issues Only
B	\$2,100,000	Addresses All Identified Issues (Sidewalks, Utilities, & Drainage)
C	\$2,000,000*	Reduces the Number of Property Impacts / Keeps 36" Sidewalk / Simplifies the Stormwater Management Plan versus Option B)



* Alternative "C" is recommended



Proposed Implementation Schedule

- *Engineering Studies – July 28, 2015 (6 Months)*
- *Recommendations – February 2, 2016*
- *The Next Steps:*

Homeowner Meetings – Spring-Summer 2016

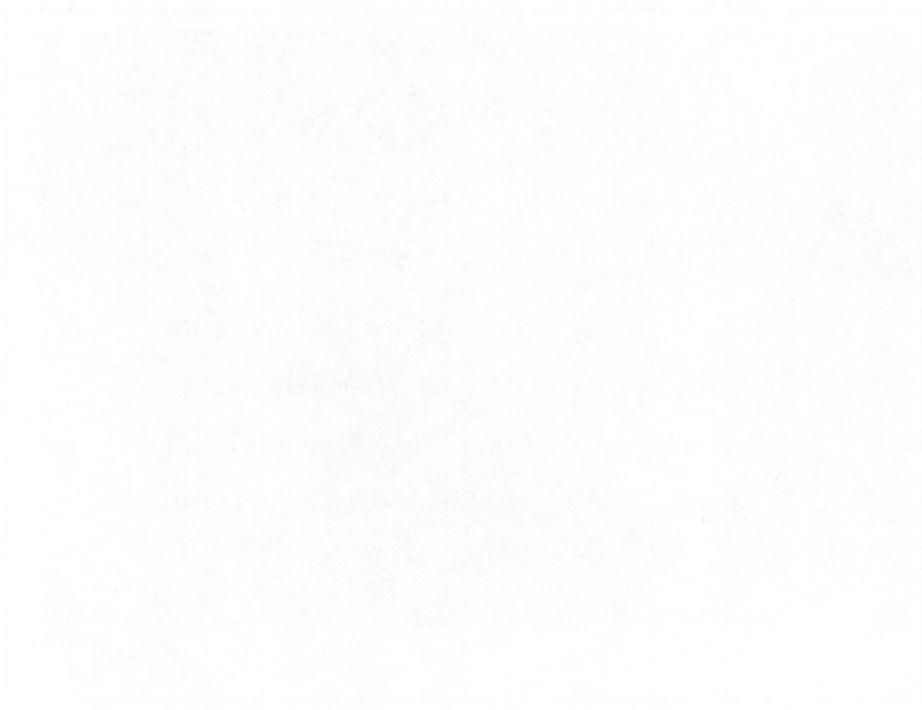
Water & Sewer Upgrades – Fall-Winter 2016

*Roadway & Drainage – Spring-Summer 2017**

** Depends on VDOT Revenue Sharing Funds*

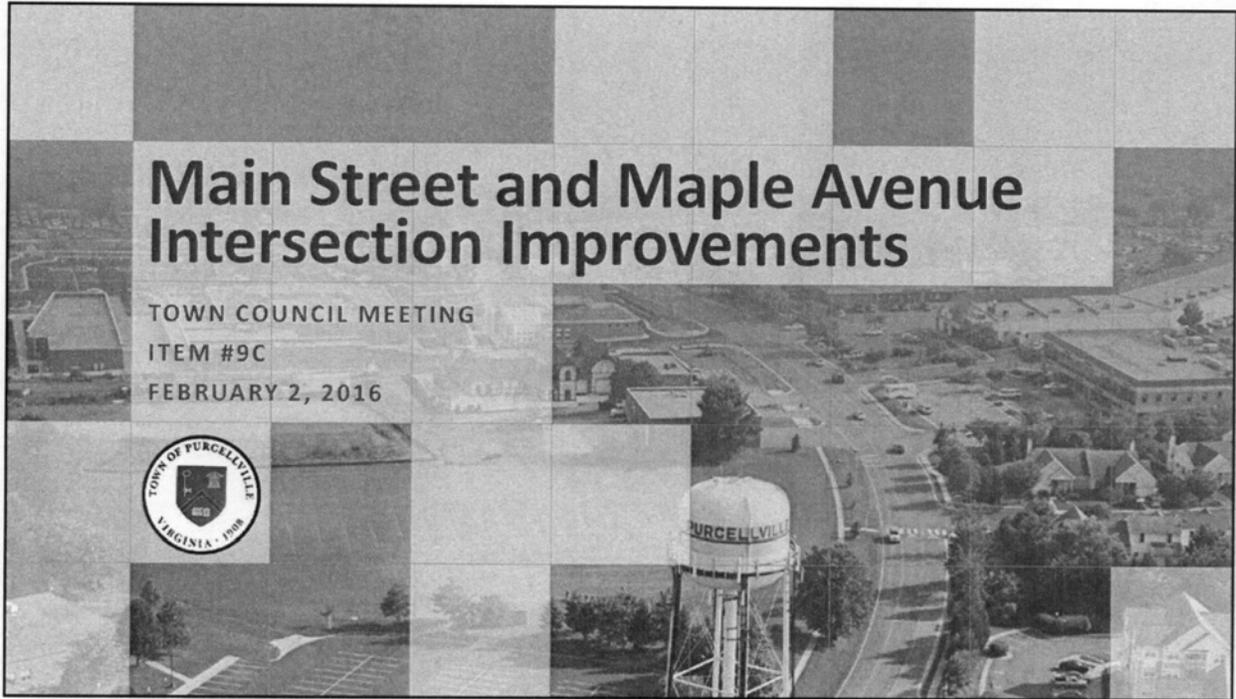
Project Budget = \$2,000,000

AMT



Main Street and Maple Avenue Intersection Improvements

TOWN COUNCIL MEETING
ITEM #9C
FEBRUARY 2, 2016



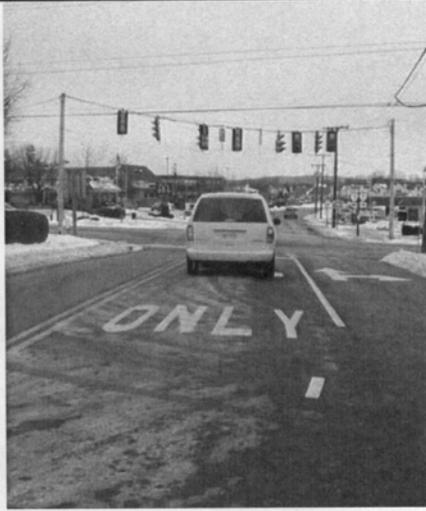
Main Street/Maple Avenue Intersection Improvements

- Background
- Analysis Summary
- Recommendations





Before



After (with new left-turn lane)

2004 – Short-term improvements implemented (restriping Maple Avenue for left-turn lanes)

2005 – Comprehensive Transportation Study identified preferred improvements

- Two public meetings and stakeholder involvement

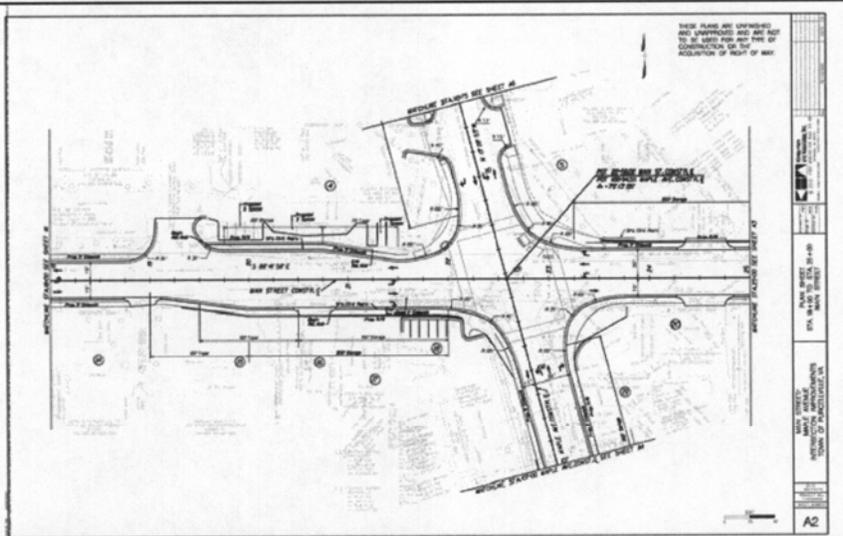
Background



2007 – Preliminary design plans completed for Intersection Improvements (adding right-turn lanes)

2008 – A NEPA document for the intersection improvements was completed and approved by the FHWA.

2010 – Community Meeting held to review plans



Background

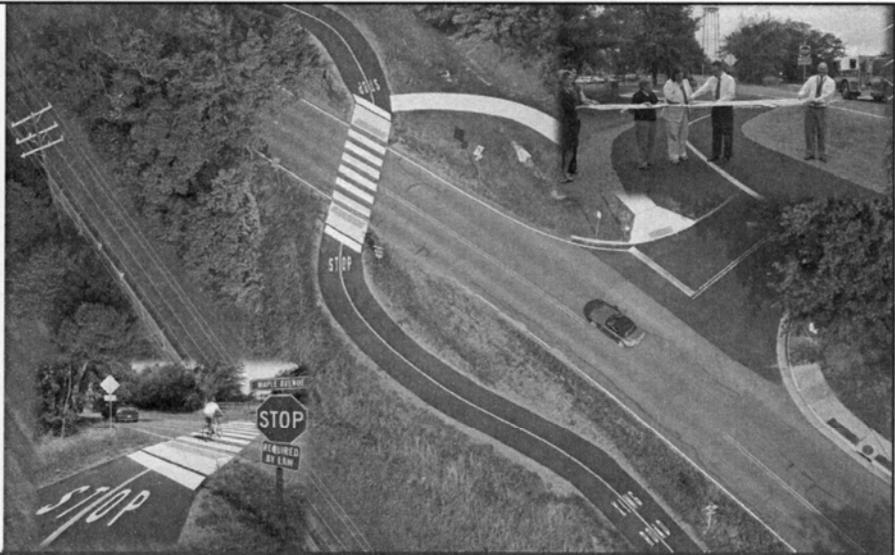


- 2011 – In January, conducted an Alternatives Analysis to examine eliminating one or more turn lanes.
- 2011 – In April, developed E. Main Street St Streetscape Master Plan
- 2011 – In July, held several meetings with the Folin Family (southeast corner) to eliminate northbound right-turn lane

Background



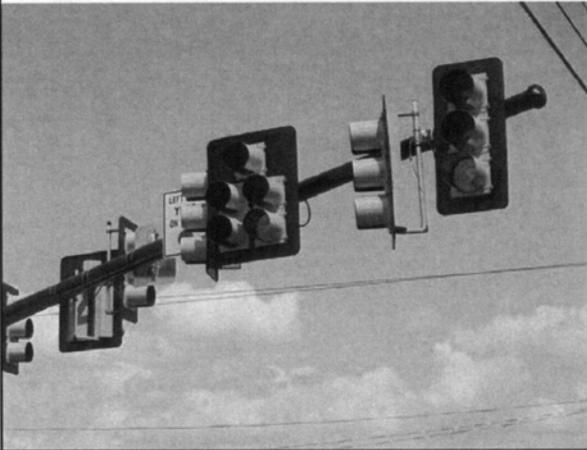
- 2012 – VDOT replaced traffic signal.
- 2012 – Multiuse Trail constructed along N. Maple Ave from E. Main St. to the Fire Station. The W&OD Trail crossing on N. Maple Avenue was upgraded as well.



Background



Traffic Operations Analysis



- Collaboration with VDOT
- Collected traffic and pedestrian counts
 - Saturday pedestrian counts
- Analyzed weekday AM and PM Peak Hours
- Evaluated the Signal Phasing and Timing Modifications for 5 Scenarios:
 1. Existing signal timings
 2. Leading Pedestrian Interval (LPI) across Main St.
 3. Exclusive Pedestrian Phase
 4. Permissive/protected Left-Turn (Green arrow) on Maple Ave.
 5. Scenarios 3 & 4 Combined

Traffic Operations Analysis

- Forecasted Year 2040 traffic volumes
 - Townwide Transportation Plan
 - Route 7/Route 690 Interchange Study
 - 2005 Study
- Assumes construction of Route 7/Route 690 interchange
- VDOT reviewed and approved volumes
- Evaluated the same 5 scenarios for Signal Phasing



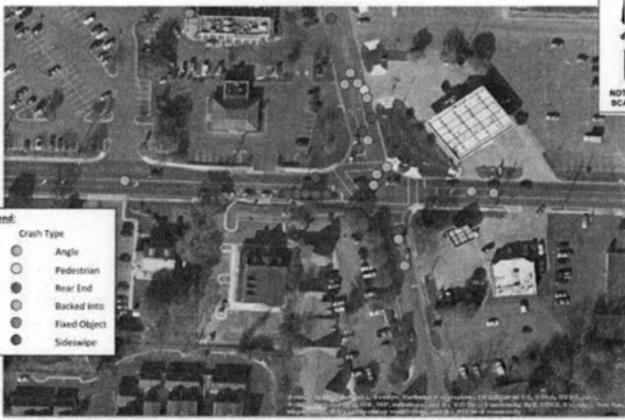
Traffic Operational Analysis

Level of Service Results from Synchro



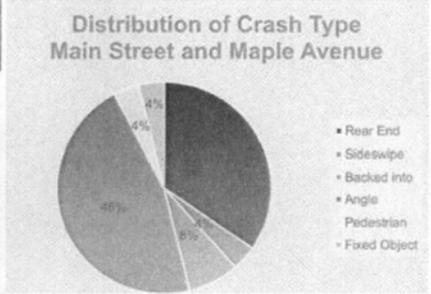
Year	Traffic Signal Phasing	AM Peak Hour LOS	PM Peak Hour LOS
2015	Existing Phasing	D	D
	w/Leading Pedestrian Interval across Main St.	D	D
	w/Exclusive Pedestrian Phase	F	F
	w/Permissive-Protected Left-Turn Phase for Maple Ave.	D	D
	Exclusive Pedestrian Phase and Permissive-Protected Left Turn Phase for Maple Ave.	F	F
2040	Existing Phasing	F	E
	w/Leading Pedestrian Interval across Main St.	F	E
	w/Exclusive Pedestrian Phase	F	F
	w/Permissive-Protected Left-Turn Phase for Maple Ave.	F	E
	Exclusive Pedestrian Phase and Permissive-Protected Left Turn Phase for Maple Ave.	F	F

Crash Location and Type (2012-2014)



All crashes resulted in property damage only. No injuries or fatalities were reported.

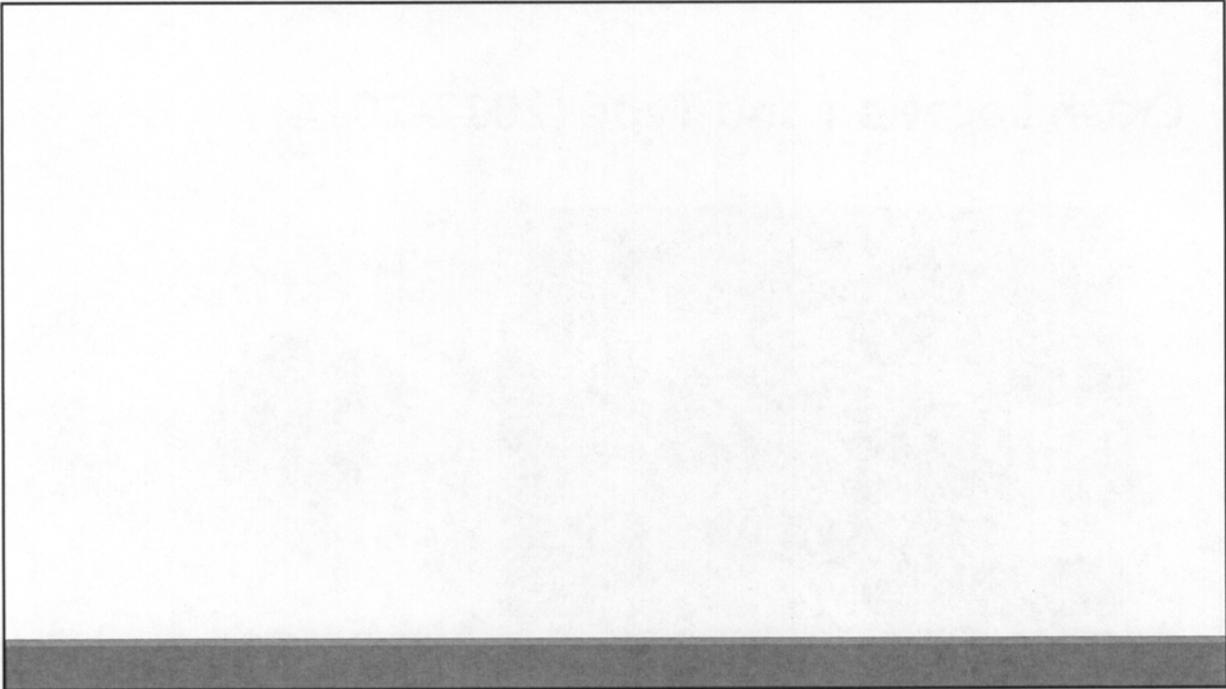
Distribution of Crash Type Main Street and Maple Avenue



Crash Type	Percentage
Rear End	49%
Sideswipe	25%
Backed into	10%
Angle	10%
Pedestrian	4%
Fixed Object	2%

Recommendations

- ✓ Implement a LPI signal interval for pedestrians crossing Main. St. (supported by VDOT)
- ✓ Complete missing sidewalk path along the NW corner of the intersection.
- ✓ Install mid-block crosswalk across Main St.
- ✓ Estimated cost is \$117,000 - \$150,000
- ✓ Consider driveway consolidation in future as redevelopment occurs
- ✓ Continue to advocate for the construction of the Route 7/Route 690 interchange



Next Steps

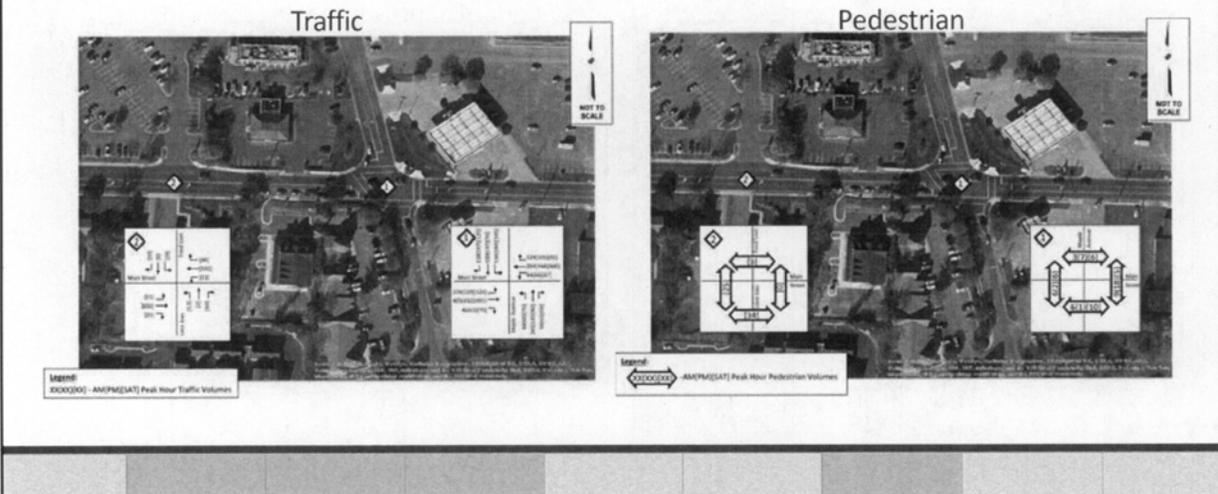


- If Council approves moving forward, the next steps are:
 - Design improvements
 - VDOT review and permitting
 - Construct improvements

Backup slides

Existing Peak Hour Counts

(Collected on 4/30/2015 & 5/2/2015)



Traffic Operational Analysis

LOS and Delay Results



Table 1: Main and Maple Intersection Level of Service and Delay for 2015 Existing and 2040 Forecast Traffic Volumes

Year	Traffic Signal Phasing	AM Peak Hour LOS (Delay)	PM Peak Hour LOS (Delay)	Notes
2015	Existing Phasing	D (42.5)	D (38.5)	
	with Leading Pedestrian Interval (LPI) for crossing Main Street	D (50.1)	D (42.8)	4 seconds taken from Maple Avenue phase for LPI
	with Exclusive Pedestrian Phase	F (144.8)	F (85.2)	28 seconds added to cycle (4 second walk, 21 second flash don't walk, and 3 second buffer)
	with Permissive/Protected Left Turn Phase for NB/SB Maple Avenue	D (50.6)	D (50.1)	15 seconds added to cycle, all for the NB and SB left-turn phases
2040	Exclusive Pedestrian Phase and Permissive/Protected Left Turn Phase for NB/SB Maple Avenue	F (82.3)	F (96.5)	28 seconds added to cycle for exclusive pedestrian phase and 15 seconds added to cycle for the NB and SB left-turn phases
	Existing Phasing	F (139.6)	E (71.8)	Phase splits adjusted for future volumes
	with Leading Pedestrian Interval (LPI) for crossing Main Street	F (142.4)	E (68.9)	4 seconds taken from Maple Avenue phase for LPI, remaining splits were adjusted to match splits for 2040 with existing phasing
	with Exclusive Pedestrian Phase	F (223.6)	F (119.8)	28 seconds added to cycle for the exclusive pedestrian phase and remaining splits were adjusted to match splits for 2040 with existing phasing
	with Permissive/Protected Left Turn Phase for NB/SB Maple Avenue	F (140.0)	E (75.9)	15 seconds added to cycle for the NB and SB left-turn phases and remaining splits were adjusted
	Exclusive Pedestrian Phase and Permissive/Protected Left Turn Phase for NB/SB Maple Avenue	F (192.6)	F (135.2)	28 seconds added to cycle for exclusive pedestrian phase and 15 seconds added to cycle for the NB and SB left-turn phases and remaining splits were adjusted to match splits for 2040 with permitted/protected left turn phase for NB/SB Maple Avenue

Traffic Operational Analysis

Queuing Results



Table 2: Main and Maple Intersection 95th Percentile Queues for 2015 Existing and 2040 Forecast Traffic Volumes (feet)

Year	Approach	Movement	Existing Phasing		with LPI		Ped Phase		Pm+Pt Maple Lefts		Ped Phase and Pm+Pt Maple Lefts	
			AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour
2015	Eastbound (Main Street)	Left	85	58	85	58	140	99	115	80	170	118
		Thru/Right	367	359	367	359	539	548	459	458	639	645
	Westbound (Main Street)	Left	25	34	25	34	41	57	34	47	49	69
		Thru/Right	335	465	335	465	505	710	427	598	581	#904
	Northbound (Maple Avenue)	Left	75	#124	76	#132	119	#212	78	85	107	111
		Thru/Right	282	185	283	185	#516	252	#418	225	#610	286
	Southbound (Maple Avenue)	Left	#227	#290	#235	#292	#404	#429	#183	#240	#288	#389
		Thru/Right	174	#373	176	#376	279	#562	232	#483	#332	#657
2040	Eastbound (Main Street)	Left	41	74	39	70	56	98	42	86	57	#117
		Thru/Right	#1177	#834	#1131	#792	#1511	#1129	#1239	#853	#1571	#1149
	Westbound (Main Street)	Left	#181	99	#171	77	#247	#173	#202	78	#267	#189
		Thru/Right	#579	#1105	#548	#1056	#798	#1449	559	#1144	#800	#1485
	Northbound (Maple Avenue)	Left	82	131	83	134	110	177	88	120	115	#178
		Thru/Right	349	181	353	183	477	239	#567	#302	#740	#395
	Southbound (Maple Avenue)	Left	#384	#368	#392	#375	#526	#501	#307	#327	#405	#444
		Thru/Right	90	287	92	290	127	377	128	378	162	#520

- 95th percentile volume exceeds capacity, queue may be longer.