

Town Council Members

Valerie Coffey – 2019 ~ Jerry Countryman – 2021 ~ Janet Critz – 2021

Lundeen Cureton – 2019 ~ Peggy Neill – 2019

Town of Mineral Springs
Mineral Springs Town Hall
3506 S Potter Road ~ Mineral Springs
Town Council
Regular Meeting
January 10, 2019 ~ 7:30 PM

Agenda

1. **Opening**

The meeting will be called to order, an invocation will be delivered and the Pledge of Allegiance will be recited.

2. **Public Comments**

The town council will hear comments from members of the public on any matters of interest to them during this ten-minute period.

3. **Consent Agenda**

- A. Correction of the November 8, 2018 Regular Meeting Minutes Page Numbers from 32–44 to 38–50
- B. December 13, 2018 Public Hearing / Regular Meeting Minutes
- C. November 2018 Tax Collector's Report
- D. November 2018 Finance Report

4. **Presentation by Bjorn Hansen on the Critical Intersection Study**

Union County Transportation Planner Bjorn Hansen will make a presentation on the critical intersection study that has been done and discuss plans to begin an update process.

5. **Staff Updates**

The staff will update the council on any developments that may affect the town.

6. **Other Business**

7. **Adjournment**

Town of Mineral Springs
Town Hall
3506 S. Potter Road
Town Council
Public Hearing / Regular Meeting
December 13, 2018 ~ 7:30 PM

Minutes Draft

The Town Council of the Town of Mineral Springs, North Carolina, met in Public Hearing and Regular Session at the Mineral Springs Town Hall, Mineral Springs, North Carolina, at 7:30 p.m. on Thursday, December 13, 2018.

Present: Mayor Frederick Becker III, Mayor Pro Tem Bettylyn Krafft, Councilwoman Valerie Coffey, Councilwoman Janet Critz, Councilwoman Peggy Neill, Town Clerk/Zoning Administrator Vicky Brooks, and Deputy Town Clerk Janet Ridings.

Absent: Councilman Jerry Countryman, Councilwoman Cureton and Attorney Bobby Griffin.

Visitors: William Mathers.

With a quorum present Mayor Frederick Becker called the Regular Town Council Meeting of December 13, 2018 to order at 7:33 p.m.

1. **Opening**

- Councilwoman Critz delivered the invocation.
- Pledge of Allegiance.

2. **Public Hearing – Vyas Voluntary Annexation**

- Mayor Becker opened the public hearing at 7:34 p.m. and explained this was the annexation petition submitted by Suresh and Rita Vyas on tax parcel #06-081-007A and 06-081-007B. For the record, the applicants weren't present, but Mr. Mathers, their realtor, was there representing them.
- William Mathers – *“My name is Bill Mathers. I am the owner of Mathers Realty. I have about 87 agents that work for me, but the owners of the property, Mr. and Mrs. Vyas, have asked me to just come down here tonight to answer any questions you might have. It is their intention of wanting the annexation because part of their property is in Mineral Springs already and the other part is in Union County and although they have never done it before, they originally bought the property thinking they'd build their own home on it, but things have changed in their life, so now Mr. Vyas decided he might want to maybe develop it and build a few homes on it and quite frankly, they are in a position where they have never done anything like this, which is how I ended up helping them. I have been in the real estate business 47 years and right now I am working with three different developers and builders to do exactly the same thing in different parts of Charlotte. You'll find I'm not one of these*

people, when I work for somebody, I tell them they're going to follow the rules and I'm not going to let them do anything you guys don't want done out here. I don't play those games with people. They do know about your 30% barriers and they are okay with it, but I am sure I will be back in a couple of months and they are going to at least ask for a change in zoning because across the street there is the R40 or something, which you don't have to have the barriers, but I will be honest with you, I have already told the mayor and Ms. Brooks this, I would prefer you guys not approve and let them do it the right way, because there is a real strong possibility with my son-in-law and daughter just closing on their house on McNeely, that in the next couple of years I am going to be moving out here. My wife wants to be closer to them because they are going to start having kids. I'll be getting closer to retirement, so I can see that even happening. You guys have got a great community and we are going to follow whatever rules you have, and I know that. For some reason, they got a hold of me and we have a lot of friends that are in common and I've been working with them now for almost a year, because they weren't sure what they were going to do. They also have another property in Mecklenburg County, which they decided to lay out their own diagrams and I told them "you can't do that, because we will get approval for the counties" and then I'm also working with the developers to build some lots right behind the Old Sycamore Golf Course. I've got another developer and builder; he's in the process of developing about 15 lots up in the Mint Hill area. But I have been doing this for a long time and all I'm here today is to answer any questions you have. The first thing they wanted to do is ask for the annexation."

- With no further speakers, Mayor Becker closed the public hearing at 7:38 p.m.

3. **Public Comments**

- There were no public comments.

4. **Consent Agenda**

- **Councilwoman Coffey** made a **motion** to approve the consent agenda as presented containing the following:

- A. November 8, 2018 Regular Meeting Minutes
- B. October 2018 Tax Collector's Report
- C. October 2018 Finance Report

and **Councilwoman Krafft** seconded. The motion passed unanimously as follows:

Ayes: Coffey, Critz, Krafft and Neill
Nays: None

5. **Consideration of Adopting an Ordinance on the Voluntary Annexation**

- Mayor Becker noted the ordinance was in the agenda packet and it was the next step in the annexation. Mayor Becker explained this ordinance had the exact same language as the ordinance the council adopted when Alan and Gwen Gardner annexed their farm into Mineral Springs, with the names, parcel ID numbers and map being changed. The map will become part of the ordinance, which ends up going to

the county and to the Secretary of State. Mayor Becker noted this was a legislative decision (not quasi-judicial), so the council can approve this ordinance and the effective date of the ordinance will be today.

- **Councilwoman Coffey** made a **motion** to approve the ordinance of the voluntary annexation for the Vyas property duly noted as item #5 on our agenda and **Councilwoman Neill** seconded. Mayor Becker pointed out the stuff in the public hearing section of the agenda packet contained the certification from Clerk Brooks of the sufficiency. Mayor Becker wanted to make that part of the record; the sufficiency has been determined that the petition met the requirements of the statute and Ms. Brooks has certified that. *The motion passed unanimously as follows:*

Ayes: Coffey, Critz, Krafft and Neill

Nays: None

6. Consideration of Reappointing Planning Board Members

- Ms. Brooks noted she had done a memo and explained Bettylyn Krafft and Richard Helms have agreed to serve another three-year term should the council find that positive. Michael Rutland has stated that he will not be going up for another three-year term, which leaves the council needing to appoint another planning board member. Ms. Brooks gave the council a little back history. In February of 2017, the council increased the size of the planning board by two. In March of 2017, there were five applicants for those two spots and the council appointed Barbara Ballew and Jim Muller. Richard Helms took the place of Donna Sherrin, who had recently resigned. As Ms. Brooks recalled, the council said Michael Rutland and Sharon Carter would be on the list, because they were two of the five. In August of 2017, the council appointed Michael Rutland because he was next in line. Now that it is December of 2018, Ms. Brooks wanted to know what the council wanted to do. Do they want to pick up from that 2017 list or do they want to start fresh? Ms. Brooks noted there was a planning board applicant on file that she received about a year ago from Renee Helms, who is Richard Helms sister. Ms. Brooks didn't know if the council wanted that many family members on their planning board.
- Councilwoman Critz mentioned that it had been brought to her attention that Barbara Ballew had not been participating as a planning board member. Ms. Brooks responded, she was back, there was a spell where she was not, because she had something to do with her kids. Councilwoman Krafft also responded, she was back, there was two or three months of sabbatical, because of some things. Ms. Brooks added that was a year ago. Councilwoman Critz stated she would like to see the town start fresh, because we've got people in the community that are newly involved, it might be a good idea. Mayor Becker commented if the most recent applicant on the list was a year old and Sharon Carter is from two years ago. Councilwoman Krafft agreed it would be a good idea to put new feelers out there to see who is interested. We've had a lot of people come and go. Councilwoman Neill agreed with a new list. Mayor Becker asked how the town would publicize that we are looking. Councilwoman Krafft asked when the next newsletter was going out. Councilwoman Coffey suggested the website. Mayor Becker commented the town has been known to send out a newsletter in January or February and asked Ms.

Brooks if we had enough for one, without an insert. Ms. Brooks responded, definitely without an insert.

- **Councilwoman Krafft** made a **motion** that Ms. Brooks work on a newsletter to come out sometime in the month of January or February with advertising for the planning board spot available. Mayor Becker commented there was a motion to re-advertise the position, we may get the same two applicants, then we'll know they really want to do it, but we'll get some new ones maybe. **Councilwoman Coffey** seconded the motion made by Councilwoman Krafft. The motion passed unanimously as follows:

Ayes: Coffey, Critz, Krafft and Neill

Nays: None

- Mayor Becker asked the council if they want to entertain a motion to reappoint Bettylyn Krafft and Richard Helms to a three-year term.
- **Councilwoman Critz** made a **motion** to reappoint Bettylyn Krafft and Richard Helms to a three-year term on the planning board and **Councilwoman Neill** seconded. The motion passed unanimously as follows:

Ayes: Coffey, Critz, Krafft and Neill

Nays: None

- Mayor Becker commented the planning board was kind of set except for that one opening, which the council will get taken care of at the March meeting depending on the response we receive.

7. Consideration of Establishing a Steering Committee and Appointing Members

- Mayor Becker noted Ms. Brooks almost had the steering committee filled and asked if there was a problem or if Michael Rutland was staying on the board of adjustment. Ms. Brooks responded, he was staying on that. Councilwoman Critz pointed out there were three planning board members [on the list shown in the agenda packet memo] and only two spots. Councilwoman Critz asked if any of the three have said it's not a big deal to them or if they really want to do it. Councilwoman Neill asked why we couldn't have three. Mayor Becker commented the council could amend their definition of the steering committee. Ms. Brooks commented they could because they haven't established it yet, so if that is what they wanted to do. Mayor Becker commented the council said make it two of each, but since they haven't appointed the people, they could take all three of them. Mayor Becker asked Ms. Brooks if they had ascertained that three council members sitting on a committee is not a quorum with the six plus the mayor. There could be Councilwoman/Planning Board Chairperson Bettylyn Krafft, Councilwoman Coffey, Councilman Countryman serving on a non-town council committee without constituting a quorum of the town council. Ms. Brooks pointed out if they have Jim Muller, Richard Helms, Bettylyn Krafft, and Barbara Ballew it would be four planning board members, which is a quorum of the planning board. Councilwoman Coffey suggested going with the oldest members on the planning board serving on this committee; let that be the way to eliminate the newer member. Councilwoman Critz noted they have more experience. Ms. Brooks noted Richard Helms and Barbara Ballew were appointed

on the same night, Barbara was appointed right before Richard, so in theory that doesn't work. Councilwoman Coffey asked which one had the best attendance. Ms. Brooks and Councilwoman Krafft both responded, "Richard". Councilwoman Coffey suggested eliminating the person that doesn't have the best attendance at meetings. Councilwoman Critz agreed, because you want someone that's really going to be there. Mayor Becker stated the worst attendance is Barbara. Councilwoman Coffey responded, at this time, it appears that there is more of a deficit in attendance with Ms. Ballew than there is with Mr. Helms. Ms. Brooks explained that the council needed to establish the steering committee for the purpose of reviewing the zoning and subdivision ordinances with Benchmark and then appoint the members to that committee.

- **Councilwoman Critz** made a **motion** to establish the steering committee appointing Councilman Countryman and Councilwoman Coffey from the town council, Jim Muller and Michael Rutland from the board of adjustment, and Richard Helms and Chairperson Krafft from the planning board and **Councilwoman Neill** seconded. Mayor Becker mentioned that Michael Rutland would be rotating off the planning board in January. Ms. Brooks responded, he is on the board of adjustment. Mayor Becker commented, "right", then he won't be a planning board member, so there won't be four planning board members. Ms. Brooks responded, yes you would have if you would have kept Barbara Ballew in there, because Jim Muller also serves on the planning board. Mayor Becker hoped Ms. Ballew understood that we really couldn't take all three because we really couldn't have a quorum of the planning board. Councilwoman Critz asked if there were interested planning board members or town council members that wanted to just sit in on a meeting or two, would it be a problem. Mayor Becker responded, they are public meetings. Ms. Brooks responded, you can sit at the meeting, but you can't participate. Councilwoman Critz asked if it would be fine, even though it would constitute a quorum, as long as they didn't participate. Ms. Brooks responded, to be on the safe side she would go ahead and advertise the possibility of a quorum just to always be covered. Councilwoman Neill stated, "you are not making decisions, you are just there". Mayor Becker explained Ms. Brooks can just advertise a possible quorum by posting it on the [bulletin] board and website, it doesn't have to be advertised in the paper. Ms. Brooks noted that she does advertise the possibility of a quorum at things like the festival, because they are all on site. just to cover them. Mayor Becker called for a vote on the motion by Councilwoman Critz. The motion passed unanimously as follows:

Ayes: Coffey, Critz, Krafft and Neill
Nays: None

8. **Consideration of the 2019 Town Hall Holiday Schedule**

- Mayor Becker pointed out the proposed 2019 holiday schedule.
- **Councilwoman Coffey** made a **motion** to adopt the 2019 Town Hall Holiday Schedule and **Councilwoman Kraft** seconded. The motion passed unanimously as follows:

Ayes: Coffey, Critz, Krafft and Neill

Nays: None

9. **Staff Reports**

- Ms. Brooks informed the council the new plotter arrived and staff was excited about it. Mayor Becker explained the company staff dealt with was Duncan Parnell. Staff didn't just order online, nor did they buy one of the two that were suggested by him. We actually got a much better one, because rather than just looking for the cheapest one online, we called somebody in the business and they had a huge promotion on this new model that is much more full-featured. Mayor Becker told the salesman, "we have a hard cap of \$6,000" and he said he could make that work. The new plotter is a Canon. It is like the next model up with many more features than the [other] Canon, which was one of the two that were looked at online [presented to the council]. Duncan Parnell managed to get us a really nice one. The technician spent half of a day on the installation. Ms. Brooks noted they took the old plotter away. Mayor Becker explained it was considered a trade-in, because that was part of the promotion from Canon; they wanted the serial number of a machine you were taking out of service from a competitor.

10. **Other Business**

- There was no other business.

11. **Adjournment**

- **Councilwoman Coffey** made a **motion** to adjourn and **Councilwoman Critz** seconded. The motion passed unanimously as follows:

Ayes: Coffey, Critz, Krafft and Neill

Nays: None

- The meeting was adjourned at 7:58 p.m.
- The next regular meeting will be on Thursday, January 10, 2019 at 7:30 p.m. at the Mineral Springs Town Hall.

Respectfully submitted by:

Vicky A. Brooks, CMC, NCCMC, Town Clerk

Frederick Becker III, Mayor

NOVEMBER 2018
TOWN OF MINERAL SPRINGS
PERCENTAGE REPORT

NOVEMBER 30, 2018 REGULAR TAX	2018	2017	2016	2015	2014	2013	2012
BEGINNING CHARGE	67,446.06	65,379.46	61539.29	62154.4	64,338.55	64,894.00	66,094.83
TAX CHARGE							
PUBLIC UTILITIES							
DISCOVERIES							
NON-DISCOVERIES	0.45						
RELEASES	(155.82)						
TOTAL CHARGE	67,290.69	65,379.46	61,539.29	62,154.40	64,338.55	64,894.00	66,094.83
BEGINNING COLLECTIONS	12,659.44	65,032.34	61251.72	61947.86	64,166.64	64,794.27	66,028.57
COLLECTIONS - TAX	23,771.44	4.58	10.95	26.05	5.22		
COLLECTIONS - INTEREST		1.24		0.45	0.66		4.04
TOTAL COLLECTIONS	36,430.88	65,036.92	61,262.67	61,973.91	64,171.86	64,794.27	66,028.57
BALANCE OUTSTANDING	30,859.81	342.54	276.62	180.49	166.69	99.73	66.26
PERCENTAGE OF REGULAR	54.14%	99.48%	99.55%	99.71%	99.74%	99.85%	99.90%
COLLECTION FEE 1.5 %	356.57	0.09	0.16	0.40	0.09	-	0.06

Mineral Surveys Prior Years Report
November 2018

November 30, 2018	2011	2010	2009		
BEGINNING CHARGE	\$64,878.42	\$64,737.60	\$63,911.13		
PUBLIC UTILITIES	\$1,319.20	\$1,251.60	\$1,218.28		
MINIMAL RELEASES	(\$145.21)	(\$152.88)	(\$157.18)		
DISCOVERIES	\$61.82	\$321.61	\$46.46		
ABATEMENTS (RELEASES)	(\$301.25)	(\$473.88)	(\$136.74)		
TOTAL CHARGE	\$65,812.98	\$65,684.05	\$64,881.95		
PREVIOUS COLLECTIONS	\$65,722.65	\$65,599.00	\$64,765.62		
PREVIOUS BALANCE DUE	\$90.33	\$85.05	\$116.33		\$291.71
COLLECTIONS - TAX					\$0.00
COLLECTIONS - INTEREST/FEES					\$0.00
GROSS MONTHLY COLLECTIONS					\$0.00
MISC. ADJUSTMENTS					
TOTAL TAX COLLECTED TO DATE	\$65,722.65	\$65,599.00	\$64,765.62		
BALANCE OUTSTANDING	\$90.33	\$85.05	\$116.33		\$291.71
PERCENTAGE COLLECTED	99.86%	99.87%	99.82%		

Mineral Springs Unpaid Property Taxes - Real and Personal as of November 30, 2018

Name	Tax Map Number	2011	2010	2009	Total
BOND, CELESTE B	06054063			\$27.92	
CAROLINA STREET SUPPLY	50103059		\$6.88		
CAROLINA STREET SUPPLY, SHEPPARD JONATHAN	848391	\$6.88			
COOMBER CUSTOM MASONRY LLC	1812652	\$10.44			
D'AMICO, JAMES L	06054024	\$27.68	\$27.68	\$27.68	
DUNCAN, ROBERT W	50100863			\$2.63	
ELLIOTT, JAMES EDWARD & MARIO JAMES ELLIOTT &	06060006E	\$24.00	\$24.00	\$24.00	
EPIC REALTY GROUP INC	50094704			\$10.46	
FATHER & SON PAINTERS	50093623		\$2.41	\$2.09	
MATHENY, VERNA	455325	\$2.22			
METHENY, VERNA	50094323		\$2.22	\$2.44	
ROBERTO BONILLA CUSTOM FRAMING	50104497		\$2.75		
WILLIAMS, RUTH & HUSBAND J C WILLIAMS	05033179	\$19.11	\$19.11	\$19.11	
Total		\$90.33	\$85.05	\$116.33	\$291.71

Town of Mineral Springs

FINANCE REPORT November 2018

Prepared for:

The Mineral Springs Town Council

By:

Frederick Becker III
Finance Officer

January 10, 2019

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Cash Flow Report 2018 TD

1/1/2018 through 11/30/2018

12/01/2018

Page 1

Category

1/1/2018
11/30/2018

INCOME

Interest Income	005.80
Other Income	
Company Charges	2.00
Estimated 2018	
Sponsor	1250.00
Endor	55.00
TOTAL Estimated 2018	1005.00
Conin	111.02
TOTAL Other Income	2820.02
Year 2018	
Receipts 2018	
Tax	5812.08
TOTAL Receipts 2018	5812.08
TOTAL Year 2018	5812.08
Year 2017	
Receipts 2017	
Int	0.22
Tax	20.02
TOTAL Receipts 2017	21.00
TOTAL Year 2017	21.00
Year 2016	
Receipts 2016	
Int	5.00
Tax	0.00
TOTAL Receipts 2016	5.00
TOTAL Year 2016	5.00
Year 2015	
Receipts 2015	
Int	11.02
Tax	0.02
TOTAL Receipts 2015	11.04
TOTAL Year 2015	11.04
Year 2014	
Receipts 2014	
Int	0.50
Tax	0.20
TOTAL Receipts 2014	0.80
TOTAL Year 2014	0.80
Year 2013	
Receipts 2013	
Int	0.00
Tax	102.05
TOTAL Receipts 2013	102.05
TOTAL Year 2013	102.05
TOTAL Year Prior Years	111.02
Sales Tax	
Sales & Use Dist	580.02
TOTAL Sales Tax	580.02

Cash Flow Report 2018 TD

1/1/2018 through 11/30/2018

12/31/2018

Page 2

Category	1/1/2018 11/30/2018
Debit	
Int 2018	1,000.00
Tax 2018	2,000.50
TOTAL Debit	2,020.50
TOTAL INCOME	20,057.74
EXPENSES	
Fees	1,000.00
Attorney	2,100.50
Audit	850.00
Community	
Greenback	25.00
Maint	1,002.10
Newsletter	
Post	10.55
Printin	500.52
TOTAL Newsletter	511.07
Cars & Re	
Car	801.50
TOTAL Cars & Re	801.50
Special Items	
Esti	820.80
Services	1,000.00
TOTAL Special Items	1,820.80
TOTAL Community	12,500.22
Benefits	
Dental	100.00
Life	200.00
NCLORS	5,208.00
Vision	100.00
TOTAL Benefits	5,608.00
Bond	550.00
IC	
Med	1,000.00
Social Sec	1,100.01
TOTAL IC	2,100.01
Carroll	88.85
Unemp	80.02
Work Comp	2,100.11
TOTAL	1,267.03
Office	
Clerk	15,120.00
Council	500.00
Deputy Clerk	1,000.00
Dues	500.00
Fuel	1,000.00
Finance Officer	
Regular	1,000.50
TOTAL Finance Officer	1,000.50
Ins	1,000.50

Cash Flow Report 2018 TD

1/1/2018 through 11/30/2018

12/01/2018

Page 1

Category	1/1/2018 11/30/2018
Maint	
Materials	50000
Service	110000
TOTAL Maint	160000
Major	200000
Cost	00000
Records	80000
Supplies	110080
Tel	51000
Util	100000
TOTAL Office	400080
Personnel	
Administration	
Salaries	1000000
TOTAL Administration	1000000
Misc	8000
Ordinance Changes	35000
TOTAL Personnel	1850000
Street Lighting	00000
Tax Coll	
Contract	10100
Sal	25000
TOTAL Tax Coll	10100
Training	
Officials	10028
Staff	8500
TOTAL Training	102228
Travel	100000
TOTAL EXPENSES	119,100.58
TRANSFERS	
FROM MM SavingsSterling	21000000
TO County Min Socs	1000000
TO South State CD	2000000
TOTAL TRANSFERS	0.00
OVERALL TOTAL	-99,042.84

Account Balances Historical Report as of 11/30/2018

Includes unrealized gains

12/31/2018

Page 1

Account	12/31/2018 Balance	11/30/2018 Balance	11/01/2018 Balance	8/31/2018 Balance	7/31/2018 Balance	10/31/2018 Balance	11/30/2018 Balance
ASSETS							
Cash and Bank Accounts							
Ceiling Min SAs	1,180.00	1,180.00	11,222.00	850.88	1,010.00	551.50	1,100.02
Money Market Accounts	21,220.01	21,200.05	21,200.00	21,252.88	21,200.80	21,200.00	21,200.18
MM Savings - Sterling	8,008.00	10,000.02	558.82	0.00	1,000.02	882.00	1,000.02
NCCMT Cash	2,250.08	2,282.00	2,281.00	2,285.28	2,288.00	2,220.00	2,200.00
South State CD	0.00	0.00	0.00	200,000.00	200,000.00	200,000.00	200,000.01
TOTAL Cash and Bank Accounts	769,851.45	770,200.51	734,306.71	718,424.93	760,526.27	747,997.49	731,596.16
Other Assets							
State Revenues Receivable	0.00	1,000.00	58,000.00	5,821.50	0.00	0.00	0.00
TOTAL Other Assets	0.00	61,440.37	58,704.79	56,821.56	0.00	0.00	0.00
TOTAL ASSETS	769,851.45	831,640.88	793,011.50	775,246.49	760,526.27	747,997.49	731,596.16
LIABILITIES							
Other Liabilities							
Accounts Payable	2.00	1,000.00	2.00	2.00	2.00	2.00	2.00
Loans	21,887.76	22,889.64	21,887.76	21,887.76	21,887.76	21,887.76	21,887.76
TOTAL Other Liabilities	21,887.76	22,889.64	21,887.76	21,887.76	21,887.76	21,887.76	21,887.76
TOTAL LIABILITIES	21,887.76	22,889.64	21,887.76	21,887.76	21,887.76	21,887.76	21,887.76
OVERALL TOTAL	747,963.69	808,751.24	771,123.74	753,358.73	738,638.51	726,109.73	709,708.40

Mineral Services Budget Comparison 2018-2019

TOWN OF MINORCL SERVICES									
BUDGET COMPARISON 2018-2019									
Appropriation dept	Budget	Unspent	Spent YTD	% of Budget	July	August	September	October	November
Advertising	1,800.00	1,000.00	1,000.00	55.6%	0.00	1,000.00	0.00	0.00	0.00
Attorney	200.00	0.00	210.50	105.3%	00.00	00.00	00.50	00.00	00.00
Audit	850.00	0.00	850.00	100.0%	0.00	0.00	0.00	0.00	850.00
Charities & Agencies	10,000.00	10,000.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00
Community Projects	2,000.00	1,522.28	12,500.02	625.0%	0000.55	1,200.00	0,258.00	2,200.00	0,500.00
Continence	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00
Employee Overtime	28,500.00	15,281.11	1,218.00	4.3%	828.00	2,000.80	2,080.00	2,121.88	2,125.82
Electricity	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00
Fire Protection	12,000.00	12,000.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00
Office & Administrative	1,000.00	800.00	0.00	0.0%	2,000.82	0.00	10,200.00	10,221.88	0.00
Planning & Zoning	5,000.00	0.00	18,500.00	370.0%	0.00	1,000.00	2,000.00	2,800.00	5,000.00
Street Lighting	2,000.00	1,500.00	0.00	25.0%	0.00	1,000.55	1,558.00	11,000.00	11,000.00
Tax Collection	2,050.00	2,058.80	0.00	100.0%	50.00	800.00	0.00	0.00	100.00
Training	0.00	1,000.00	1,022.28	100.0%	55.00	08.00	08.00	1,000.00	0.00
Travel	0.00	2,800.00	1,000.00	200.0%	820.00	850.00	0.00	0.00	0.00
Capital Outlay	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	0.00
Totals	\$ 349,990.00	\$ 230,889.42	\$ 119,100.58	34.0%	\$ 38,716.84	\$ 20,770.55	\$ 18,510.74	\$ 18,262.87	\$ 22,839.58
Off Budget:									
Tax Refunds					0.00	0.00	0.00	0.00	0.00
Interfund Transfers					0.00	0.00	0.00	0.00	0.00
Total Off Budget:			\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

Mineral Services Monthly Revenue Summary 2018-2019

TOWN OF MINORAL SERVICES									
REVENUE SUMMARY 2018-2019									
Source	Budget	Receivable	Rec'd YTD	% of Budget	July	August	September	October	November
Proportional Tax Prior	1,000.00	808.11	1,112.00	111%		0.00	0.25	28.25	111.20
Proportional Tax 2018	0.00	0.00	5,812.08	812%			1,001.00	15,000.00	2,000.00
Duplicate Proportional Tax									
Fund Balance Prior									
Gross Receipts Tax									
Interest	1,800.00	1,058.00	1,058.00	182%	5,000.00	0.00	0.00	521.00	1,000.80
Sales Tax Electricity	20,000.00	20,000.00		0%					
Sales Tax Sales & Use	22,100.00	1,200.80	5,800.02	200%			2,058.11	1,802.00	1,000.05
Sales Tax Other Util	25,000.00	25,000.00		0%					
Sales Tax Other Be	1,100.00	1,100.00		0%					
Real Estate Taxes	0.285	52.10	2,020.00	208%		1.25	0.50		511.80
Donations	0.00	1,880.08	1,110.02	111%	0.00	0.00	0.00	225.00	25.00
Other	0.00	1,200.00	1,000.00	500%	5.00	1,800.00	2.00	2.00	
Totals	\$ 349,990.00	\$ 329,932.26	\$ 20,057.74	5.7%	\$ 1,089.34	\$ 3,005.54	\$ 3,790.52	\$ 5,734.09	\$ 6,438.25
	December	January	February	March	April	May	June	June a/r	
Proportional Tax Prior									
Proportional Tax 2018									
Duplicate Proportional Tax									
Fund Balance Prior									
Gross Receipts Tax									
Interest									
Sales Tax Electricity									
Sales Tax Sales & Use									
Sales Tax Other Util									
Sales Tax Other Be									
Real Estate Taxes									
Donations									
Other									
Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

November 2018 Cash Flow Report November 2018

11/1/2018 through 11/30/2018

12/31/2018

Page 1

Category

11/1/2018
11/30/2018

INCOME

Interest Income	1,000.80
Other Income	
Conin	25.00
TOTAL Other Income	25.00
Year Total 2018	
Receipts 2018	
Tax	2,000.00
TOTAL Receipts 2018	2,000.00
TOTAL Year Total 2018	2,000.00
Year Total Prior Years	
Year Total 2017	
Receipts 2017	
Int	5.00
Tax	0.00
TOTAL Receipts 2017	5.00
TOTAL Year Total 2017	5.00
Year Total 2016	
Receipts 2016	
Int	0.22
Tax	0.08
TOTAL Receipts 2016	0.20
TOTAL Year Total 2016	0.20
Year Total 2015	
Receipts 2015	
Int	0.00
Tax	1.50
TOTAL Receipts 2015	1.50
TOTAL Year Total 2015	1.50
TOTAL Year Total Prior Years	11.02
Sales Tax	
Sales & Use Dist	1,000.05
TOTAL Sales Tax	1,000.05
Debt Tax	
Int 2018	0.01
Tax 2018	50.00
TOTAL Debt Tax	51.08
TOTAL INCOME	6,438.25

EXPENSES

Attorney	00.00
Audit	850.00
Co-unit	
Green Tax	125.00
Cars & Re	
Car	210.00
TOTAL Cars & Re	210.00
Special Items	
Destical	0.00
TOTAL Special Items	0.00

November 2018 Cash Flow Report - November 2018

11/1/2018 through 11/30/2018

12/01/2018

Page 2

Category	11/1/2018 11/30/2018
TOTAL Co-Op unit	500
Benefits	
Dental	800
Life	5208
NCLORS	100000
Vision	1000
TOTAL Benefits	110008
IC	
Med	10020
SoftSec	10000
TOTAL IC	20020
Payroll	12220
Unemp	802
TOTAL P&C	212582
Office	
Clerk	20000
Council	0000
Deputy Clerk	10000
Finance Officer	
Regular	200000
TOTAL Finance Officer	200000
Maint	
Materials	15000
Service	55000
TOTAL Maint	58000
Major	00000
Supplies	100000
Tel	00000
Util	00000
TOTAL Office	200250
Plant	
Administration	
Salaries	200000
TOTAL Administration	200000
Ordinance Charges	2005000
TOTAL Plant	5000000
Street Lighting	11005
Tax Coll	
Contract	5000
Sal	5000
TOTAL Tax Coll	10000
Training	
State	00000
TOTAL Training	00000
TOTAL EXPENSES	22,839.58
OVERALL TOTAL	-16,401.33

Register Report - No 2018

11/1/2018 through 11/30/2018

12/01/2018

Page 1

Date	Num	Description	Memo	Category	Clr	Amount
11/5/2018		Union Count	NC	TS 180		5.00
			NC	TS 180		1.00
			NC	TS Reunds 18		0.00
			NC	TS Reunds 18		115.00
				Ta Coll:Contract		12.00
11/5/2018		Debit Card	alMart	arba		15.00
11/1/2018	58	Municipal Insurance	11/18			52.08
			11/18			8.00
			11/18			1.00
11/1/2018	58	Lorri	2018			25.00
11/1/2018	585	Deborah	2018			25.00
11/1/2018	58	Budget	W/CTBCo			188.00
11/1/2018	58	Veritac	I/N 08			181.00
11/1/2018	588	Pero	I/N 0			100.00
11/1/2018	58	Clar	I/N 00			00.00
11/1/2018	500	RCS	I/N 10			200.00
11/1/2018		Debit Card	Mus			10.00
11/1/2018		Union Count				2.00
						15.00
						0.00
						8.00
						0.22
						0.00
						5.00
						1.00
11/1/2018	501	Cendra	I/N 12			850.00
11/1/2018	5000	Taylor & Sons				5.00
						25.00
11/1/2018	5000	Ben	I/N 18			250.00
11/1/2018	5000	Union Count	publi			25.00
11/1/2018	505	Union Count	publi			10.00
11/1/2018		Debit Card	OL			0.00
11/15/2018		NC De	Sales & Use			105.00
11/1/2018		Debit Card	2			0.00
11/20/2018	5000	Du	180			1.02
11/20/2018	5000	Du	181			2.10
11/20/2018	508	Du	205			1.05
11/20/2018	5000	NC Division	O			8.02
11/20/2018	5500	Indstrea	0			22.00
11/28/2018		Debit Card	Sta			0.00
11/2/2018		Debit Card	Sal			282.50
			Su			0.00
			ours			1.00
			Sal			225.02
			Sal			00.00
			Sal			00.00
			Sal			25.01
			Sal			50.00
						1.00
						1.02
11/2/2018	D	Deposit	18010			25.00

Register Report No 2018

11/1/2018 through 11/30/2018

12/31/2018

Page 2

Date	Num	Description	Memo	Category	Clr	Amount
11/30/2018	00T	Balance Fees	Fees 11/18 2018 000000		R	122.20
11/30/2018	00T	NC State Treasurer	11/18 LORS Contribution Office: Cler		R	181.00
			11/18 LORS Contribution Office: Finance Officer: Regular		R	100.58
			11/18 LORS Contribution Office: Administration: Salaries		R	15.80
			11/18 e-Procurement Benefits: NCLORS		R	10.00
11/1/2018 - 11/30/2018						-17,881.17
TOTAL INFLOWS						4,959.11
TOTAL OUTFLOWS						-22,840.28
NET TOTAL						-17,881.17

November 2018

Revenue Details

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Invoice Date	Invoice Number	Description	Invoice Amount
10/14/2018	1903-NCVTS	NCVTS REFUND SEPTEMBER	-\$.70
09/14/2018	1902-NCVTS	NCVTS REFUNDS AUGUST	\$11.54
10/14/2018	VTFN1809-1	Cash Recvd NCVTS SEP/18	\$487.91
Vendor No.			Vendor Name
10870			TOWN OF MINERAL SPRINGS
Check No.		Check Date	Check Amount
00057054		11/05/2018	498.75



County of Union
 500 North Main Street
 Monroe, North Carolina 28112

Vendor Number Check Date Check Number
 10870 11/05/2018 00057054

"This disbursement has been approved as required by the Local Government Budget and Fiscal Control Act."

\$498.75

Pay Four Hundred Ninety Eight Dollars and 75 cents *****

To The TOWN OF MINERAL SPRINGS
 Order Of PO BOX 600
 MINERAL SPRINGS NC 28108

**EFT COPY
 NON-NEGOTIABLE**

AP



County of Union
 500 North Main Street
 Monroe, North Carolina 28112

10870
 00057054

ADDRESS SERVICE REQUESTED

TOWN OF MINERAL SPRINGS
 PO BOX 600
 MINERAL SPRINGS NC 28108

MINERAL SPRINGS

Jurisdiction # 990

Vendor: 10870-1 Invoice#: 1903-NCVTS
Description: NCVTS Refunds for the months of September
Invoice Date: 10/14/2018
Due Date: 10/15/2018
Acct# 715 - 220355 \$ (0.70)
\$ (0.70)

AAJ / DHC
11-1-18

MINERAL SPRINGS

Jurisdiction # 990

Vendor: 10870-1
Description:
Invoice Date:
Due Date:
Acct# 715 - 220355

Invoice#: 1902-NCVTS
NCVTS Refunds for the months of August
9/14/2018
9/15/2018

\$	11.54
\$	11.54

AA/DHC
11-1-18

Batch 5961

R/G M/I	Entity	VndNo-R	Inv No	Tax&Fee ---Amt---	IntOnly ---Amt---	Comr ---Cst---	Net ---Amt---	---Sts---
400 001	Union County	0-0		514,103.64	5,233.91	13,766.10	505,571.45	No Chk
400 003	Voter Approved Debt Tax	0-0		63,802.15	567.00	1,704.39	62,664.76	No Chk
400 011	Countywide Fire Tax	0-0		21,436.97	195.82	572.85	21,059.94	No Chk
400 012	Countywide EMS Tax	0-0		54,304.37	482.44	1,450.83	53,335.98	No Chk
400 015	Countywide Fire Tax	0-0		6,128.66	61.19	168.05	6,021.80	No Chk
400 020	Stallings Fire Tax	0-0		9,494.10	93.17	258.61	9,328.66	No Chk
400 023	Hemby Bridge Fire Tax	0-0		13,219.38	118.37	357.12	12,980.63	No Chk
400 026	Wesley Chapel Fire Tax	0-0		13,202.86	100.29	359.21	12,943.94	No Chk
400 028	Maxhaw Fire Tax	0-0		9,215.51	74.69	254.26	9,035.94	No Chk
400 101	Village Of Marvin	1832-	VTFN1809-1	4,335.85	26.26	120.16	4,241.95	No Chk
400 200	City Of Monroe	103-7	VTFN1809-1	188,439.13	1,084.75	3,683.91	185,839.97	No Chk
400 222	Monroe Downtown Service District	103-7	VTFN1809-2	4,378.34	48	7.17	4,371.65	No Chk
400 300	Town Of Wingate	4064-	VTFN1809-1	4,935.66	56.14	133.06	4,858.74	No Chk
400 400	Town Of Marshville	5861-	VTFN1809-1	6,723.84	129.26	168.05	6,685.05	No Chk
400 500	Town Of Waxhaw	8268-	VTFN1809-1	68,580.56	526.94	1,740.40	67,367.10	No Chk
400 600	Town Of Indian Trail	2924-	VTFN1809-1	65,007.32	626.17	1,731.68	63,901.81	No Chk
400 700	Town Of Stallings	4860-2	VTFN1809-1	31,811.38	293.64	872.64	31,232.38	No Chk
400 800	Town Of Weddington	7518-	VTFN1809-1	7,848.92	69.84	214.21	7,704.35	No Chk
400 900	Village Of Lake Park	1833-	VTFN1809-1	7,993.16	75.49	219.15	7,849.50	No Chk
400 930	Town Of Fairview	19458-	VTFN1809-1	669.72	5.54	17.65	657.61	No Chk
400 970	Village Of Wesley Chapel	9262-	VTFN1809-1	1,316.78	10.90	36.23	1,291.45	No Chk
400 980	Town Of Unionville	11530-	VTFN1809-1	1,078.26	8.58	28.66	1,058.18	No Chk
400 990	Town Of Mineral Springs	10870-	VTFN1809-1	1,495.93	4.91	12.93	1,487.91	No Chk
400 999	Schools	0-0		920,190.15	8,245.84	24,580.44	903,855.55	No Chk
-----User Keyed Amounts-----								
Interest Amount...				2,543.62				
-----Costs-----								
Billing Cost.....				33,767.41				
Credit Card Cost..				18,690.35				
Debit Card Cost..				.00				

Total Costs.....				52,457.76				

A/P Totals.....				389,614.85	2,918.90	8,985.90	383,547.85	
No A/P Totals.....				1,625,097.79	15,172.72	43,471.86	1,596,798.65	
Refund Totals.....				.00	.00	.00	.00	

Grand Totals.....				2,014,712.64	18,091.62	52,457.76	1,980,346.50	

--- E N D ---

Invoice Date	Invoice Number	Description	Invoice Amount
11/08/2018	1904 TAXES	TAX/FEE/INT - OCTOBER 2018	\$2,441.51

Vendor No	Vendor Name	Check No	Check Date	Check Amount
10870	TOWN OF MINERAL SPRINGS	00057145	11/09/2018	2,441.51



County of Union
 500 North Main Street
 Monroe, North Carolina 28112

Vendor Number Check Date Check Number
 10870 11/09/2018 00057145

"This disbursement has been approved as required by the Local Government Budget and Fiscal Control Act."

\$2,441.51

Pay Two Thousand Four Hundred Forty One Dollars and 51 cents *****

To The
 Order Of

TOWN OF MINERAL SPRINGS
 PO BOX 600
 MINERAL SPRINGS NC 28108

**EFT COPY
 NON-NEGOTIABLE**

AP



County of Union
 500 North Main Street
 Monroe, North Carolina 28112

10870
 00057145

ADDRESS SERVICE REQUESTED

TOWN OF MINERAL SPRINGS
 PO BOX 600
 MINERAL SPRINGS NC 28108

**Jurisdiction Collection by Year
 Union County
 Date Distributed: 10/1/2018 to 10/31/2018**

990 - TOWN OF MINERAL SPRINGS

Year	Taxes, Assessments and Misc. Charges	Late List	Interest	Total Collected	Commission	Net of Commission
2014	0.00	0.00	5.99	5.99	0.09	5.90
2016	3.98	0.00	0.22	4.20	0.06	4.14
2017	1.53	0.00	0.00	1.53	0.02	1.51
2018	2,452.35	14.61	0.00	2,466.96	37.00	2,429.96
Total:	2,457.86	14.61	6.21	2,478.68	37.17	2,441.51
Grand Total:	2,457.86	14.61	6.21	2,478.68	37.17	2,441.51

NC Sales & Use Distribution: 11/15/2018

September 2018 Collections

Summary

MUNICIPALITY	ARTICLE 39	ARTICLE 40	ARTICLE 42	ARTICLE 43	ARTICLE 44	ART 44 *524	ARTICLE 45	ARTICLE 46	CITY HH	TOTAL
UNION (AD VALOREM)	1,125.11	138,000.11	2,000.00		2.88	285,028.00			25,221.11	5,000.22
AIR	50.11	21.00	2.00		0.01	11.00			508.00	2,211.00
MB BRID										
INDIAN TRAIL	0.11	18,000.11	1,000.00		0.5	10,010.00			2,281.11	1,081.20
LORR	5,588.11	1,000.5	2,520.00		0.08	88.2			88.00	1,200.00
MORSE HILL	8,120.00	5,510.00	1,100.00		0.1	1,222.2			5,000.10	25,108.2
MORRIS	5,150.00	18.8	2,208.00		0.08	820.00			5.00	15,180.00
MINOR SORIN	1.00	25.5	8.00		0.01	102.11			2.00	1,000.05
MINT HILL	0.00	2.5	21.1						2.1	121.20
MONROE	18,001.50	122,000.1	5,000.1		2.8	2,011.1			125,200.2	55,001.5
STALLINS	5,000.5	22,111.2	1,805.0		0.51	5,555.5			22,815.8	101,210.0
UNION HILL	80.2	50.21	518.1		0.01	15.08			8.0	2,002.0
UNION	58,550.00	8,810.00	2,228.00		0.88	1,008.00			8,200.00	1,220.00
WADDINGTON	10,125.0	1,000.5	5,500.00		0.15	1,118.0			8,558.00	2,500.00
WASLEY CREEK	1,000.0	1.02	8.00		0.02	2.10			2.88	5.5
WINTHROP	5,002.00	1,12.0	2,200.00		0.08	80.00			80.88	15,100.00
TOTAL	21,510.00	1,120,000.12	11,550.50		2.00	5,111.1				5,085.5

MEMO

To: Mineral Springs Town Council
From: Rick Becker
Date: January 3, 2019
Subject: Union County Critical Intersection Analysis

In 2016, Union County and the Charlotte Regional Transportation Planning Organization (CRTPO) conducted a “Critical Intersection Analysis”. I have attached a very brief excerpt from the final report that provides a one-page executive summary, lists the intersections that were studied, and includes details on the one project in Mineral Springs that was included: Highway 75 and McNeely Road.

Mr. Bjorn Hansen, the Union County Transportation Planner, is beginning an effort to update this study. Attached is an email from Mr. Hansen explaining the process. Mr. Hansen will be at the January 10 meeting to explain the status of the current analysis and what he is considering for the future, including a possible cost-sharing plan for updating the study should CRTPO funding not be available. Mr. Hansen will also answer any questions from Council about the overall goals and results of the project.

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Union County Critical Intersection Analysis Update and Funding Scenarios

From: Bjorn Hansen (bjorn.hansen@unioncountync.gov)

To: tdh@indiantrail.org; kparker@stallingsnc.org; ehumphries@fairviewnc.gov; jloyd@monroenc.org; manager@marshville.org; clerk@wesleychapelnc.com; abeesting@waxhaw.com; msvickybrooks@aol.com; msncmayor@yahoo.com; pniland@townofwingatenc.gov; administrator@marvinnc.org; planner@townofweddington.com; townofunionville@aol.com; hembybridgenc@gmail.com

Cc: Richard.Black@unioncountync.gov; brian.matthews@unioncountync.gov; slbasham@ncdot.gov

Date: Wednesday, October 24, 2018, 9:34 AM EDT

Good morning,

In August 2018 the Charlotte Regional Transportation Planning Organization (CRTPO) solicited potential studies to be considered for funding in FY 20 (meaning the money would come available July 1, 2019). This will help them in their discussions with the NCDOT regarding any available planning funds for redistribution to MPOs. At that time I submitted a proposal for an update of the 2016 Critical Intersection Analysis conducted in Union County, which was also funded with CRTPO support. The County and municipalities have been quite successful in partnering with the NCDOT in getting the majority of these projects funded. We therefore would like to update this study with a new list of projects. You can review the current document on the County web site at http://www.co.union.nc.us/application/files/5514/9192/9712/Union_Co_Workbook_Final_20160728-COMBINED_web.pdf. If we started the project in the fall of 2019 it would likely be complete in the fall of 2020.

While there are several projects left on the list, CRTPO expects a summer 2019 capital project solicitation. This will be the next major opportunity to fund the remaining projects. The County, municipalities, and NCDOT Division 10 would therefore be well positioned to respond to post-2019 project funding solicitations by revisiting the critical intersection list and identifying a new list of projects best able to compete for funds through the various NCDOT and CRTPO project funding programs. NCDOT Division 10 supports updating the study, as it will help jointly identify projects to submit for funding with the benefit of prior public outreach and technical analysis.

The details of the CRTPO proposal are below.

1. Project description: Union County and its municipalities wish to update its 2016 Critical Intersections Analysis report, which was funded with \$80,000 in CRTPO PL funds. This project would replicate the work in that report, resulting in a list of approximately 15 high priority intersection and other small-scale projects that has been evaluated and mutually approved by the NCDOT Division 10 and any affected municipalities. This list of projects will serve as the universe of candidate projects for applicable CRTPO and NCDOT project submittals.
2. Total project cost: \$125,000
3. CRTPO funds being requested: \$100,000
4. Local match to be provided: \$25,000 in Union County funds

CRTPO does not know when they will find out if they have money available to fund such an intersection study. ***I therefore propose a backup plan in the event CRTPO is unable to fund this study.*** This backup plan involves Union County funding half of the study (\$62,500) and the municipalities collectively paying for the other half. The larger municipalities (Waxhaw, Monroe, Indian Trail, Stallings) would pay \$10,000, while the remaining municipalities pay \$5,000. These funding levels do not require that all of the municipalities participate – if $\frac{3}{4}$ of the municipalities were to participate we would raise the \$62,500. If more than \$62,500 were committed then any extra funds would be returned on a proportional basis. I am not proposing that if a community doesn't commit to fiscally participating in this study that they

do not have a seat at the table or will not have issues in their jurisdiction evaluated or included in the final report. Transportation planning is an issue of common concern and we need to look at all intersections of concern. We hope that there is enough interest and support that those communities that can fiscally participate will do so.

I am currently a member of a CRTPO subcommittee working on how to improve the CMAQ, STBG-DA, and TAP funding program for locally-administered projects. Many of the recently awarded intersection projects in the county are funded through CMAQ and STBG-DA funds. CRTPO receives in excess of \$25 million per year through these three programs, so together they are an important source of funds. They want to streamline the initial application process, as well as the process for requesting additional funds in case there are overruns. Doing design and cost estimation work in advance of the application is going to become the norm for these projects, and identifying the projects and their scopes through this process is a good first step.

I know the FY 20 budgeting process is starting soon, so I wanted to get this out in time for discussion and coordination. I am happy to meet or present on this topic.

Sincerely,

Bjorn

Bjorn E. Hansen, AICP CTP

Transportation Planner

Union County Government

Growth Management

500 North Main Street

Suite #70
Monroe, NC 28112

T 704.283.3690

F 704.292.2582

bjorn.hansen@co.union.nc.us

www.unioncountync.gov

UNION COUNTY
critical INTERSECTION analysis



STUDY WORKBOOK



Union County contracted with RS&H Architects-Engineers-Planners, Inc. (RS&H) to perform a critical intersection analysis, intended to identify locations throughout the county that exhibit congestion and safety issues. Nearly 70 candidate locations were considered for further evaluation, of which 15 were chosen as “critical intersection locations” to be analyzed further. A Project Team consisting of Union County staff and the RS&H consultant team led the project study. Coordination efforts with stakeholders and the North Carolina Department of Transportation (NCDOT) was also an important component of the study.

The study outcomes consist of an analysis of existing conditions, development of design concepts and cost estimates, and identification of funding sources and implementation strategies.

Coordination

An Advisory Committee, composed of local stakeholders, submitted potential study locations and provided feedback throughout the study process. In addition, the NCDOT’s involvement allowed for a consistent approach with regard to potential design improvement concepts being considered at various locations. Collaboration with the NCDOT was also pertinent due to the fact that the state owns and maintains the majority of roads within Union County.

Critical Intersections Selected

As a result of coordination efforts among the Project Team, Advisory Committee, and NCDOT, as well as a preliminary analysis to identify congestion and safety issues, 15 critical intersection locations were selected for further analysis as part of this study.¹

¹ One additional location that was evaluated independently from this study is the intersection of New Town Road/Marvin Road. The proposed design concept and cost estimate for that location are included in Appendix B and C, respectively.

Intersection Analysis

Following the selection of the intersections identified to be the focus of the study, a variety of methods were utilized to analyze existing conditions and the impact/result of implementing specific design improvements at each respective intersection. A field visit was conducted and each location was mapped using GIS to gain a better understanding about the physical characteristics of each intersection studied. A review of locally adopted plans and land use regulations, along with stakeholder outreach, also contributed to data collection efforts undertaken for the existing conditions analysis.

To evaluate existing (2015) and future (2040) traffic conditions, recent peak hour traffic counts were obtained and a Synchro analysis was conducted. Additionally, the Metrolina Regional Model (MRM) served as a supplemental resource to calculate Level of Service and generate a growth rate factor for anticipated future travel demand. Results of the analyses are detailed in the Workbook and accompanying Appendix.



NC 16 and Main Street (Waxhaw)



executive summary

TABLE E1 – UNION COUNTY CRITICAL INTERSECTION ANALYSIS LOCATIONS AND PROPOSED IMPROVEMENTS

Project ID	Location	Jurisdiction	Proposed Design Improvement(s)	Estimated Construction and Right-of-Way Cost
4	Chestnut Ln / Matthews-Weddington Rd	Stallings	Roundabout with slip lanes; Acquire right-of-way for future dual lane roundabout	\$1,890,000
14	NC 75 (Waxhaw Hwy) / McNeely Rd	Mineral Springs	Left turn lane on eastbound NC 75; Right turn lane on southbound McNeely Rd	\$450,000
21-1	NC 16 (Providence Rd) / Bonds Grove Church Rd	Waxhaw	Signalize; Turn lanes, all approaches; Future STIP Project U-5769 to widen NC 16	\$820,000
21-2	NC 16 (Providence Rd) / Bonds Grove Church Rd	Waxhaw	Signalize; Turn lanes, all approaches; Realign Bonds Grove Church Rd to the north; Future STIP Project U-5769 to widen NC 16	\$2,460,000
25	NC 218 / Clontz Rd	Fairview	Left turn lane and rumble strips on NC 218	N/A (Funded by NCDOT)
32	Old Charlotte Hwy / Carroll St	Monroe	Left turn lane on southbound Old Charlotte Hwy (Carroll St and Arnold Dr); Left turn lane on northbound Old Charlotte Hwy (driveways adjacent to Carroll St)	\$700,000
33	Old Charlotte Hwy / John Moore Rd	Monroe	Left turn lane on southbound Old Charlotte Hwy (John Moore Rd to Timber Lane Dr on 3-lane cross section)	\$1,010,000
34	Old Charlotte Hwy / Williams Rd	Monroe	Signalize; Left turn lane on southbound Old Charlotte Hwy	\$490,000
47-1	Wesley Chapel Rd / Rogers Rd	Indian Trail	Exclusive right on northbound Wesley Chapel Rd	\$650,000

executive summary



TABLE E1 – UNION COUNTY CRITICAL INTERSECTION ANALYSIS LOCATIONS AND PROPOSED IMPROVEMENTS

Project ID	Location	Jurisdiction	Proposed Design Improvement(s)	Estimated Construction and Right-of-Way Cost
47-2	Wesley Chapel Rd / Rogers Rd	Indian Trail	Through right on northbound Wesley Chapel Rd; Dual left turn lane on southbound Wesley Chapel Rd; Add northbound left turn lane on Wesley Chapel Rd to Treeside Ln	\$3,420,000
49	Wilson St / North Main St	Wingate	Pedestrian improvements at intersection; Sidewalk on west side of N. Main St (Wilson St to Elm St)	\$40,000
51	Wesley Chapel Rd / Potter Rd	Wesley Chapel	Roundabout with slip lanes; Left turn lane on northbound Wesley Chapel Rd (NC 84 to Potter Rd)	\$2,520,000
64	NC 16 (Providence Rd) / Ennis Rd	Weddington	Left turn lane on NC 16; Future STIP Project U-5769 to widen NC 16	\$410,000
65	US 74 / Elm St	Marshville	(Recommend corridor planning study)^	N/A
66*	NC 84 (Monroe-Weddington Rd) / Wesley Chapel Rd / Potter Rd	Wesley Chapel	Right turn lanes, all approaches; Dual left turn lane on eastbound NC 84; Convert Wesley Chapel Rd to 4-lane section (NC 84 to Potter Rd)	\$1,650,000

*Project contingent upon completion of Project ID 51

^Corridor study overview included in Appendix D.



planning process

NC 75 (WAXHAW HIGHWAY) AT MCNEELY ROAD (ID 14)

Existing Conditions:

Located in the Town of Mineral Springs, this is a three-legged intersection surrounded by commercial/industrial uses and large, single-family residential lots. Both are two-lane, undivided highways, and the existing speed limit on NC 75 (Waxhaw Highway) is 55 miles per hour (mph). Also, topographic conditions on NC 75 (Waxhaw Highway) west of McNeely Road result in sight distance issues for vehicles traveling eastbound on NC 75 (Waxhaw Highway). Traffic conditions at the intersection are as follows:



- Stop controlled and no existing turn lanes
- 2015 Level of Service C, degrading to Level of Service E by 2040 with no improvements

Intersection Deficiencies:

While traffic is an issue, sight distance is the primary concern identified at this location. Left turn movements are particularly impacted by the sight distance issues at this location, both the queuing for the southbound left, as well as the eastbound left turn movement. A crest curve located directly west of the intersection causes the stopping sight distance on NC 75 eastbound vehicles to meet a 45 mph design speed, which is less than the posted speed limit. This curve also causes the intersection sight distance for vehicles turning left

from McNeely Road to NC 75 to meet a 35 mph design speed.

Proposed Improvement and Resulting Conditions:

The proposed improvements at this location are to add left turn lanes on eastbound NC 75 (Waxhaw Highway) and southbound McNeely Road. These improvements will result in the following conditions:

- Level of Service will improve to D.
- Vehicles traveling eastbound on NC 75 (Waxhaw Highway) will have a separate storage lane for left turn movements, which will improve safety due to the current sight distance issue. The storage lane will begin before the crest curve that creates the sight distance issue, which will allow vehicles to decelerate in a separate lane approaching the intersection.
- Right turn movements on southbound McNeely Road will have a separate lane, eliminating the need for those vehicles to wait for the left turn movement.

NC 16 (PROVIDENCE ROAD) AT BONDS GROVE CHURCH ROAD (ID 21)

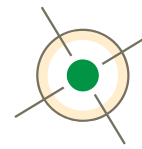
Existing Conditions:

This is a three-legged intersection located in the Village of Marvin and Town of Waxhaw. Both roadways are two-lane, undivided facilities, and land uses surrounding this intersection are residential. There is a church approximately 500 feet west of the intersection on Bonds Grove Church Road. Additional residential development near this intersection is anticipated, and the extension of Bonds Grove Church Road to the east is planned in the future. Traffic conditions at this location include:

- Currently stop controlled, with no existing turn lanes
- 2015 Level of Service F, and will continue to function at Level of Service F in 2040 with no improvements

NC 75 (Waxhaw Hwy)/McNeely Rd

Project ID // 14



UNION COUNTY
CRITICAL INTERSECTION ANALYSIS

EXISTING CONDITIONS



JURISDICTION(S)	
Town of Mineral Springs	
EXISTING SIGNAL	EXISTING TURN LANE(S)
No	No
2015 LOS	
C	
DESIGN CONSIDERATIONS	
<ul style="list-style-type: none"> Overhead utilities along NC 75 and McNeely Rd Potential future industrial development northwest of the existing intersection Field measurement for stopping sight distance for left turns from NC 75 to McNeely Rd is approximately 45 mph 	
DESIGN DEFICIENCIES	
<ul style="list-style-type: none"> Sight distance due to existing slope on NC 75 west of McNeely Rd Queuing on eastbound NC 75 and southbound McNeely Rd 	

DESIGN IMPROVEMENTS



PROPOSED DESIGN IMPROVEMENTS	
<ul style="list-style-type: none"> Add left turn lane on eastbound NC 75 to northbound McNeely Rd Add right turn lane on southbound McNeely Rd to westbound NC 75 	
2040 NO BUILD LOS	2040 BUILD LOS
E	D
COST	
CONSTRUCTION	\$410,000
RIGHT-OF-WAY	\$40,000
TOTAL	\$450,000

