

**MAYOR**  
Michael L. Alvarez

**MAYOR PRO TEM**  
David Cohn



**TOWN COUNCIL**  
Gordon B. Daniels  
Christopher M. King  
Gary M. Savoie

Indian Trail Town Council Meeting  
March 25, 2014  
Civic Building  
Regular Council meeting will begin  
following the adjournment of the  
5:45 Special Meeting

1. **CALL MEETING TO ORDER AND PLEDGE OF ALLEGIANCE**
2. **ADDITIONS AND DELETIONS** **action**
3. **MOTION TO APPROVE AGENDA**
4. ***COUNCIL CONSIDERATION OF APPOINTMENT PROCESS AND THE POSSIBLE SELECTION OF VACANT COUNCIL SEAT – REQUESTED BY MAYOR ALVAREZ***
5. **PRESENTATIONS**
  - a. [Proclamation for Paul Belk](#)
  - b. [Proclamation for Kelvin Seabrooks](#)
  - c. [Proclamation for the Military Order of the Purple Heart](#)
  - d. [Recognition of Leroy Rushing](#)
6. **PUBLIC COMMENTS**
7. **PUBLIC COMMENTS FOR FY 2014/2015 BUDGET DEVELOPMENT**
8. **CONSENT AGENDA** **action**
  - a. [Approval January 11, 2014 draft minutes](#)
  - b. [Approval January 14, 2014 draft minutes](#)
  - c. [Approval of January 29, 2014 Special Meeting draft minutes](#)
  - d. [Approval of February 5, 2014 Special Meeting draft minutes](#)
  - e. [Approval of February 14, 2014 Special Meeting draft minutes](#)
  - f. [Approval of Budget Amendments](#)
  - g. [Approval of refund of overpayment of taxes over \\$500](#)

- h. [Annexation # 140](#)
  - A resolution directing the Town Clerk to investigate the sufficiency of the proposed voluntary annexation petition
  - A Certificate of Sufficiency
  - A resolution setting the public hearing date for the annexation to April 27, 2014
- i. [Approval of release of tax interest](#)
- j. [Approval of advertisement of delinquent tax accounts](#)
- k. [Approval of additional signatories on town bank accounts](#)
- l. [Public Safety Committee request for approval to remove Joseph Carteret](#)
- m. [Approval of reopening application process for ABC Board](#)
- n. [Approval of Renewal of Deer Urban Archery Season 2015](#)
- o. Approval of Jan Deans application for Transportation Advisory Committee
- p. Approval of Jocelyn Sams application for Transportation Advisory Committee

**9. PUBLIC HEARINGS**

**action**

**10. BUSINESS ITEMS**

- a. Consider approval of adding Law Enforcement Update and Town Committee Update after Public Comments- *Item Requested by Mayor Alvarez*
- b. [Park Update and Park & Recreation Fee proposal](#)

**11. DISCUSSION ITEMS**

- a. [Discussion and follow-up from January 11<sup>th</sup> Council Strategic Planning Session](#) including 5-year Transportation Plan, Economic Development Plan, and Communication's Plan
- b. [Discussion of organization of Committees and Boards](#)
- c. [Discussion of Law Enforcement Analysis](#)
- d. [Discussion on Bonterra Streets](#)
- e. [Traffic Calming 101](#)
- f. [Council Consideration of Approval for Traffic Calming Project](#)

**12. MANAGERS REPORT**

**13. COUNCIL COMMENTS**

**14. CLOSED SESSION**

**action**

**15. ADJOURN**

**action**

**To speak concerning an item on the Agenda, please print your name and address on the sign up sheet on the table prior to the meeting. Each speaker will be limited to 3 minutes.**

**AS A COURTESY, PLEASE TURN CELL PHONES OFF WHILE MEETING IS IN PROGRESS**

*The Town of Indian Trail is committed to providing all citizens with the opportunity to participate fully in the public meeting process. Any person with a disability who needs an auxiliary aid or service in order to participate in this meeting may contact the Town Clerk at least 48 hours prior to the meeting. The e-mail address is [townclerk@admin.indiantrail.org](mailto:townclerk@admin.indiantrail.org); the phone number is 704-821-2541*

# Proclamation

**Whereas,** Paul Belk has been a lifelong resident of Union County and hales from a family that has been present in the area since prior to the Revolutionary War; and

**Whereas,** Paul has been medically retired from the Army National Guard after over 19 years of service to our nation serving as Chaplain Assistance in Iraq as well as other positions; and

**Whereas,** Paul has been a devoted husband for 22 years and is the father of 3 children Trevor 18, Cameron 13, and Savannah 11; and

**Whereas,** Paul has been a stroke victim since 2009, has overcome right side paralysis and severe speech impediment and went back to school in 2010; and

**Whereas,** Paul has shown immense courage by having gone from barely speaking and walking to walking better and his writing capabilities improve through the educational experience; and

**Whereas,** Paul is the Co-owner of Indian Trail's less Marketing helping local companies to get the word out about their services and offerings; and

**Now Therefore,** I Michael Alvarez, Mayor of Indian Trail, along with the Indian Trail Town Council congratulate Paul Belk on his being the recipient of the Help a Hero Scholarship of \$5,000. We wish him the best of luck in his future endeavors and thank him for his service.

**WITNESS MY HAND** and the official Seal of the Town of Indian Trail this 13<sup>th</sup> day of March, 2014

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Mayor Michael Alvarez

# Proclamation

**Whereas,** Kelvin J. Seabrooks is a former World Champion boxer at bantamweight, born and raised in Charlotte's Mecklenburg County; and

**Whereas,** Kelvin has changed the lives of countless young people through his Team Seabrooks program, he continues to work tirelessly with the youth of North Carolina showing them a better path in life by opening a youth and self defense program in Indian Trail; and

**Whereas,** Kelvin fought and won the United States Boxing Association bantamweight title and the International Boxing Federation bantamweight title; and

**Whereas,** Kelvin overcame, climbing off the canvas when winning both the USBA and IBF titles; and

**Whereas,** Kelvin traveled the world representing North Carolina in the boxing ring; and

**Whereas,** this month with the theme "honoring Champions in our Community" Kelvin will be recognized for his contributions to Indian Trail and North Carolina.

**Now Therefore,** I, Michael Alvarez, Mayor of Indian Trail, along with the Indian Trail Town Council congratulate Kelvin J. Seabrooks on his success and thank him for his contribution to our youth and community.

**WITNESS MY HAND** and the official Seal of the Town of Indian Trail  
this 15<sup>th</sup> day of March, 2014

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Mayor Michael Alvarez

# Proclamation

**WHEREAS,** The Purple Heart is the oldest military decoration still in present use and was initially created by George Washington in 1782, as the “Badge of Military Merit”; and

**WHEREAS,** The Purple Heart is awarded to members of the armed forces of the U.S. who are wounded by an instrument of war in the hands of the enemy and posthumously to the next of kin in the name of those who are killed in action or die of wounds received in action and it is specifically a combat decoration; and

**WHEREAS,** the Town of Indian Trail recognizes the mission of the Military Order of the Purple Heart is to foster an environment of goodwill and camaraderie among combat wounded veterans, promote patriotism, support necessary legislative initiatives, and most importantly, provide service to all veterans and their families; and

**WHEREAS,** there have been former Indian Trail residents who made the ultimate sacrifice in giving their lives in the cause of freedom, and the numerous combat-wounded veterans who currently reside within the Town of Indian Trail, and in Union County and as Purple Heart awardees who contribute to their community in countless ways, and

**NOW, THEREFORE BE IT PROCLAIMED** that, I, Michael Alvarez, Mayor of the Town of Indian Trail, North Carolina, on behalf of the Indian Trail Town Council, do hereby bestow honor and gratitude upon the Military Order of the Purple Heart, Chapter 634 and we proudly support the recognition of the Town of Indian Trail as a *“Purple Heart City in the State of North Carolina”*.

**ADOPTED** this 25<sup>th</sup> day of March, 2014

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**Michael L. Alvarez, Mayor**

Attest: \_\_\_\_\_  
Peggy Piontek, Town Clerk

## *Certificate of Recognition*

**Whereas** the Rushing Family of J. Ellis Rushing and Rossie Lillian Simpson lived in Union County in the area of Unionville where John Leroy Rushing was born on November 17, 1927, the 5<sup>th</sup> of the nine children; and

**Whereas** John Leroy Rushing graduated from Unionville High School in 1944 and the Coyne Electrical School in Chicago in 1945, served in the US Army of Occupation in Japan in 1946 and was honorably discharged in 1947, and completed his studies at Charlotte College in 1952, with top honors; and

**Whereas** John Leroy Rushing married Fair Pinion of Indian Trail on September 8, 1951, and later purchased the Pinion farm as a place to live and raise their three children; and

**Whereas** John Leroy Rushing applied his trade as an electrician working for Robinson Electric in Charlotte and on projects in Fayetteville and Asheville; and

**Whereas** John Leroy Rushing incorporated both the Rushing Electric Co. and Rushing Construction Co. in 1964 and became a pioneering entrepreneur in residential and commercial building/development from the mid-1950's until his death in 2012; and

**Whereas** John Leroy Rushing contributed to the development of Indian Trail by preserving its oldest building, relocating his business in 1966, building and opening the first Indian Trail Shopping Center in the heart of the downtown area, bringing the first pharmacy and first bank to the town, the first Food Lion, donating the property and building for Indian Trail VFW Post 2423, building two structures to serve as the post office for Indian Trail, bringing water and sewer to Indian Trail and western Union County, as well as many other residential and commercial projects; and

**Whereas** John Leroy Rushing served the community on the Indian Trail School Advisory Board, as an elected member of the Union County School Board, as a member of the Board of Directors of American Bank & Trust, United Carolina Bank, Family Savings & Loan, Bank of Union and American Community Bank, as a member of the Sardis Baptist Church where taught Sunday School, served as Church Treasurer and Deacon, Emmanuel Baptist Church where he was on the Deacon Board and Sunday School Teacher. He was also a Mason, a Shriner, and a member of the Woodmen of the World and a past President and member of the Union Anson Home Builders Association.

NOW THEREFORE, I, Mayor Michael Alvarez, along with the Indian Trail Town Council do hereby recognize the 50<sup>th</sup> anniversary of Rushing Construction Co. being incorporated and the significant contributions of John Leroy Rushing to the growth and development of Indian Trail.

This 15<sup>th</sup> day of March, 2014

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Mayor Michael Alvarez



**Town of Indian Trail**  
**Minutes of Town Council**  
**Strategic Planning Session**  
**January 11, 2014**  
**Civic Building**  
**08:30 A.M.**

The following members of the governing body were present:

Mayor: Michael L. Alvarez

Council Members: David Cohn, Gordon Daniels, Christopher King, and Gary Savoie.

Absent Members: David Waddell.

Staff Members: Town Manager Joe Fivas, Town Attorney Keith Merritt, Town Clerk Peggy Piontek, Finance Director Marsha Sutton, Planning Director Shelley DeHart, Director of Community & Economic Development Kelly Barnhardt, Director Of Engineering and Public Works Scott Kaufhold and Communications Coordinator Lindsey Edmonds.

**CALL MEETING TO ORDER AND PLEDGE OF ALLEGIANCE**

Mayor Alvarez called the meeting to order and lead in the Pledge of Allegiance.

**APPROVAL OF JANUARY 2, 2014 SPECIAL MEETING DRAFT MINUTES**

Christopher King made a motion to approve January 2, 2014 minutes  
Council voted unanimously in favor of the motion.

### **ACCEPTANCE OF COUNCILMAN WADDELL'S RESIGNATION**

Christopher King made a motion to approve Councilman David Waddell's Resignation, effective January 31, 2014.

Council voted unanimously in favor of the motion.

Mayor Alvarez announced that Council Member Waddell was not present for the meeting.

Mr. Fivas provided a brief overview of how the meeting will be conducted requesting any modifications from Council, none were stated.

### **PUBLIC COMMENTS FOR FY 2014/2015 BUDGET DEVELOPMENT**

Shirley Howe, 6205 Clearwater Dr., Indian Trail, NC welcomed the two new Council Members. Ms. Howe commented on roads stating that the older developments need repair, providing specific issues in Beacon Hills. She addressed the quality of work being substandard requesting they be approved for repair in the upcoming budget. Code Enforcement needs additional staff to ensure appropriate enforcement, especially those that do not have an HOA requesting fast tracking Municipal Ordinances by late spring so they can be enforced. Ms. Howe concluded by asking Council to consider the safety needs in our parks by adding additional deputies in the budget.

Samantha Towns, 104 Pine Lake Drive, Monroe, NC addressed movement of funds in budget; she feels the codes used to accomplish this task should be published for the public to prevent criticism from residents. Ms. Towns requested Council address status of the North Carolina League of Municipalities because it was stated in the 2013 Budget highlights that there was pressure for municipalities cuts on State funding and would like information on where Indian Trail stands with regard to this.

Mayor closed public comments.

### **REVIEW OF BUDGET PROCESS**

Mr. Fivas replied to Ms. Towns on the State funding pressures, stating that the legislators did discuss changes that would impact State funding, however they modified their budget in other areas and now are healthier than they were in the past.

Mr. Fivas advised that the Budget Schedule item will be on 1/14 agenda for approval, but reviewed it so Council can modify before it is presented. Mr. Fivas presented an overview on the budget process from incoming revenues to outgoing expenditures, Council's priorities for needs and goals working with residents. He requested that once the budget is delivered on May 5th, at that point it's the Council's

document and if there is something that they would like changed to please let staff know so it can be modified to accommodate within the statutory requirements.

### **STRATEGIC PLANNING SESSION**

Mr. Fivas advised this is conveying what we have now and if we are headed in the right direction, if Council wants to go in a different direction, we would like to discuss it today.

Mr. Fivas advised that staff needs Council's input on whether or not to conduct a Phase I study on the property that we have been directed to purchase on Old Monroe Road and Chestnut Lane. The cost to conduct the study is \$1,800, although not required for purchase; once we purchase the property we take ownership of any environmental issues if no study is conducted. After a lengthy discussion, by consensus Council agreed that the Phase I study should be conducted.

Bonterra Village - Ms. DeHart provided an update and the history of the Bonterra Subdivision approval process. It was approved and annexed into the town in April 2001 as a mixed use project. Private streets were permitted allowing the lot definition to apply to middle of street. In 2006 the definition was amended but Phases I and II were approved prior to amendment.

Mr. Fivas advised that one of the questions we're getting is what we know about the streets and their condition, Mr. Kaufhold provided that information.

Mr. Kaufhold stated at the Town's request the developer provided over 60 pavement cores for the streets in Phase I and II, to find out how much asphalt and stone was used, nothing below that because it's not typical for as built conditions. We compared that to the Town standards and it was met at 100%, but 50-60% stronger than State requirements on average.

Mr. Fivas stated that we have been asked by the Bonterra HOA if we have any interest in taking over those private streets and making them public. One of the reasons is because there are other Phases of this neighborhood that will be built as public streets and they are trying to figure out the legalities. He stated that both he and Mr. Merritt have spoken with the HOA to determine if there is a legal way to do it. From a staff perspective we advised Bonterra HOA this has been done in the past with another subdivision by putting a tax assessment on their property to repay the funds. Staff informed Bonterra they would have to put a certain amount of money in a fund to repair those roads, when needed, at a later date. Mr. Fivas inquired if this is something Council wants to resolve.

Mr. Merritt advised the legal issue is that the homeowners own the property to middle of road, explaining this is unusual as property is generally owned by developer as fee simple. We need to get the property from residents if we wish to take over the road. One way is to get each property owner to convey that property to the town which would be cumbersome. The other way is that there are documents that the roads are considered to be common areas and that could be conveyed. The HOA would need to review those documents and get the residents to approve it. These are issues the HOA

has to deal with, they need to be in a position to convey the property to town and to date they have not accomplished it. Until that point is reached, there is no acceptance that the town has to consider. At one point they requested the town give a conditional approval that if these challenges are met we would consider taking over the roads. The problem is that the lot lines are in the middle of the roads and each homeowner needs to be dealt with by the HOA to resolve this.

Council had a lengthy discussion and requested it be put on the January 28th agenda for further discussion.

Mr. Merritt requested permission to leave the meeting as his services were no longer required, Council approved his leaving.

**Update on current infrastructure projects & 5 year Transportation Plan**

Mr. Fivas provided updates on Highway 74 intersections, Chestnut Parkway, Old Monroe Road. **(COPY OF THE POWER POINT CAN BE FOUND IN THE CLERK'S OFFICE)**

**Park & Recreation**

Ms. Barnhardt presented an overview of the Park and Recreation Plan for 2014-2015, topics included timelines and amenities planned for both Chestnut Square Park and Crooked Creek Park, concluding with the PARTF Grant application timeline, anticipation of sponsorships and donations and advising the master plan is being updated. **(COPY OF THE POWER POINT CAN BE FOUND IN THE CLERK'S OFFICE)**

Mayor Alvarez requested Council approval to leave the meeting for a short period, Council approved. Mayo Alvarez turned the gavel over to Mayor Pro Tem Cohn.

**Communication**

Ms. Edmonds presented a Communications Plan that will provide a guideline for the strategies and tactics that will be used to achieve the Town's communication goals and objectives. **(COPY OF THE POWER POINT CAN BE FOUND IN THE CLERK'S OFFICE)**

**LUNCH**

Council took and returned from a brief recess for lunch.

**Economic Development**

Ms. Barnhardt presented an overview of the 2014-2015 Economic Development Plan, explaining what economic development entails, the goals, objectives and development examples from other jurisdictions. **(COPY OF THE POWER POINT CAN BE FOUND IN THE CLERK'S OFFICE)**

Mayor Alvarez returned to the meeting.

**CONTINUATION OF STRATEGIC PLANNING SESSION**

Mr. Fivas explained staff's documented plans for the future and requested thoughts/ideas from Council. Requesting an intermediary plan. Council had a lengthy discussion, topics included 3 year strategic plan, understanding our current situation, our strengths and weaknesses, opportunities, threats, where do we want to go, communication, downtown area where it will be and what it should look like, how to get there, timelines, definition of organization mission and values, set goals on quality of services, public safety, quality places, park areas, and Grants.

**CLOSED SESSION**

*None*

**ADJOURN**

David Cohn made a motion to adjourn  
Council voted unanimously in favor of the motion.

**APPROVED:**

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**Michael L. Alvarez, Mayor**

Attest:

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Peggy Piontek, Town Clerk



**Town of Indian Trail**  
**Minutes of Town Council**  
**January 14, 2014**  
**Civic Building**  
**06:30 P.M.**

The following members of the governing body were present:

Mayor: Michael L. Alvarez

Council Members: David Cohn, Gordon B. Daniels, Christopher King, and Gary M. Savoie.

Absent Members: David Waddell

Staff Members: Town Manager Joe Fivas, Town Clerk Peggy Piontek, Town Attorney Keith Merritt, Planning Director Shelley DeHart, Director of Community & Economic Development Kelly Barnhardt, Finance Director Marsha Sutton, Human Resources Director Carey Warner and Director of Engineering and Public Works Scott Kaufhold .

**CALL MEETING TO ORDER AND PLEDGE OF ALLEGIANCE**

Mayor Alvarez called the meeting to order and lead in the Pledge of Allegiance. He announced Council Member Waddell was not present.

Mayor Alvarez informed Council that several people signed up for public comments and requested permission to extend public comment period, Council approved.

**ADDITIONS AND DELETIONS**

*None*

**MOTION TO APPROVE AGENDA**

Christopher King made a motion to approve the agenda  
Council voted unanimously in favor of the motion

**PRESENTATIONS**

a. Swearing in of Mayor Pro Tem

Town Clerk, Peggy Piontek administered the Oath to Mayor Pro Tempore David Cohn. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

**PUBLIC COMMENTS**

Samantha Towns 104 Pinelake Drive, Monroe, NC stated that it is time to consider the town's image. She referred to the voting turnout in November and feels that Mr. Drehs should be appointed and recommended the Council follow the law to prevent any lawsuits.

Jonathan Baer requested his comments be recorded as verbatim, Council approved the request. A copy of the documents that Mr. Baer provided to the Clerk upon conclusion of his comments is **ATTACHED HERETO AND MADE A PART OF THE RECORD.**

Steven Long, 1012 Cranston Crossing Place, Indian Trail, NC stated that there are approximately 14 different openings on the town committees and boards. He urged citizens to take an application fill it out to take ownership and get involved. As far as replacing Mr. Waddell's seat, it should be done within the town charter. He referred to time shared with Charlotte Mayor Patrick Cannon, his shared ideals and goals especially with youth, economic growth, public safety and roads are a herald for us to realize ??? and take the plunge. If taxes and my love for this town are sure things.

Cathi Higgins, 3004 Clover Hill Road, Indian Trail, NC, reminded everyone that Mr. Baer did not state his address. Ms. Higgins addressed the appointment of the next council person, thanked Mr. Waddell for his service. Logically if this vacancy had occurred in November David Drehs would be sitting in that

chair right now. Residents voted only 2 months ago, she referred to the 500 voting residents who wanted to put David Drehs on the Council. She continued to express his qualifications.

Shirley Howe, 6205 Clearwater Drive, Indian Trail, NC advised that she wanted to speak on the upcoming open seat for the Town Council position and explained why she endorsed David Drehs, stating his credentials. Ms. Howe explained her point is that there is a movement to appoint the vacant seat to a female that should not be considered in her opinion. This would provide an open door for a preselected female or male to get a free ride to claim the Council seat and suggested Council not be fooled.

Roger Fish, 1101 Magna Lane, Indian Trail, NC feels the next 2-5 years will be critical in Indian Trail and it will be a wonderful time to be on the Council. He believes it's important that Council maintains their freedom of action on who to choose, but feels there is merit to look at Mr. Drehs, he has done his due diligence, has voter approval, and would be an asset to the Council.

Michael Faulkenberry, 519 Pickett Circle, Indian Trail, NC feels Mr. Drehs is the best choice for Mr. Waddell's seat and provided some background on him. He agrees with Mr. King that we should have holiday lights in Indian Trail. The representation for Alliance of South Charlotte Communities should be put up for discussion and applications taken just like any committee.

Jan Brown, 6727 Long Nook Lane, Indian Trail, NC would like Council to interview several people, requested he be considered and provided his background and credentials.

David Drehs, 3216 Bow Club Trail, Indian Trail, NC stated he appreciated the comments that have been made about him this evening. He listed comparisons between him and Mr. Waddell. He is willing to accomplish any procedures or jump through any hoops Council wants and believes he would be an asset to the Town.

**PUBLIC COMMENTS FOR FY 2014/2015 BUDGET DEVELOPMENT**

*No one had signed up to speak.*

**CONSENT AGENDA**

- a. Approval December 10, 2013 draft Minutes
- b. Approval of 2014/2015 Budget Schedule **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

Christopher King made a motion to approve the Consent Agenda  
Council voted unanimously in favor of the motion

**PUBLIC HEARINGS**

a. Annexation 139 Lot 2 The Gardens

Ms. DeHart provided an explanation of what an annexation is and the process that is involved. Ms. DeHart then stated the subject property is located within "The Gardens at Brandon Oaks" within the unincorporated area of Union County. The subject property is developed with a single-family residential home. The parcel is approximately .179 acres in size, and is zoned Union County Residential-20 (R-20). This property is one of the two last remaining unincorporated county properties located within the Brandon Oaks Subdivision.

Ms. DeHart stated that the following consistency finding, pursuant to NCGS § 160A-31(d) regarding voluntary annexations in North Carolina, must be made for the annexation to be valid: The Town Council of Indian Trail finds that, pursuant to the requirements of NCGS § 160A- 31(d), that the proposed Annexation Ordinance #139 petition offered by the applicants does in fact meet all requirements for a proper voluntary annexation under North Carolina law and is found to be valid in form and manner.

Mayor Alvarez opened and closed public comments as no one had signed up to speak.

David Cohn made a motion to approve extending the corporate limits of the Town of Indian Trail to include Annexation Ordinance #139, establishing the effective date of this Annexation to January 15, 2014.

Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

b. ZT2013-005 Town Committee Reorganization

Mr. Burhans explained the UDO Text Amendment Process. Mr. Burhans stated that this is a request to amend several sections of the Unified Development Ordinance (UDO) to help implement the recent Town Council decision to repurpose the Parks, Tree, and Greenway Committee into the Parks, Arts, Recreating, and Culture Advisory Committee. The repurposing action created the need for a standalone Tree Advisory Committee. Town staff has proposed having members of the Planning Board staff the new Tree Advisory Committee.

The Planning Board met on December 17, 2013 to hear the proposed amendment in a public meeting, made the following findings and unanimously voted to transmit a recommendation to approve:

1. The proposed UDO amendment is consistent with the following goal:

2.3.3 of the Comprehensive Plan- *Parks and Recreation, Open Space, and Natural Environment* because it will help facilitate creation of the Tree Advisory Committee, which will be focused on providing advisory services to help protect the Indian Trail tree canopy and natural environment. The proposed amendments will also help ensure guidance related to parks, art, recreation, and cultural enrichment is provided by the PARC Committee, whose mission and expertise is tailored to these areas.

2. This UDO ordinance amendment is in the best interest of the public because it helps facilitate the creation of focused, advisory committees that will ensure that Town Council, staff, and citizens are provided with meaningful and informed guidance.

Mayor Alvarez opened and closed Public comments as no one signed up to speak.

Mayor Alvarez asked Council to reopen public comments for Mr. Fish - Council agreed.

Roger Fish explained the purpose of having a Tree Committee, the history and importance of our trees and ensuring their protection concluding that the PARC Committee agrees with this request.

Mayor Alvarez again closed the public comments portion of the hearing.

David Cohn made a motion to approve the required findings for ZT2013-005 and Comprehensive Plan Consistency Statement as previously read into the record and found in the Draft Ordinance Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

David Cohn made a motion to approve text amendment ZT2013-005 Council voted unanimously in favor of the motion

#### **BUSINESS ITEMS**

*None*

#### **DISCUSSION ITEMS**

- a. Discussion on process to fill ABC Board position

Mr. Fivas inquired what is the process Council wants to go through to select the individual, providing what has been accomplished in the past. Stating that if there is a change now would be the time to do so. By consensus Council agreed to continue as has been done previously.

- b. Discussion on filling vacant Council seat

Mr. Merritt read the statute and advised there is no prescribed method on how the seat is filled. He provided some history on the last 2 vacancies. Ultimately recommending that Council adopts some procedure and follow that. Council had a lengthy discussion on this topic.

David Cohn made a motion to approve the first runner up from the November elections to be the person that the Council appoints after January 31st.

Motion resulted in a tie:

2 in favor -Chris King and David Cohn

2 Opposed – Gordon Daniels and Gary Savoie

Mayor Alvarez broke the tie in favor of the motion, the motion passed.

c. Discussion on PARTF Grant

Mr. Fivas provided an update on the grant advising it will be on the consent agenda on January 28<sup>th</sup>, if there are any questions it's imperative that Council ask prior to that meeting because if it doesn't get approved on that date we won't get it in on time to meet the January 31st deadline.

d. Discussion on Representative for Alliance for South Charlotte Communities

Mr. Fivas advised that this is another appointee that the Council can choose to represent Indian Trail. He requested what process Council wants to perform to fill that position.

Mr. Savoie stated this is an important position and recommends opening it up, see what applicants we receive to get the best person sitting there. By consensus Council agreed, and doing it within 30 days maximum 60 days was suggested by Mr. Daniels.

**MANAGERS REPORT**

*None*

**COUNCIL COMMENTS**

Mr. King had no comments.

Mr. Daniels stated that in his opinion the process is what it is. This is tough process to pick a person to fill this seat, but it's an appointment and not an election. The election ended and this is a new process, we have to look at it as such. If we try to take one process and fit it into another process he believes is wrong. If we want to get the best possible person and that person is the person we've been discussing this evening that will become evident.

Mr. Cohn said he believes it was done the right way, the residents spoke and that's the way they wanted it done. To comment that's not the clean way to do it is shocking that an election is not the clean way to do it. Five people interviewing each applicant for 10 minutes and deciding who should be picked is not the clean way to do it; it's the least transparent way to do anything. He knows for a fact that emails are sent influencing people. He believes the people choose who they wanted; he thanked Mr. King and Mayor Alvarez for doing the right thing. He's hopeful that we will do the right thing in February. The people made the decision and we can't be any more transparent than that.

Mayor Alvarez stated that budget season is in full gear, urging Council to have a couple of public hearings. We need to review all policies and charters, close loopholes and bring to modern times, making sure policies are in order and transparent. Couple of items that need to be addressed is Public Comments and Law Enforcement. He will be putting an item on the agenda for the upcoming meetings and feels it's important to have the committees report to Council so we know what they're doing and provide them support, law enforcement as well. On the Tree Committee he likes the idea of adding beautification to their agenda.

Mr. Savoie state that his comments were not against Mr. Cohn, it was about creating a policy to have a guideline to go forward with.

**CLOSED SESSION**

*None*

**ADJOURN**

Christopher King made a motion to adjourn  
Council voted unanimously in favor of the motion

**APPROVED:**

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**Michael L. Alvarez, Mayor**

Attest:

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Peggy Piontek, Town Clerk





**Town of Indian Trail**  
**Minutes of Town Council**  
**Special Meeting**  
**January 29, 2014**  
**Civic Building**  
**08:05 P.M.**

The following members of the governing body were present:

Mayor: Michael L. Alvarez

Council Members: David Cohn, Gordon B. Daniels, Christopher King, and Gary M. Savoie.

Absent Members: David Waddell

Staff Members: Town Manager Joe Fivas, Town Clerk Peggy Piontek, Town Attorney Keith Merritt, and Assistant Director of Parks & Recreation Jason Tryon.

**CALL MEETING TO ORDER AND PLEDGE OF ALLEGIANCE**

Mayor Alvarez called the meeting to order and lead in the Pledge of Allegiance

### **APPROVAL OF PARTF GRANT APPLICATION**

Christopher King made a motion to approve the PARTF Grant application.

Council voted unanimously in favor of the motion. **(COPY CAN BE FOUND IN THE PARK & RECREATION DEPARTMENT)**

Mayor Alvarez announced that Council Member Waddell was absent from the meeting.

### **3. APPROVAL OF PARK & RECREATION CAPITAL IMPROVEMENT PLAN**

Gordon B. Daniels made a motion to approve the Park & Recreation Capital Improvement Plan.

Council voted unanimously in favor of the motion. **(INFORMATION IS ATTACHED TO THE PARTF GRANT, SEE NOTATION ABOVE)**

### **APPROVAL OF CROOKED CREEK MASTER PLAN**

The Town Council on several occasions has affirmed their consent and approval for the Crooked Creek Master Plan document prepared by Woolpert Inc in 2012. The Town had a substantial public involvement process in the summer/fall of 2012. In preparation for the Town's 2014 PARTF grant application, one of the requests is for the Town's governing body to show support for Master Plan for the park detailed in the PARTF application.

Gary M. Savoie made a motion to approve the Crooked Creek Master Plan.

Council voted unanimously in favor of the motion. **(INFORMATION IS ATTACHED TO THE PARTF GRANT, SEE NOTATION ABOVE)**

Mr. Fivas expressed his appreciation for all who came out for this meeting and advised we have had extremely good feedback from the PARTF Consultant.

**ADJOURN**

Christopher King made a motion to adjourn  
Council voted unanimously in favor of the motion.

**APPROVED:**

---

**Michael L. Alvarez, Mayor**

Attest:

---

**Peggy Piontek, Town Clerk**



**Town of Indian Trail**  
**Minutes of Town Council**  
**Special Meeting**  
**February 5, 2014**  
**Indian Trail United Methodist Church**  
**7:00 P.M.**

The following members of the governing body were present:

Mayor: Michael L. Alvarez

Council Members: David Cohn, Christopher King, Gordon Daniels, and Gary Savoie.

Staff Members: Town Manager Joe Fivas, Town Attorney Keith Merritt and Communications Coordinator Lindsey Edmunds

**CALL MEETING TO ORDER AND PLEDGE OF ALLEGIANCE**

Mayor Alvarez called the meeting to order and lead in the Pledge of Allegiance.

Mayor Alvarez requested Council make a motion to move Item 3, Public Comments, to Item 2 to hear them prior to the Resolution rather than after and Item 2 to Item 3.

Chris King made a motion to approve moving Item 3, Public Comments, to Item 2 and Item 2 to Item 3. Council voted unanimously in favor of the motion.

Paul Frost, a resident of Stallings and recently served as Council Member on Stallings Town Council. He stated that he is against redistricting. He has 4 young children, he feels this redistricting is ill timed and not in the best interest of the students. However he acknowledges there is a problem as the schools are in need of a long term solution but redistricting isn't it, it's a quality of life issue and feels the Resolution should seek an end to redistricting.

Terese Biancardi, Indian Trail stated she moved here from Missouri and the first thing they looked at in North Carolina is the schools for her two kids, a Senior and Seventh Grader in Weddington schools. Ms Biancardi stated that the redistricting was a shock for her family, they moved here six years ago and the neighborhood had just been redistricted. This is the third time that her neighborhood will be redistricted in ten years. She is a former teacher and feels it isn't healthy for kids, it's psychologically detrimental to be unsure of their future, friends, schools, etc. Redistricting affects both the children that are staying and leaving, it's a burden for students that participate in sport; their kids would be a greater distance on busier roads; dangerous to make kids ride on school buses longer. Ms. Biancardi urged Council, as a community to pass the resolution that will help stabilize our community and our children and give them a future that is well deserved, while providing an opportunity for the County Commissioners and School Board to look for long term solution.

Christy Gaines from Providence Hill subdivision stated that she has lived here 18 years, has paid a lot of taxes, has never moved. She has 2 kids; one in Weddington High School and one in Weddington Middle School who are very involved. She feels the redistricting has crushed her family because her children will be leaving kids they've gone to school with for ten years. The bullying has already started, this has torn apart the community, and her neighborhood is landlocked by Mecklenburg County. Twenty Three kids that are affected, 3 of which are in high school and feels it's harder when in high school. Ms. Gaines thanked Council for their time, effort and energy in saying no to this redistricting

Lance Simpson is from the Callenwood Development in Indian Trail. He urged the Town Council to join other communities against redistricting. He moved in 2005 for the schools, the kids attend Weddington schools; they love Weddington schools and Union County for the opportunity and growth. The current redistricting has too many questions and provided statistics pertaining to additional miles they will travel and the dangers that presents. He stated that the Board of Education says that overcrowding is an emergency but he disagrees suggesting that they take the time to use money provided by Board of Commissioners to create long term plan to resolve the problem.

David Drehs, Indian Trail supports Council to pass this resolution. His reasons are different, his son graduated from Sun Valley High School, he is a big proponent of democracy and when you get this many citizens being so active is when it's time for the elected officials to reconsider. He is pleased with comments tonight feels there is a big disconnect between the Board of Education and the citizens they are supposed to service. His son went through redistricting twice, he feels the time to do this is when schools open. Mr. Drehs stated that it's time for the Board of Education and County Commissioners to say that the people don't like it and would be a good thing for communities to not redistrict.

Kielly Fundikum, a resident of Indian Trail stated if you are trying to change something, the community is against it, take that step and pay attention to what they're saying. You may disagree with some of the points, other factors but if the people would prefer something else she feels Council should think of a more collaborative solution.

Council Member Daniels presented the Resolution and explained its intent. He stated that the residents requested we do this and feels it's important to hear their request. Mayor Alvarez read the Resolution for the audience. Council discussed this matter and unanimously approved the passing of the Resolution. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

**APPROVED:**

\_\_\_\_\_  
Michael L. Alvarez Mayor

Attest:

\_\_\_\_\_  
Peggy Piontek, Town Clerk



**Town of Indian Trail**  
**Minutes of Town Council**  
**Special Meeting**  
**February 14, 2014**  
**Civic Building**  
**08:15 A.M.**

The following members of the governing body were present:

Mayor: Michael L. Alvarez

Council Members: David Cohn, Christopher King, Gordon Daniels, and Gary Savoie.

Staff Members: Town Manager Joe Fivas and Town Clerk Peggy Piontek

**CALL MEETING TO ORDER AND PLEDGE OF ALLEGIANCE**

Mayor Alvarez called the meeting to order and lead in the Pledge of Allegiance.

**BUSINESS ITEMS**

- a. Approval of the DENR Community Waste Reduction and Recycling Grant

Mr. Fivas provided a brief description of this matter for Council.

David Cohn made a motion to approve the DENR Community Waste Reduction and Recycling Grant Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

b. Approval of Union County Water & Sewer Agreement for Crooked Creek Park

Mr. Fivas provided a brief description of this matter for Council.

Mr. King inquired as a matter of public record, how long did this request take from the County. Mr. Fivas replied that the conversations started in April or May of last year.

David Cohn made a motion to approve the Union County Water & Sewer Agreement for Crooked Creek Park Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

c. Approval of Chestnut Parkway Mitigation Fee

Mr. Fivas provided a brief description of this matter for Council.

David Cohn made a motion to approve the Chestnut Parkway Mitigation Fee Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

d. Approval of Chestnut Parkway Surety Requirement

Mr. Fivas provided a brief description of this matter for Council.

David Cohn made a motion to approve the Chestnut Parkway Surety Requirement Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

e. Approval of updated Capital Improvement Project Ordinance for Chestnut Parkway

Mr. Fivas provided a brief description of this matter for Council.

Christopher King made a motion the updated Capital Improvement Project Ordinance for Chestnut Parkway Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

f. Amendment to the Construction, Engineering & Inspection Services for Unionville-Indian Trail Road Sidewalk Project

Mr. Fivas provided a brief description of this matter for Council.

Christopher King made a motion to approve the amendment to the Construction, Engineering & Inspection Services for Unionville-Indian Trail Road Sidewalk Project Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

g. Approval of updated Capital Improvement Project Ordinance for C-4957 Unionville-Indian Trail Road Sidewalk Project

Mr. Fivas provided a brief description of this matter for Council.

Mayor Alvarez requested Mr. Fivas to state the amount for the record. Mr. Fivas replied, if approved, it would be no higher than \$15,000.00

Gary Savoie made a motion to approve the updated Capital Improvement Project Ordinance for C-4957 Unionville-Indian Trail Road Sidewalk Project

Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

h. Approval of LGC 203

Mr. Fivas provided a brief description of this matter for Council.

Christopher King made a motion to approve LGC 203

Council voted unanimously in favor of the motion. **(COPY ATTACHED HERETO AND MADE A PART OF THE MINUTES)**

**CLOSED SESSION**

*None*

**ADJOURN**

Gary Savoie made a motion to adjourn

Council voted unanimously in favor of the motion.

**APPROVED:**

\_\_\_\_\_  
**Michael L. Alvarez, Mayor**

Attest: \_\_\_\_\_  
Peggy Piontek, Town Clerk



**TO:** Mayor and Town Council  
**FROM:** Joe Fivas  
**CC:** Marsha Sutton  
**DATE:** January 28, 2014  
**SUBJECT:** Budget Amendments for January 28<sup>th</sup> Meeting

---

Please find attached budget amendments processed through January 22, 2014. Please feel free to call, email, come in or ask any questions you may have regarding these matters.













**TOWN OF INDIAN TRAIL  
BUDGET TO BUDGET AMENDMENT REQUEST**

DATE

1/2/14

DEPARTMENT

Various

Account Number	(Transfer In / Out) Type	Amount	Account Name <u>Description</u>
10-00-4120-397-000	In	4,100 <sup>00</sup>	Contract Services
10-00-4120-260-000	Out	4,100 <sup>00</sup>	Office Supp. & Materials
10-00-5000-325-000	In	50 <sup>00</sup>	Postage
10-00-5000-343-000	In	50 <sup>00</sup>	Printer/Copier Usage
10-00-5000-185-000	Out	100 <sup>00</sup>	Unemp. Insurance
10-20-4510-396-000	In	750 <sup>00</sup>	
10-20-4510-397-000	Out	750 <sup>00</sup>	Contract Services
10-40-4910-396-000	In	400 <sup>00</sup>	Filing Fees
10-40-4910-491-000	Out	400 <sup>00</sup>	Dues & Subscriptions
10-40-4920-315-000	In	100 <sup>00</sup>	Business Expenses
10-40-4920-493-000	In	200 <sup>00</sup>	Event Expenses
10-40-4920-397-000	Out	300 <sup>00</sup>	Contract Services
10-40-4920-493-000	In	410 <sup>00</sup>	July 4th Parade
10-40-4920-493-000	Out	410 <sup>00</sup>	Community Events

Adm  
|  
HR  
|  
Eng.  
|  
Planin  
|  
Comm & Econ  
Devs  
|

**EXPLANATION:**

Reallocate funds within Departments

**REQUESTED BY:**

**FINANCE:**

*Maisha A. Sutton*

**TOWN MANAGER:**

*[Signature]*

For Finance Dept Only:

EFFECTIVE DATE: 1-2-14 JOURNAL NO. ASSIGNED: 398

FISCAL YEAR: 2014 ENTERED: MAM

PERIOD: 7 DATE: 1-2-14







**TO:** Mayor and Town Council  
**FROM:** Joe Fivas  
**DATE:** January 28, 2014  
**SUBJECT:** Tax Refunds greater than \$500

---

Please find attached copies of tax refunds greater than \$500.00

1. Owens, KL - \$550.60 refunded to mortgage company as taxes were previously paid by attorney.
2. Sunbelt Rentals - \$5637.47 refunded to taxpayer. Union County taxes were incorrectly included in payment.
3. Millendorf, Jack - \$552.60 refunded to mortgage company as taxes were previously paid by attorney.
4. Powell, Michael - \$557.89 refunded to mortgage company as taxes were previously paid by the mortgage company.
5. Brucia, Flavia - \$570.62 \$557.89 refunded to mortgage company as taxes were previously paid by the mortgage company.
6. Waste Pro - \$1302.60 refunded to taxpayer as they are not the property owner.
7. Casper, David - \$1170.94 refunded to taxpayer as taxes were previously paid by attorney.
8. Qin, Wenlong - \$546.77 refunded to taxpayer as taxes were previously paid by attorney.
9. Harrell, Dean - \$2716.63 refunded to taxpayer as taxes were previously paid by attorney.
10. Old Monroe Development - \$581.44 refunded to taxpayer as taxes were previously paid by attorney.
11. Centex Homes - \$505.20 refunded to mortgage company as taxes were previously paid by attorney.
12. FS Development - \$753.98 refunded to taxpayer as payment was for incorrect parcel.

If you need any clarification on any of these items, please feel free to contact Marsha Sutton at (704) 821-5401.

**RESOLUTION DIRECTING THE CLERK TO INVESTIGATE**  
**A PETITION RECEIVED UNDER G.S. 160A--31**

**WHEREAS**, petition requesting a contiguous annexation (Annexation #140) of an area described in said petition (07-117-11A) was received on the 11th day of March, 2014, by the Town Council; and

**WHEREAS**, N.C.G.S. Chapter 160A, Article 4A, Parts 1 and 4 provide that the sufficiency of the petition shall be investigated by the Town Clerk of the Town of Indian Trail, North Carolina before further annexation proceedings may take place; and

**WHEREAS**, the Town Council of the Town of Indian Trail, North Carolina deems it advisable to proceed in response to this request for annexation;

**NOW, THEREFORE, BE IT RESOLVED** by the Town Council of the Town of Indian Trail, North Carolina that:

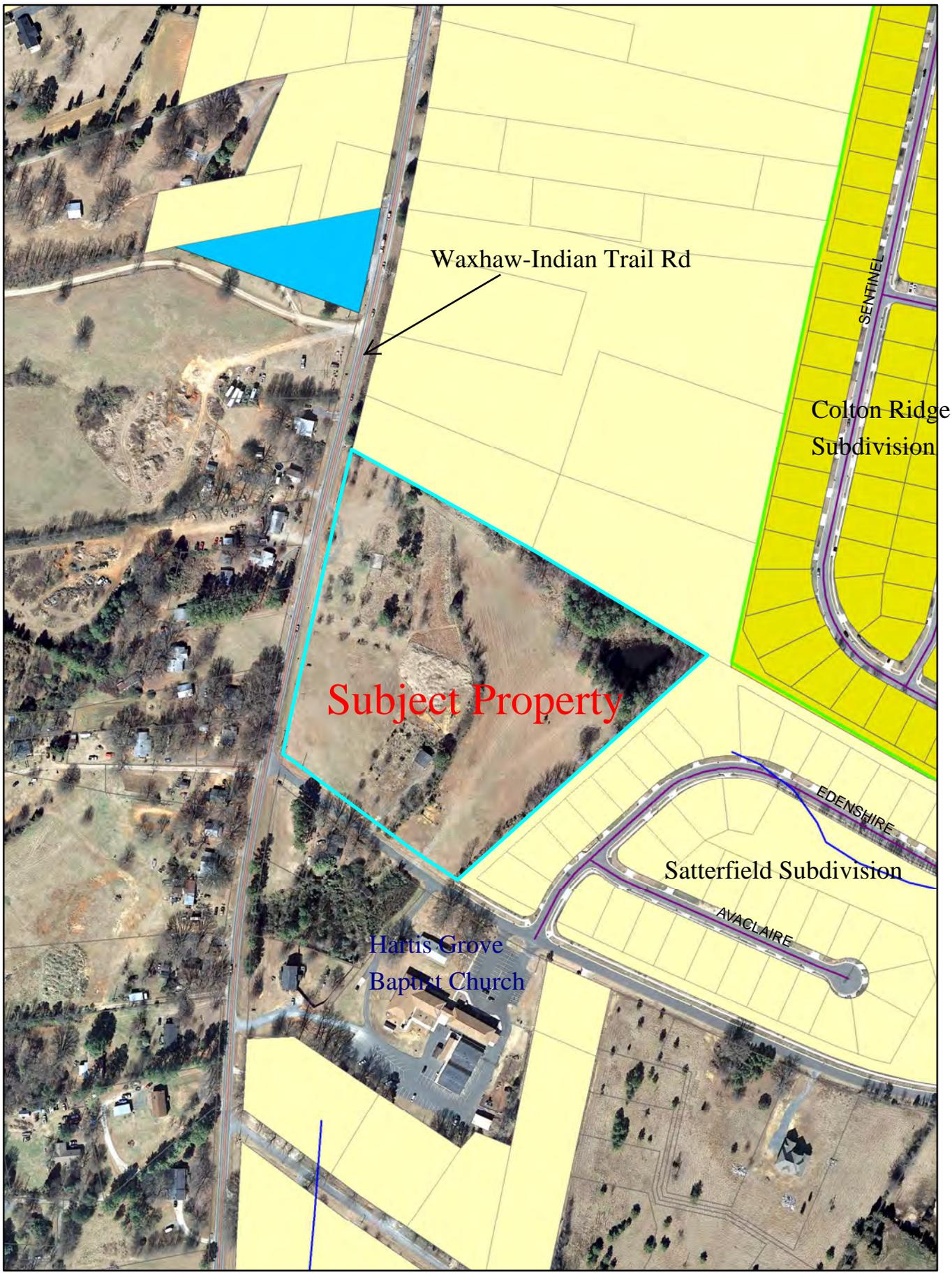
The Town Clerk is hereby directed to investigate the sufficiency of the above described petition and to certify as soon as possible to the Town Council the result of the investigation.

\_\_\_\_\_  
Michael Alvarez, Mayor

ATTEST:

\_\_\_\_\_  
Peggy Piontek, Town Clerk





Annexation Petition #140 Area Map

**CERTIFICATE OF SUFFICIENCY**  
**ANNEXATION PETITION #140 FOR PARCEL 07-117-11A**

**To the Town Council of the Town of Indian Trail, North Carolina:**

I, Peggy S. Piontek, Town Clerk, do hereby certify that I have investigated the petition attached hereto and have found as a fact that said petition is signed by all owners of real property lying in the area described therein, in accordance with G.S. 160A-31.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Town of Indian Trail, North Carolina, this the 11<sup>th</sup> day of March, 2014.

\_\_\_\_\_  
Peggy S. Piontek, Town Clerk



4769  
0758

FILED  
UNION COUNTY  
**CRYSTAL CRUMP**  
**REGISTER OF DEEDS**

FILED Dec 21, 2007  
AT 05:08 pm  
BOOK 04769  
START PAGE 0758  
END PAGE 0761  
INSTRUMENT # 55085  
EXCISE TAX \$1,320.00  
cdc

Union County 12-21-2007  
NORTH CAROLINA  
Excise Tax \$1,320.00

Excise Tax \$1,320.00

Recording Time, Book and Page

Tax Lot No. \_\_\_\_\_ Parcel Identifier No. 07-117-11A  
Verified by UNION County on the \_\_\_\_\_ day of \_\_\_\_\_, 2007  
by \_\_\_\_\_

NCA549086/CHA

Mail after recording to HARTIS GROVE BAPTIST CHURCH OF UNION COUNTY, NORTH CAROLINA  
4224 BLANCHARD CIRCLE, INDIAN TRAIL, NC 28079

This instrument was prepared by JARVIS LAW GROUP, PLLC

Brief description for the Index

**METES AND BOUNDS**

**NORTH CAROLINA GENERAL WARRANTY DEED**

THIS DEED made this 21<sup>ST</sup> day of DECEMBER, 2007, by and between

GRANTOR	GRANTEE
<b>DIMITRIOS P HONDROS BY HIS ATTORNEY IN FACT            KONSTANTINA HONDROS, AND WIFE,            KONSTANTINA HONDROS,            AND            DEMETRE KOURAKOS AND WIFE,            DIMITRA KOURAKOS,            AND            ANDRIGOULA FOTINI HONDROS, UNMARRIED,            AND            SOFIA J. HONDROS, UNMARRIED,</b>	<b>HARTIS GROVE BAPTIST CHURCH OF UNION            COUNTY, NORTH CAROLINA</b>  <b>PROPERTY ADDRESS:</b>  <b>2419 WAXHAW INDIAN TRAIL ROAD            INDIAN TRAIL, NC 28079</b>

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of INDIAN TRAIL, \_\_\_\_\_ Township, UNION County, North Carolina, and more particularly described as follows:

SEE ATTACHED EXHIBIT B FOR LEGAL DESCRIPTION

Together with and subject to any and all covenants, conditions, restrictions, reservations, easements and rights-of-way of public record.

The property hereinabove described was acquired by Grantor by instrument recorded in BOOK 4761 PAGE 726

A map showing the above described property is recorded in Plat Book N/A page N/A

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. Title to the property hereinabove described is subject to the following exceptions:

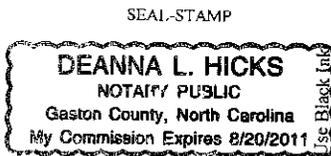
APPLICABLE ZONING; ANY EASEMENTS AND RIGHTS OF WAY FOR SERVICE LINES, ROADS AND UTILITIES AS MAY BORDER OR CROSS THE PROPERTY, INCLUDING THE SUBDIVISION STREETS AS SHOWN ON RECORDED PLAT; ANY EASEMENTS RESERVED IN THE RESTRICTIVE COVENANTS, INCLUDING HOMEOWNERS ASSOCIATION PROVISIONS; APPLICABLE RESTRICTIVE COVENANTS OF RECORD AND STREET ASSESSMENTS; 2007 REAL PROPERTY TAXES; SUBJECT TO MATTERS THAT COULD BE REVEALED BY AN ACCURATE AND CURRENT PHYSICAL SURVEY AND BOUNDARY SURVEY OF THE PROPERTY.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

\_\_\_\_\_  
(Entity Name)  
By: \_\_\_\_\_  
ITS \_\_\_\_\_  
\_\_\_\_\_

Konstantina Hondros (SEAL)  
KONSTANTINA HONDROS  
Andrioula Fotini Hondros (SEAL)  
ANDRIGOULA FOTINI HONDROS  
Demetre Kourakos (SEAL)  
DEMETRE KOURAKOS  
Dimitra Kourakos (SEAL)  
DIMITRA KOURAKOS  
Sofia J. Hondros (SEAL)  
SOFIA J. HONDROS  
Dimitrios P. Hondros by Konstantina Hondros,  
Attorney in fact  
DIMITRIOS P. HONDROS BY KONSTANTINA HONDROS, ATTORNEY IN FACT (SEAL)

USE BLACK INK ONLY



SEAL-STAMP NORTH CAROLINA, Mecklenburg County.  
I, a Notary Public of the County and State aforesaid, certify that KONSTANTINA HONDROS, ANDRIGOULA FOTINI HONDROS, DEMETRE KOURAKOS, DIMITRA KOURAKOS, AND SOFIA J. HONDROS personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 21st day of December, 2007

My commission expires: 8-20-11 Deanna L. Hicks Notary Public

SEE EXHIBIT A FOR ATTORNEY IN FACT NOTARY ACKNOWLEDGEMENT

The foregoing Certificate(s) of \_\_\_\_\_

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

By \_\_\_\_\_ REGISTER OF DEEDS FOR \_\_\_\_\_ UNION \_\_\_\_\_ COUNTY  
Deputy/Assistant - Register of Deeds

EXHIBIT A

North Carolina  
Mecklenburg County

I, Deanna L. Hicks, a Notary Public for said County and State, do hereby certify that Konstantina Hondros, attorney in fact for Dimitrios P. Hondros

personally appeared before me this day, and being duly sworn by me, says that (s)he executed the foregoing and annexed instrument for and in behalf of the said Dimitrios P. Hondros

and that the authority to execute and acknowledge said instrument is contained in an instrument duly executed, acknowledged, and recorded in the office of the Public Registry in the County of Union, State of North Carolina, in Book \_\_\_\_\_ at Page \_\_\_\_\_ and that this instrument was executed under and by virtue of the authority given by said instrument granting the power of attorney.

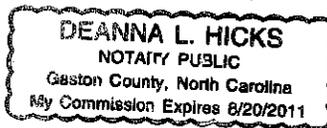
I do further certify that the said Konstantina Hondros acknowledged the due execution of the foregoing and annexed instrument for the purposes therein expressed for and in behalf of the said Dimitrios P. Hondros

Witness my hand and official seal, this 21<sup>st</sup> day of December, 2007.

My commission expires: 8-20-11

Deanna L. Hicks  
Notary Public

(Seal)



## EXHIBIT B

BEGINNING at a PK nail found at the intersection of the centerline of Blanchard Circle (S.R. # 1360) and the centerline of Waxhaw-Indian Trail Road (S.R. # 1008), and from said POINT AND PLACE OF BEGINNING, thence following the centerline of Waxhaw-Indian Trail Road for the following three courses and distances: (1<sup>st</sup>) North 14-58-37 East 441.36 feet to a point; (2<sup>nd</sup>) North 15-40-59 East 184.18 feet to a point; and (3<sup>rd</sup>) North 16-26-45 East 66.87 feet to a point; thence South 58-51-38 East 933.75 feet, passing an axle found at 32.21 feet, to an axle found in the Southwestern line of the now or former James H. Shelby, Jr. and wife Patricia Shelby Property (Deed Book 407, Page 697, Union County Registry); thence South 50-26-15 West 775.50 feet, along the Northwestern line of the now or former 25' Common Area of Satterfield Subdivision (Plat Cabinet I, File 960, Union County Registry), to a point in the centerline of Blanchard Circle, passing an iron set at 744.33 feet; thence along the centerline of Blanchard Circle for the following three courses and distances: (1<sup>st</sup>) North 53-15-09 West 65.93 feet to a point; (2<sup>nd</sup>) North 51-15-24 West 102.82 feet to a point; and (3<sup>rd</sup>) North 50-44-51 West 324.28 feet to the POINT AND PLACE OF BEGINNING, containing 11.47 acres, more or less, as shown on the boundary and physical survey of "11.47 Acres, Intersection of Waxhaw-Indian Trail Road & Blanchard Circle" prepared by Walter Gordon and Associates for Demetre Kourekos et al., dated August 6, 2007, and certified on August 8, 2007 by Walter L. Gordon, N.C.P.L.S. (L-1372).

**RESOLUTION FIXING DATE OF PUBLIC HEARING ON QUESTION  
OF ANNEXATION # 140 for Parcel #07-117-11A PURSUANT TO G.S. 160A-31**

**WHEREAS**, petition requesting annexation of the areas described herein have been received; and

**WHEREAS**, the Town Council has by resolution directed the Town Clerk to investigate the sufficiency of the petition; and

**WHEREAS**, certification by the Town Clerk as to the sufficiency of the petition has been made;

**NOW, THEREFORE, BE IT RESOLVED** by the Town Council of the Town of Indian Trail, North Carolina that:

Section 1. A public hearing on the question of annexation of the area described herein will be held at Town of Indian Trail Civic Building at 6:30 P.M. on the 22nd day of April, 2014.

Section 2. The area proposed for annexation is described as follows:

BEGINNING at a PK nail found at the intersection of the centerline of Blanchard Circle (S.R. # 1360) and the centerline of Waxhaw-Indian Trail Road (S.R. # 1008), and from said POINT AND PLACE OF BEGINNING, thence following the centerline of Waxhaw-Indian Trail Road for the following three courses and distances: (1<sup>st</sup>) North 14-58-37 East 441.36 feet to a point; (2<sup>nd</sup>) North 15-40-59 East 184.18 feet to a point; and (3<sup>rd</sup>) North 16-26-45 East 66.87 feet to a point; thence South 58-51-38 East 933.75 feet, passing an axle found at 32.21 feet, to an axles found in the Southwestern line of the now or former James H. Shelby, Jr. and wife Patricia Shelby Property (Deed Book 407, Page 697, Union County Registry); thence South 50-26-15 West 775.50 feet, along the Northwestern line of the now or former 25' Common Area of Satterfield Subdivision (Plat Cabinet I, File 960, Union County Registry), to a point in the centerline of Blanchard Circle, passing an iron set at 744.33 feet; thence along the centerline of Blanchard Circle for the following three courses and distances: (1<sup>st</sup>) North 53-15-09 West 65.93 feet to a point; (2<sup>nd</sup>) North 51-15-24 West 102.82 feet to a point; and (3<sup>rd</sup>) North 50-44-51 West 324.28 feet to the POINT AND PLACE OF BEGINNING, containing 11.47 acres, more or less, as shown on the boundary and physical survey of "11.47 Acres, Intersection of Waxhaw-Indian Trail Road & Blanchard Circle" prepared by Walter Gordon and Associates for Demetre Kourakos et al., dated August 6, 2007, and certified on August 8, 2007 by Walter L. Gordon, N.C.P.L.S. (L-1372).

Section 3. Notice of the public hearing shall be published in a newspaper having general circulation in the Town of Indian Trail, North Carolina, at least ten (10) days prior to the date of the public hearing.

---

Michael L. Alvarez, Mayor

ATTEST:

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Peggy Piontek, Town Clerk



**TO:** Mayor and Town Council

**FROM:** Janice Cook

**DATE:** March 11, 2014

**SUBJECT:** Request for Release of Interest

---

Each year Union County gives the tax bill information to the printer for each municipality. The bills are verified by each town for accuracy. The printer mails the tax bills to the taxpayer for the town.

The mailing address was incorrect on the parcels 07039066 and 07057184 owned by Kimberly Matthews, which resulted in interest being charged to the accounts. Town staff is recommending releasing the interest from the accounts due to clerical error.

The amount of interest to be released is \$13.18.

**§ 105-381. Taxpayer's remedies.**

(a) **Statement of Defense.** - Any taxpayer asserting a valid defense to the enforcement of the collection of a tax assessed upon his property shall proceed as hereinafter provided.

(1) For the purpose of this subsection, a valid defense shall include the following:

- a. A tax imposed through clerical error;
- b. An illegal tax;
- c. A tax levied for an illegal purpose.

(2) If a tax has not been paid, the taxpayer may make a demand for the release of the tax claim by submitting to the governing body of the taxing unit a written statement of his defense to payment or enforcement of the tax and a request for release of the tax at any time prior to payment of the tax.

(3) If a tax has been paid, the taxpayer, at any time within five years after said tax first became due or within six months from the date of payment of such tax, whichever is the later date, may make a demand for a refund of the tax paid by submitting to the governing body of the taxing unit a written statement of his defense and a request for refund thereof.

(b) **Action of Governing Body.** - Upon receiving a taxpayer's written statement of defense and request for release or refund, the governing body of the taxing unit shall within 90 days after receipt of such request determine whether the taxpayer has a valid defense to the tax imposed or any part thereof and shall either release or refund that portion of the amount that is determined to be in excess of the correct tax liability or notify the taxpayer in writing that no release or refund will be made. The governing body may, by resolution, delegate its authority to determine requests for a release or refund of tax of less than one hundred dollars (\$100.00) to the finance officer, manager, or attorney of the taxing unit. A finance officer, manager, or attorney to whom this authority is delegated shall monthly report to the governing body the actions taken by him on requests for release or refund. All actions taken by the governing body or finance officer, manager, or attorney on requests for release or refund shall be recorded in the minutes of the governing body. If a release is granted or refund made, the tax collector shall be credited with the amount released or refunded in his annual settlement.

(c) **Suit for Recovery of Property Taxes.** -

(1) **Request for Release before Payment.** - If within 90 days after receiving a taxpayer's request for release of an unpaid tax claim under (a) above, the governing body of the taxing unit has failed to grant the release, has notified the taxpayer that no release will be granted, or has taken no action on the request, the taxpayer shall pay the tax. He may then within three years from the date of payment bring a civil action against the taxing unit for the amount claimed.

(2) **Request for Refund.** - If within 90 days after receiving a taxpayer's request for refund under (a) above, the governing body has failed to refund the full amount requested by the taxpayer, has notified the taxpayer that no refund will be made, or has taken no action on the request, the taxpayer may bring a civil action against the taxing unit for the amount claimed. Such action may be brought at any time within three years from the expiration of the period in which the governing body is required to act.

(d) **Civil Actions.** - Civil actions brought pursuant to subsection (c) above shall be brought in the appropriate division of the general court of justice of the county in which the taxing unit is located. If, upon the trial, it is determined that the tax or any part of it was illegal or levied for an illegal purpose, or excessive as the result of a clerical error, judgment shall be rendered therefor with interest thereon at six percent (6%) per annum, plus costs, and the judgment shall be collected as in other civil actions. (1901, c. 558, s. 30; Rev., s. 2855; C. S., s. 7979; 1971, c. 806, s. 1; 1973, c. 564, s. 3; 1977, c. 946, s. 2; 1985, c. 150, s. 1; 1987, c. 127.)



**TO:** Mayor and Town Council

**FROM:** Janice Cook

**DATE:** March 11, 2014

**SUBJECT:** Order to Advertise Delinquent Real Estate for 2013

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According to G.S. 105-369 upon receipt of the delinquent report, the governing body must order the tax collector to advertise the tax liens.

**§ 105-369. Advertisement of tax liens on real property for failure to pay taxes.**

(a) **Report of Unpaid Taxes That Are Liens on Real Property.** - In February of each year, the tax collector must report to the governing body the total amount of unpaid taxes for the current fiscal year that are liens on real property. A county tax collector's report is due the first Monday in February, and a municipal tax collector's report is due the second Monday in February. Upon receipt of the report, the governing body must order the tax collector to advertise the tax liens. For purposes of this section, district taxes collected by county tax collectors shall be regarded as county taxes and district taxes collected by municipal tax collectors shall be regarded as municipal taxes.

(b) Repealed by Session Laws 1983 (Regular Session, 1984), c. 1013.

(b1) **Notice to Owner.** - After the governing body orders the tax collector to advertise the tax liens, the tax collector must send a notice to the record owner of each affected parcel of property, as determined as of the date the taxes became delinquent. The notice must be sent to the owner's last known address by first-class mail at least 30 days before the date the advertisement is to be published. The notice must state the principal amount of unpaid taxes that are a lien on the parcel to be advertised and inform the owner that the name of the record owner as of the date the taxes became delinquent will appear in a newspaper advertisement of delinquent taxes if the taxes are not paid before the publication date. Failure to mail the notice required by this section to the correct record owner does not affect the validity of the tax lien or of any foreclosure action.

(c) **Time and Contents of Advertisement.** - A tax collector's failure to comply with this subsection does not affect the validity of the taxes or tax liens. The county tax collector shall advertise county tax liens by posting a notice of the liens at the county courthouse and by publishing each lien at least one time in one or more newspapers having general circulation in the taxing unit. The municipal tax collector shall advertise municipal tax liens by posting a notice of the liens at the city or town hall and by publishing each lien at least one time in one or more newspapers having general circulation in the taxing unit. Advertisements of tax liens shall be made during the period March 1 through June 30. The costs of newspaper advertising shall be paid by the taxing unit. If the taxes of two or more taxing units are collected by the same tax collector, the tax liens of each unit shall be advertised separately unless, under the provisions of a special act or contractual agreement between the taxing units, joint advertisement is permitted.

The posted notice and newspaper advertisement shall set forth the following information:

- (1) Repealed by Session Laws 2006-106, s. 2, effective for taxes imposed for taxable years beginning on or after July 1, 2006.
- (1a) The name of the record owner as of the date the taxes became delinquent for each parcel on which the taxing unit has a lien for unpaid taxes, in alphabetical order.
- (1b) After the information required by subdivision (1a) of this subsection for each parcel, a brief description of each parcel of land to which a lien has attached and a statement of the principal amount of the taxes constituting a lien against the parcel.
- (2) A statement that the amounts advertised will be increased by interest and costs and that the omission of interest and costs from the amounts advertised will not constitute waiver of the taxing unit's claim for those items.
- (3) In the event the list of tax liens has been divided for purposes of advertisement in more than one newspaper, a statement of the names of all newspapers in which advertisements will appear and the dates on which they will be published.
- (4) A statement that the taxing unit may foreclose the tax liens and sell the real property subject to the liens in satisfaction of its claim for taxes.

(d) **Costs.** - Each parcel of real property advertised pursuant to this section shall be assessed an advertising fee to cover the actual cost of the advertisement. Actual advertising costs per parcel shall be determined by the tax collector on any reasonable basis. Advertising costs assessed pursuant to this subsection are taxes.

(e) **Payments during Advertising Period.** - At any time during the advertisement period, any parcel may be withdrawn from the list by payment of the taxes plus interest that has accrued to the time of payment and a proportionate part of the advertising fee to be determined by the tax collector. Thereafter, the tax collector shall delete that parcel from any subsequent advertisement, but the tax collector is not liable for failure to make the deletion.

(f) **Listing and Advertising in Wrong Name.** - No tax lien is void because the real property to which the lien attached was listed or advertised in the name of a person other than the person in whose name the property should have been listed for taxation if the property was in other respects correctly described on the abstract or in the advertisement.

(g) **Wrongful Advertisement.** - Any tax collector or deputy tax collector who willfully advertises any tax lien knowing that the property is not subject to taxation or that the taxes advertised have been paid is guilty of a Class 3 misdemeanor, and shall be required to pay the injured party all damages sustained in consequence. (1939, c. 310, s. 1715; 1955, c. 993; 1971, c. 806, s. 1; 1983, c. 808, s. 1; 1983 (Reg. Sess., 1984), c. 1013; 1993, c. 539, s. 725; 1994, Ex. Sess., c. 24, s. 14(c); 1999-439, s. 1; 2000-140, s. 73; 2006-106, s. 2.)



**TO:** Mayor and Town Council

**FROM:** Joe Fivas

**CC:** Marsha Sutton

**DATE:** March 11, 2014

**SUBJECT:** Additional Signatories on Town Bank Accounts

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As required by the Local Government Budget and Fiscal Control Act Section 159-24(b) "Except as otherwise provided by law, all checks or drafts on an official depository shall be signed by the finance officer or a properly designated deputy finance officer ..."

The Town would like to recommend the following additions to the Deputy Finance Officers designation:

Carey Warner – Human Resources Manager  
Shelley DeHart – Director of Planning



**TO:** Mayor and Town Council

**FROM:** Joe Fivas

**DATE:** March 11, 2014

**SUBJECT:** Request for removal of Public Safety Committee Member

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At the last Public Safety Advisory Committee meeting, the Committee requested that Council approve the removed of Joseph Carteret for lack of attendance.



**TO:** Mayor and Town Council

**FROM:** Joseph A. Fivas, Town Manager

**DATE:** March 11, 2014

**SUBJECT:** Extension of Application Process for ABC Board

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In January, the Town requested ABC Board applications for the upcoming open Board position. The ABC Board has requested to extend the application process to allow for additional applicants to apply. Staff is recommending extending the application deadline to April 30<sup>th</sup>, 2014. If approved, staff will reopen our process and accept new applications until April 30<sup>th</sup>. The Council would then interview the new candidates in May/June.

## Town of Indian Trail

# Memo

**TO:** Mayor & Town Council

**FROM:** Joe Fivas, Town Manager

**DATE:** March 11, 2014

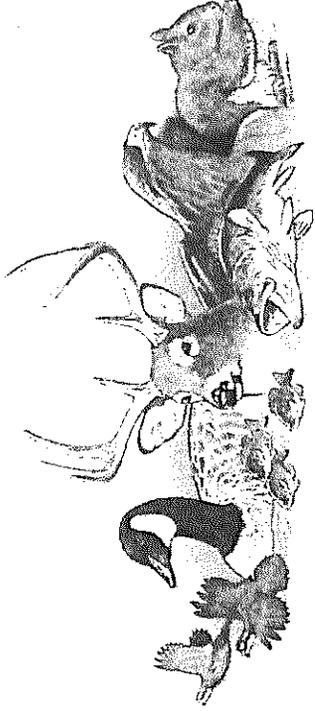
**SUBJECT:** Renewal of Deer Urban Archery 2015  
Season



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Indian Trail has participated in the Urban Archery Season for the past several years by Council approval. If approved we will submit the application for processing.

JAF



## ☒ North Carolina Wildlife Resources Commission ☒

Gordon S. Myers, Executive Director

### Deer Urban Archery Season Renewal Form

Name of Municipality \_\_\_\_\_

County \_\_\_\_\_

Participation in the 2015 Season (dates are Jan. 10 to Feb. 14)      yes      no

It is Wildlife Management policy to provide a complete list of participating municipalities to the hunting public in the *Regulations Digest*.

Please indicate a phone number and/or Internet address for listing in the *2014-2015 Inland Fishing, Hunting and Trapping Regulations Digest*:

Phone \_\_\_\_\_

Internet address \_\_\_\_\_

Are there any changes to the map submitted with your participation letter?    yes    no  
If yes, please attach new map to this form.

Signature of Municipality Representative \_\_\_\_\_

Thank you for your interest in the management of our state's wildlife resources. Please complete and return this form to: Division of Wildlife Management, 1722 Mail Service Center, Raleigh, N.C. 27699-1722 by **April 11, 2014**.

David T. Cobb, Ph.D., Chief  
Division of Wildlife Management  
(919) 707-0050



**TO:** Mayor and Town Council

**FROM:** Kelly Barnhardt  
Director, Parks & Recreation

Jason Tryon,  
Assistant Director, Parks & Recreation

**DATE:** March 11, 2014

**SUBJECT:** Park Update & Park Fee Proposal

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Staff will update the Mayor and Town Council on the status of our construction on Chestnut Square Park and Crooked Crook Park. Staff will also present a fee schedule for these park facilities. Staff has received many inquiries into the future use of these facilities, and we need to have an identified cost before we can book any events.



**TO:** Mayor and Town Council

**FROM:** Joseph A. Fivas, Town Manager

**DATE:** February 7, 2014

**SUBJECT:** Discussion and follow-up from January 11<sup>th</sup> Council Strategic Planning Session

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This is a report and follow-up from the Town Council's January 11<sup>th</sup> Strategic Planning Session. Staff will look for guidance on 5-year Transportation Plan, Economic Development Plan, and Communication's Plan.



**TO:** Mayor and Town Council

**FROM:** Joseph A. Fivas

**DATE:** March 25, 2014

**SUBJECT:** Discussion of Structure of Boards/ Committees

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Staff would like to do a brief discussion of our Board/Committee appointment process, and answer any questions regarding the Boards/Committees.



**TO:** Mayor and Town Council

**FROM:** Joseph A. Fivas, Town Manager

**DATE:** February 7, 2014

**SUBJECT:** Town Law Enforcement Analysis

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The Town Council discussed this agenda item at the January 11<sup>th</sup> Strategic Planning Session. At the January meeting, the Town Council place this item on February 11<sup>th</sup> Town Council meeting for discussion.

jaf

## Town of Indian Trail

# Memo

**TO:** Mayor and Town Council

**FROM:** Joe Fivas, Town Manager

**DATE:** January 28, 2014

**SUBJECT:** Bonterra Streets



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At the January 11<sup>th</sup> Strategic Planning meeting, Council requested this item be placed on the January 28<sup>th</sup> Agenda.



## Town of Indian Trail

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### Memo

TO: Mayor and Town Council

FROM: Scott J. Kaufhold, P.E., Director of Engineering and Public Works

COUNCIL DATE: February 11, 2014

SUBJECT: Traffic Calming 101

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### **General Information:**

The goals of Indian Trail's Neighborhood Traffic Calming Policy, adopted by Council on April 10, 2012, are to reduce speed on residential streets, route cut-through traffic back to collector and arterial roadways, preserve emergency vehicle access, and increase safety for pedestrians. Staff will present to Council a brief overview of traffic calming.



## Town of Indian Trail

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### Memo

TO: Mayor and Town Council

FROM: Scott J. Kaufhold, P.E., Director of Engineering and Public Works

COUNCIL DATE: February 11, 2014

SUBJECT: Traffic Calming Measures for Spanish Moss Road

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#### **Background Information:**

Following receipt of a formal request and signed petition for Traffic Calming measures, staff collected existing traffic data to include both vehicular speed and volume on Spanish Moss Road in the Brandon Oaks subdivision. The data provided warrant for the installation of temporary speed tables as outlined in the Traffic Calming Policy. Temporary speed tables were installed in July, 2013 and a second round of traffic data was collected afterwards to measure the effectiveness of the temporary devices in reducing vehicular speed and volume. The data was presented at the September 18<sup>th</sup> Brandon Oaks HOA meeting and at a public hearing held during the November 12<sup>th</sup> Town Council meeting. At that time, staff was asked to obtain further public input from the affected residents on traffic calming options. The results of this task were presented at the December 10<sup>th</sup> Town Council meeting.

#### **Report Data:**

1) Location map, 2) Resident petition, 3) Pre-temporary speed table installation traffic data, 4) Post-temporary speed table installation traffic data, 5) Map of proposed traffic calming measures, 6) Cost estimates for proposed traffic calming measures

#### **Traffic Calming Options:**

1) Do nothing, 2) install 3 asphalt speed tables, 3) install a temporary (6 month) road closure at Mustang Drive, 4) install a permanent road closure at Mustang Drive

#### **Required Actions:**

1) Select traffic calming measures for Spanish Moss Road  
2) Approve funding for selected traffic calming measures for Spanish Moss Road



### LOCATION MAP

- Legend
- UC Road Centerlines
  - Indian Trail Parcels
  - PROJECT LOCATION



1 inch = 300 feet



## TOWN OF INDIAN TRAIL PETITION FOR TRAFFIC CALMING

We, the homeowners on Spanish Moss Road request the Town of Indian Trail consider installing some form of permanent traffic calming to our street. We understand that the decision to implement a permanent installation may only be made by the Town Council of Indian Trail in accordance with the Town's Neighborhood Traffic Calming Policy.

Property Owner Signature	Address	Phone Number
<i>[Signature]</i>	1028 Spanish Moss Rd	704-942-0201
Diana Seizer	1023 Spanish Moss Rd	704-821-6220
Steph [Signature]	1018 Spanish Moss Rd	704-684-5323
Delia Poplar	1015 Spanish Moss Rd	(704) 684-1381
Arny B. Nava K.	1030 Spanish Moss Rd	704-220-6578
Stephanie Anderson	1027 Spanish Moss Rd	704-220-6312
Kene Atkinson	1029 Spanish Moss	704-628-4280
Amelia [Signature]	1013 Spanish Moss Rd	704-681-2106
Virginia [Signature]	1016 Spanish Moss Rd	704-628-4508
Michelle DeCaro	1012 Spanish Moss Rd	704-661-4017
Carrie Hallyburton	1000 Spanish Moss Rd.	704-525-4199
Conil [Signature]	1017 Spanish Moss Rd.	704-607-2987
rears - Michael Chaffin	2002 Spanish Moss Rd.	443-370-7759
Nancy [Signature]	1025 Spanish Moss Rd	704-821-6517
Marylann Jones	1032 Spanish Moss	704-684-1379
Ginger Smith	2000 Spanish Moss	704-821-0651
Thomas Ford	2003 Spanish Moss Rd	704-499-1913
Suk Yu	1031 Spanish Moss Rd	704-615-8358
Scott Kelly	1019 Spanish Moss	616-638-9199
Gina McManus	1014 Spanish Moss	704-724-3587
Steven Brown	1010 Spanish Moss	704-666-0451
same house - Sharon [Signature]	1008 Spanish Moss	704-254-6929
[Signature]	1006 Spanish Moss	704-628-4421
[Signature]	1006 Spanish Moss	704-628-4421
[Signature]	1004 Spanish Moss	808-344-3504

(Attach additional pages if necessary)





**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
01/29/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	2	2	4	5	2	0	0	0	0	0	0	0	0	0	15
12 PM	2	4	6	4	2	0	0	0	0	0	0	0	0	0	18
13:00	0	0	1	7	2	3	0	0	0	0	0	0	0	0	13
14:00	2	3	3	4	4	0	0	0	0	0	0	0	0	0	16
15:00	4	5	4	10	2	1	0	0	0	0	0	0	0	0	26
16:00	1	5	12	8	3	0	0	0	0	0	0	0	0	0	29
17:00	1	6	7	5	3	0	0	0	0	0	0	0	0	0	22
18:00	1	3	6	6	5	0	0	0	0	0	0	0	0	0	21
19:00	1	1	7	2	1	1	0	0	0	0	0	0	0	0	13
20:00	1	2	6	4	1	1	0	0	0	0	0	0	0	0	15
21:00	0	2	5	1	3	1	0	0	0	0	0	0	0	0	12
22:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>15</b>	<b>33</b>	<b>65</b>	<b>58</b>	<b>29</b>	<b>7</b>	<b>0</b>	<b>207</b>							

Daily

15th Percentile : 13 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 102  
 Percent in Pace : 49.3%  
 Number of Vehicles > 25 MPH : 94  
 Percent of Vehicles > 25 MPH : 45.4%



# SPEED/VOLUME SURVEY

## BRANDON OAKS SUBDIVISION

### SPANISH MOSS ROAD

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
01/30/13	1	1	0	3	0	0	1	0	0	0	0	0	0	0	6
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
02:00	1	0	0	0	1	0	1	0	0	0	0	0	0	0	3
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	1	3	2	0	2	0	0	0	0	0	0	0	9
06:00	1	1	4	1	0	0	0	0	0	0	0	0	0	0	7
07:00	6	10	7	4	6	0	0	0	0	0	0	0	0	0	33
08:00	1	2	13	8	4	1	0	2	0	0	0	0	0	0	29
09:00	1	3	7	4	2	1	1	0	0	0	0	0	0	0	19
10:00	0	1	6	6	4	2	0	0	0	0	0	0	0	0	19
11:00	0	3	2	3	2	0	1	0	0	0	0	0	0	0	11
12 PM	1	3	9	11	4	0	0	0	0	0	0	0	0	0	28
13:00	2	0	5	4	3	1	0	0	0	0	0	0	0	0	15
14:00	3	5	5	8	4	0	1	0	0	0	0	0	0	0	26
15:00	1	3	12	8	6	3	0	0	0	0	0	1	0	0	34
16:00	5	7	8	6	1	0	0	0	0	0	0	0	0	0	27
17:00	2	3	5	9	2	0	1	0	0	0	0	0	0	0	22
18:00	10	8	5	7	3	0	0	0	0	0	0	0	0	0	33
19:00	9	17	5	6	1	0	1	0	0	0	0	0	0	0	39
20:00	109	90	14	4	0	0	0	0	0	0	0	0	0	0	217
21:00	124	15	1	3	0	0	0	0	0	0	0	0	0	0	143
22:00	1	1	2	0	1	1	0	0	0	0	0	0	0	0	6
23:00	4	3	1	2	0	0	1	0	0	0	0	0	0	0	11
<b>Total</b>	<b>283</b>	<b>177</b>	<b>113</b>	<b>101</b>	<b>47</b>	<b>9</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>741</b>

Daily

15th Percentile : 6 MPH  
 50th Percentile : 13 MPH  
 85th Percentile : 25 MPH  
 95th Percentile : 31 MPH

Mean Speed(Average) : 16 MPH  
 10 MPH Pace Speed : 6-15 MPH  
 Number in Pace : 341  
 Percent in Pace : 46.0%  
 Number of Vehicles > 25 MPH : 168  
 Percent of Vehicles > 25 MPH : 22.7%



**SPEED/VOLUME SURVEY**  
**BRANDON OAKS SUBDIVISION**  
**SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
 Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
01/31/13	2	1	1	1	0	0	0	0	0	0	0	0	0	0	5
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
03:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	1	4	2	0	0	0	0	0	0	0	0	0	8
06:00	2	0	5	2	0	2	0	0	0	0	0	0	0	0	11
07:00	1	2	9	9	10	1	0	0	0	0	0	0	0	0	32
08:00	1	7	6	7	7	0	0	0	0	0	0	0	0	0	28
09:00	0	1	2	6	1	0	0	0	0	0	0	0	0	0	10
10:00	1	2	2	4	3	1	1	0	0	0	0	0	0	0	14
11:00	0	0	5	6	0	0	0	0	0	0	0	0	0	0	11
12 PM	0	1	8	4	4	1	1	0	0	0	0	0	0	0	19
13:00	1	1	9	9	7	3	0	0	0	0	0	0	0	0	30
14:00	3	3	5	5	4	0	0	0	0	0	0	0	0	0	20
15:00	0	9	10	7	6	0	0	0	0	0	0	0	0	0	32
16:00	2	4	4	5	0	3	0	0	0	0	0	0	0	0	18
17:00	2	5	7	8	0	0	0	0	0	0	0	0	0	0	22
18:00	2	10	11	6	2	0	0	0	0	0	0	0	0	0	31
19:00	1	3	4	4	1	1	0	0	0	0	0	0	0	0	14
20:00	1	1	6	2	2	0	0	0	0	0	0	0	0	0	12
21:00	2	4	8	5	0	0	0	0	0	0	0	0	0	0	19
22:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
23:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>22</b>	<b>57</b>	<b>108</b>	<b>100</b>	<b>50</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>351</b>						

Daily  
 15th Percentile : 13 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 173  
 Percent in Pace : 49.3%  
 Number of Vehicles > 25 MPH : 164  
 Percent of Vehicles > 25 MPH : 46.7%



**SPEED/VOLUME SURVEY**  
**BRANDON OAKS SUBDIVISION**  
**SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
 Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/01/13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	2	0	0	0	0	0	0	0	3
05:00	1	0	0	4	1	0	0	0	0	0	0	0	0	0	6
06:00	2	1	3	5	0	0	0	0	0	0	0	0	0	0	11
07:00	5	6	10	8	3	0	1	0	0	0	0	0	0	0	33
08:00	3	4	8	7	3	0	0	0	0	7	0	0	0	0	25
09:00	0	3	5	3	2	0	0	0	0	0	0	0	0	0	13
10:00	0	7	2	2	3	0	0	0	0	0	0	0	0	0	14
11:00	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
12 PM	1	3	4	2	1	0	0	0	0	0	0	0	0	0	11
13:00	1	0	4	2	4	0	0	0	0	0	0	0	0	0	11
14:00	3	2	2	1	2	0	0	0	0	1	0	0	0	0	10
15:00	0	3	3	3	3	0	0	0	0	0	0	0	0	0	12
16:00	1	0	8	4	2	0	0	0	0	0	0	0	0	0	15
17:00	2	1	2	4	1	0	0	0	0	4	0	0	0	0	10
18:00	3	1	1	4	4	0	0	0	0	0	0	0	0	0	13
19:00	0	0	1	6	2	1	0	0	0	0	0	0	0	0	10
20:00	0	0	2	3	1	1	0	0	0	0	0	1	0	0	7
21:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>22</b>	<b>32</b>	<b>59</b>	<b>60</b>	<b>33</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216</b>

Daily  
 15th Percentile : 11 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 35 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 97  
 Percent in Pace : 44.9%  
 Number of Vehicles > 25 MPH : 103  
 Percent of Vehicles > 25 MPH : 47.7%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	76	999	Total
02/02/13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4
06:00	0	1	1	3	0	0	1	0	0	0	0	0	0	0	0	6
07:00	2	0	0	1	1	1	0	0	0	0	0	0	0	0	0	5
08:00	0	1	3	3	2	1	1	0	0	0	0	0	0	0	0	11
09:00	1	2	0	1	3	2	1	0	0	0	0	0	0	0	0	10
10:00	1	1	5	5	6	2	0	0	0	0	0	0	0	0	0	20
11:00	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	6
12 PM	0	4	5	3	3	0	0	0	0	0	0	0	0	0	0	15
13:00	1	0	4	5	1	1	0	0	0	0	0	0	0	0	0	12
14:00	2	3	0	5	1	0	0	0	0	0	0	0	0	0	0	11
15:00	0	1	0	4	2	0	0	0	0	0	0	0	0	0	0	7
16:00	2	2	3	6	2	0	0	0	0	0	0	0	0	0	0	15
17:00	0	4	1	2	2	0	0	0	0	0	0	0	0	0	0	9
18:00	1	1	2	1	0	1	0	0	0	0	0	0	0	0	0	6
19:00	0	3	2	3	0	0	0	0	0	0	0	0	0	0	0	8
20:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	5
21:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	2	2	1	0	2	0	0	0	0	0	0	0	0	7
23:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>11</b>	<b>27</b>	<b>33</b>	<b>54</b>	<b>24</b>	<b>10</b>	<b>7</b>	<b>0</b>	<b>166</b>							

Daily

15th Percentile : 13 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 74  
 Percent in Pace : 44.6%  
 Number of Vehicles > 25 MPH : 95  
 Percent of Vehicles > 25 MPH : 57.2%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/03/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
05:00	0	0	1	0	0	0	2	0	0	0	0	0	0	0	3
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
08:00	1	0	3	1	0	1	0	0	0	0	0	0	0	0	6
09:00	2	0	1	3	2	1	0	0	0	0	0	0	0	0	9
10:00	1	0	0	0	3	1	1	0	0	0	0	0	0	0	6
11:00	2	2	2	4	1	1	0	0	0	0	0	0	0	0	12
12 PM	1	1	6	0	1	0	0	0	0	0	0	0	0	0	9
13:00	0	1	2	1	2	1	0	0	0	0	0	0	0	0	7
14:00	1	3	1	1	2	0	0	0	0	0	0	0	0	0	8
15:00	0	2	2	3	1	0	0	0	0	0	0	0	0	0	8
16:00	1	1	3	3	1	0	0	0	0	0	0	0	0	0	9
17:00	1	1	3	1	0	0	0	0	0	0	0	0	0	0	6
18:00	2	0	4	2	0	0	0	0	0	0	0	0	0	0	8
19:00	0	1	2	5	1	0	0	0	0	0	0	0	0	0	9
20:00	0	3	2	1	2	0	0	0	0	0	0	0	0	0	8
21:00	0	0	4	1	2	1	0	0	0	0	0	0	0	0	8
22:00	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
23:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>13</b>	<b>15</b>	<b>38</b>	<b>31</b>	<b>24</b>	<b>7</b>	<b>5</b>	<b>0</b>	<b>133</b>						

Daily

15th Percentile : 12 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 58  
 Percent in Pace : 43.6%  
 Number of Vehicles > 25 MPH : 67  
 Percent of Vehicles > 25 MPH : 50.4%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/04/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	4	1	1	0	0	0	0	0	0	0	0	7
06:00	1	3	2	1	2	0	0	0	0	0	0	0	0	0	9
07:00	2	5	5	7	2	0	1	0	0	0	0	0	0	0	22
08:00	0	2	4	4	2	0	0	0	0	0	0	0	0	0	12
09:00	0	2	3	2	1	1	1	0	0	0	0	0	0	0	10
10:00	1	1	1	4	1	0	0	0	0	0	0	0	0	0	8
11:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
12 PM	0	1	0	0	3	0	0	0	0	0	0	0	0	0	4
13:00	1	1	2	2	2	1	0	0	0	0	0	0	0	0	9
14:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
15:00	1	1	3	4	0	0	0	0	0	0	0	0	0	0	9
16:00	1	4	2	1	1	0	0	0	0	0	0	0	0	0	9
17:00	0	1	5	5	3	1	0	0	0	0	0	0	0	0	15
18:00	0	2	3	1	1	1	0	0	0	0	0	0	0	0	8
19:00	0	1	6	2	1	0	0	0	0	0	0	0	0	0	10
20:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>27</b>	<b>37</b>	<b>44</b>	<b>21</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>144</b>						

Daily

15th Percentile : 13 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 35 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 68  
 Percent in Pace : 47.2%  
 Number of Vehicles > 25 MPH : 72  
 Percent of Vehicles > 25 MPH : 50.0%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
02/05/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	1	2	2	1	0	0	0	0	0	0	0	0	8
06:00	2	0	2	5	2	0	0	0	0	0	0	0	0	0	11
07:00	3	2	3	3	2	2	1	0	0	0	0	0	0	0	16
08:00	0	0	4	5	1	1	0	0	0	0	0	0	0	0	11
09:00	0	2	0	0	2	1	3	0	0	0	0	0	0	0	8
10:00	0	1	3	2	3	1	1	0	0	0	0	0	0	0	11
11:00	1	1	1	2	1	1	0	0	0	0	0	0	0	0	7
12 PM	0	1	1	2	1	0	0	0	0	0	0	0	0	0	5
13:00	0	1	0	2	1	1	0	0	0	0	0	0	0	0	5
14:00	1	2	1	1	1	2	1	0	0	0	0	0	0	0	9
15:00	0	1	8	6	0	0	0	0	0	0	0	0	0	0	15
16:00	1	1	3	6	2	0	0	0	0	0	0	0	0	0	13
17:00	0	1	1	4	1	1	0	0	0	0	0	0	0	0	8
18:00	2	1	3	4	1	0	0	0	0	0	0	0	0	0	11
19:00	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
20:00	1	0	0	1	1	0	1	0	0	0	0	0	0	0	4
21:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>12</b>	<b>15</b>	<b>35</b>	<b>48</b>	<b>24</b>	<b>12</b>	<b>9</b>	<b>0</b>	<b>155</b>						

Daily

15th Percentile : 13 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 71  
 Percent in Pace : 45.6%  
 Number of Vehicles > 25 MPH : 93  
 Percent of Vehicles > 25 MPH : 60.0%



# SPEED/VOLUME SURVEY

## BRANDON OAKS SUBDIVISION

### SPANISH MOSS ROAD

Date Start: 29-Jan-13  
Date End: 06-Feb-13

Lane1, Lane2

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
02/06/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	4	1	0	0	0	0	0	0	0	0	0	6
06:00	2	1	3	3	1	1	0	0	0	0	0	0	0	0	11
07:00	1	3	6	4	4	1	0	0	0	0	0	0	0	0	19
08:00	0	2	4	3	2	1	0	2	0	0	0	0	0	0	12
09:00	0	1	3	0	1	0	0	0	0	0	0	0	0	0	5
10:00	3	1	1	4	5	1	0	0	0	0	0	0	0	0	15
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>7</b>	<b>9</b>	<b>18</b>	<b>18</b>	<b>14</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>73</b>						

Daily

15th Percentile : 12 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 30  
 Percent in Pace : 41.1%  
 Number of Vehicles > 25 MPH : 39  
 Percent of Vehicles > 25 MPH : 53.4%

<b>Grand Total</b>	<b>393</b>	<b>392</b>	<b>506</b>	<b>514</b>	<b>266</b>	<b>70</b>	<b>41</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2186</b>
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Overall

15th Percentile : 8 MPH  
 50th Percentile : 20 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 35 MPH

Mean Speed(Average) : 20 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 795  
 Percent in Pace : 36.4%  
 Number of Vehicles > 25 MPH : 895  
 Percent of Vehicles > 25 MPH : 40.9%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
07/05/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	3	8	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
16:00	1	6	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
17:00	12	9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
18:00	0	2	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
19:00	0	2	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
20:00	2	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
21:00	0	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
22:00	27	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
23:00	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>45</b>	<b>43</b>	<b>41</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>151</b>																					

Daily

15th Percentile : 6 MPH  
 50th Percentile : 15 MPH  
 85th Percentile : 23 MPH  
 95th Percentile : 27 MPH

Mean Speed(Average) : 16 MPH  
 10 MPH Pace Speed : 8-17 MPH  
 Number in Pace : 64  
 Percent in Pace : 42.4%  
 Number of Vehicles > 25 MPH : 22  
 Percent of Vehicles > 25 MPH : 14.6%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/06/13	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	1	1	3	0	1	0	0	0	0	0	0	0	0	0	6
08:00	3	1	5	1	0	0	0	0	0	0	0	0	0	0	10
09:00	3	1	2	1	1	0	0	0	0	0	0	0	0	0	8
10:00	0	1	6	2	1	0	0	0	0	0	0	0	0	0	10
11:00	2	7	1	4	0	0	0	0	0	0	0	0	0	0	14
12 PM	1	5	1	1	0	1	0	0	0	0	0	0	0	0	9
13:00	2	7	8	5	2	0	0	0	0	0	0	0	0	0	24
14:00	0	2	7	4	0	0	0	1	0	4	0	0	0	0	14
15:00	6	7	7	3	0	1	0	0	0	0	0	0	0	0	24
16:00	21	5	3	5	1	0	0	0	0	0	0	0	0	0	35
17:00	1	6	4	4	1	0	0	0	0	0	0	0	0	0	16
18:00	1	3	5	4	0	0	0	0	0	0	0	0	0	0	13
19:00	21	5	3	1	0	0	0	0	0	0	0	0	0	0	30
20:00	6	1	4	1	0	0	0	0	0	0	0	0	0	0	12
21:00	1	2	5	1	0	0	0	0	0	0	0	0	0	0	9
22:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
23:00	1	1	2	1	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>73</b>	<b>62</b>	<b>68</b>	<b>39</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>252</b>

Daily

15th Percentile : 7 MPH  
 50th Percentile : 15 MPH  
 85th Percentile : 25 MPH  
 95th Percentile : 29 MPH

Mean Speed(Average) : 17 MPH  
 10 MPH Pace Speed : 7-16 MPH  
 Number in Pace : 101  
 Percent in Pace : 40.1%  
 Number of Vehicles > 25 MPH : 49  
 Percent of Vehicles > 25 MPH : 19.4%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/07/13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	3	0	2	1	1	0	0	0	0	0	0	0	0	0	7
08:00	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6
09:00	3	2	2	3	0	0	0	0	0	0	0	0	0	0	10
10:00	5	2	1	1	2	0	0	0	0	0	0	0	0	0	11
11:00	3	1	4	4	0	0	0	0	0	0	0	0	0	0	12
12 PM	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
13:00	3	3	5	2	0	0	0	0	0	0	0	0	0	0	13
14:00	2	4	3	4	0	0	0	0	0	0	0	0	0	0	13
15:00	2	2	4	6	0	1	0	0	0	0	0	0	0	0	15
16:00	3	4	5	6	2	0	0	0	0	0	0	0	0	0	20
17:00	20	3	2	2	1	0	0	0	0	0	0	0	0	0	28
18:00	1	1	1	6	2	0	0	0	0	0	0	0	0	0	11
19:00	20	32	19	4	1	0	0	0	0	0	0	0	0	0	76
20:00	1	2	3	3	1	0	0	0	0	0	0	0	0	0	10
21:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
22:00	0	1	3	5	1	0	0	0	0	0	0	0	0	0	10
23:00	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3
Total	69	66	64	54	11	1	0	0	0	0	0	0	0	0	265

Daily

15th Percentile : 7 MPH  
 50th Percentile : 16 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 29 MPH

Mean Speed(Average) : 17 MPH  
 10 MPH Pace Speed : 8-17 MPH  
 Number in Pace : 102  
 Percent in Pace : 38.5%  
 Number of Vehicles > 25 MPH : 66  
 Percent of Vehicles > 25 MPH : 24.9%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/08/13	1	2	0	0	1	0	0	0	0	0	0	0	0	0	4
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	2	0	0	3	0	0	0	0	0	0	0	0	0	0	5
07:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
08:00	1	4	4	1	3	0	0	0	0	0	0	0	0	0	13
09:00	0	2	5	3	2	0	0	0	0	0	0	0	0	0	12
10:00	2	0	8	1	1	1	0	0	0	0	0	0	0	0	13
11:00	0	1	1	9	0	0	0	0	0	0	0	0	0	0	11
12 PM	3	11	7	4	1	0	0	0	0	0	0	0	0	0	26
13:00	1	3	8	5	1	0	0	0	0	0	0	0	0	0	18
14:00	0	3	5	4	0	0	0	0	0	0	0	0	0	0	12
15:00	4	3	3	7	1	1	0	0	0	0	0	0	0	0	19
16:00	2	5	0	4	1	0	0	0	0	0	0	0	0	0	12
17:00	3	5	7	3	1	0	0	0	0	3	0	0	0	0	19
18:00	0	3	6	4	2	0	0	0	0	0	0	0	0	0	15
19:00	3	3	4	6	1	0	0	0	0	0	0	0	0	0	17
20:00	2	6	4	1	0	0	0	0	0	1	0	0	0	0	13
21:00	4	9	5	1	0	0	0	0	0	0	0	0	0	0	19
22:00	1	3	6	0	0	0	0	0	0	0	0	0	0	0	10
23:00	3	1	2	1	0	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>33</b>	<b>64</b>	<b>81</b>	<b>58</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>255</b>							

Daily

15th Percentile : 10 MPH  
 50th Percentile : 19 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 31 MPH

Mean Speed(Average) : 20 MPH  
 10 MPH Pace Speed : 18-27 MPH  
 Number in Pace : 116  
 Percent in Pace : 45.5%  
 Number of Vehicles > 25 MPH : 77  
 Percent of Vehicles > 25 MPH : 30.2%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/09/13	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	1	0	1	1	0	0	0	0	0	0	0	0	0	5
06:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
07:00	0	2	3	4	0	0	0	0	0	0	0	0	0	0	9
08:00	1	0	3	2	1	0	0	0	0	0	0	0	0	0	7
09:00	4	1	5	1	1	0	0	0	0	0	0	0	0	0	12
10:00	0	4	9	3	1	0	0	0	0	0	0	0	0	0	17
11:00	0	2	7	5	2	0	0	0	0	0	0	0	0	0	16
12 PM	0	0	3	1	1	0	0	0	0	0	0	0	0	0	5
13:00	2	12	10	2	3	0	0	0	0	0	0	0	0	0	29
14:00	0	7	8	3	0	0	0	0	0	0	0	0	0	0	18
15:00	1	5	5	5	2	0	0	0	0	0	0	0	0	0	18
16:00	2	5	3	4	0	0	0	0	0	0	0	0	0	0	14
17:00	2	6	7	9	2	0	0	0	0	0	0	0	0	0	26
18:00	3	0	2	7	4	0	0	0	0	0	0	0	0	0	16
19:00	4	3	5	4	1	0	0	0	0	0	0	0	0	0	17
20:00	3	6	3	6	0	0	0	0	0	0	0	0	0	0	18
21:00	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
22:00	1	2	9	0	0	0	0	0	0	0	0	0	0	0	12
23:00	1	0	1	3	1	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>27</b>	<b>58</b>	<b>94</b>	<b>62</b>	<b>20</b>	<b>0</b>	<b>261</b>								

Daily

15th Percentile : 11 MPH  
 50th Percentile : 20 MPH  
 65th Percentile : 27 MPH  
 95th Percentile : 31 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 19-28 MPH  
 Number in Pace : 129  
 Percent in Pace : 49.4%  
 Number of Vehicles > 25 MPH : 82  
 Percent of Vehicles > 25 MPH : 31.4%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/10/13	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	0	3	2	1	1	0	0	0	0	0	0	0	0	0	7
08:00	2	3	8	6	1	0	0	0	0	0	0	0	0	0	20
09:00	2	1	2	2	0	0	0	0	0	0	0	0	0	0	7
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	2	0	0	1	1	0	0	0	0	0	0	0	0	0	4
12 PM	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
13:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
14:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
15:00	2	1	3	1	0	0	0	0	0	0	0	0	0	0	7
16:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
17:00	29	12	3	1	0	0	0	0	0	0	0	0	0	0	45
18:00	1	7	3	0	0	0	0	0	0	0	0	0	0	0	11
19:00	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
20:00	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
21:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
22:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
23:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>47</b>	<b>39</b>	<b>37</b>	<b>19</b>	<b>4</b>	<b>0</b>	<b>146</b>								

Daily

15th Percentile : 6 MPH  
 50th Percentile : 14 MPH  
 85th Percentile : 24 MPH  
 95th Percentile : 28 MPH

Mean Speed(Average) : 16 MPH  
 10 MPH Pace Speed : 7-16 MPH  
 Number in Pace : 63  
 Percent in Pace : 43.2%  
 Number of Vehicles > 25 MPH : 23  
 Percent of Vehicles > 25 MPH : 15.8%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/11/13	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
09:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
10:00	0	4	0	1	0	0	0	0	0	0	0	0	0	0	5
11:00	1	0	3	1	1	0	0	0	0	0	0	0	0	0	6
12 PM	0	3	4	0	0	0	0	0	0	0	0	0	0	0	7
13:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
14:00	4	3	3	0	0	0	0	0	0	0	0	0	0	0	10
15:00	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7
16:00	0	4	4	0	0	0	0	0	0	0	0	0	0	0	8
17:00	1	4	3	1	1	0	0	0	0	0	0	0	0	0	10
18:00	1	2	4	1	0	0	0	0	0	0	0	0	0	0	8
19:00	2	0	4	1	1	0	0	0	0	0	0	0	0	0	8
20:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
22:00	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>11</b>	<b>32</b>	<b>43</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>98</b>								

Daily

15th Percentile : 10 MPH  
 50th Percentile : 18 MPH  
 85th Percentile : 24 MPH  
 95th Percentile : 28 MPH

Mean Speed(Average) : 19 MPH  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 56  
 Percent in Pace : 57.1%  
 Number of Vehicles > 25 MPH : 12  
 Percent of Vehicles > 25 MPH : 12.2%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/12/13	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
07:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
08:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
09:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
10:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
11:00	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
12 PM	1	5	3	0	2	0	0	0	1	0	0	0	0	0	12
13:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
14:00	2	1	1	1	0	0	0	0	0	0	0	0	0	0	5
15:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
16:00	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8
17:00	1	3	0	3	0	0	0	0	0	0	0	0	0	0	7
18:00	2	2	3	0	0	0	0	0	0	0	0	0	0	0	7
19:00	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
20:00	1	1	3	1	0	0	0	0	0	0	0	0	0	0	6
21:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5
22:00	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>17</b>	<b>30</b>	<b>34</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>94</b>

Daily

15th Percentile : 8 MPH  
 50th Percentile : 17 MPH  
 85th Percentile : 24 MPH  
 95th Percentile : 28 MPH

Mean Speed(Average) : 18 MPH  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 46  
 Percent in Pace : 48.9%  
 Number of Vehicles > 25 MPH : 13  
 Percent of Vehicles > 25 MPH : 13.8%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
07/13/13	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
09:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4
10:00	1	0	5	0	0	0	0	0	0	0	0	0	0	0	6
11:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12 PM	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5
13:00	1	7	3	2	1	0	0	0	0	0	0	0	0	0	14
14:00	4	1	4	2	0	0	0	0	0	0	0	0	0	0	11
15:00	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
16:00	2	8	3	2	1	0	0	0	0	0	0	0	0	0	16
17:00	1	3	5	2	0	0	0	0	0	0	0	0	0	0	11
18:00	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5
19:00	3	2	2	0	1	0	0	0	0	0	0	0	0	0	8
20:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
21:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
22:00	0	2	4	1	0	0	0	0	0	0	0	0	0	0	7
23:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>22</b>	<b>41</b>	<b>38</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>114</b>								

Daily

15th Percentile : 8 MPH  
 50th Percentile : 16 MPH  
 85th Percentile : 23 MPH  
 95th Percentile : 27 MPH

Mean Speed(Average) : 17 MPH  
 10 MPH Pace Speed : 15-24 MPH  
 Number in Pace : 57  
 Percent in Pace : 50.0%  
 Number of Vehicles > 25 MPH : 13  
 Percent of Vehicles > 25 MPH : 11.4%



**SPEED/VOLUME SURVEY  
BRANDON OAKS SUBDIVISION  
SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	14	0	0	1	0	0	0	0	0	0	0	0	0	0	15
09:00	9	1	1	0	0	0	0	0	0	0	0	0	0	0	11
10:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
11:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
12 PM	4	0	2	0	1	0	0	0	0	0	0	0	0	0	7
13:00	1	4	0	1	0	0	0	0	0	0	0	0	0	0	6
14:00	4	5	0	1	0	0	0	0	0	0	0	0	0	0	10
15:00	1	3	2	1	0	0	0	0	0	0	0	0	0	0	7
16:00	2	1	1	2	3	0	0	1	0	0	0	0	0	0	10
17:00	3	2	5	4	0	0	0	0	4	0	0	0	0	0	14
18:00	14	3	2	0	0	0	0	0	0	0	0	0	0	0	19
19:00	0	2	0	2	1	0	0	0	0	0	0	0	0	0	5
20:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
21:00	1	2	5	0	0	0	0	0	0	0	0	0	0	0	8
22:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>71</b>	<b>29</b>	<b>24</b>	<b>14</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144</b>

Daily

15th Percentile : 5 MPH  
 50th Percentile : 11 MPH  
 85th Percentile : 22 MPH  
 95th Percentile : 28 MPH

Mean Speed(Average) : 14 MPH  
 10 MPH Pace Speed : 5-14 MPH  
 Number in Pace : 76  
 Percent in Pace : 52.8%  
 Number of Vehicles > 25 MPH : 20  
 Percent of Vehicles > 25 MPH : 13.9%



**SPEED/VOLUME SURVEY**  
**BRANDON OAKS SUBDIVISION**  
**SPANISH MOSS ROAD**

Date Start: 05-Jul-13  
 Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/15/13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10:00	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6
11:00	0	3	1	1	0	0	0	0	0	0	0	0	0	0	5
12 PM	0	2	6	0	0	0	0	0	0	0	0	0	0	0	8
13:00	1	2	2	2	0	0	0	0	0	0	0	0	0	0	7
14:00	1	4	4	0	0	0	0	0	0	0	0	0	0	0	9
15:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
16:00	1	2	2	1	0	0	0	0	0	0	0	0	0	0	6
17:00	1	2	3	0	1	0	0	0	0	0	0	0	0	0	7
18:00	0	5	2	3	0	0	0	0	0	0	0	0	0	0	10
19:00	0	3	9	1	0	0	0	0	0	0	0	0	0	0	13
20:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
21:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7
22:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
23:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>9</b>	<b>33</b>	<b>41</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>96</b>								

Daily

15th Percentile : 11 MPH  
 50th Percentile : 19 MPH  
 85th Percentile : 24 MPH  
 95th Percentile : 27 MPH

Mean Speed(Average) : 19 MPH  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 55  
 Percent in Pace : 57.3%  
 Number of Vehicles > 25 MPH : 13  
 Percent of Vehicles > 25 MPH : 13.5%



# SPEED/VOLUME SURVEY

## BRANDON OAKS SUBDIVISION

### SPANISH MOSS ROAD

Date Start: 05-Jul-13  
Date End: 16-Jul-13

Lane1, Lane2

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/16/13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
07:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
09:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
11:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
12 PM	1	1	3	2	0	0	0	0	0	0	0	0	0	0	7
13:00	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
14:00	0	2	0	3	0	0	0	0	0	0	0	0	0	0	5
15:00	2	1	4	0	0	0	0	0	0	0	0	0	0	0	7
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>10</b>	<b>19</b>	<b>10</b>	<b>6</b>	<b>0</b>	<b>45</b>									

Daily

15th Percentile : 8 MPH  
 50th Percentile : 15 MPH  
 85th Percentile : 23 MPH  
 95th Percentile : 27 MPH

Mean Speed(Average) : 16 MPH  
 10 MPH Pace Speed : 12-21 MPH  
 Number in Pace : 23  
 Percent in Pace : 51.1%  
 Number of Vehicles > 25 MPH : 6  
 Percent of Vehicles > 25 MPH : 13.3%

<b>Grand Total</b>	<b>434</b>	<b>516</b>	<b>575</b>	<b>313</b>	<b>75</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1921</b>
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Overall

15th Percentile : 7 MPH  
 50th Percentile : 17 MPH  
 85th Percentile : 25 MPH  
 95th Percentile : 29 MPH

Mean Speed(Average) : 18 MPH  
 10 MPH Pace Speed : 15-24 MPH  
 Number in Pace : 805  
 Percent in Pace : 41.9%  
 Number of Vehicles > 25 MPH : 396  
 Percent of Vehicles > 25 MPH : 20.6%



**BRANDON OAKS  
SUBDIVISION  
SPANISH MOSS ROAD**

Proposed  
Traffic Calming  
Design Layout

LEGEND	
	ROADWAY CENTERLINES
	RAISED ASPHALT SPEED TABLES
	TEMPORARY/PERMANENT ROAD CLOSURE



1 inch = 100 feet





**TOWN OF INDIAN TRAIL  
SPANISH MOSS ROAD TRAFFIC CALMING OPTIONS  
COST ESTIMATES**

Line Item	Item Type	Item Description	Quantity	Unit	Unit Price	Amount
<b>ASPHALT SPEED TABLES</b>						
1	SP1	Mobilization	1	LS	\$1,000.00	\$1,000.00
2	SP2	Raised Asphalt Speed Tables (include milling & thermo striping)	3	EA	\$5,000.00	\$15,000.00
3	SP3	Signage	1	LS	\$300.00	\$300.00
4	SP4	Traffic Control	1	LS	\$500.00	\$500.00
<b>Subtotal for Asphalt Speed Tables</b>						<b>\$16,800.00</b>

Line Item	Item Type	Item Description	Quantity	Unit	Unit Price	Amount
<b>TEMPORARY ROAD CLOSURE</b>						
1	SP1	Mobilization	1	LS	\$500.00	\$500.00
2	SP2	Small tree in large tree pot	4	EA	\$1,000.00	\$4,000.00
3	SP3	Signage	1	LS	\$300.00	\$300.00
<b>Subtotal for Temporary Road Closure</b>						<b>\$4,800.00</b>

Line Item	Item Type	Item Description	Quantity	Unit	Unit Price	Amount
<b>PERMANENT ROAD CLOSURE</b>						
1	SP1	Mobilization	1	LS	\$1,000.00	\$1,000.00
2	SP2	Grading (Demo, Grading, and Landscaping)	1	LS	\$6,000.00	\$6,000.00
3	SP3	Asphalt Pavement	180	TN	\$85.00	\$15,300.00
4	SP4	Curb and Gutter	320	LF	\$20.00	\$6,400.00
5	SP5	Signage	1	LS	\$300.00	\$300.00
6	SP6	Traffic Control	1	LS	\$1,000.00	\$1,000.00
<b>Subtotal for Permanent Road Closure</b>						<b>\$30,000.00</b>