



**AGENDA
CITY OF WINDCREST, TEXAS**

SPECIAL CITY COUNCIL MEETING

July 06, 2015

6:00 P.M.

NOTICE IS HEREBY GIVEN THAT A SPECIAL WINDCREST CITY COUNCIL MEETING WILL BE HELD AT WINDCREST CITY HALL, 8601 MIDCROWN, WINDCREST, TEXAS ON THE 6th DAY OF JULY 2015 STARTING AT 6:00 P.M. DURING THE MEETING THE FOLLOWING SUBJECTS WILL BE CONSIDERED AND THE COUNCIL MAY TAKE ACTION ON ANY OF THE LISTED SUBJECTS.

THE CITY COUNCIL RESERVES THE OPTION TO RECESS THE MEETING DURING THE EVENING OF JULY 06, 2015 AND TO RECONVENE THE MEETING ON THE FOLLOWING DAY, JULY 07, 2015 AT 9:00 A.M. AT THE WINDCREST CITY HALL, 8601 MIDCROWN, WINDCREST, TEXAS.

IT IS ANTICIPATED THAT MEMBERS OF OTHER CITY BOARDS, COMMISSIONS AND COMMITTEES MAY ATTEND THE MEETING IN NUMBERS THAT MAY CONSTITUTE A QUORUM OF SUCH OTHER CITY BOARDS, COMMISSIONS AND COMMITTEES, SO THAT NOTICE IS HEREBY GIVEN THAT THE MEETING IS ALSO A MEETING OF THE OTHER CITY BOARDS, COMMISSIONS AND COMMITTEES WHOSE MEMBERS ARE IN ATTENDANCE. THE MEMBERS OF THE OTHER CITY BOARDS, COMMISSIONS AND COMMITTEES MAY PARTICIPATE IN DISCUSSIONS WHICH OCCUR AT THE MEETING, BUT NO ACTION WILL BE TAKEN BY THE OTHER BOARDS, COMMISSIONS AND COMMITTEES WHOSE MEMBERS ARE IN ATTENDANCE.

Ordinance No. 618 (09/20/10), Repealing Ordinance No. 593

At all City Council, City Commission or City Board meetings, the agenda shall include a "citizens to be heard" item. It is suggested that Citizens wishing to speak during this item sign in on the sign up roster prior to the meeting. During "citizens to be heard" comments, each individual may speak on an agenda item or any other matter affecting the city. In addition to the "citizens to be heard" portion of meetings, a person may make comments on agenda items prior to the vote on the agenda item. A member of the public will have a total of six (6) minutes to be heard during a City Council, City Commission or City Board Meeting. This does not include any responses from the body. The six (6) minutes time limit authorized herein may not be transferred to another speaker in whole or in part. The presiding Officer or his/her designee will assign a Time Keeper to each meeting. The Time Keeper will maintain strict compliance of the six (6) minute rule, stopping speakers who exceed the allotted time. As authorized by Section 551.042 of the Texas Government Code, the Presiding Officer may direct a City Official to make a statement of specific factual information in

response to an inquiry made by a member of the public or of the City Council, or; a recitation of existing policy in response to an inquiry made by a member of the public or the City Council. Any deliberation of or decision about the subject of the inquiry shall be limited to a proposal to place the subject on the agenda for a subsequent meeting. Any question posed by a Citizen, Council Member, Board Member or Commission Member for which an answer is not available at a meeting shall be answered by a member of the staff or Presiding Officer at the next regular meeting of the Body, if an answer is reasonably available and prudent. If the information is sensitive, staff will seek advice from the City Attorney.

REQUEST ALL PAGERS AND CELL PHONES BE TURNED OFF, EXCEPT EMERGENCY ON-CALL PERSONNEL. CITIZENS ARE ASKED TO REFRAIN FROM TALKING DURING COUNCIL PROCEEDINGS.

Meeting Chair: please remind each participant in your meeting that they must speak into a microphone; the recording is the Official Minutes of your meeting and all who speak must be recorded. All guest speakers and citizens to be heard must speak from podium. Please interrupt speakers during meeting if you recognize that they are not speaking into microphone and have them do so.

I. Call to Order, Pledge of Allegiance, Invocation and Announcement

II. Citizens to be Heard on Subsequent and Non-Subsequent Agenda Items

1. A member of the public will have three (3) minutes to discuss non-subsequent agenda items.
2. A member of the public will have six (6) minutes to discuss subsequent agenda items.
3. City Council may discuss and respond to current and past agendas on subsequent and non-subsequent agenda items by citizens to be heard.

III. Presentation

City Council will receive a presentation from Chief Ballew retiring K-9 Rocky and introduce K-9 Marshall.

IV. Ordinances **"In conjunction with the first reading of an ordinance, a motion should be made to either "reject the proposed ordinance" or "to forward the proposed ordinance to a subsequent City Council meeting for final adoption at its second reading".**

NONE

V. Resolutions

1. City Council will review, discuss and may take action on Resolution No. 2015-544(R), a resolution authorizing the city manager to renew an annual contract with the City of San Antonio for police/fire department radio services for a fee of \$17,632.08. (Att. 1)
2. City Council will review, discuss and may take action on Resolution No. 2015-545(R), a resolution approving the purchase of a splash pad from Vortex USA and authorizing the city manager to negotiate and

execute a contract for such purchase. (Att. 2) (Ref: 06.18.15 BCWCID#10 http://windcresttx.granicus.com/MediaPlayer.php?view_id=8&clip_id=1501 // 07.01.15 P&R http://windcresttx.granicus.com/MediaPlayer.php?view_id=8&clip_id=1510)

3. City Council will review, discuss and may take action on Resolution No. 2015-546(R), a resolution electing a Mayor Pro Tempore. (Att. 3)

VI. Discuss and Act

1. City Council will review, discuss and may take action on a request from the BCWCID#10 regarding additional office space and address the following concerns.
 - a. How much office space would be available to BCWCID#10?
 - b. Who is going to pay for the engineering and architect work required?
 - c. Will BCWCID#10 be required to pay all costs for office improvements for BWCID#10 as well as new offices for the city staff that gave up their current office space?
 - d. Will BCWCID#10 need to renegotiate the current lease with the City of Windcrest?
2. City Council will review, discuss and may take action on the Traffic Study done regarding Windrock Drive and Eaglecrest to Montgomery Road. (Att. 4)
3. City Council will review, discuss and may take action on a proposal to restrict or prohibit the short term rental or use of residences in the City of Windcrest, including specifically homeaway rentals.
4. City Council will review, discuss and may take action on the City's public hearing policy.
5. City Council will review, discuss and may take action to conduct a full investigation into all aspects of the operations and financial status of the Windcrest Volunteer Fire Department and its Fire Department Association.
6. City Council will review, discuss and may take action to take all steps necessary to hire an interim fire chief.

VII. General Announcements & Future Agenda Items Requested

Per Ordinance No. 618, repealing Ordinance No. 593; Section 9: Every agenda shall include an item entry granting a member the opportunity to propose an item for

consideration of future agendas for Regular or Special Meetings. Any member may request the inclusion of such items at any meeting.

VIII. Adjournment

The City Council reserves the right to retire into executive session whenever it is considered necessary and legally justified under the Texas Government Code, Subchapter D, Sections 551.071 et. seq. including, but not limited to, consultation with attorney, real property, prospective gifts, personnel matters, exclusion of witness, security devices, and economic development matters.

I, the undersigned authority, do hereby certify that the above Notice of Meeting of the City Council of the City of Windcrest is a true and correct copy of said Notice and was posted on the bulletin board at City Hall of said City in a convenient place to the public and said Notice was posted more than seventy-two hours prior to the meeting on July 06, 2015.

By:  , City Secretary

In compliance with the Americans With Disabilities Act, the City of Windcrest Council Chambers are wheelchair accessible, and accessible parking spaces are available. The City of Windcrest will provide for reasonable accommodations for persons attending City Council meetings. To better serve you, requests should be received 48 hours prior to the meetings. Please contact Kelly Rodriguez, City Secretary, at 210-655-0022 ext. 2150 or Fax 210-655-8776.

I certify that the attached notice and agenda of items to be considered by the City Council was removed by me from the City Hall bulletin board on the ____ July, 2015.

____ Title: _____



City Council Agenda Item Report

July 6, 2015

Contact – Chief Al Ballew
aballew@windcrest-tx.gov

Resolution #: 2015-544(R)

SUBJECT: Deliberation and possible action on a resolution to renew the contract with the City of San Antonio for Police/Fire radio services.

1. BACKGROUND/HISTORY

The Windcrest Police Department Communications Unit working through the City of San Antonio Radio System is responsible for and dispatches all calls for service in the City of Windcrest for police response inclusive of 911 Emergencies. The Communications Unit also assists with Windcrest Fire/Rescue response in conjunction with Bexar County Fire Alarm. In addition, continuous communication with the San Antonio Police Department and the Bexar County Sheriff's Office is maintained for both Windcrest Police and City of Windcrest Public Safety.

2. FINDINGS/CURRENT ACTIVITY

Request to renew the annual contract with the City of San Antonio for Police/Fire radio services, with funds from the following: General Fund – Police Department (PD-IT Software, Hardware and Supplies) and WCCPD (Maintenance on Equipment). This item was approved by City Council and the WCCPD Board respectively in the FY2014-2015 budget.

3. FINANCIAL IMPACT

\$4,132.08 funding is available from Police Department Budget (PD-IT) and \$13,500.00 funding is available from WCCPD Budget (Maintenance on Equipment) for total funding of \$17,632.08.

4. ACTION OPTIONS/RECOMMENDATION

Staff recommends Council to approve the renewal of the contract with the City of San Antonio for Police/Fire radio services.



City of San Antonio Invoice

Bill To			Facility Location	
WINDCREST POLICE DEPARTMENT 8601 MIDCROWN WINDCREST TX 78239			WINDCREST POLICE DEPARTMENT 8601 MIDCROWN WINDCREST TX 78239	
Invoice Date	Invoice Number	Customer Number	Due Date	Responsible Department
06/10/15	90875955	2718	07/10/15	ITSD 207-8449
Billed for entire Fiscal Year June 1, 2015 thru May 30, 2016 Monthly 77 Radios x 12 Months = 924 2 Talk Groups x 12 = 24				
Description		Quantity	Rate	Amount
Public Safety Radios		924.000	18.0000	16,632.00
Talk Groups- June 2015- May 30, 2016		24.000	41.6700	1,000.08
Serv Date	Ordin/Preced Doc	Reference Document	Subtotal	
06/10/15		90875955	\$ 17,632.08	
			Tax	
			0.00	
			Total Amount Due	
			\$ 17,632.08	

**QUESTIONS REGARDING
THIS INVOICE SHOULD BE MADE TO:
ITSD
PHONE NUMBER 207-8449**

0900000000271800908759550000017632088

DETACH AND RETURN BOTTOM PORTION WITH YOUR PAYMENT



City of San Antonio
Financial Services Division
Revenue Collections
PO Box 839975
San Antonio, TX 78283-3975

Payer Name and Address :

WINDCREST POLICE DEPARTMENT
8601 MIDCROWN
WINDCREST TX 78239

Facility Location :

WINDCREST POLICE DEPARTMENT
8601 MIDCROWN
WINDCREST TX 78239

Due Date	Amount Due	Amount Enclosed
07/10/15	\$ 17,632.08	

Invoice Date	06/10/15
Invoice Number	90875955
Paid By Customer	2718

0900000000271800908759550000017632088



City of San Antonio
Financial Services Division
Revenue Collections
PO Box 839975
San Antonio, TX 78283-3975

RETURN SERVICE REQUESTED

WINDCREST POLICE DEPARTMENT
8601 MIDCROWN
WINDCREST TX 78239



RESOLUTION NUMBER 2015-544(R)

A RESOLUTION AUTHORIZING THE CITY MANAGER TO RENEW AN ANNUAL CONTRACT WITH THE CITY OF SAN ANTONIO FOR POLICE/FIRE DEPARTMENT RADIO SERVICES FOR A FEE OF \$17,632.08.

WHEREAS, it will promote the safety and welfare of the citizens of the City of Windcrest to renew an annual contract with the City of San Antonio for Police/Fire Department radio services; and

WHEREAS, the City of Windcrest City Council desires to authorize the renewal of an annual contract with the City of San Antonio for Police/Fire Department radio services in accordance with purchasing guidelines.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Windcrest, Texas, that:

1. The renewal of an annual contract with the City of San Antonio for Police/Fire Department radio services for a fee of \$17,632.08 is approved.
2. The City Manager is authorized to renew said contract.

DULY PASSED AND APPROVED, on the ____ day of _____, 2015 at a regular meeting of the City Council of the City of Windcrest, Texas, which meeting was held in compliance with the Open Meetings Act, Tex. Gov't. Code, §551.001, et. seq. at which meeting a quorum was present and voting.

CITY OF WINDCREST, TEXAS

Alan Baxter, Mayor

ATTEST:

Kelly Rodriguez, City Secretary

APPROVED:

Michael S. Brenan, City Attorney



RESOLUTION NUMBER 2015-545(R)

A RESOLUTION APPROVING THE PURCHASE OF A SPLASH PAD FROM VORTEX USA AND AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE A CONTRACT FOR SUCH PURCHASE

WHEREAS, it would enhance the health, safety and welfare of the citizens of the City of Windcrest for the City to purchase a splash pad from Vortex USA.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Windcrest, Texas, that:

1. The purchase of a splash pad from Vortex USA not to exceed the amount of \$48,000.00 is hereby approved.
2. The City Manager is authorized to negotiate and execute a contract for such purchase on behalf of the city.

DULY PASSED AND APPROVED, on the ____ day of _____ 2015 at a regular meeting of the City Council of the City of Windcrest, Texas, which meeting was held in compliance with the Open Meetings Act, Tex. Gov't. Code, §551.001, et. seq. at which meeting a quorum was present and voting.

Alan Baxter, Mayor

ATTEST:

Kelly Rodriguez, City Secretary

APPROVED AS TO FORM:

Michael S. Brennan, City Attorney



RESOLUTION NO. 2015-546(R)

A RESOLUTION ELECTING A MAYOR PRO TEMPORE

WHEREAS, Section 3.11 of the City Charter requires the election of a Mayor Pro Tempore;
and

WHEREAS, there has not been an election of a Mayor Pro Tempore since the general
election in November of 2013; and

WHEREAS, PAMELA DODSON has carried over the position of Mayor Pro Tempore from
a time prior to the election of November of 2013; and

WHEREAS, the City Council wishes to elect a Mayor Pro Tempore to fulfill its charter
responsibility.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF
WINDCREST, TEXAS that _____ is hereby elected as Mayor Pro Tempore of the
City of Windcrest and will assume said office upon taking his oath of office.

PASSED and APPROVED this ____ day of July, 2015.

ALAN BAXTER, MAYOR

ATTEST:

KELLY RODRIGUEZ, CITY SECRETARY

APPROVED AS TO FORM:

MICHAEL S. BRENNAN, CITY ATTORNEY

2015-546(R)

TRAFFIC STUDY

Windrock Drive Eaglecrest Blvd – Montgomery Rd City of Windcrest

Prepared for:



City of Windcrest
8601 Midcrown Drive
Windcrest, Texas

Prepared by:



Civil Engineering Consultants
11550 IH 10 West, Suite 395
San Antonio, Texas

Prepared In Cooperation with:



AC Group, LLC
5838 Cliffbrier Drive
San Antonio, Texas

May 2015
E0519800



We Make A Difference

TRAFFIC STUDY
Windrock Drive
Eaglecrest Blvd to Montgomery Rd
City of Windcrest

1. BACKGROUND

Windrock Drive serves as a neighborhood collector street within the City of Windcrest from Eaglecrest Boulevard to Montgomery Road. The roadway has a pavement width of 44 feet with no pavement markings. With exception of an all-way stop control at Hickory Hollow, traffic on Windrock Drive is unimpeded between Eaglecrest Boulevard and Montgomery Road. Like other neighborhood streets within the City of Windcrest, the speed limit on Windrock Drive is 20 miles per hour. The perception of the residents was that the traffic on Windrock Drive was operating in excess of the speed limit and creating an unsafe condition within the residential neighborhood.

2. APPROACH

At the request of the City of Windcrest, the traffic volumes and vehicle speeds were observed along Windrock Drive. Traffic volumes were observed and recorded on Thursday, April 30, 2015 and on Saturday, May 2, 2015. Speed classification observations were made and recorded on Thursday, April 30, 2015. (Traffic data attached).

Traffic counts were made at the major access streets to the portion of Windcrest east of Eaglecrest Boulevard. The traffic volumes were recorded on a typical weekday and on a Saturday for 24-hour periods and tabulated in 15-minute increments. The purpose of the counts was to determine if there may be a significant amount of non-local traffic using Windrock Drive as a shortcut to bypass Eaglecrest Boulevard and/or New World. Traffic counts were also made on the approaches to the intersection of Windrock Drive and Brook Falls to determine if an all-way stop control would be warranted at the intersection and to observe how the traffic volumes on Windrock Drive and on Brook Falls varied from the volumes at Eaglecrest Boulevard and at Montgomery Road.

The vehicular speeds were observed and recorded on Windrock Drive with the use of pneumatic tubes strategically spaced on the roadway. The locations of the speed classification set ups were between Golden Point and Teal way, between Spindrift and Meadow Grove, and between Brook Falls and Hidden Hollow

3. OBSERVATIONS

The observed speed data indicated average speed of the traffic on Windrock ranged from 21 miles per hour to 27 miles per hour. Of the 1,950 observations over a 24 hour period:

- 14.1% observed traveling between 26 and 30 miles per hour,
- 4.6% traveling between 31-35 miles per hour,

- 1.6% traveling 36-40 miles per hour, and
- 1.8% traveling in excess of 40 miles per hour.

The speeding in excess of 40 miles per hour was observed to occur after 6 PM. The traffic speeds observed between 30 and 40 miles per hour generally occurred after 8 AM, while the speeds in excess of 20 miles per hour were observed at all hours.

The sidewalks along Windrock are three feet in width. In the course of the traffic study, the traffic along Windrock Drive was observed during off-peak traffic periods. Many pedestrians, some walking their dogs, were observed walking along the side of Windrock Drive on the pavement as opposed to the narrow sidewalk.

4. DISCUSSION

Speeding. The operating speeds of the vehicular traffic on Windrock Drive are significantly higher than the posted speed of 20 miles per hour. Based only on observed vehicular speeds, the posted speed limit on a roadway is generally set at the 85th percentile of the observed speeds. This is based on the concept that 85 percent of the drivers operate their vehicles at a reasonable and prudent speed. This is based on numerous studies around the country and is a basis of establishing speed limits on public roads in Texas as per the Texas Transportation Code. The observed 85th percentile speeds on Windrock Drive ranged from 24 miles per hour to 34 miles per hour.

However, there are other factors involved in determining speed limits, including proximity to schools and residential neighborhoods. Section 545.351 of the Transportation Code states that the operator of a vehicle “*may not drive at a speed greater than is reasonable and prudent under the circumstances then existing.*” The operator may not drive a vehicle at a speed greater than is reasonable and prudent under the conditions and having regard for actual and potential hazards then existing. And an operator shall drive at an appropriate reduced speed if a special hazard exists with regard to traffic, including pedestrians, or weather, or highway conditions. Sections 545.353 through 545.356 enumerate the authority of various subdivisions and agencies of the State to alter the speed limits. For each agency, an engineering and traffic investigation is required to alter the speed limit. Section 545.355 grants authority to the commissioners court of a county to establish a 20 mile per hour speed limit in a residence district, unless the roadway has been designated as a major thoroughfare by a city planning commission.

Crestway Drive and Eaglecrest Boulevard could be considered as major thoroughfares. As previously stated, Windrock Drives serves as a residential neighborhood collector, collecting and distributing residential traffic onto Eaglecrest Boulevard and onto Montgomery Road.

A reason for the excessive operating speeds on Windrock Drive is due in part to the wide open street. The Federal Highway Administration published a document, “*Road Diet Informational Guide*,” in November 2014. The document describes numerous studies and circumstances where too much roadway resulted in safety concerns, including excessive speeds. The concept of the road diet is narrow the travel way to encourage slower traffic operation. The studies documented in the *Road Diet Informational Guide* showed that narrowing the travel way resulted in slower operating speeds.

Cut Thru Traffic. A means of determining the magnitude of non-local traffic cutting through the neighborhood would be to compare the amount of entering and exiting trips with the national average of entering and exiting trips for a residential neighborhood. There are 237 residential homes north and east of Windrock Drive and directly accessing Windrock Drive that would use Windrock Drive or Spanish Moss as the primary access into and out of the neighborhood. There are 133 garden homes between Windrock Drive and Eaglecrest Boulevard that have access into and out of the neighborhood other than using Windrock Drive. Using the 9th Edition of the TRIP GENERATION Manual, published by the Institute of Transportation Engineers, the national average of trips generated by a single family residential development is 9.52 trips per home per weekday and 9.91 trips per home per Saturday. The 237 homes could be expected to generate an average of 2,256 trips a day entering and exiting the neighborhood and 2,349 trips per day on a Saturday.

The observed volume of traffic entering and exiting the neighborhood via Windrock Drive and Spanish Moss on a weekday was 2,321 vehicles per day. Based on the observed traffic volumes on Brook Falls at Eaglecrest Boulevard and at Windrock, and additional 108 vehicles from east of Windrock Drive utilized Brook Falls to enter and exit the neighborhood, for a total of 2,429 vehicles per day. Compared with the national average, it would appear that the neighborhood may be experiencing as many as 173 cut through trips a day. However, accepting a variance of 5% of the national average the number of cut through trips could be as low as 60 trips per day to as many as 286 trips per day.

The observed volume of traffic entering and exiting the neighborhood via Windrock Drive and Spanish Moss on a Saturday was 2,280 vehicles per day, including the observed traffic volumes on Brook Falls at Eaglecrest Boulevard and at Windrock. Compared with the national average, it would appear that the neighborhood may be experiencing as many as 49 cut through trips a day.

5. REMEDIATION

Providing channelization markings along Windrock Drive would reduce the perceived roadway width. A four-inch wide double yellow centerline would reduce the roadway to two 22-foot wide lanes. The two 22-foot wide lanes would serve to encourage the vehicles to remain on their respective sides of the roadway but not give much perception to narrower lanes.

Midcrown Drive and Crestway Drive have been channelized with diagonal striping near the curb lines and providing a narrower through lane in each direction near the center of the roadway. This channelization, along with the strict speed enforcement the City of Windcrest is known to provide along these streets, has resulted in reasonable operating speeds on these two roadways. The diagonal striping provides for on-street parking in front of the many homes that front along Crestway Drive between Midcrown Drive and Eaglecrest Boulevard and along Midcrown Drive between Winfield Boulevard and Crestway Drive.

While there are several residential driveways accessing Windrock Drive, there are no homes directly fronting the roadway. Among other roadway users besides the normal vehicles and the pedestrians previously mentioned, there are several residents that use golf carts in the portion of Windcrest east of Eaglecrest. These are residents who use the Windcrest golf facilities west of

Eaglecrest. The City of Windcrest has posted a golf cart crossing sign on Eaglecrest in advance of the all-way stop control at Crescent Falls/Balfour Drive to accommodate some of the golf cart users desiring to cross Eaglecrest Boulevard.

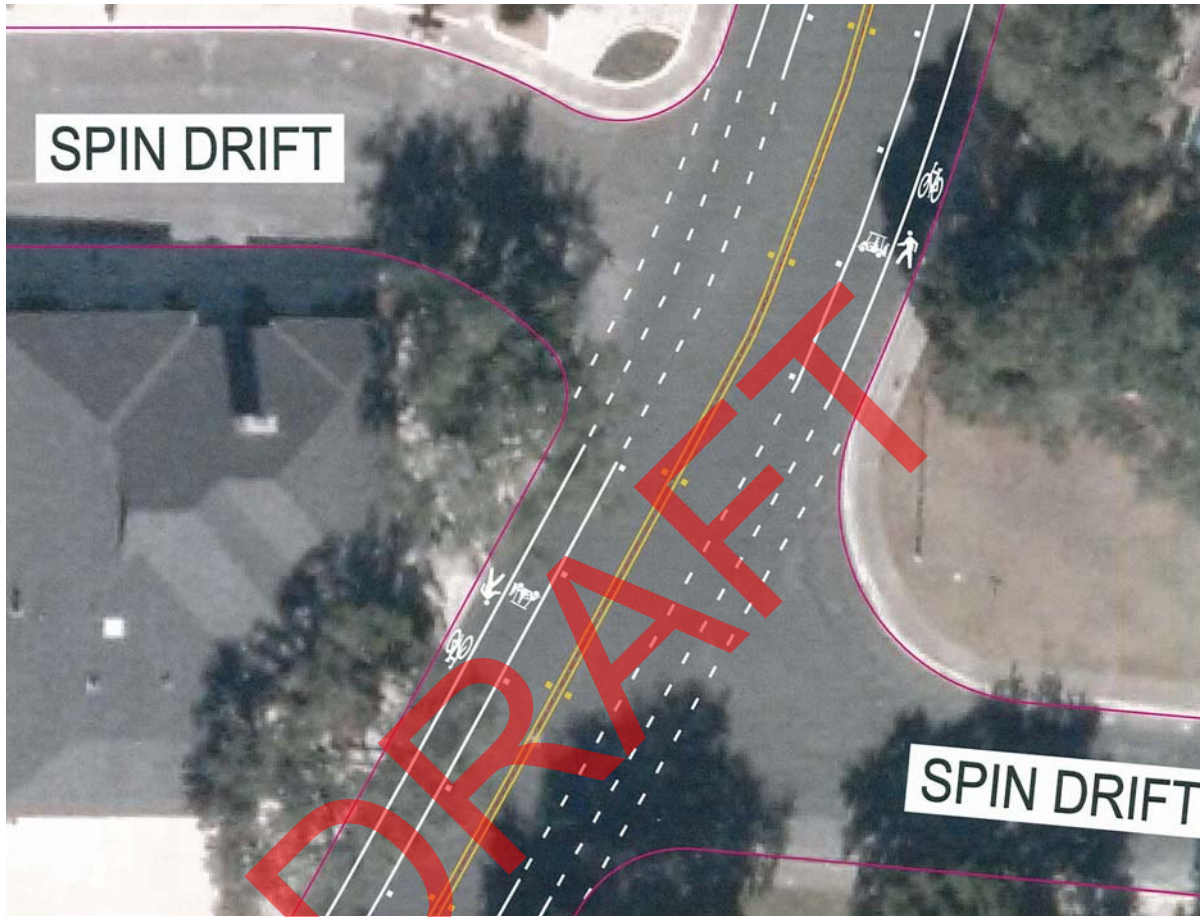


On-street parking along Windrock is not necessary and should be prohibited. In lieu of diagonal striping along Windrock Drive to reduce the vehicular travel lanes, a portion of the roadway could be designated for golf carts. Another portion of the roadway could be designated for bicycles or pedestrians. A typical stand-alone golf cart path is 7-8 feet in width. A typical bicycle lane is 5-6 feet in width.

The 44-feet of pavement width along Windrock Drive could be channelized to provide:

- Two 11- foot wide vehicular travel lanes separated by a solid double yellow centerline,
- Two 6-foot wide golf cart lanes, separated from the travel lanes by a solid 8-inch wide white line, and
- Two 5-foot wide bicycle lanes separated from the golf cart lanes by a solid 8-inch wide white line.

The bicycle lane could be marked with pavement markings depicting bicycle and pedestrian markings to accommodate the current users of the roadway. Typical pavement markings are shown below. The centerline markings would be supplemented with reflector markers spaced 40 feet apart and the separation between the regular travel lane and the golf cart lane would be supplemented with white reflector markers spaced 20 feet apart.



6. OTHER IMPROVEMENTS

- Brook Falls and Windrock Drive. In addition to an implementation of a road diet for Windrock Drive, other accommodations for the roadway users could be implemented. Such as improving pedestrian access to the duck pond and hiking trails in the southwest quadrant of Brook Falls and Windrock Drive. Pedestrian crossing markings could be placed across Brook Falls just west of Windrock Drive and across Windrock Drive just south of Brook Falls. To provide safety for the pedestrian crossing, an all-way stop control could be implemented for the intersection of Windrock Drive and Brook Falls. The vehicular traffic volumes on Brook Falls would not warrant the all-way stop control, but the safety of the pedestrians crossing Windrock could justify the installation.

- Windrock and Eaglecrest Boulevard. The traffic volumes on Windrock would not warrant an all-way stop. In fact, an all-way stop at the intersection would result in an increase in pass-through traffic on Windrock Drive for motorists cutting through Windcrest using Windrock Drive instead of Eaglecrest to by-pass possible delays at the intersection of Eaglecrest and Montgomery Road. However, the safety of pedestrians and golf carts crossing Eaglecrest at Windrock Drive could be improved by mounting pedestrian crossing signs and golf cart crossing signs at the intersection. There is a pedestrian crosswalk on Eaglecrest just south of Windrock Drive consisting of two white lines perpendicular to the roadway with traditional white markings between the lines parallel to the roadway. Golf cart crossing markings could be placed using lines perpendicular to the roadway on either side of Windrock Drive without the typical white lines between the lines. Golf cart symbols could be painted near the center of Eaglecrest (outside of the normal vehicular travel way) between the lines. Similar golf cart crossing markings could be placed across Eaglecrest at the all-way stop at Crescent Falls/Balfour Drive.
- Golf Cart Route. To continue the golf cart routing from Eaglecrest Boulevard to the clubhouse on Midcrown, golf cart route signs could be posted. The golf cart routes west of Eaglecrest would be Windrock Drive to Parkcrest Drive to Windfield Boulevard North route) and Balfour Drive to Parkcrest Drive to Golfcrest Drive (south route). These roadways have on-street parking as homes front these streets and the streets are not wide enough to accommodate golf cart lanes. They would be designated with signage as golf cart routes.
- Enabling Ordinances. Typically golf carts are not considered street worthy. An enabling ordinance may be necessary to permit the operation of the golf carts on the public streets within the corporate limits of Windcrest.

7. FOLLOW UP

Six months after implementation of the remediation and other improvements described, traffic volumes and vehicle speeds should be observed at the same locations to ascertain the impact of the improvements.

Prepared by:

Joe F. Nix, P.E., P.T.O.E.
CEC Tex Firm No. F-2274

Attachments:

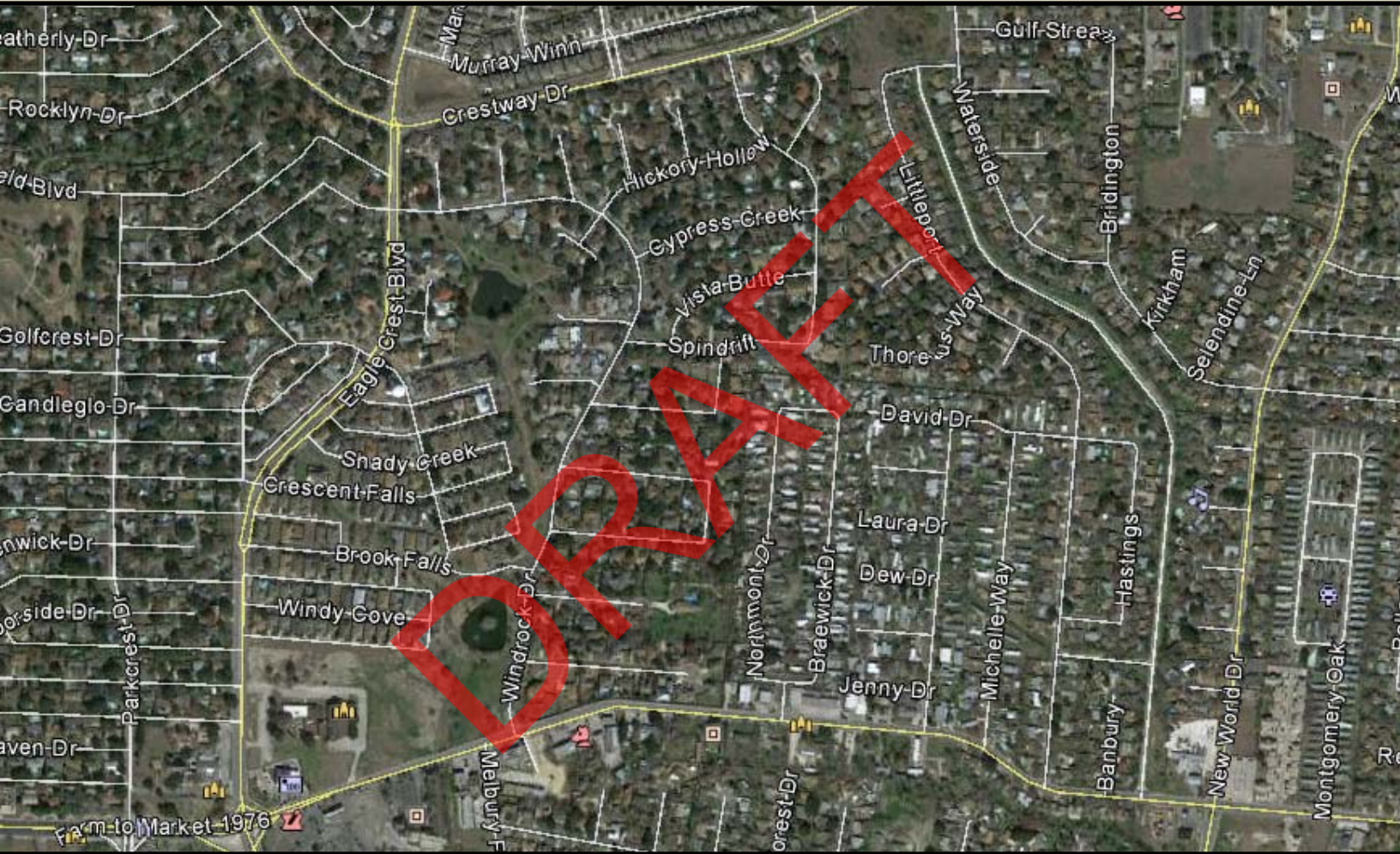
- Traffic Survey Data
- Typical pavement markings

Traffic Survey Data

DRAFT

TRAFFIC DATA SURVEY

**Windrock Drive
Windcrest, Texas
Bexar County**



Prepared for: Civil Engineering Consultants
11550 IH 10 West, Suite 395
San Antonio, Texas 78230

Prepared By: AC Group, LLC
5838 Cliffbrier Drive
San Antonio, Texas 78250

**Project 31-15
May 18, 2015**





5838 Cliffbrier Drive
San Antonio, Texas 78250

Office (210) 256-2447
Fax (210) 509-9680

May 18, 2015

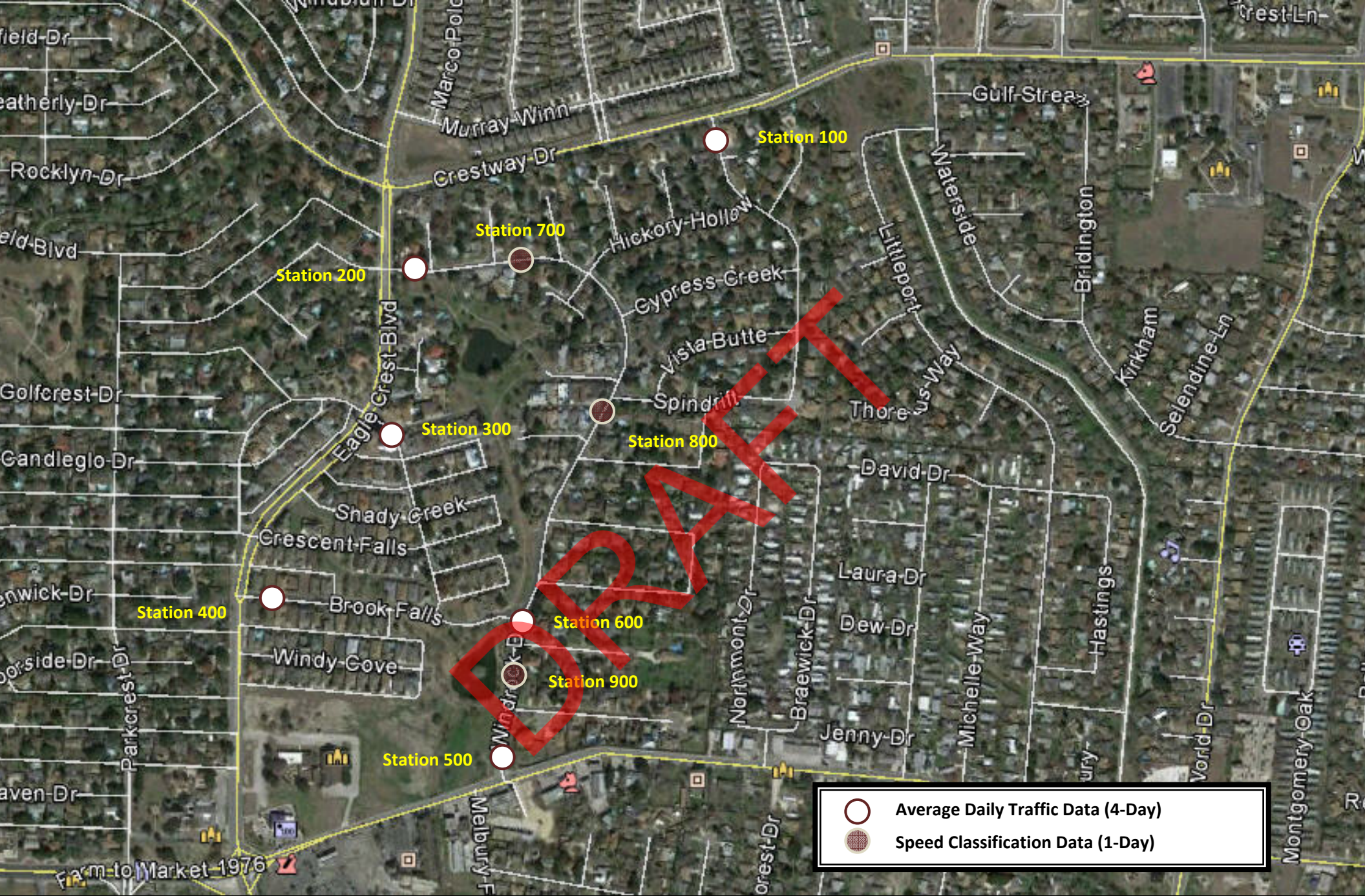
Civil Engineering Consultants
Attn: Mr. Joe Nix, P.E.
11550 IH 10 West, Ste 395
San Antonio, Texas 78230

Mr. Nix

This report contains the traffic data requested for **Windrock Drive** in Windcrest, Texas. Average daily traffic (ADT) volume data was collected on Thursday, April 30, 2015 and Saturday, May 2, 2015. Speed classification data was also collected on Thursday, April 30, 2015. A site map is included to illustrate the study area.

The traffic data found in this document is true and conducted to the best of our ability. Thank you for the opportunity to assist you and AC Group, LLC looks forward to working with Civil Engineering Consultants in the future.

Rene Arredondo, P.E., PTOE
Director of Operations
AC Group, LLC



DRAFT

AVERAGE DAILY TRAFFIC VOLUME DATA
Thursday, April 30, 2015 and Saturday, May 2, 2015



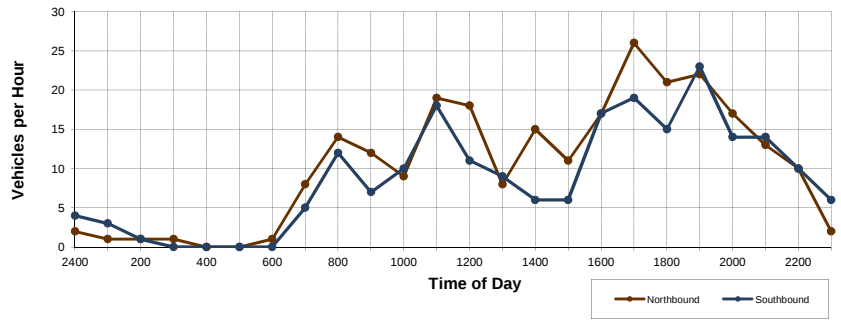
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 100
 Counter No. : 6342

Day of Week: Thursday, April 30, 2015

Site: Spanish Moss
 Location: South of Crestway Drive
 City/State: Windcrest, Texas

Spanish Moss Northbound and Southbound Spanish Moss



End Time	Northbound Spanish Moss	Southbound Spanish Moss
15	0	1
30	1	1
45	0	1
100	0	3
115	0	0
130	0	0
145	1	0
200	0	1
215	0	0
230	0	0
245	1	0
300	0	0
315	0	0
330	0	0
345	0	0
400	0	0
415	0	0
430	0	0
445	0	0
500	0	0
515	0	0
530	0	0
545	1	0
600	0	0
615	0	0
630	2	2
645	3	1
700	3	5
715	4	2
730	1	2
745	1	3
800	8	12
815	4	4
830	1	1
845	4	1
900	3	7
915	4	2
930	1	2
945	2	2
1000	2	10
1015	5	6
1030	5	4
1045	3	4
1100	6	18
1115	4	5
1130	8	2
1145	4	3
1200	2	11

End Time	Northbound Spanish Moss	Southbound Spanish Moss
1215	1	1
1230	2	0
1245	2	5
1300	3	9
1315	5	0
1330	5	1
1345	3	2
1400	2	6
1415	2	1
1430	3	2
1445	5	1
1500	1	6
1515	3	5
1530	7	6
1545	3	2
1600	4	17
1615	11	4
1630	2	6
1645	7	4
1700	6	19
1715	6	2
1730	4	7
1745	5	3
1800	6	15
1815	4	8
1830	3	6
1845	12	6
1900	3	23
1915	2	1
1930	8	4
1945	3	5
2000	4	14
2015	4	4
2030	3	5
2045	3	2
2100	3	14
2115	2	4
2130	1	1
2145	5	5
2200	2	10
2215	0	2
2230	1	2
2245	0	2
2300	1	6
2315	2	0
2330	0	3
2345	0	0
2400	0	4

Daily Traffic Data 248 210
 Total ADT 458



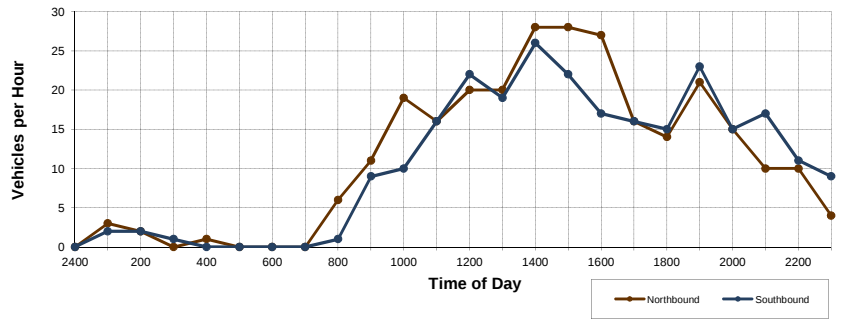
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 100
 Counter No. : 6342

Day of Week: Saturday, May 02, 2015

Site: Spanish Moss
 Location: South of Crestway Drive
 City/State: Windcrest, Texas

Spanish Moss Northbound and Southbound Spanish Moss



End Time	Northbound Spanish Moss	Southbound Spanish Moss
15	1	1
30	0	0
45	0	1
100	2	0
115	1	2
130	0	0
145	0	0
200	1	0
215	0	0
230	0	0
245	0	1
300	0	0
315	0	0
330	1	0
345	0	0
400	0	0
415	0	0
430	0	0
445	0	0
500	0	0
515	0	0
530	0	0
545	0	0
600	0	0
615	0	0
630	0	0
645	0	0
700	0	0
715	0	1
730	2	0
745	1	0
800	3	0
815	2	0
830	1	1
845	5	2
900	3	6
915	5	2
930	5	6
945	4	0
1000	5	2
1015	7	4
1030	4	4
1045	2	3
1100	3	5
1115	3	5
1130	7	7
1145	7	6
1200	3	4

End Time	Northbound Spanish Moss	Southbound Spanish Moss
1215	4	6
1230	4	6
1245	7	4
1300	5	3
1315	8	3
1330	7	7
1345	8	8
1400	5	8
1415	6	5
1430	9	3
1445	6	6
1500	7	8
1515	7	5
1530	6	2
1545	7	8
1600	7	2
1615	3	6
1630	2	3
1645	5	4
1700	6	3
1715	3	5
1730	4	1
1745	4	3
1800	3	6
1815	8	2
1830	2	4
1845	6	8
1900	5	9
1915	6	4
1930	2	4
1945	4	3
2000	3	4
2015	2	7
2030	3	3
2045	3	3
2100	2	4
2115	5	7
2130	2	1
2145	1	0
2200	2	3
2215	2	1
2230	1	3
2245	1	4
2300	0	1
2315	0	0
2330	0	0
2345	0	0
2400	0	0

Daily Traffic Data
 Total ADT 524



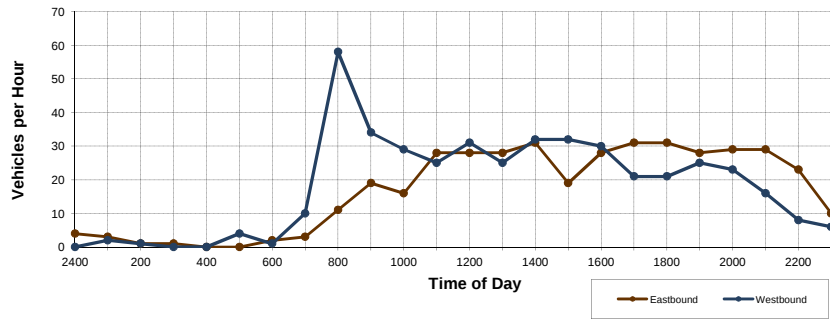
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 200
 Counter No. : 9063

Day of Week: Thursday, April 30, 2015

Site: Windrock Drive
 Location: East of Eagle Crest Boulevard
 City/State: Windcrest, Texas

Windrock Drive Eastbound and Westbound Windrock Drive



End Time	Eastbound Windrock Drive	Westbound Windrock Drive
15	2	1
30	1	0
45	0	1
100	0 3	0 2
115	1	1
130	0	0
145	0	0
200	0 1	0 1
215	0	0
230	0	0
245	1	0
300	0 1	0 0
315	0	0
330	0	0
345	0	0
400	0 0	0 0
415	0	0
430	0	1
445	0	1
500	0 0	2 4
515	2	0
530	0	0
545	0	0
600	0 2	1 1
615	0	1
630	0	6
645	1	1
700	2 3	2 10
715	1	12
730	0	17
745	4	13
800	6 11	16 58
815	4	4
830	5	10
845	2	8
900	8 19	12 34
915	4	4
930	4	6
945	7	9
1000	1 16	10 29
1015	6	4
1030	7	4
1045	6	8
1100	9 28	9 25
1115	7	10
1130	7	11
1145	9	4
1200	5 28	6 31

End Time	Eastbound Windrock Drive	Westbound Windrock Drive
1215	4	4
1230	10	8
1245	6	9
1300	8 28	4 25
1315	8	13
1330	7	4
1345	7	8
1400	9 31	7 32
1415	6	13
1430	2	1
1445	6	11
1500	5 19	7 32
1515	5	10
1530	6	9
1545	10	5
1600	7 28	6 30
1615	9	4
1630	6	9
1645	8	5
1700	8 31	3 21
1715	4	6
1730	7	5
1745	9	1
1800	11 31	9 21
1815	10	9
1830	4	8
1845	7	6
1900	7 28	2 25
1915	8	4
1930	6	6
1945	7	7
2000	8 29	6 23
2015	5	5
2030	6	6
2045	13	2
2100	5 29	3 16
2115	4	3
2130	5	3
2145	7	2
2200	7 23	0 8
2215	6	4
2230	0	1
2245	2	1
2300	2 10	0 6
2315	1	0
2330	1	0
2345	0	0
2400	2 4	0 0

Daily Traffic Data 403 434
 Total ADT 837



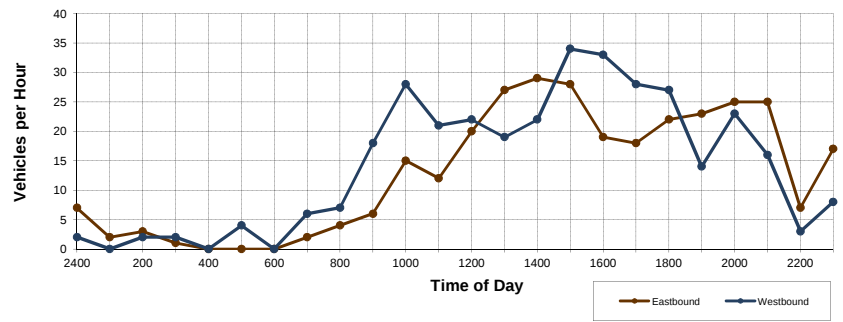
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 200
 Counter No. : 9063

 Day of Week: Saturday, May 02, 2015

 Site: Windrock Drive
 Location: East of Eagle Crest Boulevard
 City/State: Windcrest, Texas

Windrock Drive Eastbound and Westbound Windrock Drive



End Time	Eastbound Windrock Drive	Westbound Windrock Drive
15	0	0
30	1	0
45	1	0
100	0 2	0 0
115	1	0
130	1	1
145	0	0
200	1 3	1 2
215	0	0
230	0	0
245	1	1
300	0 1	1 2
315	0	0
330	0	0
345	0	0
400	0 0	0 0
415	0	0
430	0	1
445	0	2
500	0 0	1 4
515	0	0
530	0	0
545	0	0
600	0 0	0 0
615	2	2
630	0	1
645	0	2
700	0 2	1 6
715	1	2
730	0	2
745	0	0
800	3 4	3 7
815	0	4
830	0	4
845	2	5
900	4 6	5 18
915	3	9
930	3	8
945	4	6
1000	5 15	5 28
1015	3	5
1030	2	7
1045	2	4
1100	5 12	5 21
1115	10	8
1130	2	5
1145	1	3
1200	7 20	6 22

End Time	Eastbound Windrock Drive	Westbound Windrock Drive
1215	5	6
1230	4	1
1245	11	4
1300	7 27	8 19
1315	5	5
1330	10	11
1345	6	4
1400	8 29	2 22
1415	8	11
1430	12	11
1445	4	3
1500	4 28	9 34
1515	3	9
1530	9	7
1545	5	7
1600	2 19	10 33
1615	4	6
1630	3	8
1645	9	9
1700	2 18	5 28
1715	2	6
1730	8	7
1745	5	5
1800	7 22	9 27
1815	4	6
1830	5	0
1845	6	4
1900	8 23	4 14
1915	5	7
1930	7	4
1945	6	8
2000	7 25	4 23
2015	7	5
2030	7	4
2045	5	4
2100	6 25	3 16
2115	3	1
2130	3	1
2145	1	0
2200	0 7	1 3
2215	4	3
2230	8	3
2245	4	0
2300	1 17	2 8
2315	1	0
2330	3	0
2345	3	0
2400	0 7	2 2

Daily Traffic Data
 Total ADT 312 339
 651



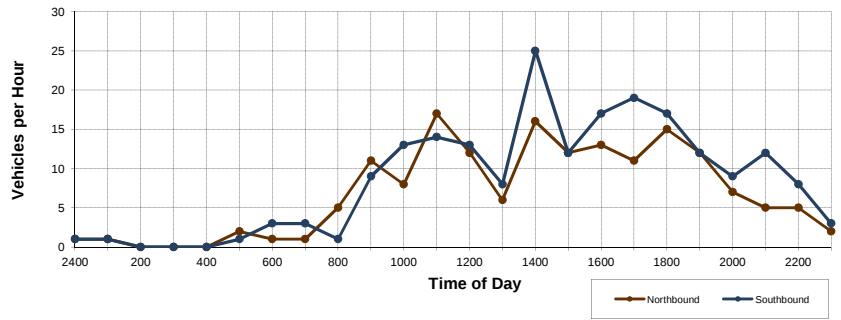
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 300
 Counter No. : 0338

Day of Week: Thursday, April 30, 2015

Site: Bayou Bend
 Location: East of Eagle Crest Boulevard
 City/State: Windcrest, Texas

Bayou Bend Northbound and Southbound Bayou Bend



End Time	Northbound Bayou Bend	Southbound Bayou Bend
15	1	1
30	0	0
45	0	0
100	0	1
115	0	0
130	0	0
145	0	0
200	0	0
215	0	0
230	0	0
245	0	0
300	0	0
315	0	0
330	0	0
345	0	0
400	0	0
415	0	0
430	2	1
445	0	0
500	0	1
515	0	1
530	0	0
545	0	1
600	1	1
615	0	0
630	0	0
645	0	2
700	1	1
715	1	0
730	3	1
745	0	0
800	1	5
815	4	2
830	2	2
845	1	0
900	4	11
915	1	2
930	0	1
945	5	6
1000	2	8
1015	3	4
1030	6	2
1045	3	1
1100	5	17
1115	1	4
1130	5	4
1145	3	3
1200	3	12

End Time	Northbound Bayou Bend	Southbound Bayou Bend
1215	1	3
1230	1	1
1245	3	0
1300	1	8
1315	1	1
1330	5	10
1345	3	2
1400	7	12
1415	2	2
1430	2	2
1445	4	4
1500	4	12
1515	5	4
1530	0	1
1545	2	6
1600	6	17
1615	1	2
1630	3	5
1645	4	6
1700	3	11
1715	1	1
1730	2	3
1745	7	6
1800	5	15
1815	3	5
1830	3	2
1845	4	2
1900	2	12
1915	3	4
1930	2	2
1945	1	3
2000	1	7
2015	1	0
2030	1	4
2045	1	4
2100	2	5
2115	1	4
2130	1	1
2145	0	0
2200	3	5
2215	0	0
2230	1	2
2245	0	0
2300	1	2
2315	0	0
2330	0	0
2345	1	1
2400	0	1

Daily Traffic Data 163 201
 Total ADT 364



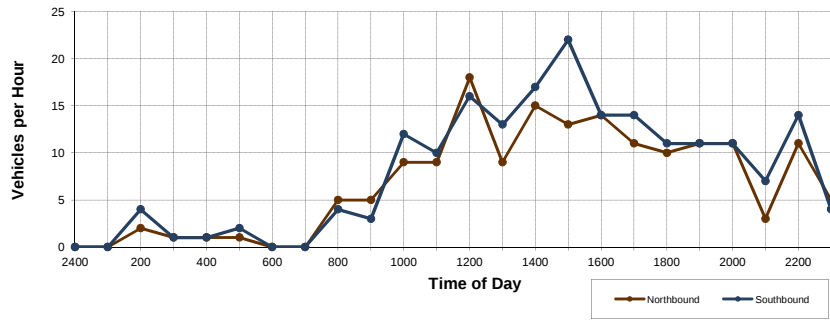
Average Daily Traffic Data

Project No. : 31-15
Station No. : 300
Counter No. : 0338

Day of Week: Saturday, May 02, 2015

Site: Bayou Bend
Location: East of Eagle Crest Boulevard
City/State: Windcrest, Texas

Bayou Bend Northbound and Southbound Bayou Bend



End Time	Northbound Bayou Bend	Southbound Bayou Bend
15	0	0
30	0	0
45	0	0
100	0	0
115	0	0
130	1	3
145	1	1
200	0	4
215	0	0
230	0	0
245	1	1
300	0	1
315	0	0
330	1	1
345	0	0
400	0	1
415	0	0
430	1	2
445	0	0
500	0	2
515	0	0
530	0	0
545	0	0
600	0	0
615	0	0
630	0	0
645	0	0
700	0	0
715	0	0
730	1	0
745	2	1
800	2	4
815	1	0
830	1	0
845	2	2
900	1	3
915	1	1
930	3	5
945	3	3
1000	2	12
1015	2	1
1030	3	4
1045	3	3
1100	1	10
1115	8	5
1130	4	5
1145	1	5
1200	5	16

End Time	Northbound Bayou Bend	Southbound Bayou Bend
1215	1	1
1230	3	7
1245	4	3
1300	1	13
1315	3	4
1330	3	2
1345	6	8
1400	3	17
1415	2	2
1430	3	5
1445	4	12
1500	4	22
1515	6	5
1530	0	0
1545	5	6
1600	3	14
1615	0	1
1630	5	3
1645	5	5
1700	1	14
1715	4	1
1730	2	3
1745	2	6
1800	2	11
1815	1	2
1830	4	6
1845	4	2
1900	2	11
1915	2	3
1930	2	1
1945	1	2
2000	6	11
2015	2	6
2030	1	1
2045	0	0
2100	0	7
2115	3	2
2130	6	5
2145	2	2
2200	0	14
2215	2	1
2230	1	1
2245	1	1
2300	1	4
2315	0	0
2330	0	0
2345	0	0
2400	0	0

Daily Traffic Data 164 191
Total ADT 355



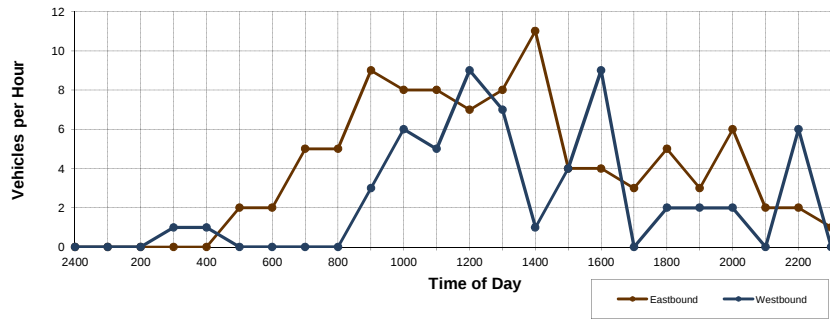
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 400
 Counter No. : 6337

Day of Week: Thursday, April 30, 2015

Site: Brook Falls
 Location: East of Eagle Crest Boulevard
 City/State: Windcrest, Texas

Brook Falls Eastbound and Westbound Brook Falls



End Time	Eastbound Brook Falls	Westbound Brook Falls
15	0	0
30	0	0
45	0	0
100	0 0	0 0
115	0	0
130	0	0
145	0	0
200	0 0	0 0
215	0	1
230	0	0
245	0	0
300	0 0	0 1
315	0	1
330	0	0
345	0	0
400	0 0	0 1
415	2	0
430	0	0
445	0	0
500	0 2	0 0
515	0	0
530	0	0
545	2	0
600	0 2	0 0
615	0	0
630	2	0
645	0	0
700	3 5	0 0
715	3	0
730	0	0
745	2	0
800	0 5	0 0
815	6	1
830	1	0
845	0	2
900	2 9	0 3
915	1	1
930	3	1
945	2	0
1000	2 8	4 6
1015	3	2
1030	3	0
1045	2	2
1100	0 8	1 5
1115	1	1
1130	2	1
1145	1	4
1200	3 7	3 9

End Time	Eastbound Brook Falls	Westbound Brook Falls
1215	4	4
1230	2	1
1245	1	2
1300	1 8	0 7
1315	4	1
1330	1	0
1345	4	0
1400	2 11	0 1
1415	3	1
1430	0	1
1445	0	0
1500	1 4	2 4
1515	0	1
1530	2	1
1545	0	6
1600	2 4	1 9
1615	1	0
1630	0	0
1645	1	0
1700	1 3	0 0
1715	2	0
1730	1	1
1745	1	1
1800	1 5	0 2
1815	1	2
1830	0	0
1845	1	0
1900	1 3	0 2
1915	1	0
1930	3	1
1945	2	0
2000	0 6	1 2
2015	0	0
2030	1	0
2045	0	0
2100	1 2	0 0
2115	0	1
2130	1	3
2145	1	1
2200	0 2	1 6
2215	1	0
2230	0	0
2245	0	0
2300	0 1	0 0
2315	0	0
2330	0	0
2345	0	0
2400	0 0	0 0

Daily Traffic Data	95	58
Total ADT	153	



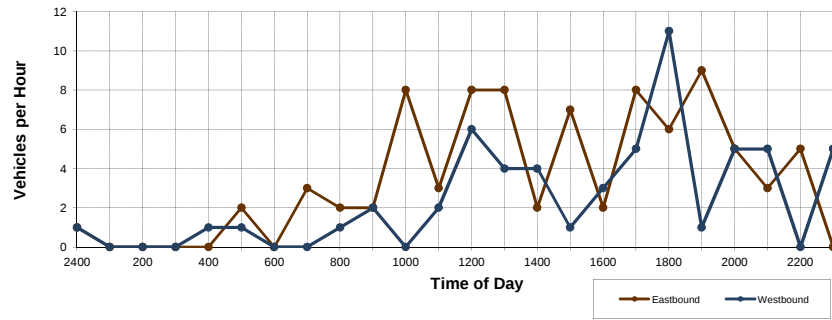
Average Daily Traffic Data

Project No. : 31-15
Station No. : 400
Counter No. : 6337

Day of Week: Saturday, May 02, 2015

Site: Brook Falls
Location: East of Eagle Crest Boulevard
City/State: Windcrest, Texas

Brook Falls Eastbound and Westbound Brook Falls



End Time	Eastbound Brook Falls	Westbound Brook Falls
15	0	0
30	0	0
45	0	0
100	0	0
115	0	0
130	0	0
145	0	0
200	0	0
215	0	0
230	0	0
245	0	0
300	0	0
315	0	0
330	0	0
345	0	1
400	0	1
415	1	0
430	1	1
445	0	0
500	0	1
515	0	0
530	0	0
545	0	0
600	0	0
615	0	0
630	1	0
645	0	0
700	2	0
715	0	0
730	0	1
745	0	0
800	2	1
815	0	0
830	1	0
845	1	0
900	0	2
915	3	0
930	3	0
945	0	0
1000	2	0
1015	2	0
1030	0	1
1045	0	1
1100	1	2
1115	4	0
1130	0	3
1145	2	2
1200	2	6

End Time	Eastbound Brook Falls	Westbound Brook Falls
1215	2	1
1230	4	0
1245	1	1
1300	1	4
1315	0	1
1330	1	2
1345	1	1
1400	0	4
1415	1	0
1430	3	0
1445	1	0
1500	2	1
1515	1	0
1530	1	2
1545	0	1
1600	0	3
1615	1	2
1630	2	0
1645	3	2
1700	2	5
1715	1	5
1730	0	4
1745	2	1
1800	3	11
1815	7	0
1830	1	0
1845	0	0
1900	1	1
1915	0	3
1930	0	0
1945	3	2
2000	2	5
2015	1	2
2030	1	1
2045	0	0
2100	1	5
2115	0	0
2130	1	0
2145	2	0
2200	2	0
2215	0	2
2230	0	0
2245	0	3
2300	0	5
2315	0	0
2330	0	0
2345	1	0
2400	0	1

Daily Traffic Data
Total ADT 142



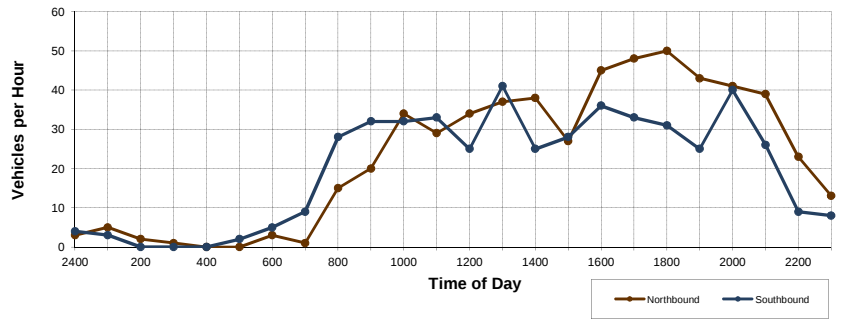
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 500
 Counter No. : 4780

 Day of Week: Thursday, April 30, 2015

 Site: Windrock Drive
 Location: North of Montgomery Drive
 City/State: Windcrest, Texas

Windrock Drive Northbound and Southbound Windrock Drive



End Time	Northbound Windrock Drive	Southbound Windrock Drive
15	2	1
30	1	0
45	0	0
100	2 5	2 3
115	1	0
130	0	0
145	1	0
200	0 2	0 0
215	0	0
230	0	0
245	1	0
300	0 1	0 0
315	0	0
330	0	0
345	0	0
400	0 0	0 0
415	0	0
430	0	1
445	0	0
500	0 0	1 2
515	0	0
530	1	3
545	1	1
600	1 3	1 5
615	0	1
630	1	1
645	0	3
700	0 1	4 9
715	2	8
730	3	5
745	5	7
800	5 15	8 28
815	4	8
830	2	11
845	7	7
900	7 20	6 32
915	6	6
930	6	5
945	14	10
1000	8 34	11 32
1015	8	11
1030	9	8
1045	6	5
1100	6 29	9 33
1115	7	7
1130	8	6
1145	12	5
1200	7 34	7 25

End Time	Northbound Windrock Drive	Southbound Windrock Drive
1215	15	8
1230	7	13
1245	4	8
1300	11 37	12 41
1315	9	2
1330	7	7
1345	13	8
1400	9 38	8 25
1415	10	6
1430	6	9
1445	5	4
1500	6 27	9 28
1515	11	9
1530	13	7
1545	11	7
1600	10 45	13 36
1615	10	7
1630	10	15
1645	14	4
1700	14 48	7 33
1715	11	7
1730	15	10
1745	17	7
1800	7 50	7 31
1815	12	9
1830	6	7
1845	17	3
1900	8 43	6 25
1915	14	12
1930	16	9
1945	4	9
2000	7 41	10 40
2015	7	4
2030	9	4
2045	13	9
2100	10 39	9 26
2115	7	1
2130	7	3
2145	3	1
2200	6 23	4 9
2215	4	3
2230	3	3
2245	2	0
2300	4 13	2 8
2315	0	0
2330	0	2
2345	2	1
2400	1 3	1 4

Daily Traffic Data
 Total ADT 551 475
 1,026



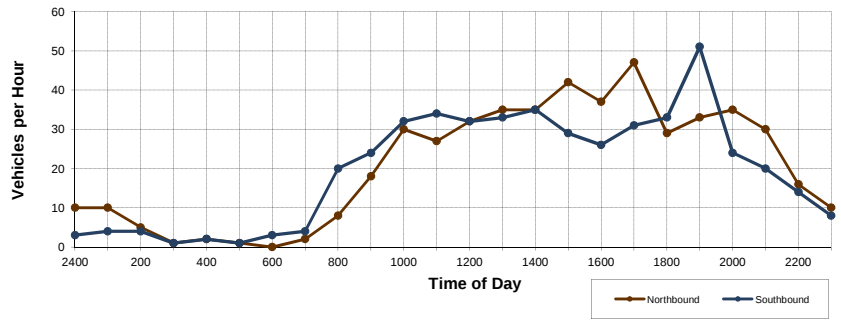
Average Daily Traffic Data

Project No. : 31-15
 Station No. : 500
 Counter No. : 4780

 Day of Week: Saturday, May 02, 2015

 Site: Windrock Drive
 Location: North of Montgomery Drive
 City/State: Windcrest, Texas

Windrock Drive Northbound and Southbound Windrock Drive



End Time	Northbound Windrock Drive	Southbound Windrock Drive
15	2	0
30	0	1
45	3	2
100	5 10	1 4
115	0	2
130	2	0
145	2	1
200	1 5	1 4
215	0	0
230	0	0
245	0	1
300	1 1	0 1
315	0	1
330	1	1
345	1	0
400	0 2	0 2
415	0	0
430	0	0
445	0	1
500	1 1	0 1
515	0	0
530	0	2
545	0	1
600	0 0	0 3
615	0	1
630	1	0
645	1	1
700	0 2	2 4
715	0	3
730	5	5
745	0	3
800	3 8	9 20
815	2	5
830	5	4
845	5	6
900	6 18	9 24
915	11	4
930	9	8
945	6	9
1000	4 30	11 32
1015	9	8
1030	7	8
1045	4	11
1100	7 27	7 34
1115	9	9
1130	11	8
1145	10	8
1200	2 32	7 32

End Time	Northbound Windrock Drive	Southbound Windrock Drive
1215	8	6
1230	6	5
1245	11	12
1300	10 35	10 33
1315	4	11
1330	6	4
1345	11	8
1400	14 35	12 35
1415	7	9
1430	14	9
1445	8	7
1500	13 42	4 29
1515	9	7
1530	11	4
1545	6	5
1600	11 37	10 26
1615	14	6
1630	7	13
1645	11	5
1700	15 47	7 31
1715	10	9
1730	3	6
1745	4	12
1800	12 29	6 33
1815	5	15
1830	9	11
1845	8	15
1900	11 33	10 51
1915	11	4
1930	12	4
1945	7	6
2000	5 35	10 24
2015	8	7
2030	5	6
2045	11	4
2100	6 30	3 20
2115	3	1
2130	5	7
2145	3	5
2200	5 16	1 14
2215	2	2
2230	2	2
2245	5	2
2300	1 10	2 8
2315	4	1
2330	2	1
2345	0	0
2400	4 10	1 3

Daily Traffic Data	495	468
Total ADT	963	



Average Daily Traffic Data

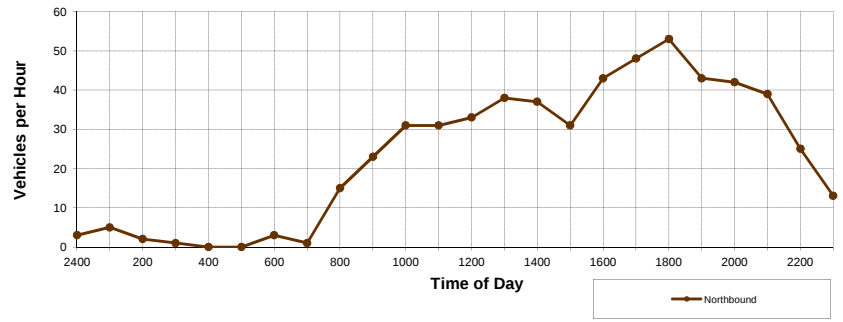
Project No. : 31-15
 Station No. : 600
 Counter No. : 5147

Day of Week: Thursday, April 30, 2015

Site: Northbound Windrock Drive
 Location: Windrock Dr and Brook Falls
 City/State: Windcrest, Texas

Windrock Drive and Brook Falls

Northbound Windrock Drive



End Time	Northbound Windrock Drive	
15	2	
30	1	
45	0	
100	2	5
115	1	
130	0	
145	1	
200	0	2
215	0	
230	0	
245	1	
300	0	1
315	0	
330	0	
345	0	
400	0	0
415	0	
430	0	
445	0	
500	0	0
515	0	
530	1	
545	1	
600	1	3
615	0	
630	1	
645	0	
700	0	1
715	3	
730	3	
745	4	
800	5	15
815	5	
830	3	
845	7	
900	8	23
915	5	
930	6	
945	12	
1000	8	31
1015	8	
1030	10	
1045	7	
1100	6	31
1115	7	
1130	9	
1145	11	
1200	6	33

End Time	Northbound Windrock Drive	
1215	16	
1230	8	
1245	5	
1300	9	38
1315	9	
1330	7	
1345	12	
1400	9	37
1415	11	
1430	8	
1445	6	
1500	6	31
1515	12	
1530	11	
1545	11	
1600	9	43
1615	11	
1630	10	
1645	13	
1700	14	48
1715	12	
1730	15	
1745	18	
1800	8	53
1815	11	
1830	8	
1845	16	
1900	8	43
1915	13	
1930	16	
1945	5	
2000	8	42
2015	7	
2030	10	
2045	12	
2100	10	39
2115	8	
2130	7	
2145	4	
2200	6	25
2215	4	
2230	3	
2245	2	
2300	4	13
2315	0	
2330	0	
2345	2	
2400	1	3

Daily Traffic Data

Total ADT

560

560



Average Daily Traffic Data

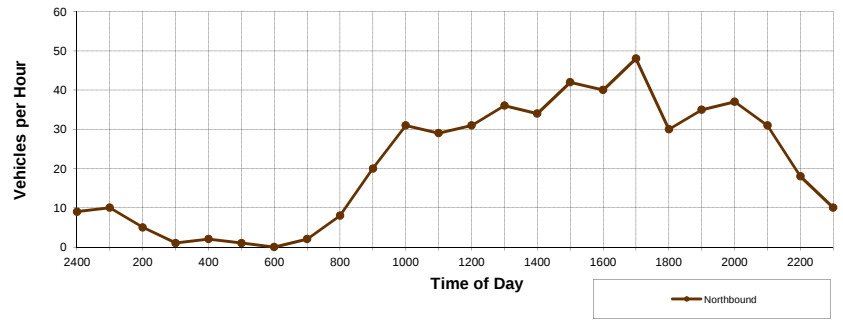
Project No. : 31-15
 Station No. : 600
 Counter No. : 5147

Day of Week: Saturday, May 02, 2015

Site: Northbound Windrock Drive
 Location: Windrock Dr and Brook Falls
 City/State: Windcrest, Texas

Windrock Drive and Brook Falls

Northbound Windrock Drive



End Time	Northbound Windrock Drive	
15	2	
30	0	
45	3	
100	5	10
115	0	
130	2	
145	2	
200	1	5
215	0	
230	0	
245	0	
300	1	1
315	0	
330	1	
345	1	
400	0	2
415	0	
430	0	
445	0	
500	1	1
515	0	
530	0	
545	0	
600	0	0
615	0	
630	1	
645	1	
700	0	2
715	0	
730	5	
745	0	
800	3	8
815	2	
830	6	
845	5	
900	7	20
915	10	
930	9	
945	7	
1000	5	31
1015	9	
1030	8	
1045	5	
1100	7	29
1115	8	
1130	11	
1145	9	
1200	3	31

End Time	Northbound Windrock Drive	
1215	9	
1230	6	
1245	10	
1300	11	36
1315	5	
1330	6	
1345	10	
1400	13	34
1415	8	
1430	13	
1445	9	
1500	12	42
1515	9	
1530	12	
1545	8	
1600	11	40
1615	12	
1630	9	
1645	12	
1700	15	48
1715	10	
1730	3	
1745	5	
1800	12	30
1815	6	
1830	9	
1845	9	
1900	11	35
1915	11	
1930	13	
1945	8	
2000	5	37
2015	9	
2030	6	
2045	10	
2100	6	31
2115	4	
2130	5	
2145	4	
2200	5	18
2215	3	
2230	2	
2245	4	
2300	1	10
2315	3	
2330	2	
2345	0	
2400	4	9

Daily Traffic Data

510

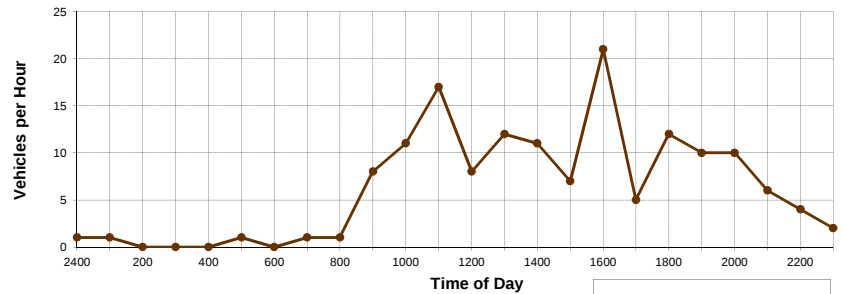
Total ADT

510



Windrock Drive and Brook Falls

Eastbound Brook Falls



Average Daily Traffic Data

Project No. : 31-15
Station No. : 600
Counter No. : 7589

Day of Week: Thursday, April 30, 2015

Site: Eastbound Brook Falls
Location: Windrock Dr and Brook Falls
City/State: Windcrest, Texas

End Time	Eastbound Brook Falls	
15	1	
30	0	
45	0	
100	0 1	
115	0	
130	0	
145	0	
200	0 0	
215	0	
230	0	
245	0	
300	0 0	
315	0	
330	0	
345	0	
400	0 0	
415	0	
430	1	
445	0	
500	0 1	
515	0	
530	0	
545	0	
600	0 0	
615	0	
630	0	
645	1	
700	0 1	
715	0	
730	0	
745	1	
800	0 1	
815	2	
830	4	
845	1	
900	1 8	
915	1	
930	1	
945	6	
1000	3 11	
1015	4	
1030	3	
1045	3	
1100	7 17	
1115	1	
1130	1	
1145	3	
1200	3 8	

End Time	Eastbound Brook Falls	
1215	4	
1230	4	
1245	2	
1300	2 12	
1315	1	
1330	6	
1345	3	
1400	1 11	
1415	1	
1430	4	
1445	1	
1500	1 7	
1515	7	
1530	2	
1545	7	
1600	5 21	
1615	0	
1630	3	
1645	2	
1700	0 5	
1715	4	
1730	0	
1745	3	
1800	5 12	
1815	5	
1830	4	
1845	1	
1900	0 10	
1915	5	
1930	1	
1945	2	
2000	2 10	
2015	1	
2030	0	
2045	3	
2100	2 6	
2115	1	
2130	2	
2145	0	
2200	1 4	
2215	0	
2230	1	
2245	0	
2300	1 2	
2315	0	
2330	0	
2345	1	
2400	0 1	

Daily Traffic Data

149

Total ADT

149



Windrock Drive and Brook Falls

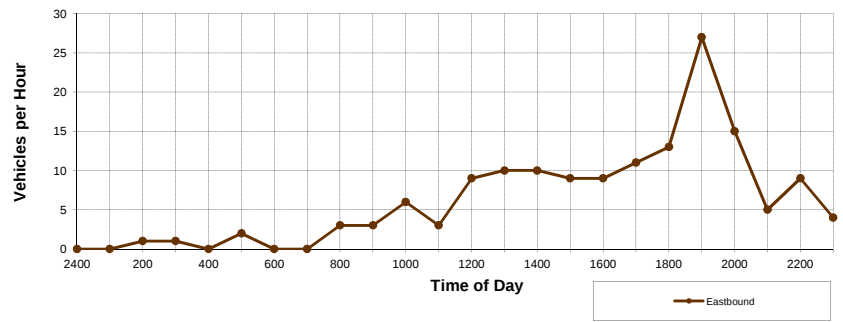
Eastbound Brook Falls

Average Daily Traffic Data

Project No. : 31-15
Station No. : 600
Counter No. : 7589

Day of Week: Saturday, May 02, 2015

Site: Eastbound Brook Falls
Location: Windrock Dr and Brook Falls
City/State: Windcrest, Texas



End Time	Eastbound Brook Falls	
15	0	
30	0	
45	0	
100	0	0
115	0	
130	0	
145	1	
200	0	1
215	0	
230	0	
245	1	
300	0	1
315	0	
330	0	
345	0	
400	0	0
415	0	
430	2	
445	0	
500	0	2
515	0	
530	0	
545	0	
600	0	0
615	0	
630	0	
645	0	
700	0	0
715	0	
730	1	
745	0	
800	2	3
815	0	
830	0	
845	1	
900	2	3
915	1	
930	3	
945	2	
1000	0	6
1015	0	
1030	0	
1045	2	
1100	1	3
1115	1	
1130	5	
1145	2	
1200	1	9

End Time	Eastbound Brook Falls	
1215	5	
1230	3	
1245	1	
1300	1	10
1315	4	
1330	2	
1345	2	
1400	2	10
1415	2	
1430	1	
1445	2	
1500	4	9
1515	1	
1530	2	
1545	2	
1600	4	9
1615	4	
1630	0	
1645	4	
1700	3	11
1715	2	
1730	5	
1745	6	
1800	0	13
1815	16	
1830	5	
1845	2	
1900	4	27
1915	3	
1930	2	
1945	3	
2000	7	15
2015	2	
2030	2	
2045	0	
2100	1	5
2115	0	
2130	4	
2145	2	
2200	3	9
2215	0	
2230	0	
2245	4	
2300	0	4
2315	0	
2330	0	
2345	0	
2400	0	0

Daily Traffic Data

150

Total ADT

150



Windrock Drive and Brook Falls

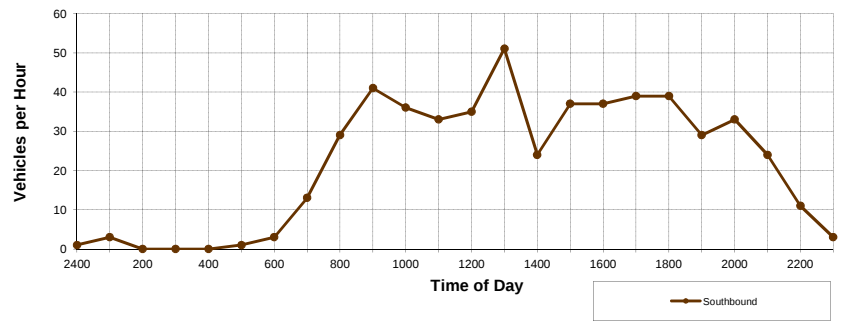
Southbound Windrock Drive

Average Daily Traffic Data

Project No. : 31-15
Station No. : 600
Counter No. : 0042

Day of Week: Thursday, April 30, 2015

Site: Southbound Windrock Drive
Location: Windrock Dr and Brook Falls
City/State: Windcrest, Texas



End Time	Southbound Windrock Drive	
15	1	
30	0	
45	0	
100	2 3	
115	0	
130	0	
145	0	
200	0 0	
215	0	
230	0	
245	0	
300	0 0	
315	0	
330	0	
345	0	
400	0 0	
415	0	
430	0	
445	0	
500	1 1	
515	0	
530	2	
545	1	
600	0 3	
615	0	
630	2	
645	6	
700	5 13	
715	7	
730	6	
745	6	
800	10 29	
815	9	
830	13	
845	4	
900	15 41	
915	2	
930	5	
945	15	
1000	14 36	
1015	13	
1030	7	
1045	8	
1100	5 33	
1115	12	
1130	8	
1145	7	
1200	8 35	

End Time	Southbound Windrock Drive	
1215	6	
1230	16	
1245	14	
1300	15 51	
1315	7	
1330	7	
1345	8	
1400	2 24	
1415	6	
1430	13	
1445	4	
1500	14 37	
1515	9	
1530	6	
1545	11	
1600	11 37	
1615	11	
1630	16	
1645	3	
1700	9 39	
1715	11	
1730	13	
1745	7	
1800	8 39	
1815	12	
1830	8	
1845	3	
1900	6 29	
1915	12	
1930	11	
1945	5	
2000	5 33	
2015	7	
2030	5	
2045	7	
2100	5 24	
2115	2	
2130	3	
2145	1	
2200	5 11	
2215	1	
2230	1	
2245	0	
2300	1 3	
2315	0	
2330	1	
2345	0	
2400	0 1	

Daily Traffic Data

522

Total ADT

522



Average Daily Traffic Data

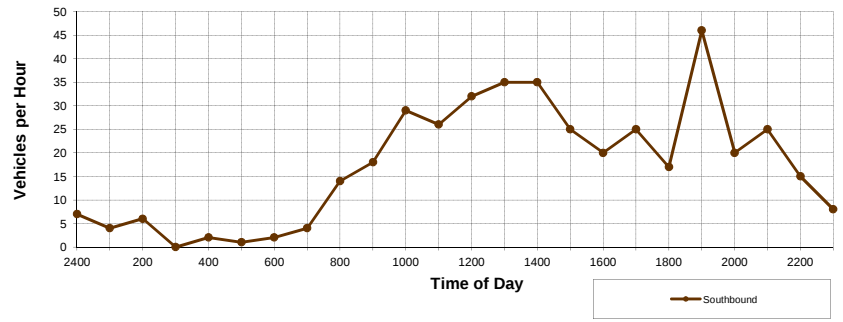
Project No. : 31-15
 Station No. : 600
 Counter No. : 0042

Day of Week: Saturday, May 02, 2015

Site: Southbound Windrock Drive
 Location: Windrock Dr and Brook Falls
 City/State: Windcrest, Texas

Windrock Drive and Brook Falls

Southbound Windrock Drive



End Time	Southbound Windrock Drive	
15	1	
30	1	
45	2	
100	0 4	
115	3	
130	0	
145	1	
200	2 6	
215	0	
230	0	
245	0	
300	0 0	
315	0	
330	2	
345	0	
400	0 2	
415	0	
430	0	
445	1	
500	0 1	
515	0	
530	2	
545	0	
600	0 2	
615	0	
630	1	
645	0	
700	3 4	
715	1	
730	4	
745	2	
800	7 14	
815	1	
830	2	
845	6	
900	9 18	
915	5	
930	8	
945	6	
1000	10 29	
1015	8	
1030	7	
1045	7	
1100	4 26	
1115	13	
1130	4	
1145	8	
1200	7 32	

End Time	Southbound Windrock Drive	
1215	6	
1230	9	
1245	12	
1300	8 35	
1315	11	
1330	4	
1345	7	
1400	13 35	
1415	5	
1430	8	
1445	4	
1500	8 25	
1515	6	
1530	3	
1545	6	
1600	5 20	
1615	6	
1630	10	
1645	4	
1700	5 25	
1715	3	
1730	4	
1745	5	
1800	5 17	
1815	8	
1830	10	
1845	18	
1900	10 46	
1915	4	
1930	3	
1945	6	
2000	7 20	
2015	7	
2030	9	
2045	2	
2100	7 25	
2115	2	
2130	7	
2145	4	
2200	2 15	
2215	1	
2230	1	
2245	4	
2300	2 8	
2315	1	
2330	3	
2345	0	
2400	3 7	

Daily Traffic Data

416

Total ADT

416

DRAFT

SPEED CLASSIFICATION DATA

Thursday, April 30, 2015



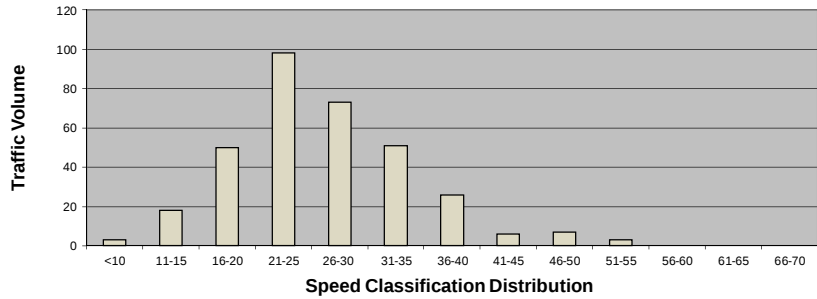
Eastbound Windrock Drive Between Golden Point and Teal Way

Speed Classification Data

Project No. : 31-15
Station No. : 700
Counter No. : 0344

Date: April 30, 2015
Day of Week: Thursday

Site: EB Windrock Drive
Location: East of Golden Point
City/State: Windcrest, Texas



Start Time	Speed Classification Distribution (MPH)														
	<10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	Total
24:00	0	0	3	2	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	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
07:00	0	0	3	1	0	0	1	0	0	0	0	0	0	0	5
08:00	2	0	4	4	1	0	0	0	0	0	0	0	0	0	11
09:00	0	3	8	1	1	0	0	0	0	0	0	0	0	0	13
10:00	0	1	3	5	2	1	0	0	0	0	0	0	0	0	12
11:00	0	2	8	10	5	0	0	0	0	0	0	0	0	0	25
12:00	1	2	3	9	5	0	0	0	0	0	0	0	0	0	20
13:00	0	1	4	7	6	2	1	0	0	0	0	0	0	0	21
14:00	0	4	3	8	7	2	0	0	0	0	0	0	0	0	24
15:00	0	1	3	6	2	2	0	0	0	0	0	0	0	0	14
16:00	0	0	2	12	6	6	2	0	1	0	0	0	0	0	29
17:00	0	3	2	6	6	7	1	0	0	0	0	0	0	0	25
18:00	0	0	1	6	13	4	7	0	0	0	0	0	0	0	31
19:00	0	0	0	8	6	2	2	1	1	2	0	0	0	0	22
20:00	0	0	1	3	7	6	1	1	0	0	0	0	0	0	19
21:00	0	1	1	4	3	9	5	3	1	0	0	0	0	0	27
22:00	0	0	0	4	2	8	5	0	4	1	0	0	0	0	24
23:00	0	0	0	0	0	2	1	1	0	0	0	0	0	0	4
Total	3	18	50	98	73	51	26	6	7	3	0	0	0	0	335
Percent	1%	5%	15%	29%	22%	15%	8%	2%	2%	1%	0%	0%	0%	0%	100%

Average Speed:

27

MPH

85th Percentile Speed:

34

MPH



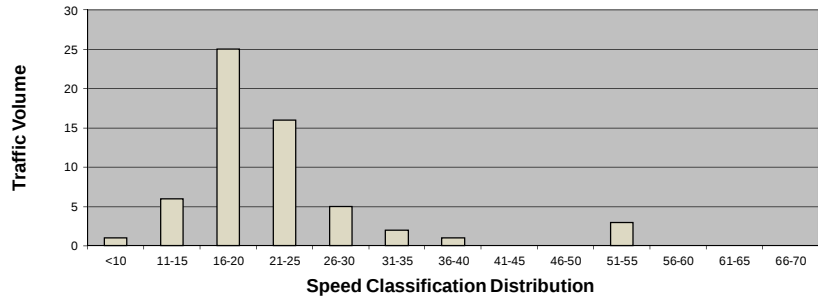
Westbound Windrock Drive Between Golden Point and Teal Way

Speed Classification Data

Project No. : 31-15
 Station No. : 700
 Counter No. : 6327

 Date: April 30, 2015
 Day of Week: Thursday

 Site: WB Windrock Drive
 Location: East of Golden Point
 City/State: Windcrest, Texas



Start Time	Speed Classification Distribution (MPH)														
	<10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	Total
24:00	0	0	0	1	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	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
12:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
13:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
14:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8
15:00	1	0	4	4	3	0	0	0	0	0	0	0	0	0	12
16:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
17:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
18:00	0	0	4	0	0	1	0	0	0	0	0	0	0	0	5
19:00	0	0	4	1	0	1	0	0	0	0	0	0	0	0	6
20:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
21:00	0	1	2	2	0	0	0	0	0	1	0	0	0	0	6
22:00	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
23:00	0	0	1	0	0	0	0	0	0	2	0	0	0	0	3
Total	1	6	25	16	5	2	1	0	0	3	0	0	0	0	59
Percent	2%	10%	42%	27%	8%	3%	2%	0%	0%	5%	0%	0%	0%	0%	100%

Average Speed:

22

MPH

85th Percentile Speed:

27

MPH



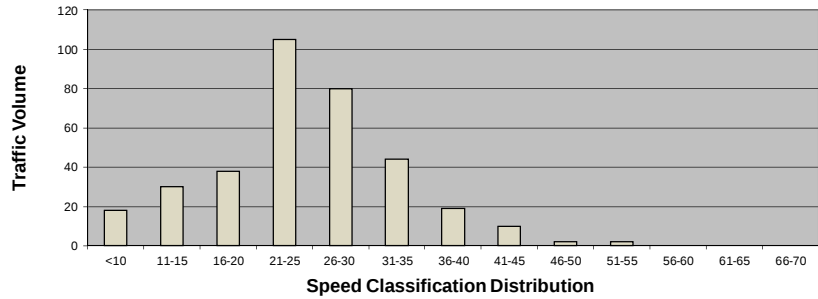
Northbound Windrock Drive Between Spindrift and Meadow Grove

Speed Classification Data

Project No. : 31-15
 Station No. : 800
 Counter No. : 6321

 Date: April 30, 2015
 Day of Week: Thursday

 Site: NB Windrock Drive
 Location: South of Spindrift
 City/State: Windcrest, Texas



Start Time	Speed Classification Distribution (MPH)														Total
	<10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	
24:00	0	1	1	3	0	1	0	0	0	0	0	0	0	0	6
01:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
07:00	0	0	3	4	0	1	0	0	0	0	0	0	0	0	8
08:00	1	2	4	7	1	2	0	0	0	0	0	0	0	0	17
09:00	0	1	2	6	3	5	2	1	0	0	0	0	0	0	20
10:00	1	3	4	9	4	2	1	1	0	0	0	0	0	0	25
11:00	0	5	2	10	4	2	0	0	0	0	0	0	0	0	23
12:00	4	5	5	8	3	3	3	1	0	0	0	0	0	0	32
13:00	0	3	3	8	8	3	1	1	0	0	0	0	0	0	27
14:00	2	4	5	11	6	5	0	0	0	0	0	0	0	0	33
15:00	1	4	0	9	8	4	1	0	0	0	0	0	0	0	27
16:00	3	0	1	8	7	2	1	0	0	0	0	0	0	0	22
17:00	2	0	2	5	6	1	3	0	0	0	0	0	0	0	19
18:00	1	0	3	9	7	0	2	2	0	0	0	0	0	0	24
19:00	0	0	0	2	8	5	3	2	0	0	0	0	0	0	20
20:00	0	0	1	1	4	1	0	0	1	2	0	0	0	0	10
21:00	1	1	0	1	3	3	2	2	1	0	0	0	0	0	14
22:00	1	0	0	1	6	2	0	0	0	0	0	0	0	0	10
23:00	0	1	1	2	0	1	0	0	0	0	0	0	0	0	5
Total	18	30	38	105	80	44	19	10	2	2	0	0	0	0	348
Percent	5%	9%	11%	30%	23%	13%	5%	3%	1%	1%	0%	0%	0%	0%	100%

Average Speed:

25

MPH

85th Percentile Speed:

33

MPH



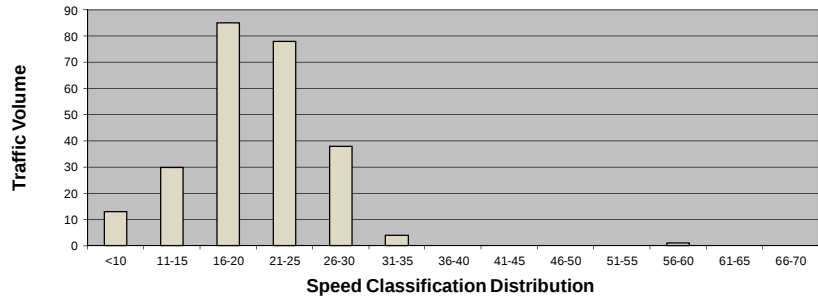
Southbound Windrock Drive Between Spindrift and Meadow Grove

Speed Classification Data

Project No. : 31-15
 Station No. : 800
 Counter No. :

 Date: April 30, 2015
 Day of Week: Thursday

 Site: SB Windrock Drive
 Location: South of Spindrift
 City/State: Windcrest, Texas



Start Time	Speed Classification Distribution (MPH)														
	<10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	Total
24:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	1	3	1	0	1	0	0	0	0	0	0	0	0	6
09:00	0	1	1	10	1	0	0	0	0	0	0	0	0	0	13
10:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4
11:00	0	0	4	9	0	1	0	0	0	0	0	0	0	0	14
12:00	0	0	7	6	1	0	0	0	0	0	0	0	0	0	14
13:00	1	3	13	11	3	0	0	0	0	0	0	0	0	0	31
14:00	1	3	7	7	3	0	0	0	0	0	0	0	0	0	21
15:00	1	1	6	8	2	0	0	0	0	0	0	0	0	0	18
16:00	2	2	8	6	4	1	0	0	0	0	0	0	0	0	23
17:00	3	0	10	5	7	1	0	0	0	0	0	0	0	0	26
18:00	1	0	4	7	10	0	0	0	0	0	0	0	0	0	22
19:00	1	3	4	3	7	0	0	0	0	0	0	0	0	0	18
20:00	0	4	1	0	0	0	0	0	0	0	1	0	0	0	6
21:00	0	5	3	0	0	0	0	0	0	0	0	0	0	0	8
22:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
Total	13	30	85	78	38	4	0	0	0	0	1	0	0	0	249
Percent	5%	12%	34%	31%	15%	2%	0%	0%	0%	0%	0%	0%	0%	0%	100%

Average Speed:

21

MPH

85th Percentile Speed:

26

MPH



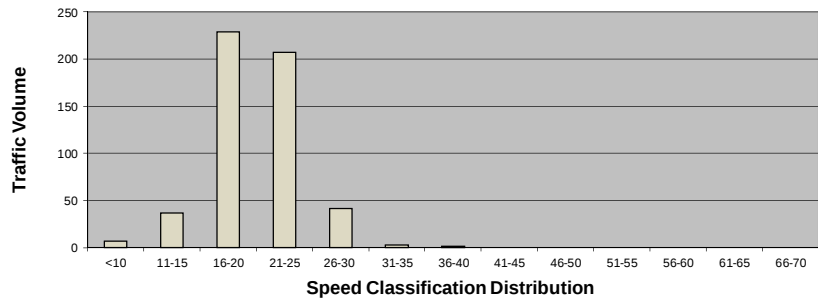
Northbound Windrock Drive Between Brook Falls and Hidden Hollow

Speed Classification Data

Project No. : 31-15
 Station No. : 900
 Counter No. : 5146

 Date: April 30, 2015
 Day of Week: Thursday

 Site: NB Windrock Drive
 Location: South of Brook Falls
 City/State: Windcrest, Texas



Start Time	Speed Classification Distribution (MPH)														
	<10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	Total
24:00	0	1	1	3	0	0	0	0	0	0	0	0	0	0	5
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	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	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	4	2	0	0	0	0	0	0	0	0	0	0	6
08:00	0	2	12	4	1	0	0	0	0	0	0	0	0	0	19
09:00	2	1	6	7	2	0	0	0	0	0	0	0	0	0	18
10:00	2	7	17	7	3	1	0	0	0	0	0	0	0	0	37
11:00	0	3	17	8	3	0	0	0	0	0	0	0	0	0	31
12:00	1	3	13	20	3	1	0	0	0	0	0	0	0	0	41
13:00	0	1	14	11	5	1	0	0	0	0	0	0	0	0	32
14:00	0	4	14	16	3	0	0	0	0	0	0	0	0	0	37
15:00	0	1	8	16	2	0	0	0	0	0	0	0	0	0	27
16:00	0	6	18	12	5	0	0	0	0	0	0	0	0	0	41
17:00	1	2	19	22	1	0	0	0	0	0	0	0	0	0	45
18:00	0	0	18	28	4	0	0	0	0	0	0	0	0	0	50
19:00	0	2	21	11	5	0	1	0	0	0	0	0	0	0	40
20:00	0	2	16	14	1	0	0	0	0	0	0	0	0	0	33
21:00	1	0	14	15	2	0	0	0	0	0	0	0	0	0	32
22:00	0	2	9	4	0	0	0	0	0	0	0	0	0	0	15
23:00	0	0	3	4	1	0	1	0	0	0	0	0	0	0	9
Total	7	37	229	207	42	3	2	0	0	0	0	0	0	0	527
Percent	1%	7%	43%	39%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	100%

Average Speed:

21

MPH

85th Percentile Speed:

24

MPH



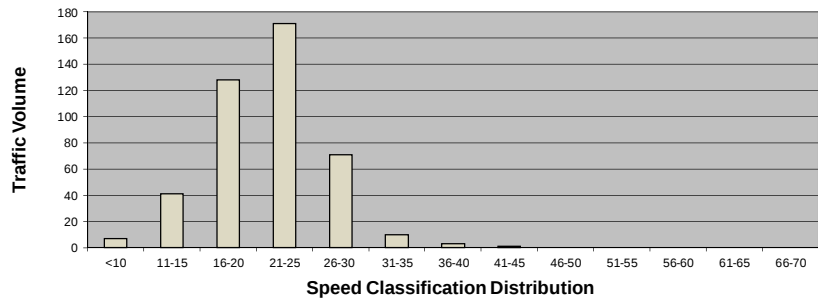
Southbound Windrock Drive Between Brook Falls and Hidden Hollow

Speed Classification Data

Project No. : 31-15
 Station No. : 900
 Counter No. : 5145

 Date: April 30, 2015
 Day of Week: Thursday

 Site: SB Windrock Drive
 Location: South of Brook Falls
 City/State: Windcrest, Texas



Start Time	Speed Classification Distribution (MPH)														
	<10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	Total
24:00	0	0	3	1	1	0	0	0	0	0	0	0	0	0	5
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
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	1	2	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
07:00	0	2	3	5	1	0	0	0	0	0	0	0	0	0	11
08:00	0	1	6	13	4	1	0	0	0	0	0	0	0	0	25
09:00	0	2	13	11	4	0	0	0	0	0	0	0	0	0	30
10:00	0	2	14	9	4	1	0	0	0	0	0	0	0	0	30
11:00	2	5	8	6	3	0	0	0	0	0	0	0	0	0	24
12:00	1	6	2	10	4	0	1	0	0	0	0	0	0	0	24
13:00	0	3	5	16	8	2	0	1	0	0	0	0	0	0	35
14:00	0	3	7	5	7	0	0	0	0	0	0	0	0	0	22
15:00	1	3	8	16	4	0	0	0	0	0	0	0	0	0	32
16:00	1	2	6	14	6	2	1	0	0	0	0	0	0	0	32
17:00	0	5	6	17	4	1	0	0	0	0	0	0	0	0	33
18:00	0	0	11	14	6	2	1	0	0	0	0	0	0	0	34
19:00	0	1	5	9	7	1	0	0	0	0	0	0	0	0	23
20:00	2	3	13	9	3	0	0	0	0	0	0	0	0	0	30
21:00	0	1	12	5	1	0	0	0	0	0	0	0	0	0	19
22:00	0	2	1	4	3	0	0	0	0	0	0	0	0	0	10
23:00	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
Total	7	41	128	171	71	10	3	1	0	0	0	0	0	0	432
Percent	2%	9%	30%	40%	16%	2%	1%	0%	0%	0%	0%	0%	0%	0%	100%

Average Speed:

22

MPH

85th Percentile Speed:

26

MPH