



*** PUBLIC NOTICE ***

**NOTICE OF A CITY COUNCIL REGULAR SESSION IMMEDIATELY FOLLOWING
A WORKSHOP SESSION
OF THE CITY OF CORINTH**

**Thursday, January 4, 2018, 5:30 P.M.
CITY HALL - 3300 CORINTH PARKWAY**

CALL TO ORDER:

WORKSHOP BUSINESS AGENDA

1. Discuss Regular Meeting Items on Regular Session Agenda, including the consideration of closed session items as set forth in the Closed Session agenda items below.
2. Receive a presentation on the Lynchburg Creek Watershed from the NCTCOG and Halff and Associates.
3. Receive a presentation on the Water and Wastewater Master Plan Report from Kimley Horn and Associates.

ADJOURN WORKSHOP SESSION

***NOTICE IS HEREBY GIVEN** of a Regular Session of the Corinth City Council to be held at Corinth City Hall located at 3300 Corinth Parkway, Corinth, Texas. The agenda is as follows:

CALL TO ORDER, INVOCATION, PLEDGE OF ALLEGIANCE & TEXAS PLEDGE:

"Honor the Texas Flag: I pledge allegiance to thee, Texas, one state under God, one and indivisible".

CONSENT AGENDA

All matters listed under the Consent Agenda are considered to be routine and will be enacted in one motion. Should the Mayor, a Councilmember, or any citizen desire discussion of any Item that Item will be removed from the Consent Agenda and will be considered separately.

1. Consider and act on minutes from the November 2, 2017 Workshop Session.
2. Consider and act on minutes from the November 2, 2017 Regular Session.
3. Consider and act on minutes from the December 7, 2017 Workshop Session.

4. Consider and act on minutes from the December 7, 2017 Regular Session.
5. Consider and act on Minutes from the December 14, 2017 Joint Workshop Session.
6. Discuss and consider approval of a Professional Services Agreement with Birkhoff, Hendricks and Carter, L.L.P. for work associated with the City of Corinth's Lake Sharon Drive/Dobbs Road alignment (Lake Sharon Drive Extension) and Quail Run Elevated Tank in the amount of \$916,205.

CITIZENS COMMENTS

In accordance with the Open Meetings Act, Council is prohibited from acting on or discussing (other than factual responses to specific questions) any items brought before them at this time. Citizen's comments will be limited to 3 minutes. Comments about any of the Council agenda items are appreciated by the Council and may be taken into consideration at this time or during that agenda item. Please complete a Public Input form if you desire to address the City Council. All remarks and questions addressed to the Council shall be addressed to the Council as a whole and not to any individual member thereof. Section 30.041B Code of Ordinance of the City of Corinth.

BUSINESS AGENDA

7. Consider and act on amending the Code of Ordinances of the City of Corinth, Texas by amending Chapter 70, Traffic Rules, by modifications to the maximum speed limits shown in Section 70.1, Speed Limits, Paragraph (c), Table of Maximum Speeds to set a maximum speed limit of 50 mph for the IH-35E frontage roads and 65 mph on the main lane of IH-35E inside Corinth.

COUNCIL COMMENTS & FUTURE AGENDA ITEMS

The purpose of this section is to allow each councilmember the opportunity to provide general updates and/or comments to fellow councilmembers, the public, and/or staff on any issues or future events. Also, in accordance with Section 30.085 of the Code of Ordinances, at this time, any Councilmember may direct that an item be added as a business item to any future agenda.

CLOSED SESSION

The City Council will convene in such executive or (closed session) to consider any matters regarding any of the above agenda items as well as the following matters pursuant to Chapter 551 of the Texas Government Code.

Section 551.071. (1) Private consultation with its attorney to seek advice about pending or contemplated litigation; and/or settlement offer; and/or (2) a matter in which the duty of the attorney to the government body under the Texas Disciplinary Rules of Professional Conduct of the State of Texas clearly conflicts with chapter 551.

- a. Lake Sharon Dam Development Agreement.

Section 551.072. To deliberate the purchase, exchange, lease or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with a third person.

Section 551.074. To deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee.

- a. City Manager evaluation.

Section 551.087. To deliberate or discuss regarding commercial or financial information that the governmental body has received from a business prospect that the governmental body seeks to have locate, stay, or expand in or near the territory of the governmental body and with which the governmental body is conducting economic development negotiations; or to deliberate the offer of a financial or other incentive to a business prospect.

After discussion of any matters in closed session, any final action or vote taken will be in public by the City Council. City Council shall have the right at any time to seek legal advice in Closed Session from its Attorney on any agenda item, whether posted for Closed Session or not.

RECONVENE IN OPEN SESSION TO TAKE ACTION, IF NECESSARY, ON CLOSED SESSION ITEMS.

ADJOURN:

Posted this 29 day of Jan, 2018 at 11:30 on the bulletin board at Corinth City Hall.

Kimberly Pence
Kimberly Pence, City Secretary
City of Corinth, Texas

WORKSHOP BUSINESS ITEM 2.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018
Title: Lynchburg Creek Presentation
Submitted For: Mike Brownlee, City Engineer **Submitted By:** Mike Brownlee, City Engineer
City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Receive a presentation on the Lynchburg Creek Watershed from the NCTCOG and Halff and Associates.

AGENDA ITEM SUMMARY/BACKGROUND

The Lynchburg Creek Flood Risk Report is a continuation of interagency work being performed by FEMA and the NCTCOG in the Upper Trinity watersheds. FEMA has phased the work into a Discovery Phase, Risk Identification and Assessment and Regulatory Product Updates. The Discovery phase has been completed and we are currently in Phase 2 or the Risk Identification and Assessment Phase. The cities of Corinth and Shady Shores are both participating in the cost of the study. Phase 2 was originally scheduled to be completed in March of 2017. NCTCOG contracted with Halff and Associates to perform the study.

The current phase of work is a continuation of the Discovery phase and will use detailed water shed information and provide a detailed analysis of the Lynchburg Creek watershed. The information gathered during Phase 2 will be used in the near term by Corinth and other communities within the basin to help plan future mitigation efforts and development within and surrounding the Lynchburg Creek watershed. The following activities were performed by the NCTCOG’s consultant as part of the Flood Risk Identification including: ?

1. Hydrologic data
2. Topographic survey
3. Perform field reconnaissance survey
4. Develop hydraulic model
5. Perform floodplain mapping
6. Project reports
7. Flood Risk Review/Resilience Meeting
8. Develop Flood Risk Report, Flood Risk Map, and Flood Risk Database

The modeling results and the Flood Risk Maps will be used both as a tool for current development and ultimately to produce the FIS and FIRM products used to regulate the Flood Insurance Program. The FIS and FIRM regulatory products won’t be available until Phase 3 is completed which is unknown at the current time.

RECOMMENDATION

Receive a presentation on the Lynchburg Creek Watershed from the NCTCOG and Halff and Associates.

WORKSHOP BUSINESS ITEM 3.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018
Title: Master Plan Report Presentation
Submitted For: Mike Brownlee, City Engineer **Submitted By:** Mike Brownlee, City Engineer
City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Receive a presentation on the Water and Wastewater Master Plan Report from Kimley Horn and Associates.

AGENDA ITEM SUMMARY/BACKGROUND

The recently completed Water and Wastewater Master Plan Report updates the last study performed in 2005. The study was performed to capture significant growth and changes to land uses have occurred over this time period. The updates to the 2005 report include growth projects, analysis and evaluation of the existing capacity useage, future demand projections, hydraulic modeling, and a Capital Improvements Plan.

RECOMMENDATION

Receive a presentation on the Water and Wastewater Master Plan Report from Kimley Horn and Associates.

CONSENT ITEM 1.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018

Title: November 2, 2017 Workshop Session

Submitted For: Kim Pence, City Secretary

Submitted By: Kim Pence, City Secretary

City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Consider and act on minutes from the November 2, 2017 Workshop Session.

AGENDA ITEM SUMMARY/BACKGROUND

Attached are minutes from the November 2, 2017 Workshop Session. The minutes are in draft form and not considered official until formally approved by the City Council.

RECOMMENDATION

Staff recommends approval of the November 2, 2017 Workshop Session minutes.

Attachments

Minutes

**STATE OF TEXAS
COUNTY OF DENTON
CITY OF CORINTH**

On this the 2nd day of November 2017 the City Council of the City of Corinth, Texas met in a Workshop Session at the Corinth City Hall at 5:30 P.M., located at 3300 Corinth Parkway, Corinth, Texas. The meeting date, time, place and purpose as required by Title 5, Subtitle A, Chapter 551, Subchapter C, Section 551.041, Government Code, with the following members to wit:

Members Present:

Bill Heidemann, Mayor
Joe Harrison, Mayor Pro-Tem
Sam Burke, Council Member
Lowell Johnson, Council Member
Scott Garber, Council Member
Don Glockel, Council Member

Members Absent:

None

Staff Members Present:

Bob Hart, City Manager
Debra Walthall, Chief of Police
Fred Gibbs, Planning and Development Director
Barbara Cubbage, Planning and Development Manager
Cody Collier, Public Works Director
Lee Ann Bunselmeyer, Finance Director
Cindy Troyer, Purchasing Agent
Guadalupe Ruiz, Human Resource Director
Jane Krhovjak, Human Resource Generalist
Jason Alexander, Economic Development Corporation Director
Kim Pence, City Secretary
Shea Rodgers, Technology Services Manager
Mack Reinwand, City Attorney

CALL TO ORDER:

WORKSHOP BUSINESS AGENDA

1. Discuss Regular Meeting Items on Regular Session Agenda, including the consideration of closed session items as set forth in the Closed Session agenda items below.

Consent Agenda item #1 Discussion:

1. **Consider and act on Minutes from the August 31, 2017 Workshop Session.**

Councilmember Glockel - on the August 31, 2017 minutes Nelisa stated that we are short on the water side by \$700,000. I am not arguing that these minutes are wrong I am just asking is the \$700,000 still right or wrong in her statement? Is this a booking error or did she take the correct numbers and put them in the correct pot and then say we are still \$700,000 short?

Bob Hart, City Manager - no, she had allocated the waste water... the capital charges to water so that is an incorrect statement she made there. The allocations between water and wastewater is wrong because the \$700,000 she is talking about, the some of the water charge should have been allocated to wastewater. Water should have been a little better

off and sewer was a little worse off.

Councilmember Glockel - so her statement here says "your water is short by more than \$700,000.00" If I look at that can I assume it was that booking thing then we were pretty close. If we had \$752,000.00 booked in the wrong category and she is saying that we are short by \$700,000.00 it is almost the same numbers so maybe the water was not as bad as we thought it was and the wastewater was not recovering as well as we may have thought.

Bob Hart, City Manager - that is exactly right.

Councilmember Glockel - so are the numbers that we used to set the new rates, do they accomplish what we set out to accomplish?

Bob Hart, City Manager - yes, for the water and wastewater combined, they do. If you separate it and say are we going to recover water? And are we going to recover wastewater? No they are going to be off a little bit but combined at the end of the day we are going to be ok.

Councilmember Glockel - I understand the combined but all through that discussion you kept saying we are trying to keep them separated.

Bob Hart, City Manager - that is right. Next year we will have to go back and look at that adjustment.

Councilmember Glockel - these minutes would have been so helpful printed on a fairly current basis. This was an August 31st set of minutes and it would have been great to have this information earlier.

Business Item #6 Discussion:

6. Consider an act on a contract with Superior Fiber & Data Services, Inc. to install a copper and fiber data cabling for the Public Safety Center and Fire Station #3.

Councilmember Glockel - I am surprised that you are bidding Cat6 and not E or 7?

Shea Rodgers, Technology Services Manager - beyond Cat6 we don't have networking equipment that would be able to support that and do not plan on upgrading that far.

Councilmember Glockel - 7 is nice for noise. I would have thought you might consider 6E for Ethernet?

Shea Rodger, Technology Services Manager - we did not consider. In my opinion there is not a need for that. We have Cat 5E in the City Hall building and it runs fine and in all of our new buildings it would be Cat 6.

Councilmember Glockel - Cat 6 is probably like Cat 5 was 10 years ago and is starting to get to the age of obsolete and I would think that we would want it to be something we could use for another 10 years. I would like to see 6E considered.

Shea Rodger, Technology Services Manager - if Council would like us to consider and get a quote for that we could.

Bob Hart, City Manager - part of this is time sensitive of where we are in the public safety building. If we do that are we going to create any problems where we would have to suspend some of the work out there?

Lee Ann Bunselmeyer, Finance Director - we do have a time-line. I think they are going to start running the cable on November 13th. This quote came in a little under budget so if Council wanted to approve this item and we can look at possibly getting a quote for the 6E up to the amount that is budgeted and that will give us some flexibility to look into it and see if there is enough cushion in there for us to upgrade.

2. General Legislation discussion by Honorable Lynn Stucky, State Representative.

Lynn Stucky, State Representative - went over some highlights of the 85th Legislative session review. We talked about transportation and we funded the agencies on the high speed rail from Dallas to Houston and we made sure that was all going to be built with private funds if it ever does get built. There was some money that was spent to help support the Texas Ports and Intelligence of the transportation system but that was about all that happened on transportation.

School funding and Charter Schools there is a lot of back and forth going on in Austin between the Senate and House on public schools, private schools, school choice and charter schools. There was a lot of stuff that came out of the Senate that was school choice that will be killed in the House. I personally do not want to give up and I think we all should have school choice but the money need to stay in the public school system for now and that was the feeling of the House. Our Constitution says that we have one quality education for our children and 91% of our kids, 5.3 million go to public schools and 9% go to private or home school.

Funding was done to include the enrollment growth that we have in this state. We have between 2,000 and 3,000 people moving to Texas every day.

We gave an additional \$75 million for districts experiencing rapid property value decreases that has problems with ASATAR. Ponder and Krum were two of those that received some of that money.

We put \$47.5 million for the New Instructional Facilities Allotment and we added \$25 million for E-Rate, which will bring high-speed broadband to public schools, and additional \$1 million is provided for libraries for this same issue.

I personally think that we are letting the teachers down and we are not funding where we need to be. Again that was a fight between the House and the Senate. We wanted to put half a billion dollars in TRS-Care and we ended up at \$350 million and in the Special Session we added a little bit more because the teachers premiums went way up and at some point their premiums are going to be more than what they are getting on a monthly basis from their retirement program which is ridiculous.

In Special Session House Bill 21 that went through added another \$322 million dollars to the public schools and it help in a variety of ways. The Charter Facility funding got \$60 million there.

Mayor Heidemann - can you explain how the funding works for Charter Schools?

Lynn Stucky, State Representative - It is so complicated. I would have to get someone here to explain that. I think that we should all play on the same level playing field but it is not because those properties are privately owned versus the public school system.

Mayor Heidemann - I read an article on it and if a Charter School as it is today, fails 3 out of 5 years by state law it has to be shut down. That was the basis of this article and it said the funding on that, the lien holders will have the rights to that facility but the payments would fall back on the local tax payers and that is my concern.

Lynn Stucky, State Representative - we will find out that answer to that and get back to you. I will tell you that I don't know for sure.

I had 8 Bills total that I authored and 5 of those 8 were passed in the law, two of them were state wide and three of them are local. I didn't go down there to create a lot of new laws I went down there and represent and be affective and I feel like I did. There is a lot to learn and there is still a lot to learn. I appreciate the opportunity to represent you.

We received a lot of calls from Denton during the Annexation and some of the other property issues such as property tax caps and that kind of stuff. We communicated with them and I was getting information from the Cities but I didn't know who all were involved. As a Representative on some of these issues I need to hear from the Cities what your thoughts are on how we move forward.

Some money will have to go to Hurricane Harvey, the Federal dollars right now coming from Harvey are \$15 Billion and the amount of money coming out of our state budget is \$103 million. The Red Cross is giving \$300 million and

there is a Rebuild Texas Fund for \$70 million and JJ Watt Foundation was able to put away \$37 million. After the Harvey Hurricane every House Committee met in Galveston and they are looking at what they could do along the coast to reduce the damage that occurred from these hurricanes.

The Stucky Bills:

- HB 2445: Hotel Occupancy Taxes - this was for Denton to change where some of the money that came back from the state was able to be used in the City.
- HB 2486: Texas military forces job protection
- HB 2565 & HB 2566: MUD bills
- HB 2654: PACE bill

Mayor Heidemann - How far out is the Phase 2 of Interstate 35E?

Lynn Stucky, State Representative - I have called several times on that and asked if the funding was in place or not and I received different answers. I will call on that get back with you.

Mayor Heidemann - I attend the Council of Government (COG) meetings and they talk about the amount of growth that is going to be just in Denton County alone. We don't have the infrastructure that can handle that amount of growth.

Lynn Stucky, State Representative - the demographers say Denton and Collin County will be the two fastest growing counties, not just in the state but in the nation for the next 5 years in a row. We have over 800,000 people now and the projection for 30 years from now is that there will be 3 million people in Denton County. Could they be way off? I guess they could but you are right, how are we going to move those people from point A to point B.

Mayor Heidemann - with all the growth here do they have a master plan on all how this is going to be put together?

Lynn Stucky, State Representative - I don't think we have a master plan. I know they had a fund for that type of stuff but who is getting the money and where it is going I don't have the answer to that. We will check on that as well. I have a great staff and we can find the answers for you.

Mayor Heidemann - as a Council, one of the things we try to do here is stay as current as we can with what is going on in the state and the different areas that impact us. We will ask you to come back and give us a more thorough update on what is going on in the state and if there are things that we should be looking forward to locally so we can do some forward planning.

Lynn Stucky, State Representative - we can start looking at bills and filing them as early as November prior to January 2019. If there is something that needs to be filed we can start working on it now. As far as what is coming down the pipe, we will try to keep you informed.

There was no Closed Session.

CLOSED SESSION

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dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee.

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RECONVENE IN OPEN SESSION TO TAKE ACTION, IF NECESSARY, ON CLOSED SESSION ITEMS.

ADJOURN:

Mayor Heidemann adjourned the Workshop meeting at 6:38 P.M.

AYES: All

Meeting adjourned.

Approved by Council on the _____ day of _____, 2017.

Kimberly Pence, City Secretary
City of Corinth, Texas

CONSENT ITEM 2.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018

Title: November 2, 2017 Regular Session minutes

Submitted For: Kim Pence, City Secretary

Submitted By: Kim Pence, City Secretary

City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Consider and act on minutes from the November 2, 2017 Regular Session.

AGENDA ITEM SUMMARY/BACKGROUND

Attached are minutes from the November 2, 2017 Regular Session. The minutes are in draft form and not considered official until formally approved by the City Council.

RECOMMENDATION

Staff recommends approval of the November 2, 2017 Regular Session minutes.

Attachments

Minutes

**STATE OF TEXAS
COUNTY OF DENTON
CITY OF CORINTH**

On this the 2nd day of November 2017 the City Council of the City of Corinth, Texas met in a Regular Session at the Corinth City Hall at 7:00 P.M., located at 3300 Corinth Parkway, Corinth, Texas. The meeting date, time, place and purpose as required by Title 5, Subtitle A, Chapter 551, Subchapter C, Section 551.041, Government Code, with the following members to wit:

Members Present:

Bill Heidemann, Mayor
Joe Harrison, Mayor Pro-Tem
Sam Burke, Council Member
Lowell Johnson, Council Member
Scott Garber, Council Member
Don Glockel, Council Member

Members Absent:

None

Staff Members Present:

Bob Hart, City Manager
Debra Walthall, Chief of Police
Fred Gibbs, Planning and Development Director
Barbara Cabbage, Planning and Development Manager
Cody Collier, Public Works Director
Lee Ann Bunselmeyer, Finance Director
Cindy Troyer, Purchasing Agent
Guadalupe Ruiz, Human Resource Director
Jane Krhovjak, Human Resource Generalist
Jason Alexander, Economic Development Corporation Director
Kim Pence, City Secretary
Shea Rodgers, Technology Services Manager
Mack Reinwand, City Attorney

CALL TO ORDER:

**7:00 P.M. CALL TO ORDER, INVOCATION, PLEDGE OF ALLEGIANCE & TEXAS PLEDGE:
"Honor the Texas Flag: I pledge allegiance to thee, Texas, one state under God, one and indivisible".**

Mayor Heidemann called the Regular meeting to order at 7:20 p. m, Councilmember Garber delivered the invocation and led in the Pledge of Allegiance and Texas Pledge.

PRESENTATION:

a. Little Elm will present a Plaque of Appreciation to the City of Corinth for their support.

Rodney Harrison, Little Elm Chief of Police and Jeremy Wilson, Assistant Fire Chief presented a Plaque of Appreciation to the City of Corinth for their incredible support to the men and women of the Town of

Little Elm during the loss of Detective Gary Walker #633 on January 17, 2017.

b. Colonel Chris Martin spoke on Denton County Veteran Coalition.

There are 3 major players in Denton County when it comes to Veterans Services and those are the United Way, Denton County Behavioral Health Leadership Team and the Denton County Veterans Coalition. We are a volunteer staff and we currently have 12 members on our board. We all work hand in hand providing services to 46,000 veterans in Denton County. Over 90% of funds go directly to help Veterans or provide Veterans services and programs.

Our Mission is to provide and establish systems so that we can address individual and collective Veterans issues across the County. We bring together Veterans and community resources to resolve Veterans issues and fill gaps in current services. We also provide emergency financial services and assist other Veterans organizations in achieving their goals.

Denton County Veterans Coalition Accomplishments:

- Voted Best in Denton County- Military and Veterans in 2016/2017
- In 2016, assisted 87 Veterans and their family members with over \$42,000 in emergency financial assistance.
- Assisted 61 Veterans and their families this year with \$9,400.
- In collaboration with the United Way, established Veteran Community Navigators.
- Provided leadership and members for the Denton County Behavioral Health Leadership Team Veterans Workgroup.
- Co-Sponsored third annual homeless Veterans stand in Denton County.
- Established homeless Veteran working group to end Veteran homelessness in the County.

CONSENT AGENDA

All matters listed under the Consent Agenda are considered to be routine and will be enacted in one motion. Should the Mayor, a Councilmember, or any citizen desire discussion of any Item that Item will be removed from the Consent Agenda and will be considered separately.

1. Consider and act on minutes from the August 31, 2017 Workshop Session.
2. Consider and act on minutes from the September 7, 2017 Workshop Session.
3. Consider and act on minutes from the September 7, 2017 Regular Session.

MOTION made by Councilmember Garber to approve the Consent Agenda as presented. Seconded by Councilmember Johnson.

AYES: Burke, Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: None

MOTION CARRIED

CITIZENS COMMENTS

In accordance with the Open Meetings Act, Council is prohibited from acting on or discussing (other than factual responses to specific questions) any items brought before them at this time. Citizen's comments will be limited to 3 minutes. Comments about any of the Council agenda items are appreciated by the Council and may be taken into consideration at this time or during that agenda item. Please complete a Public Input form if you desire to address the City Council. All remarks and questions addressed to the Council shall be addressed to the Council as a whole and not to any individual member thereof. Section 30.041B Code of Ordinance of the City of Corinth.

No one spoke during Citizens Comments.

BUSINESS AGENDA:

- 4. Consider and Act on a contract with ConvergeOne, Inc. to replace end-of-life and out-of-warranty phone hardware and software.

Bob Hart, City Manager - this was an item in the budget for replacement of the phone system. The new system will cover the existing facility and will be staged in the new Public Safety Facility.

MOTION made by Councilmember Harrison to approve the contract with ConvergeOne, Inc. in the amount of \$179,258.77 for hardware/software and professional services for the replacement of end of life and out-of-warranty phone hardware and software. Seconded by Councilmember Garber.

AYES: Burke, Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: None

MOTION CARRIED

- 5. Consider and Act on a contract with Presidio Networked Solutions Group, LLC to purchase additional networking equipment for the Public Safety Center and Fire Station 3.

Bob Hart, City Manager - it is the recommendation of the staff to approve the contract from Presidio Networked Solutions Group LLC to approve the purchase of additional networking equipment in the amount of \$52,391.10 for the Public Safety Center and Fire Station #3.

MOTION made by Councilmember Garber to approve the contract as described. Seconded by Councilmember Burke.

AYES: Burke, Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: None

MOTION CARRIED

- 6. Consider and Act on a contract with Superior Fiber & Data Services, Inc. to install copper and fiber data cabling for the Public Safety Center and Fire Station 3.

Bob Hart, City Manager - Based on the discussion and the issues raised earlier we would request approval to install the cabling at an amount not to exceed the budgeted amount not what is listed on the

agenda so that we would have an opportunity to go back and look at a Cat 6E or a Cat 7 copper cable to get a price on both of those and keep the project under budget.

Mayor Heidemann - what is the budget figure?

Shea Rodgers, Technology Services Manager - \$75,000.

MOTION made by Councilmember Burke to approve item #5 as presented with the amendment that staff be allowed to seek a bid and approve a contract for either 6E or 7 cable not to exceed the budgeted amount of \$75,000 and add that so long as the timing of that bid and performance of services will not delay the project. Seconded by Councilmember Glockel.

AYES: Burke, Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: None

MOTION CARRIED

7. Consider and act on the purchase of office furniture for the Public Safety Facility and Fire House.

Bob Hart, City Manager - we were able to work through the state contract for those items and because we kept those together we got an additional discount. We budgeted \$396,000.00 and it came in just under \$213,000.00. We are bringing you this as a recommendation to purchase these items at that bid amount.

There will be additional cost for moving and set up.

MOTION made by Councilmember Johnson to approve the purchase of office furniture for the Public Safety Facility and the Fire House from Texas Furniture Source, Inc. in the amount of \$212,722.66. Seconded by Councilmember Harrison.

AYES: Burke, Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: None

MOTION CARRIED

COUNCIL COMMENTS & FUTURE AGENDA ITEMS

The purpose of this section is to allow each councilmember the opportunity to provide general updates and/or comments to fellow councilmembers, the public, and/or staff on any issues or future events. Also, in accordance with Section 30.085 of the Code of Ordinances, at this time, any Councilmember may direct that an item be added as a business item to any future agenda.

Councilmember Glockel - would like to request the minutes to be more current and brought to Council for approval at the next Regular Scheduled meeting.

Bob Hart, City Manager - two weeks from tonight is the Lake Dallas Educational Foundation dinner and would like to know who will be able to attend so that I can turn it in.

Mayor Heidemann - thanked staff for all their hard work during the Pumpkin Palooza event. Next week is Veterans Day and the Corinth Elementary School is having a Special Veterans Day Recognition and everyone is invited.

Mayor Heidemann recessed the meeting at 7:37 p.m. * See Closed Session.

CLOSED SESSION

The City Council will convene in such executive or (closed session) to consider any matters regarding any of the above agenda items as well as the following matters pursuant to Chapter 551 of the Texas Government Code.

Section 551.071. (1) Private consultation with its attorney to seek advice about pending or contemplated litigation; and/or settlement offer; and/or (2) a matter in which the duty of the attorney to the government body under the Texas Disciplinary Rules of Professional Conduct of the State of Texas clearly conflicts with chapter 551.

Council met in Closed Session from 7:40 p.m. until 10:07 p.m.

- a. Donation bins.**
- b. Lake Sharon Dam**
- c. Lift Station 3A damages - Controlled Specialist Inc.**

Section 551.072. To deliberate the purchase, exchange, lease or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with a third person.

Section 551.074. To deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee.

Council met in Closed Session from 7:40 p.m. until 10:07 p.m.

- a. City Manager**

Section 551.087. To deliberate or discuss regarding commercial or financial information that the governmental body has received from a business prospect that the governmental body seeks to have locate, stay, or expand in or near the territory of the governmental body and with which the governmental body is conducting economic development negotiations; or to deliberate the offer of a financial or other incentive to a business prospect.

After discussion of any matters in closed session, any final action or vote taken will be in public by the City Council. City Council shall have the right at any time to seek legal advice in Closed Session from its Attorney on any agenda item, whether posted for Closed Session or not.

RECONVENE IN OPEN SESSION TO TAKE ACTION, IF NECESSARY, ON CLOSED SESSION ITEMS.

ADJOURN:

Mayor Heidemann adjourned the meeting at 10:08 p.m.

AYES: All

Meeting adjourned.

Approved by Council on the _____ day of _____ 2017.

Kimberly Pence, City Secretary
City of Corinth, Texas

CONSENT ITEM 3.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018

Title: December 7, 2017 Workshop Session

Submitted For: Kim Pence, City Secretary

Submitted By: Kim Pence, City Secretary

City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Consider and act on minutes from the December 7, 2017 Workshop Session.

AGENDA ITEM SUMMARY/BACKGROUND

Attached are minutes from the December 7, 2017 Workshop Session. The minutes are in draft form and not considered official until formally approved by the City Council.

RECOMMENDATION

Staff recommends approval of the December 7, 2017 Workshop Session minutes.

Attachments

Minutes

**STATE OF TEXAS
COUNTY OF DENTON
CITY OF CORINTH**

On this the 7th day of December 2017 the City Council of the City of Corinth, Texas met in a Workshop Session at the Corinth City Hall at 5:30 P.M., located at 3300 Corinth Parkway, Corinth, Texas. The meeting date, time, place and purpose as required by Title 5, Subtitle A, Chapter 551, Subchapter C, Section 551.041, Government Code, with the following members to wit:

Members Present:

Bill Heidemann, Mayor
Joe Harrison, Mayor Pro-Tem
Lowell Johnson, Council Member
Scott Garber, Council Member
Don Glockel, Council Member

Members Absent:

Sam Burke, Council Member

Staff Members Present:

Bob Hart, City Manager
Greg Wilkerson, Assistant Chief of Police
Kevin Tyson, Police Lieutenant
Curtis Birt, Lake Cities Fire Chief
Fred Gibbs, Planning and Development Director
Cody Collier, Public Works Director
Jason Alexander, Economic Development Corporation Director
Kim Pence, City Secretary
Brenton Copeland, Technology Services Assistant Manager
Mack Reinwand, City Attorney

CALL TO ORDER:

WORKSHOP BUSINESS AGENDA

1. Discuss Regular Meeting Items on Regular Session Agenda, including the consideration of closed session items as set forth in the Closed Session agenda items below.

Consent Agenda item #6 Discussion:

6. **Consider and act on 2017-18 Interlocal Cooperative Agreement with Denton County for Fire Protection in the unincorporated areas of the county within operating territory or jurisdiction of the Lake Cities area.**
7. **Consider and act on 2017-18 Interlocal Cooperative Agreement with Denton County for EMS services in the unincorporated areas of the county within operating territory or jurisdiction of the Lake Cities area.**

Councilmember Harrison - would like a brief discussion on both agreements. (Item #6 and #7)

Curtis Birt, Lake Cities Fire Chief - the two agreements are any unincorporated areas inside the four cities. We have jurisdiction over the toll bridge that goes to Little Elm and over the Lake Lewisville Bridge and we get credit for those.

Mayor Heidemann - are these contracts similar to the ones we signed last year?

Curtis Birt, Lake Cities Fire Chief - yes, we have signed the same ones since 2002. The only thing that changes a little bit is the pay outs and the reason for that is Commissioners Court only gives the fire marshal so much money and on those pay outs it moves a little bit. They calculate it on the calls for the previous year. If we run more calls than what is budgeted they pay us for them.

Mayor Heidemann - so if we go over we get paid for it?

Curtis Birt, Lake Cities Fire Chief - yes. If we make less calls than what they budgeted we still get paid what he budgeted.

Mayor Heidemann - if we go on an EMS call and if no one is transported then we do not get paid is that correct?

Curtis Birt, Lake Cities Fire Chief - yes. That is even for a Corinth resident. We cannot bill their insurance company unless we do something medical. Now, on the diabetic and seizure patients we will go to their houses and give them medicine and monitor them for about 20 minutes. Those patients we do bill a set amount because we did care on them even though we did not transport them.

Councilmember Glockel - the annexation of Hickory Creeks property, it is not going to be in the County.

Curtis Birt, Lake Cities Fire Chief - does not matter we still get credit for them living within our jurisdiction. The only difference is if we run EMS or fire call there they don't count it on their numbers anymore and the County does not pay it. It is part of Hickory Creeks City. When the calculations are done for all these contracts, it is done off 34,280 people so it is all the people we cover in Shady Shores, Hickory Creek, Lake Dallas and the unincorporated areas. Our calculations are over everybody we cover whether we do it or not.

8. Consider and act on an Interlocal Agreement for service between the City of Corinth and SPAN, Inc.

Councilmember Harrison - in the backup it talks about an Annex A and I don't have an Annex A.

Bob Hart, City Manager - that is there policy and procedures on how they operate. I will have to go back and double check on that. They would have sent that under a separate document. I can get that for you.

Councilmember Harrison - What happens if you exceed the budget amount or ridership on a monthly basis?

Bob Hart, City Manager - they will notify folks that we have run out of our allocation. Then they will have to pay. The bill is on a monthly basis so we won't start in January and run out in August. They will allocate over 12 month period so we may run out in the 4th week of a month then they will start off again the next month.

Councilmember Harrison - it talks about what SPAN is used for, the transportation for seniors and then it limits those people for special needs...

Bob Hart, City Manager - it is primarily medical related. It excludes taking people to jobs on a daily basis.

Councilmember Harrison - riders for seniors age 60 and older and people with documented disabilities for the limited purposes of medical treatments, doctors and dentists appointments and trips to get prescriptions filled, is this all it is going to be used for?

Bob Hart, City Manager - yes.

Councilmember Harrison - they will monitor that?

Bob Hart, City Manager - yes.

Mayor Heidemann - have we had any inquiries on this service yet?

Bob Hart, City Manager - yes. I have had several calls and I have told them the service would start in January.

Councilmember Harrison - when we had this service in the past, we had the same provisions on what you could do and what you could not do. Where we had the problem is that we had certain citizens in Corinth that was using up all of the trips to go to TWU and other schools. I assume they are going to monitor that? If they determine that 5 people use all the trips how will that work?

Bob Hart, City Manager - yes, they will monitor that. As we have been meeting with them we talked about some of the issues that came up in the past and they will work with us to avoid that. My recollection was we had 1 individual that was using to go to a job site in Denton and that took up a lot of trips and they will help us and want to see us long term and when we talked about limiting it to medical we figured that was a good place to start. We have 3 years with the grant and we can play with it with some low numbers and they said they would work with us on trying to figure out a way to make it sustainable long term.

Councilmember Harrison - what is the distance they go for medical? Will they take them to Dallas?

Bob Hart, City Manager - no, I think they have to stay in Denton. It has been 3 months since we had the conversations but I believe it is limited to Denton County.

9. Consider and act on approval for communication system and radio tower for new Public Safety Complex and Fire House.

Councilmember Glockel - is this over and above what we have?

Curtis Birt, Lake Cities Fire Chief - we had budgeted at the beginning of this project separately to do this just like we did the data and all that. We found that we could do it cheaper.

Councilmember Glockel - where is the foundation in this contract to do this?

Curtis Birt, Lake Cities Fire Chief - it is in the tower budget. Where we have the tower will actually save us a little bit of money. Instead of going in to a locker room at the police department which is the way they had it we will just go straight south into the building and then branch off from there. It is centered between where their radios are and ours.

Councilmember Harrison - there are reasons we are going sole-source.

Curtis Birt, Lake Cities Fire Chief - we have been trying since September to get somebody else to bid this and we couldn't. Everybody is busy and have something else going, it was too big of a project or too little of a project so we are at the point now where we would have to put a stop of the building if we don't. These are reasonable prices and we know these people. They are a good reputable company.

10. Consider and act on approval of calendar year 2018 Co-Sponsorship agreement between the City of Corinth and the Lake Cities Soccer Association for youth soccer.

Councilmember Glockel - when we first looked at budgets, dealing with fields we talked about the amounts of money it is costing us to provide a field and what they were collecting and paying us from all the activities. The next year more associations dealt with this and that number dwindled that the City was coming up with. I don't see anything in either one of these proposals for softball or soccer that says we are going to gross or lose "x" number of dollars. Compared to what it is costing us for city services versus the soccer association and what they are getting and what they are paying us. How do those numbers wash out?

Cody Collier, Public Works Director - we look at participation rates and multiply that by the cost to get what we should generate from participation. I can tell you that participation is estimated to be down this coming year based

on what we are seeing from the association. As to a dollar value I don't know that answer. I can get you that information from finance. It seem like we get back about 20% of what we pay to provide that service. So every dollar we expend to provide recreation activities out there we get 20 cents back.

Councilmember Glockel - in 2015 budget I don't think we were in the red but the next year we were in the red. Last year it was the same thing it cost us quite a bit more than what we were getting and I was just curious where we are at.

Cody Collier, Public Works Director - I can't imagine that recreation services were ever in the black. When you add what it takes like salaries, benefits, equipment, trucks, maintenance, materials, electricity and when you roll all of that in versus the money we generate back I don't think we are truly making money on any recreational activity.

Councilmember Glockel - I would like to know what we are truly paying out to have that activity.

Mayor Heidemann - remember we had problems with the concession stand and did we address that in this contract?

Cody Collier, Public Works Director - yes, the concession stands are now offered to the associations. What we are going to ask is they pay us back for the utility cost for water and power. If the associations want to run them they run them and if they do not then there will not be concession stands provided. The matter of getting someone in to provide is very difficult and the City did not charge them anything, they would sell at 100% profit and they quit coming because they were not making sufficient money to bring their equipment out there. We gave the Association about 7 month notice that we were going to do this and explained what we are doing and why and all the associations are in favor of doing that. The money they make is the associations other than the cost for water and power.

12. Consider and act on approval for the purchase of a new sanitary and storm sewer video camera system.

Councilmember Harrison - I assume this is only for the camera? What are you going to do about the 350 that evidently is 8 years old?

Cody Collier, Public Works Director - yes. The module we are buying now is a stand-a-lone unit and it no longer requires a dedicated vehicle. We can use the vehicle we have now to pull the old camera system out the new camera system will go in and we will utilize that vehicle as scheduled to go with the Enterprise potential for placement in 2019 or 2020 and at that time we can determine if we need a van with the new system or more beneficial to have a regular truck with a camper on the back, which we may already have and would be much cheaper and the entire system can ride in the back of that truck.

Councilmember Harrison - it says a 1 year warranty on the T.V system. What is the warranty on the whole system?

Cody Collier, Public Works Director - it is a 1 year warranty.

Business Item #14 Discussion:

14. Consider and act on a Resolution casting votes for membership to the Board of Directors of the Denton Central Appraisal District.

Bob Hart, City Manager - you have the candidates that are listed. Hopefully some of you know them. The way this works is there are 5,000 votes available and the City of Corinth has 32 votes. Generally what I would suggest is to take 16 votes on George Prior and 16 votes on David Terre only because those two were nominated by Denton County.

2. Discuss ISD Joint Meeting.

Bob Hart, City Manager - this meeting is scheduled for next Thursday, December 14th at 5:30 P.M. We will have the Board of Trustees from Lake Dallas and Denton here. They will start will talk about their projected growth rate and what they are seeing in terms of growth within their school district. They will have one of their consultants that

deals with school finance will speak on school finance particularly on financing public schools and also charter schools and some of the potential conflicts going on there.

I would like to come out of this with a follow up meeting to discuss vocational training. I think we will have some opportunities with Lake Dallas to talk about vocational training and bring in North Central Texas College (NCTC) into the mix.

Councilmember Johnson - we are talking to the two ISD's and a financial expert to explain to us about the financing and is there a reason why we don't have a representative from the charter school here as well for this meeting?

Bob Hart, City Manager - we have not reached out to them. I think this meeting is focused on dealing with the schools particularly on implications on taxing standpoint or a development standpoint. I think it is really dealing with the tax supported agencies here that impact Corinth.

Councilmember Johnson - the charter schools are tax supported in a different way. Is there going to be any explanation on that? On how they are supported out of the state?

Bob Hart, City Manager - yes that is what consultant with BOK will address.

Councilmember Johnson - I would like the charter districts to come and defend themselves or if there is a need for them to explain.

Councilmember Harrison - It is an open meeting so they can come and we can invite them back to participate.

Councilmember Johnson - I would like to do that.

3. Corinth Classical Academy traffic update.

Bob Hart, City Manager - this was a request from a few meetings ago regarding the traffic.

Kevin Tyson, Police Lieutenant - we started getting complaints regarding traffic backing up onto the 35 Service road. We originally thought the problem would alleviate itself however it did not. We spoke to the assistant director and tried to give her some ideas on traffic flow and what we could do to assist them to keep this problem from happening. The issue is the 35 service road is a 45 mph speed limit and there is also a hill. As people come over that hill to stopped traffic there is potential for an accident. It seems to be happening during the first release time at 2:45 p.m. and the second release time is 3:15 and we haven't had an issue during the second release time. It does not last very long maybe 10 to 15 minutes max and it clears out.

We went back to the school again to address the issue with them again and asked them to send emails out to the parents to please make the block if they come up to the intersection and it is backed up to give it an opportunity to clear out. They did not send the email out at that point. We put an officer out there when available to be over there at the 2:45 release time. We went back a third time to address the issue again and went back the next day and gave her some more suggestions.

They have what you would call a loading zone of about 12 to 16 vehicles and they wait until it is totally loaded then they roll everyone out so when the last car leaves and the loading zone is clear they let more folks in. I suggested that she go to some other schools to see how they do their traffic. Hawk Elementary has a very similar set up and I suggested to look there.

Greg Wilkerson - Assistant Chief of Police - when this school opened we developed a plan they have now deviated from that plan and changed it to this.

Kevin Tyson, Police Lieutenant - what I suggested they do is do not do the loading zone. Hawk Elementary has a teacher that runs right down the middle of the cars and she is punching out the numbers and a person inside the school is lining those kids up by number and each teacher physically walks the child to the car and lets them in. It is a

constant movement. With the loading zone they have now they are losing time for that zone to load up and clear out when you could be loading kids. We suggested that and she said she would go and take a look. I followed up with her today and did not get to speak to the director, I spoke with the assistant director and to her knowledge the director had not gone to look at that. The other suggestion made was to not use the loading zone and run the vehicles all the way down to the parking lot where they park and come in to pick up their child and she did not want them getting jammed up in line. I did find out today on early release day we will be over there to make sure it does not get onto the service road and she did state they would consider doing the longer line and go out and around the parking lot.

We suggested again that they send an email out to the parents to let them know that we are working with them but we are to the point that we will have to issue citations if people back up on the service road. That email was sent out to the parents on December 4th. In that email it stated that the police department required them to change their times for release which we never suggested. We will be out there again on December 15th and if it happens again we will go from there. We are trying to do everything we can on our end.

Greg Wilkerson - Assistant Chief of Police - the last thing we want to do is issue citations to the parents but by the same token we owe it to the other motorists that we make sure there is a safe environment out there. We are trying to get some sort of compliance and the director over there has not been very helpful.

Councilmember Garber - are we allowed to put a small sign out there on that road that says "Do not stop on access road"?

Kevin Tyson, Police Lieutenant - it is state law you cannot impede traffic.

Bob Hart, City Manager - TXDOT would have to put the sign out there. It is their road.

Councilmember Garber - have they applied for some sort of rezoning or restructuring of that school to turn it into a high school rather than an elementary?

Fred Gibbs, Planning and Development Director - no they have not. They have not expressed any interest to me. They are developing the north side for baseball fields and that sort of thing.

4. Hold a discussion on the adopted City of Corinth Thoroughfare Plan from the Comprehensive Plan.

Bob Hart, City Manager - the County is looking at doing their Bond Election for transportation and I have started having some conversations there to try to get some projects on from Corinth's perspective. I think the one I have had the most conversation at this point is on the alignment of Dobbs and Lake Sharon and the bridge across Interstate 35 that would be over that. The County is willing to put in \$28 million dollars. The other two I would like to get the County to step in and take the leadership role in rebuilding Shady Shores. Shady Shores is in bad shape and it crosses a number of jurisdictions so I think that is a big issue. The third project would be looking at the widening of Post Oak. Those are the 3 I would like to go forward with the County on. I would like to see if the Council would agree with that and begin communicating that as a desire of the community.

Councilmember Harrison - I don't understand what the push is on Lake Sharon. Post Oak I have no problem with doing that one and that would be my first priority. My second priority ties in to what we just talked about with traffic at the Corinth Classical Academy Charter School. The traffic on Riverview is increasing and is going to increase a great deal. What is happening now is you get the backup at the Charter school so the streets in that neighborhood are coming down and hitting Riverview to get away from the traffic stop on Meadowview to get on the frontage road to get on the on ramp to 35. It seems to me if we want to try to alleviate additional going to the intersection at FM 2181 and Interstate 35 and the way to do that is to open up Riverview. It is only 400' feet that you are dealing with. My question is what is it going to cost us and what is it going to do to our tax base?

Bob Hart, City Manager - what I was trying to bring forward are the streets that I think we could get the County to include in their Bond Election. These are 3 projects that would fall in that. Riverview would be strictly a local kind of an issue. What my tendency would be to do on Riverview is get the County to build it and we buy the material.

Councilmember Harrison - you could do Garrison and tie it all together because it connects.

Bob Hart, City Manager - my thought on that is I think Garrison would continue to fall into more of a local street category. I was trying to identify those that I think would rise to the level of the County and I don't think Garrison would do that.

Councilmember Harrison - why would Post Oak?

Bob Hart, City Manager - Post Oak I feel would be because of connection back at the major intersection at I-35 to FM 2181 would give it a regional implication.

Councilmember Harrison - what is the need for doing Lake Sharon?

Bob Hart, City Manager - there is two things that are driving it, one being from my perspective is the County is getting ready to do a Bond Election and I think those things typically take 10 year lookout and the second, on the Dobbs Lake Sharon alignment, one is Huffines is going in and by getting that alignment done and tying it to the bridge you are opening up additional properties for Economic Development purposes along the Interstate. On the other side where you have Corinth Parkway that comes around and then you have the short Dobbs section back to I-35 and in order to protect the right-of-way with that alignment I think we should deal with that now instead of letting them do something and coming back and having to tear down a building, do a condemnation or blocking it all together is an issue. We have to look at building the elevated storage tank over in that area and the access point would tie in to all of this work. When you start looking at working with CoServ to secure the acre in a half and how we start to line up the waterlines to get that elevated storage then the street becomes an issue because how are you going to access it. Right now is a nice time to go in there and fix all of that at one time. The County would like to see this done hence their reason for wanting to throw in \$28 million to help make that happen.

Councilmember Harrison - what is it going to cost us?

Bob Hart, City Manager - about \$4 million.

Councilmember Harrison - so we would have to issue debt for about \$4 million?

Bob Hart, City Manager - yes. We did place in the budget this year to do the alignment study on that so that we can go ahead and figure out what right-of-way we need to buy and we also have money in the budget to do the engineering on the elevated storage tank and that was all in anticipation of this.

Councilmember Harrison - so somewhere we are going to have to find \$4 million additional cost that we have never talked about until this past year. What would happen if we decided we wanted to hire 18 people? Would that have any bearing on this \$4 million?

Bob Hart, City Manager - if you wanted to hire 18 people and you wanted to figure out how to pay for that, that would create problems on issuing the debt because you have to raise taxes to do that.

Councilmember Garber - changing the thoroughfare plan is just what we intend to do right? So it is not like we are committing to spend \$4 million dollars today. This is something that can happen over the next 10 years.

Bob Hart, City Manager - I think as far as Post Oak and Shady Shores would be involved, yes you would have some time to do that. I think for Dobbs and the Lake Sharon alignment if we commit to do that and the County commits to include that in the Bond Election then we are going to have to play at the schedule the County and TXDOT works out. Is that 2 years from now, 5 years from now or 10 years from now, I don't know.

Councilmember Garber - right. We will have budget meetings and this is something that would be voted on through the budget. This is just allowing us the opportunity to have the County dollars for that project if we decide to do something.

Bob Hart, City Manager - what I am saying is we need to go start talking with Hugh Coleman and let him know Corinth wants money for these kind of projects and we would like to see you include these projects in the County Bond Election so that at some point get ready to do these projects there is County participation money there. If you don't play today then you are not going to play for a long time.

Councilmember Johnson - if we are talking about getting County participation for Post Oak I think the County would see a better bang for their buck to do Garrison. Garrison is a direct, straight shot feeder from I-35 to FM 2181 and it alleviates traffic problems at Swisher. It already backs up when there is a problem on I-35 with people trying to get to FM 2181 to go west. We have talked about that one before and said about \$160,000 to \$180,000 on the City's side to do that. The engineering would be getting it across the creek and get the sidewalk in if I remember correctly. I think the County would be much more willing to participate in that one because it will commercial on at least one side and provide more a relief factor for the service road.

As far as Shady Shores goes I do agree we need to get the County 100% involved there. Those two I think would be better than Post Oak.

Bob Hart, City Manager - I don't have any problem going in there and starting to pitch for projects. How many would make it, I don't know but if we don't get out there you don't get anything. Right now we are in about a 45 day window to do this.

Councilmember Glockel - I recall the stage 2 state plan because of the hill, it will eliminate Dobbs as we know it today and that will isolate that area and limit any development if we don't connect to this bridge. I think it is important that we do that. I agree with Councilmember Harrison on Riverview it is a short street and carries a lot of traffic now. If you can get through all the potholes you can get to the I-35 service road. I think we should take a look at Riverview.

Curtis Birt, Fire Chief - we go out Riverview every day on a call.

Councilmember Harrison - we have discussed for years abandoning that road and giving it to the two owners of the property on both the north and the south side. I could support Post Oak, Garrison, and Shady Shores. I think that Lake Sharon Bridge is important for the future. As far as I am concerned Post Oak is the number one priority that we have for the City because the traffic is getting so bad now and will get worse with FM 2499 opens up.

Mayor Heidemann - is there a consensus to go ahead and give the City Manager the authority to put those 4 items on the agenda?

It was the Consensus of the Council to give the City Manager authority to discuss and include the following projects on the County Bond Election.

**Dobbs Road
Lake Sharon
Shady Shores
Post Oak
Garrison
Riverview**

Mayor Heidemann recessed the meeting at 6:46 p.m. * See Closed Session.

CLOSED SESSION

The City Council will convene in such executive or closed session to consider any matters regarding any of the above agenda items as well as the following matters pursuant to Chapter 551 of the Texas Government Code.

Section 551.071. (1) Private consultation with its attorney to seek advice about pending or contemplated litigation; and/or settlement offer; and/or (2) a matter in which the duty of the attorney to the government body under the Texas Disciplinary Rules of Professional Conduct of the State of Texas clearly conflicts with chapter 551.

Section 551.072. To deliberate the purchase, exchange, lease or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with a third person.

Council met in Closed Session from 6:47 p.m. until 6:52 p.m.

a. Lake Sharon Project - Right-of-Way Acquisition

Section 551.074. To deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee.

Section 551.087. To deliberate or discuss regarding commercial or financial information that the governmental

Section 551.087. To deliberate or discuss regarding commercial or financial information that the governmental body has received from a business prospect that the governmental body seeks to have locate, stay, or expand in or near the territory of the governmental body and with which the governmental body is conducting economic development negotiations; or to deliberate the offer of a financial or other incentive to a business prospect.

After discussion of any matters in closed session, any final action or vote taken will be in public by the City Council. City Council shall have the right at any time to seek legal advice in Closed Session from its Attorney on any agenda item, whether posted for Closed Session or not.

RECONVENE IN OPEN SESSION TO TAKE ACTION, IF NECESSARY, ON CLOSED SESSION ITEMS.

There was no action taken from Closed Session.

ADJOURN:

Mayor Heidemann adjourned the Workshop meeting at 6:53 P.M.

AYES: All

Meeting adjourned.

Approved by Council on the _____ day of _____, 2017.

Kimberly Pence, City Secretary
City of Corinth, Texas

CONSENT ITEM 4.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018

Title: December 7, 2017 Regular Session

Submitted For: Kim Pence, City Secretary

Submitted By: Kim Pence, City Secretary

City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Consider and act on minutes from the December 7, 2017 Regular Session.

AGENDA ITEM SUMMARY/BACKGROUND

Attached are minutes from the December 7, 2017 Regular Session. The minutes are in draft form and considered official until formally approved by the City Council.

RECOMMENDATION

Staff recommends approval of the December 7, 2017 Regular Session minutes.

Attachments

Minutes

**STATE OF TEXAS
COUNTY OF DENTON
CITY OF CORINTH**

On this the 7th day of December 2017 the City Council of the City of Corinth, Texas met in a Regular Session at the Corinth City Hall at 7:00 P.M., located at 3300 Corinth Parkway, Corinth, Texas. The meeting date, time, place and purpose as required by Title 5, Subtitle A, Chapter 551, Subchapter C, Section 551.041, Government Code, with the following members to wit:

Members Present:

Bill Heidemann, Mayor
Joe Harrison, Mayor Pro-Tem
Lowell Johnson, Council Member
Scott Garber, Council Member
Don Glockel, Council Member

Members Absent:

Sam Burke, Council Member

Staff Members Present:

Bob Hart, City Manager
Curtis Birt, Lake Cities Fire Chief
Fred Gibbs, Planning and Development Director
Barbara Cubbage, Planning Manager
Cody Collier, Public Works Director
Jason Alexander, Economic Development Corporation Director
Kim Pence, City Secretary
Brenton Copeland, Technology Services Assistant Manager
Mack Reinwand, City Attorney

CALL TO ORDER, INVOCATION, PLEDGE OF ALLEGIANCE & TEXAS PLEDGE:

"Honor the Texas Flag: I pledge allegiance to thee, Texas, one state under God, one and indivisible".

Mayor Heidemann called the meeting to order at 7:00 p.m., Councilmember Garber delivered the invocation and led in the Pledge of Allegiance and the Texas Pledge.

PRESENTATION:

Lance Hendrik, Chairman, Keep Corinth Beautiful Committee will provide an update on Keep Corinth Beautiful.

No update presented.

CONSENT AGENDA

All matters listed under the Consent Agenda are considered to be routine and will be enacted in one motion. Should the Mayor, a Councilmember, or any citizen desire discussion of any Item that Item will be removed from the Consent Agenda and will be considered separately.

- 1. Consider and act on minutes from the September 21, 2017 Workshop Session.**
- 2. Consider and act on minutes from the September 21, 2017 Regular Session.**
- 3. Consider and act on minutes from the September 28, 2017 Special Session.**

4. Consider and act on minutes from the October 19, 2017 Workshop Session.
5. Consider and act on the minutes from October 19, 2017 Regular Session.
6. Consider and act on 2017-18 Interlocal Cooperative Agreement with Denton County for Fire Protection in the unincorporated areas of the county within operating territory or jurisdiction of the Lake Cities area.
7. Consider and act on 2017-18 Interlocal Cooperative Agreement with Denton County for EMS services in the unincorporated areas of the county within operating territory or jurisdiction of the Lake Cities area.
8. Consider and act on an Interlocal Agreement for service between the City of Corinth and SPAN, Inc.
9. Consider and act on approval for communication system and radio tower for new Public Safety Complex and Fire House.
10. Consider and act on approval of calendar year 2018 Co-Sponsorship agreement between the City of Corinth and the Lake Cities Soccer Association for youth soccer.
11. Consider and act on approval of calendar year 2018 Co-Sponsorship agreement between the City of Corinth and the Lake Cities Girls Softball Association for youth softball, adult softball and youth baseball.
12. Consider and act on approval for the purchase of a new sanitary and storm sewer video camera system.

MOTION made by Councilmember Harrison to approve the Consent Agenda as presented. Seconded by Councilmember Johnson.

AYES: Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: Burke

MOTION CARRIED

CITIZENS COMMENTS

In accordance with the Open Meetings Act, Council is prohibited from acting on or discussing (other than factual responses to specific questions) any items brought before them at this time. Citizen's comments will be limited to 3 minutes. Comments about any of the Council agenda items are appreciated by the Council and may be taken into consideration at this time or during that agenda item. Please complete a Public Input form if you desire to address the City Council. All remarks and questions addressed to the Council shall be addressed to the Council as a whole and not to any individual member thereof. Section 30.041B Code of Ordinance of the City of Corinth.

No one spoke

Mayor Heidemann recused himself from discussion on item #13.

PUBLIC HEARING:

13. **TO HEAR PUBLIC OPINION REGARDING A REQUEST FROM S. RAY HUFFINES APPLICANT REPRESENTING THE PROPERTY OWNER HUFFINES CHILDREN'S TRUST FOR A ZONING CHANGE AMENDING PLANNED DEVELOPMENT ORDINANCE NO. 16-05-05-15 ON 13.773 ACRES OF LAND SITUATED IN THE E. A. GARRISON SURVEY, COUNTY ABSTRACT 511 BEING TRACTS 36, 35, 34, 33, AND 24 IN THE CITY OF CORINTH, DENTON**

COUNTY, TEXAS. This property fronts IH 35E south of Lake Sharon Drive and also fronts Tower Ridge Drive.

Fred Gibbs, Planning and Development Director - the Huffines group has come back to make an amendment to their PD. What is included in the amendment is some changes in elevations, the site plan has changed a little bit as well and the more significant change that has happened was originally the carwash was part of the bays of the Huffines Dealership and that is now a separate building. Lastly, the Body Shop Collision Center which was an SUP in the original ordinance they are requesting tonight that be allowed by right.

The staff and the Planning and Zoning Commission both support the zoning change amending the Huffines Planned Development Ordinance and associated detailed site plan documents.

Don Pascal, Huffines Dealership Representative - basically two or three reasons why we asked for this, the carwash, the SUP removal and to bring everything into compliance. Both of the new vehicle dealerships in the site plan will now have their own service buildings. The original plan put both of them in a larger service building.

Staff has asked that as long as we are updating the Ordinance to update all the graphics to make sure they are in compliance so that this Ordinance would be the most accurate and up to date we have that will govern the project and it did make sense and we have updated all the documents to make sure they are in full compliance with all the regulations. We had hoped to originally be open by Labor Day however, I think we will be doing well to be opened by Thanksgiving. We are moving at a good pace so it might be a little earlier.

Mayor Pro Tem Harrison opened the Public Hearing at 7:31 p.m. there was no public comments made. Mayor Pro Tem closed the Public Hearing at 7:32 p.m.

BUSINESS:

13a. Consider and act on an ordinance amending the Comprehensive Zoning Ordinance being a part of the Unified Development Code, Ordinance No. 13-05-02-08, as amended and amending Planned Development Ordinance No. 16-05-05-15 on 13.773 acres of land situated in the E. A. Garrison Survey, County Abstract 511 being Tracts 36, 35, 34, 33, and 24 in the City of Corinth, Denton County, Texas.

MOTION made by Councilmember Johnson to approve the Ordinance changes and other corrections to the current Ordinance in place as presented by Huffines Corporations and the Representatives. Seconded by Councilmember Glockel.

AYES: Garber, Johnson, Harrison, Glockel
NOES: None
ABSENT: Burke

MOTION CARRIED

14. Consider and act on a Resolution casting votes for membership to the Board of Directors of the Denton Central Appraisal District.

Bob Hart, City Manager - as a taxing jurisdiction within Denton County you are entitled to a certain number of votes for their Board of Directors. In this particular case there are 5,000 votes available and you have 32 of those. You have candidates that have been nominated previously by the various taxing jurisdictions and now this is your opportunity to vote for the candidates and they are listed there for you.

MOTION made by Councilmember Johnson to split our 32 votes and use 16 for George Prior and 16 for David Terre. Seconded by Councilmember Garber.

AYES: Garber, Johnson, Harrison, Glockel

NOES: None
ABSENT: Burke

MOTION CARRIED

COUNCIL COMMENTS & FUTURE AGENDA ITEMS

The purpose of this section is to allow each councilmember the opportunity to provide general updates and/or comments to fellow councilmembers, the public, and/or staff on any issues or future events. Also, in accordance with Section 30.085 of the Code of Ordinances, at this time, any Councilmember may direct that an item be added as a business item to any future agenda.

Councilmember Johnson - would like to remind everyone that today in history is Pearl Harbor Day. It was on this day back in 1941 that the United States was pushed in to World War II and those members of our society that was in service that day are slowly dying away and there is not many left. I hope that we don't forget as a Nation there sacrifice to what they did to help us.

Councilmember Harrison - I appreciate the staff and all their work on the Christmas Tree Lighting. It is one of those things that we can proud of that the City of Corinth does and we carry it out in a good, peaceful, loving way and I appreciate that.

Councilmember Glockel - this is the 38th year we have hosted the Senior Christmas Dinner Reunion and a lot of people in this room including Huffines has helped with that for several years. Thank you to the people that support that. The event will be held on December 13, 2017.

Mayor Heidemann - would like to thank Mr. Garber who was the MC of the Christmas program and he did a great job at coordinating everything. I would also like to mention we are having a Special Workshop on December 14, 2017 with the City Council, Lake Dallas ISD and the Denton ISD Trustees meeting in an open workshop to go over future growth and school finance. I would like to wish everyone a Merry Christmas as this will be our last official Council meeting for this fiscal year.

There was no Closed Session.

CLOSED SESSION

The City Council will convene in such executive or closed session to consider any matters regarding any of the above agenda items as well as the following matters pursuant to Chapter 551 of the Texas Government Code.

Section 551.071. (1) Private consultation with its attorney to seek advice about pending or contemplated litigation; and/or settlement offer; and/or (2) a matter in which the duty of the attorney to the government body under the Texas Disciplinary Rules of Professional Conduct of the State of Texas clearly conflicts with chapter 551.

Section 551.072. To deliberate the purchase, exchange, lease or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with a third person.

a. Lake Sharon Project - Right-of-Way Acquisition

Section 551.074. To deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee.

Section 551.087. To deliberate or discuss regarding commercial or financial information that the governmental

Section 551.087. To deliberate or discuss regarding commercial or financial information that the governmental body has received from a business prospect that the governmental body seeks to have locate, stay, or expand in or near the territory of the governmental body and with which the governmental body is conducting economic development negotiations; or to deliberate the offer of a financial or other incentive to a business prospect.

After discussion of any matters in closed session, any final action or vote taken will be in public by the City Council.

City Council shall have the right at any time to seek legal advice in Closed Session from its Attorney on any agenda item, whether posted for Closed Session or not.

RECONVENE IN OPEN SESSION TO TAKE ACTION, IF NECESSARY, ON CLOSED SESSION ITEMS.

There was no action taken from Closed Session.

ADJOURN:

Mayor Heidemann adjourned the Workshop meeting at 7:38 P.M.

AYES: All

Meeting adjourned.

Approved by Council on the _____ day of _____, 2017.

Kimberly Pence, City Secretary
City of Corinth, Texas

CONSENT ITEM 5.

City Council Regular and Workshop Session

Meeting Date: 01/04/2018

Title: December 14, 2017 Joint Workshop Session

Submitted For: Kim Pence, City Secretary

Submitted By: Kim Pence, City Secretary

City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Consider and act on Minutes from the December 14, 2017 Joint Workshop Session.

AGENDA ITEM SUMMARY/BACKGROUND

Attached are the minutes from the December 14, 2017 Joint Workshop Session. The minutes are in draft form and not considered official until formally approved by the City Council.

RECOMMENDATION

Staff recommends approval of the December 14, 2017 Joint Workshop Session minutes.

Attachments

Minutes

**STATE OF TEXAS
COUNTY OF DENTON
CITY OF CORINTH**

On this the 14th day of December 2017 the City Council, Denton ISD, and Lake Dallas ISD met in a Joint Workshop Session at the Corinth City Hall at 5:30 P.M., located at 3300 Corinth Parkway, Corinth, Texas. The meeting date, time, place and purpose as required by Title 5, Subtitle A, Chapter 551, Subchapter C, Section 551.041, Government Code, with the following members to wit:

Members Present:

Bill Heidemann, Mayor
Joe Harrison, Mayor Pro-Tem
Lowell Johnson, Council Member
Scott Garber, Council Member
Don Glockel, Council Member

Members Absent:

Sam Burke, Council Member

Staff Members Present:

Bob Hart, City Manager
Kim Pence, City Secretary
Shea Rodgers, Technology Services Manager

Denton Independent School District Members Present:

Mia Price, Trustee
Doug Chadwick, Trustee
Jamie Wilson, Superintendent
Jim Alexander, Trustee
Charles Stafford, Trustee
Barbara Burns, Trustee

Lake Dallas Independent School District Members Present:

Scott Baird, Trustee
Tim Hicks, Trustee
Gayle Stinson, Superintendent
Wes Eversole, Trustee
Steve Payne, Trustee
Chad Thiessen, Trustee

Others Present:

Bill Gumbert, BOK Financial Securities, Inc.

CALL TO ORDER, INVOCATION, PLEDGE OF ALLEGIANCE & TEXAS PLEDGE:

"Honor the Texas Flag: I pledge allegiance to thee, Texas, one state under God, one and indivisible".

Mayor Heidemann called the meeting to order at 5:30 p.m. Chad Thiessen called the meeting to order at 5:30 and Mia Price called the meeting to order at 5:30 p.m.

BUSINESS AGENDA

1. Discuss anticipated residential growth and school finance issues.

Mayor Heidemann - I appreciate everyone taking the time to come here tonight to make sure we are all on the

same page and hopefully this will be beneficial to all people when everyone has a better understanding of what we have to do and what we have to accomplish.

Jamie Wilson, Denton ISD - we have two different vertical zones that are part of the City of Corinth. Interstate 35 divides our Ryan High School zone from our Guyer High School zone. Not of any of these schools are all Corinth but a couple of them are majority in Corinth.

Gayle Stinson, Lake Dallas ISD - we are a total of 18 square miles with 9 of those under water in Lake Lewisville. So we are working with 9 square miles total. On our side of Corinth we peaked around 10 years ago in our district of 4100 and we think our capacity total is around 4600 given the square miles. The Corinth neighborhoods that are encompassed by Lake Dallas ISD matured and we are now seeing some growth from that.

- Corinth Elementary could enroll more than 660 students by 2019
- Lake Dallas ISD could enroll more than 1,800 elementary students by 2018, and roughly 1,900 by 2020
- Lake Dallas Middle School may enroll more than 1,000 students by 2020

Jamie Wilson, Denton ISD - as a Councilmember one thing you might want to know is as you look at development and things that are coming in is our demographer uses a .7 multiplier which is .7 students for every rooftop so 100 homes will bring 70 students. If you bring 1,000 homes here that is 700 additional students. What is your plan for development of a school site in your development? We have not purchased elementary school sites in quite some time because we have an expectation that the developer will donate a site for that school to go in.

People really don't understand as local property values go up the state share of the school funding goes down. The school districts do not get any additional funding for their maintenance and operations of the schools. The state sweeps that off into other sections of the budget.

Bill Gumbert, BOK Financial Securities, Inc. - it is great to see the school districts and the City of Corinth at the same table. We all know there needs to be partnership to be able to provide the greatest benefit to the community that we live in.

I am going to give you a little bit of information on the school choice movement in the state of Texas. This is to educate the City on what the financial implications are to the school district associated with school choice. It is not to get into a debate of whether Charter Schools are good or bad. I serve as a financial advisor for both Denton ISD and Lake Dallas ISD and I am speaking solely from the financial impact of those school districts.

School choice has had an impact on the annual income that is available to support school districts programs. We all talked about revenue and how it relates to quality education and they are directly correlated. Our job is to serve the community and to be able to provide a good educational system to allow people to be successful in the future and that is directly correlated to the quality of education that a school district can provide. They are the largest provider of education throughout the state of Texas.

School choice was created by the Texas Legislature back in 1995. From our perspective on the financial side, it is another unfunded state mandate because it takes revenue away from school districts, it doesn't change the fixed cost, and they have to spend a significant amount of time and resources to be able to prove the educational quality that they provide to the parents and the constituents within their communities.

The financial impact to the school districts on a statewide bases, in 2016/2017 was \$2.26 billion dollars. \$2.26 billion dollars of state funds that would have come to school districts was converted to school choice and charter schools.

Nationally, there are over 6,900 charter schools operating within 14 states, enrolling an estimated 3.1 million students. In the last 10 years, charter schools enrollment in the United States has increased by an estimated 1.9 million students or an increase of 158%.

In year 2016/2017, more than 300 new charter schools opened. The highest number of new charter schools were in Texas with 64 schools, California with 56 schools and Florida with 26 schools.

In 2013, the Texas Legislature approved Senate Bill 2 to limit the number of charters but this bill does not limit the student enrollment in charter schools.

Since inception, charter schools have received more than \$19.0 billion of State funds. The charter schools have access to the permanent school fund Bond guarantee and there are public schools that should have access to it. Our biggest concern here is school districts rely on that to be able to sell bonds at a lower interest rate and from that prospective they are able to lower the tax rate and so forth for tax payers.

Charles Stafford, Denton ISD - what happens if they go broke and default?

Bill Gumbert, BOK Financial Securities, Inc. - if they go broke and default or their charter was revoked for academic or financial reasons, the State of Texas Permanent School Fund makes the payment on those bonds.

Gayle Stinson, Lake Dallas ISD - and if that happens how does that affect us?

Bill Gumbert, BOK Financial Securities, Inc. - the reputation of the Permanent School Fund (PSF) Bond Guarantee Program will be damaged and the school districts will be required to pay higher interest rates on future PSF bond sales and the corpus of the PSF will decline to repay defaulted bonds thereby potentially reducing the funds available for both school districts and charter schools.

Senate Bill 2, passed in year 2013, requires mandatory revocation of a charter if it has failed to meet academic or financial accountability performance ratings for the three preceding school years. Since the implementation of Senate Bill 2, 29 charters have been closed. Charters may also voluntarily close a campus including "improvement required" campuses. The important component here that you need to understand is Lake Dallas ISD and Denton ISD cannot close.

School districts currently serve the needs of 5.4 million (95%) students. Charter schools serve approximately 280,000 (5%) students. The vast majority of school districts are required to serve grades K-12. Charter schools may select the grades they serve.

The Board of Trustee of a school district are elected by the community. Charter schools appoint the members of their governing board.

School districts are required to levy an annual tax rate on the taxable property values set by appraisal districts to generate a portion of their funding. Charters do not levy a tax and receive their funding directly from the State.

School districts are required to receive community approval to issue bonds. Charter schools may issue bonds to construct school facilities in any school district without community approval.

Wes Eversole, Lake Dallas ISD - do they all receive a Permanent School Fund Guarantee?

Bill Gumbert, BOK Financial Securities, Inc. - no, they don't all receive a PS, you have to have a BBB- Rate which is the lowest investment grade rating to be able to qualify and you have to meet certain other specifications in terms of academic ratings and so forth. Certain Charters have issued bonds that are payable from public funds and were rated below investment grade. These bonds are often referred to as "junk bonds"

School districts may not voluntarily close. Charter schools are subject to revocation, may voluntarily close a campus or reduce the grade levels served in a community.

Teachers in school districts are required to be certified. Charters may employ non-certified teachers and school districts are typically one of the largest employers in a community and the "quality of education" is a strong consideration for many current and future residents. As such, school districts are a vital economic driver in the success of a community.

When charters started it was to be able to ensure that kids that were in low performing schools have an opportunity and I don't think anyone around this table can debate that. We hear still that no kid deserves to be trapped because of their zip code in a failing public school. I would through out here based upon this information that Lake Dallas and Denton ISD are not failing.

Gayle Stinson, Lake Dallas ISD - we are not losing students to Charter schools however, we don't know the number of students that are not coming to us. We struggle every year, given the neighborhoods that are being built in Corinth specifically and giving the growth you should be able to project approximate population of students that would be coming to your district and then you budget based upon that. With the expansion of charter schools that we have no notification of is so hard for us to predict and could financially leave the public school district in a great bind. If you don't know how many of those kindergarteners are going to come to you or not. Very often at some point the students that are in that charter school leave that school and come back to us and they are welcome, we take all students and again we are left to guess those numbers and wonder how many teachers to hire and how many classrooms we need and how many buildings to build to accommodate those students. It makes long-term planning very difficult.

Jim Alexander, Denton ISD - we have an obligation to have those schools ready or built. Those parents that move into those houses expect a public school for their children. We have to go out and invest the money.

Gayle Stinson, Lake Dallas ISD - what people don't know about is in a Texas Public School District teachers operate under Chapter 21 contract for employment for that year. If a charter school pops up in your district and if we have 10 or 15 students that go off into that Charter school then we have an additional teaching salary and for us. That is a \$60,000 hit to our budget because we planned for those 10 or 15 students in advance. A charter school is not required to give a Chapter 21 contract to their employees, they can come and go. That is an additional burden on the public school district simply because there is not a required communication on the charter schools.

If a charter school fails and walks away from a building what is the ramification for that community? Who is footing the bill?

Bill Gumbert, BOK Financial Securities, Inc. - the State of Texas. I don't think the school district has to take it on. I will have to take a look at that. Realistically, that would be something that would likely happen. We are all about educating kids whether they are in charter schools or ISD's. This was meant to educate everyone on what the impact is to the school districts with the charter schools.

Gayle Stinson, Lake Dallas ISD - our take-a-way from all this is our local ISD's are committed to the partnerships with the City of Corinth, with our neighbors and our local community colleges and especially giving the conversations that we have had regarding vocational education and technical education. We all know that students have needs and as a local public school district we are committed to serving all students.

Mia Price - we are here to continue to provide the standards of excellence that we provide on a daily basis in our classrooms.

ADJOURN:

Mayor Heidemann adjourned the Workshop meeting at 7:10 P.M. Gayle Stinson adjourned the Lake Dallas Board of Trustees at 7:10 P.M. and Mia Price adjourned Denton ISD Board of Trustees at 7:10 P.M.

AYES: All

Meeting adjourned.

Approved by Council on the _____ day of _____, 2017.

Kimberly Pence, City Secretary
City of Corinth, Texas

City Council Regular and Workshop Session

Meeting Date: 01/04/2018
Title: Lake Sharon Drive Extension and Quail Run Elevated Storage Tank
Submitted For: Mike Brownlee, City Engineer **Submitted By:** Mike Brownlee, City Engineer
Finance Review: Yes **Legal Review:** N/A
City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Discuss and consider approval of a Professional Services Agreement with Birkhoff, Hendricks and Carter, L.L.P. for work associated with the City of Corinth's Lake Sharon Drive/Dobbs Road alignment (Lake Sharon Drive Extension) and Quail Run Elevated Tank in the amount of \$916,205.

AGENDA ITEM SUMMARY/BACKGROUND

The Lake Sharon Drive/Dobbs Road Alignment (Lake Sharon Drive Extension) and Quail Run Elevated Storage Tank project will complete a large portion of the planned infrastructure east of IH-35E. The proposed scope of the infrastructure improvements includes new transportation and utility infrastructure serving both short term needs and long term needs. The scope includes the completion of the Lake Sharon Roadway to the IH-35E frontage roads and improvements to the water infrastructure including a 1.0 MG EST and large diameter water lines to serve the EST. The proposed infrastructure will support increased demand for water and mobility for the Lake Sharon Roadway corridor and is designed to support the existing and future demands based on land use patterns identified in the City's Comprehensive Plan and the next planned expansion of IH-35E. The project elements are also reflected in the recently adopted 2016 Water and Wastewater Impact Fee Report and the 2016 Master Plan and will be eligible for Impact Fee reimbursement as the area develops.

The scope of work included in the contract has been divided into three pieces. Project "A" includes the Lake Sharon Drive/Dobbs Road alignment. Project "B" includes the new Quail Run Elevated Storage Tank (EST). Project "C" includes water infrastructure needed to support the operation of the new EST. The three pieces will be bid as separate construction contracts to capture the benefits of competitive bidding for the specific expertise and low bid for each type of construction: Project "A" - paving and drainage, Project "B" - elevated tank, and Project "C" - water utilities. Together, projects "A", "B" and "C" will function as a whole, providing infrastructure that takes a big step towards a seamless transition to current development needs and long term mobility needs for the region. A summary of each portion of the project is discussed below.

Project "A" scope includes abandoning the existing Dobbs Roadway, and rebuilding the permanent alignment of Lake Sharon Drive between the IH-35E frontage road and Quail Run Drive as shown on the City of Corinth's Thoroughfare Plan and providing any necessary utility relocations and improvements to the storm drainage system. This project would be designed with the ultimate goal of connecting the roads on either side of IH-35E, and completing the Corinth Parkway loop as shown in the city's adopted Thoroughfare Plan (see attached). Other benefits to the project includes accelerated economic development for the area, and initiating construction of Project "A" will lend considerable weight when the city begins discussions with funding partners about early completion of the bridge improvements separate from Phase II IH-35E construction. The total project cost of the Lake Sharon/Dobbs Road alignment project is estimated to be \$4.3M, not including land acquisition and the expense to relocate the existing billboard in the proposed right of way.

Project "B" consists of the Quail Run Elevated Tank and appurtenances. The City already has two 0.5 MG elevated storage tanks (EST) giving the city a total of 1.0 MG of elevated storage. The existing North Corinth EST is a composite tank with a welded steel bowl sitting on a concrete pedestal. The existing Meadowview EST is a welded steel tank. The 2016 Average Day water demand is expected to increase from the current 3.5 MGD to 4.33 MGD in

2026 and to 5.1 MGD at buildout based on the existing commercial water demand and projected land uses from the comprehensive plan. The city's current 1.0 MG of elevated storage is insufficient to meet the projected combination of both peak demand, and emergency storage. By increasing the city's elevated storage, the is able to continue robust growth and development as future water demands increase beyond current levels. The total project cost of the new EST is estimated to be \$4.6M including design and construction, but not including land acquisition costs, or water lines to support filling and draining the tank. The new tank is planned to be located on property currently owned by Co-Serv near Quail Run.

Project "C" includes new 12", 16" and 20" waterlines that are needed to support filling and draining the tank by hydraulically connecting the new EST to our existing water system. The scope of Project "C" includes 6,800 feet of 12" waterline and about 4,200 feet of 16" and 20" waterlines. These waterline improvements are collectively known as Project C and are estimated to cost about \$2.6M including design and construction, but not including land acquisition costs. An exhibit showing the location of the new elevated tank, roadway improvements and the various sized waterlines is included with the agenda background.

A summary of the costs for each piece of the project is shown below:

	Construction Costs	Basic Engineering	Special Services	Construction Testing	Bidding and Construction Phase	Total Cost
Project "A"	\$3,713,150	\$221,650	\$173,295	\$92,800	\$60,550	\$4,261,445
Project "B"	\$4,114,700	\$194,215	\$51,900	\$185,200	\$48,555	\$4,594,570
Project "C"	\$1,542,200	\$80,970	\$58,075	\$38,600	\$26,995	\$1,746,840
Total	\$9,370,050					\$10,602,855

RECOMMENDATION

Staff recommends approval of the Professional Services Agreement with Birkhoff, Hendricks and Carter, L.L.P. for work associated with the City of Corinth's Lake Sharon Drive/Dobbs Road alignment (Lake Sharon Drive Extension) and Quail Run Elevated Tank in the amount of \$916,205.

Attachments

- Professional Engineering Services Agreement
 - Water Wastewater Impact Fee Projects
 - Thoroughfare Plan
 - Location Map
-

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS

11910 Greenville Ave., Suite 600

Dallas, Texas 75243

Phone (214) 361-7900

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JOHN W. BIRKHOFF, P.E.
 GARY C. HENDRICKS, P.E.
 JOE R. CARTER, P.E.
 MATT HICKEY, P.E.
 ANDREW MATA, JR., P.E.
 JOSEPH T. GRAJEWSKI, III, P.E.
 DEREK B. CHANEY, P.E.
 CRAIG M. KERKHOFF, P.E.

November 21, 2017

Mr. Mike Brownlee, P.E., CFM
 City Engineer
 City of Corinth
 3300 Corinth Parkway
 Corinth, Texas 76208

Re: Lake Sharon Drive Extension and Quail Run Elevated Storage Tank
 Professional Engineering Services Agreement

Dear Mr. Brownlee:

As you requested, please find enclosed two (2) signed originals of our professional engineering services agreement for work associated with the City of Corinth's Lake Sharon Drive Extension and Quail Run Elevated Storage Tank. Generally this agreement is for services related to the preparation of construction plans, specifications, bidding documents and construction contract administration for:

- A. Lake Sharon Drive Extension
- B. Quail Run Elevated Storage Tank
- C. Water Distribution System Improvements

Based on our understanding of the project requirements, our opinion of probable project budget is summarized below:

	Lake Sharon Drive Extension (Project A)	Quail Run EST (Project B)	Water Distribution System Improvements (Project C)	Project A + B + C Total
Opinion of Probable Construction Cost	\$3,713,150	\$4,114,700	\$1,542,200	\$9,370,050
Basic Engineering and Additional Services	\$455,495	\$294,670	\$166,040	\$916,205
Quality Control, Material Testing & Inspection Services (by others)	\$92,800	\$185,200	\$38,600	\$316,600
Land Rights Acquisitions	TO BE DETERMINED BY OTHERS			
Total Project Budget:	\$4,261,445	\$4,594,570	\$1,746,840	\$10,602,855

Mr. Mike Brownlee, P.E., CFM
Lake Sharon Drive and Quail Run EST – Professional Services Agreement
November 21, 2017
Page 2 of 2

A copy of our itemized opinion of probable cost is enclosed for reference.

Thank you for the opportunity to submit this proposal. If this agreement meets with your approval, please sign and return one fully executed original to our office. We look forward to working with you and the City of Corinth on these important projects.

Sincerely,



Joseph T. Grajewski, P.E.

Gary C. Hendricks

Digitally signed by Gary C. Hendricks
DN: C=US, E=ghendricks@bhcllp.com,
O="Birkhoff, Hendricks & Carter, LLP",
CN=Gary C. Hendricks
Date: 2017.11.20 17:37:00-06'00'

Gary C. Hendricks, P.E., R.P.L.S.

Enclosure

Client: City of Corinth

Date: 20-Nov-17

Project: Lake Sharon Drive Extension
Tower Ridge Road to Quail Run Drive

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
	ROADWAY				
101	Prepare Right of Way Including Clearing & Grubbing	23.5	Sta.	\$ 5,000.00	\$ 117,500.00
102	Unclassified Excavation	8,700	C.Y.	\$ 30.00	\$ 261,000.00
103	Sawcut, Remove & Dispose of Existing Asphalt Pavement	3,400	S.Y.	\$ 10.00	\$ 34,000.00
104	Remove & Replace Barbed Wire Fence	1,600	L.F.	\$ 15.00	\$ 24,000.00
105	Remove & Replace Wood Fence	400	L.F.	\$ 50.00	\$ 20,000.00
106	Remove & Disposed of Existing CMP Culvert & Concrete Headwalls	1	L.S.	\$ 5,000.00	\$ 5,000.00
107	Furnish & Install 8-Inch Reinforced Concrete Pavement (3600 PSI) with 6-Inch Monolithic Curbs	12,100	S.Y.	\$ 65.00	\$ 786,500.00
108	Construct Stabilized Subgrade	15,300	S.Y.	\$ 7.00	\$ 107,100.00
109	Furnish Hydrated Lime (36 Lbs/SY)	275	Tons	\$ 170.00	\$ 46,750.00
110	Furnish & Install 6-Inch Reinforced Concrete Driveways	500	S.Y.	\$ 70.00	\$ 35,000.00
111	Furnish & Install 4-Inch Reinforced Concrete Sidewalks	2,365	S.Y.	\$ 60.00	\$ 141,900.00
112	Furnish & Install Pedestrian Ramps	12	Ea.	\$ 2,000.00	\$ 24,000.00
113	Furnish & Install Pavement Markings and Signage	1	L.S.	\$ 25,000.00	\$ 25,000.00
114	Furnish, Install & Maintain Solid Sod	11,500	S.Y.	\$ 8.00	\$ 92,000.00
115	Furnish, Install, Maintain & Remove Traffic Control Devices	12	Mo.	\$ 5,000.00	\$ 60,000.00
	Subtotal: Roadway				\$ 1,779,750.00

Client: City of Corinth

Date: 20-Nov-17

Project: Lake Sharon Drive Extension
Tower Ridge Road to Quail Run Drive

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
STORM DRAINAGE					
201	Furnish & Install 2-4'x3' Reinforced Concrete Box Culvert	80	L.F.	\$ 500.00	\$ 40,000.00
202	Furnish & Install Parallel Wingwall	2	Ea.	\$ 30,000.00	\$ 60,000.00
203	Furnish & Install Curb Inlets and Storm Sewers (20% of Paving Cost)	1	L.S.	\$ 355,950.00	\$ 355,950.00
204	Furnish Trench Safety Plan	1	L.S.	\$ 1,500.00	\$ 1,500.00
205	Install & Implement Trench Safety Plan	2,350	L.F.	\$ 1.50	\$ 3,525.00
206	Furnish Storm Water Pollution Prevention Plan (SW3P)	1	L.S.	\$ 3,000.00	\$ 3,000.00
207	Furnish, Install, Maintain & Remove Erosion Control Devices	1	L.S.	\$ 15,000.00	\$ 15,000.00
Subtotal: Storm Drainage					\$ 478,975.00
WATER & SEWER					
301	Furnish & Install 20-Inch Waterline By Open Cut	2,100	L.F.	\$ 150.00	\$ 315,000.00
302	Furnish & Install 20-Inch Waterline with 36-Inch Steel Encasement By Bore	500	L.F.	\$ 600.00	\$ 300,000.00
303	Furnish & Install 8-Inch Water Line	1,900	L.F.	\$ 50.00	\$ 95,000.00
304	Furnish & Install 4-Inch Water Line	1,900	L.F.	\$ 35.00	\$ 66,500.00
305	Furnish & Install 20-Inch Valve	1	Ea.	\$ 15,000.00	\$ 15,000.00
306	Furnish & Install 8-Inch Gate Valve	12	Ea.	\$ 1,500.00	\$ 18,000.00
307	Furnish & Install 4-Inch Gate Valve	12	Ea.	\$ 3,000.00	\$ 36,000.00
308	Furnish & Install Service Lateral Including Meter Box	6	Ea.	\$ 1,250.00	\$ 7,500.00
309	Furnish & Install Standard Fire Hydrant Assembly (including valve & 6-inch lead)	4	Ea.	\$ 6,500.00	\$ 26,000.00

Client: City of Corinth

Date: 20-Nov-17

Project: Lake Sharon Drive Extension
Tower Ridge Road to Quail Run Drive

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
310	Connect to 20-Inch Water Line	2	Ea.	\$ 10,000.00	\$ 20,000.00
311	Connect to Existing 8-Inch/4-Inch Water Line	4	Ea.	\$ 2,000.00	\$ 8,000.00
312	Furnish & Install 8-Inch SDR 35 PVC Sewer Line by Open Cut	450	L.F.	\$ 45.00	\$ 20,250.00
313	Furnish & Install 4-Foot Diameter Standard Manhole	4	Ea.	\$ 5,000.00	\$ 20,000.00
314	Furnish & Install Service Connection Including Service Saddle & Two Way Cleanout	6	Ea.	\$ 750.00	\$ 4,500.00
315	Connect to Existing 8-Inch Sanitary Sewer	3	L.S.	\$ 2,000.00	\$ 6,000.00
316	Remove & Dispose of Existing Sanitary Sewer Manhole	3	Ea.	\$ 1,500.00	\$ 4,500.00
317	Furnish Trench Safety Plan	1	L.S.	\$ 1,500.00	\$ 1,500.00
318	Install & Implement Trench Safety Plan	4,250	L.F.	\$ 1.50	\$ 6,375.00
	Subtotal: Water & Sewer				\$ 970,125.00
	Construction Subtotal: Paving, Drainage, Water & Sewer				\$ 3,228,850.00
	Contingencies and Miscellaneous Items	15%			\$ 484,300.00
	Construction Total:				\$ 3,713,150.00
	Surveying, Engineering, ROW Plats, Bidding & Construction Contract Administration:	12.3%			\$455,495
	Land Rights Acquisition & Business Relocation (ROW from 10 Parcels)			UNKNOWN	
	Billboard Site Relocation			UNKNOWN	
	Materials Testing & Quality Control	2.5%			\$ 92,800.00
	Project Total:				\$ 4,261,445.00
				USE:	\$ 4,262,000.00

Client: City of Corinth

Date: 13-Nov-17

Project: Quail Run Elevated Storage Tank
1 MG Composite EST

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
101	Mobilization, Site Preparation, Bonds & Insurance	1	L.S.	\$ 100,000.00	\$ 100,000.00
102	Construct 1.0-MG Composite Elevated Steel Water Storage Tank (Reinforced Concrete Column & 1.0-MG Welded Steel Tank) in accordance with AWWA Standard D107-10 including all Instrumentation, Controls, Tank Piping, Containment System for Exterior Blasting and Painting (including Painted Logo), Dehumidification System & appurtences	1	L.S.	\$2,601,000.00	\$ 2,601,000.00
103	Tank Mixing System	1	L.S.	\$ 150,000.00	\$ 150,000.00
104	Tank & Site Electrical Components	1	L.S.	\$ 150,000.00	\$ 150,000.00
105	Connect EST Instrumentation to SCADA System	1	L.S.	\$ 50,000.00	\$ 50,000.00
106	Tank Logos	3	Ea	\$ 5,000.00	\$ 15,000.00
107	20-Inch Waterline	500	L.F.	\$ 175.00	\$ 87,500.00
108	20-Inch Gate Valve	1	Ea	\$ 15,000.00	\$ 15,000.00
109	Connect to Existing Water Line	1	L.S.	\$ 10,000.00	\$ 10,000.00
110	8-Inch Thick Reinforced Concrete Driveway	250	S.Y.	\$ 80.00	\$ 20,000.00
111	4-Inch Thick Reinforced Concrete Sidewalks	150	S.Y.	\$ 30.00	\$ 4,500.00
112	Earthwork & Site Grading	1	L.S.	\$ 40,000.00	\$ 40,000.00
113	Drainage Infrastructure	1	L.S.	\$ 50,000.00	\$ 50,000.00
114	8-Foot Security Fence & Gate	1	L.S.	\$ 80,000.00	\$ 80,000.00
115	Site Security & Logo Lighting	1	L.S.	\$ 100,000.00	\$ 100,000.00
116	Site Turf & Landscape Features	1	L.S.	\$ 75,000.00	\$ 75,000.00
117	Site Irrigation System	1	L.S.	\$ 25,000.00	\$ 25,000.00

Client: City of Corinth

Date: 13-Nov-17

Project: Quail Run Elevated Storage Tank
1 MG Composite EST

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
118	Stormwater Pollution Prevention Plan & Erosion Control	1	L.S.	\$ 5,000.00	\$ 5,000.00
	Subtotal:				\$ 3,578,000.00
	Contingencies and Miscellaneous Items	15%			\$ 536,700.00
	Construction Total:				\$ 4,114,700.00
	Surveying, Engineering, Platting, Bidding & Construction Contract Administration:	7.2%			\$294,670
	Land Rights Acquisition (1 acre parcel from CoServ)			UNKNOWN	
	Materials Testing & Quality Control	2.5%			\$ 102,900.00
	Specialized Inspection Services	2.0%			\$ 82,300.00
	Project Total:				\$ 4,594,570.00
				USE:	\$ 4,595,000.00

Client: City of Corinth

Date: 20-Nov-17

Project: Quail Run EST Off-Site Waterlines
Water Distribution System Improvements

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
101	Mobilization, Bonds & Insurance	1	L.S.	\$ 50,000.00	\$ 50,000.00
102	Furnish & Install 20-Inch Waterline By Open Cut	900	L.F.	\$ 150.00	\$ 135,000.00
103	Furnish & Install 20-Inch Waterline with 36-Inch Steel Encasement By Bore	0	L.F.	\$ 600.00	\$ -
104	Furnish & Install 16-Inch Waterline	1,200	L.F.	\$ 120.00	\$ 144,000.00
105	Furnish & Install 16-Inch Waterline with 30-Inch Steel Encasement By Bore	100	L.F.	\$ 550.00	\$ 55,000.00
106	Furnish & Install 12-Inch Waterline By Open Cut	6,800	L.F.	\$ 100.00	\$ 680,000.00
107	Furnish & Install 12-Inch Waterline with 24-Inch Steel Encasement By Bore	150	L.F.	\$ 450.00	\$ 67,500.00
108	Furnish & Install 20-Inch Valve	1	Ea.	\$ 15,000.00	\$ 15,000.00
109	Furnish & Install 16-Inch Valve	1	Ea.	\$ 12,000.00	\$ 12,000.00
110	Furnish & Install 12-Inch Valve	6	Ea.	\$ 7,000.00	\$ 42,000.00
111	Furnish & Install Combination 2-Inch Air Release/Vacuum Valve & Assembly	1	Ea.	\$ 10,000.00	\$ 10,000.00
112	Furnish & Install Standard Fire Hydrant Assembly (including valve & 6-inch lead)	5	Ea.	\$ 6,500.00	\$ 32,500.00
113	Connect to 20-Inch/16-Inch Waterline	2	Ea.	\$ 10,000.00	\$ 20,000.00
114	Connect to 12-Inch Waterline	2	Ea.	\$ 5,000.00	\$ 10,000.00
115	Remove & Replace Concrete Pavement	100	S.Y.	\$ 80.00	\$ 8,000.00
116	Furnish, Install & Mainatin Hydromulch	11,100	S.Y.	\$ 2.00	\$ 22,200.00
117	Furnish, Install & Implement Trench Safety Plan	8,900	L.F.	\$ 2.00	\$ 17,800.00
118	Stormwater Pollution Prevention Plan & Erosion Control	1	L.S.	\$ 20,000.00	\$ 20,000.00
	Subtotal:				\$ 1,341,000.00

Client: City of Corinth

Date: 20-Nov-17

Project: Quail Run EST Off-Site Waterlines
Water Distribution System Improvements

By: JTG

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
	Contingencies and Miscellaneous Items	15%			\$ 201,200.00
	Construction Total:				\$ 1,542,200.00
	Surveying, Engineering, Easements, Bidding & Construction Contract Administration:	10.8%			\$166,040
	Land Rights Acquisition (8 Easements for 12-Inch WL)			UNKNOWN	
	Materials Testing & Quality Control	2.5%			\$ 38,600.00
	Project Total:				\$ 1,746,840.00
				USE:	\$ 1,747,000.00

PROFESSIONAL ENGINEERING SERVICES AGREEMENT

THIS AGREEMENT is made and entered into by and between the **City of Corinth**, hereinafter referred to as "City", and **Birkhoff, Hendricks & Carter, L.L.P.**, hereinafter referred to as "Engineer", to be effective from and after the date as provided herein.

WITNESSETH:

WHEREAS, the City desires to engage the services of the Engineer to complete engineering design and provide additional services for the *Lake Sharon Drive Extension and Quail Run Elevated Storage Tank* as shown on the project location map at the end of Exhibit 'A', hereinafter collectively referred to as the "Project"; and

WHEREAS, the Engineer desires to render such various general engineering services for the City under the terms and conditions provided herein.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That for and in consideration of the covenants contained herein, and for the mutual benefits to be obtained hereby, the parties hereto agree as follows:

I. Employment of the Engineer

The City hereby agrees to retain the Engineer to perform professional engineering services in connection with the Project; Engineer agrees to perform such services in accordance with the terms and condition of this Agreement.

II. Scope of Services

The parties agree that Engineer shall perform such services as expressly set forth and described in Exhibit "A", which is attached hereto and thereby made a part of this Agreement. The parties understand and agree that deviations or modifications, in the form of written changes may be authorized from time to time by the City. Engineer shall have no further obligations or responsibilities for the project except as agreed to in writing. Engineer's services and work product are intended for the sole use and benefit of the City and are non-intended to create any third party rights or benefits, or for any use by any other entity or person for any other purpose.

Engineer shall perform his or her professional engineering services with the professional skill and care ordinarily provided by competent engineers practicing in North Central Texas and under the same or similar circumstances and professional license. Professional services shall be performed as expeditiously as is prudent, considering the ordinary professional skill and care of a competent engineer.

III. Schedule of Work

The Engineer agrees to commence services immediately upon execution of this Agreement, and to proceed diligently with said service, except for delays beyond the reasonable control of Engineer, to completion.

IV. Compensation and Method of Payment

The parties agree that Engineer shall be compensated for all services provided pursuant to this Agreement in the amount and manner described and set forth in the Payment Schedule attached hereto as Exhibit "B" and thereby made a part of this Agreement. Engineer further agrees that it will prepare and present such monthly progress reports and itemized statements as are described in said Exhibit "B". City agrees to pay invoices upon receipt. Statement for services shall include a line for previous payments, contract amount, and amount due current invoice.

V. Information To Be Provided By The City

The City agrees to furnish, prior to commencement of work, all information requested by Engineer that is available to the City.

VI. Insurance

Engineer agrees to procure and maintain insurance in compliance with City requirements dated May 1, 2013 for the duration of the contract including Professional Liability Insurance (\$2,000,000), Worker's Compensation, General Liability and Automobile Insurance.

VII. Assignment and Subletting

The Engineer agrees that neither this Agreement nor the services to be performed hereunder will be assigned or sublet without the prior written consent of the City. The Engineer further agrees that the assignment or subletting of any portion or feature of the work or materials required in the performance of this Agreement shall not relieve the Engineer from its full obligations to the City as provided by this Agreement.

VIII. Contract Termination

The parties agree that the City or the Engineer shall have the right to terminate this Agreement without cause upon thirty (30) days written notice to the other. In the event of such termination without cause, Engineer shall deliver to the City all finished or unfinished documents, data, studies, surveys, drawings, maps, models, reports, photographs or other items prepared by Engineer in connection with this Agreement. Engineer shall be entitled to compensation for any and all services completed to the satisfaction of the City in accordance with the provisions of this Agreement prior to receipt of written notice.

IX. Engineer's Opinion of Cost

The parties recognize and agree that any and all opinions of cost prepared by Engineer in connection with the Project represent the best judgment of Engineer as a design professional familiar with the construction industry, but that the Engineer does not guarantee that bids solicited or received in connection with the Project will not vary from the opinion by the Engineer.

X. Construction

On projects that include construction, the City recognizes that the Engineer will not be in control of the Project site or responsible for construction means, methods, scheduling, sequencing, jobsite safety, safety programs, or compliance with the construction documents or directions from City or Building Officials. Construction contracts are between the City and the Construction Contractor. Engineer shall not be responsible for construction related damages, losses, costs, or claims; except only to the extent caused by Engineer's sole negligence.

XI. Ownership of Documents

Original drawings, specifications, opinions of cost and reports are the property of the City. The Engineer shall be allowed to keep a copy of documents sent to the City. Upon completion of the services or any earlier termination of this Agreement under Article VIII, Engineer will furnish the City with the drawings, specifications, opinions of cost and reports.

All additional deliverables shall be furnished, as an additional service, at any other time requested by the City when such deliverables are available in the Engineer's record keeping system.

XII. Indemnification

ENGINEER AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS THE CITY, IT'S EMPLOYEES AND AGENTS, FROM AND AGAINST ALL LIABILITY, CAUSES OF ACTION, CITATIONS, CLAIMS, COSTS, DAMAGES, DEMANDS, EXPENSES, FINES, JUDGEMENTS, LOSSES, PENALTIES OR SUITS, WHICH IN ANY WAY ARISE OUT OF, RELATE TO OR RESULT FROM ENGINEER'S INTENTIONAL WRONGFUL ACTS OR NEGLIGENT ACTS OR OMISSIONS.

XIII. Complete Contract

This Agreement, including the exhibits hereto numbered "A" through "B" constitutes the entire agreement by and between the parties regarding the subject matter hereof, and supersedes all prior or contemporaneous written or oral understanding. This agreement may only be amended, supplemented, modified or canceled by a duly executed written agreement.

XIV. Mailing of Notices

Unless instructed otherwise in writing, Engineer agrees that all notices or communications to the City permitted or required under this Agreement shall be addressed to the City at the following address:

Mr. Mike Brownlee, P.E., CFM
City Engineer
City of Corinth
3300 Corinth Parkway
Corinth, Texas 76208

The City agrees that all notices or communications to Engineer permitted or required under this Agreement shall be addressed to Engineer at the following address:

Joseph T. Grajewski, P.E.
Birkhoff, Hendricks & Carter, L.L.P.
11910 Greenville Ave., #600
Dallas, Texas 75243
Phone: (214) 361-7900

All notices or communications required to be given in writing by one party or the other shall be considered as having been given to the addressee on the date such notice or communication is posted by the sending party.

XV. Texas Board of Professional Land Surveying Contact Information

Recipients of professional land surveying services under this agreement may direct complaints regarding such services to the Texas Board of Professional Land Surveying, 12100 Park 35 Circle, Building A, Suite 156, MC 230, Austin, TX 78753, Phone (512) 239-5263, Fax (512) 239-5253.

XVI. Contract Amendments

This Agreement may be amended only by the mutual agreement of the parties expressed in writing.

XVII. Effective Date

This Agreement shall be effective from and after execution by both parties hereto, with originals in the hand of both parties.

WITNESS OUR HANDS AND SEALS on the date indicated below.

CITY OF CORINTH, TEXAS
A Texas Home-Rule Municipal Corporation

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
A Texas Limited Liability Partnership
Texas Board of Professional Engineers Firm No. 526
Texas Board of Professional Land Surveyors Firm No. 100318-00

By: _____

By:  _____

Date: _____

Date: 11/17/17 _____

ATTEST

ATTEST

By: _____

By:  _____

EXHIBIT “A”

ENGINEERING SERVICES

General Project Scope:

Project A: Prepare construction plans, specifications and bidding documents to extend Lake Sharon Drive from Tower Ridge Drive to Quail Run Drive. This connects Lake Sharon Drive to Corinth Parkway with a realignment of Dobbs Road and also includes 2,600 linear feet of 20-inch water line.

Project B: Prepare construction plans, specifications and bidding documents for the 1.0 million gallon Quail Run Elevated Storage Tank (EST).

Project C: Prepare construction plans, specifications and bidding documents for approximately 9,150 linear feet of 20-inch, 16-inch and 12-inch water lines necessary to support the proper operation of the Quail Run EST.

A project location map is attached hereto and made a part of this Exhibit “A”.

Part I: Final Design

- A. Separate plans and bidding documents will be prepared for Project A, Project B and Project C as described above
- B. Coordinate Texas811 to locate utility lines along the project.
- C. Create property base map based on property information obtained through the Central Appraisal District. Property base map will be best fit based on property monument located during field surveys.
- D. Prepare construction plan and profile sheets
- E. Prepare Standard & Special Details
- F. Prepare Cover Sheet, Location Map and Sheet Index
- G. Submittals to State Regulatory Agencies, as required
- H. Preparation of required Texas Department of Transportation permits, as required
- I. Coordination with Franchise Utility Companies
- J. Two (2) design review meetings for each project
- K. Prepare quantity take-off and prepare Opinion of Probable Construction Cost
- L. Preparation of Proposal and Bid Schedule, Contract Documents and Specifications

- M. Submit three (3) copies of the Preliminary Bidding document book and Preliminary Plans on 11-inch x 17-inch sheets for review by the City.
- N. Revise plans based on City comments and respond to each comment not incorporated in revised plans or bidding book.
- O. Submit three (3) sets of Final Specifications and Bidding Documents and Final Plans on 11-inch x 17-inch sheets.

Part II: Bidding

- A. Bids will be received separately for Project A, Project B and Project C as described above
- B. Assist the City staff in advertising for bids. This will include e-mailing “Notice to Contractors” to contractors experienced in this type of construction. City will have Notice published in local newspaper.
- C. Sell bidding documents to potential bidders and their suppliers and other parties.
- D. Provide bidding documents to City of Corinth
- E. Assist during opening of bids and provide bidding tally sheets.
- F. Provide bid tabulation to City and contractors who submitted bids.
- G. Obtain experience record and references from lowest bidder. Formulate opinion from information received and provide the City a summary of the opinion for their use in selection and award of construction contract.
- H. After award of contract, furnish ten sets of prints of the final plans, specifications and contract documents to the City for construction use by the City and Contractor.

Part III: Construction Contract Administration

- A. Construction Contract Administration will be provided separately for Project A, Project B and Project C as described above
- B. Attend a pre-construction conference, including preparing an agenda.
- C. Attend coordination meetings with contractor, quality control personnel, and City representatives to discuss strategy, problem areas, progress, and any required coordination.
- D. Review shop drawings and other submittal information, which the Contractor submits. This review is for the benefit of the City and covers only general conformance with information given by the Contract Documents. The contractor is to review and stamp their approval on submittals prior to submitting to the Engineer. Review by the Engineer does not relieve the Contractor of any responsibilities, safety measures or the necessity to construct a complete and workable facility in accordance with the Contract Documents.

- E. Provide written responses to requests for information or clarification to City or Contractor.
- F. Prepare and process routine change orders for these projects as they pertain to the original scope of work.
- G. Make periodic site visits during construction as the project requirements dictate
- H. Review monthly pay request from information obtained in the field.
- I. Accompany the City during their final inspection of the project.
- J. Recommend final acceptance of work based on information from the on-site representative.
- K. Prepare Record Drawings utilizing on-site representative and Contractor construction record information. Engineer will prepare one set of 22"x 34" reproducible record drawings on mylar and one set of electronic image files in Adobe Acrobat file format.

Part IV: Additional Services

- A. Design, Property and Construction Surveys (Project A, Project B and Project C)
- B. Assistance to the City of Corinth in their evaluation and final selection of the Quail Run Elevated Storage Tank site. This effort is expected to include site layouts, preliminary exhibits, and meetings with the City and/or property owners. (Project B)
- C. Assistance to the City of Corinth in securing driveway permits from TxDOT at IH-35E. This effort is expected to include preparation of the driveway permit form, submittals to TxDOT and meeting with the City and/or TxDOT. (Project A)
- D. Permit, submittal and/or review fees to TxDOT (Project A)
- E. Assistance to the City of Corinth in securing a permit from DART/DCTA to install a 12-inch waterline within DART right-of-way for approximately 3000 linear feet. This effort is expected to include meeting with the City and/or DART, preparation of a permit form and submittals to DART (Project C).
- F. Permit, submittal and/or review fees to DART/DCTA (Project C)
- G. Assistance to the City of Corinth in the relocation of an existing billboard displaced by Lake Sharon Drive. This effort is expected to include analysis of site options, opinions of cost and comparisons, exhibits, and meetings with the City and/or property owners. (Project A)
- H. Preparation of Plat and Field Note Descriptions for expected easement acquisition required for the Water Distribution System Improvements. Eight (8) easement descriptions are included for the purpose of establishing a budget for this phase of

work. The amount of easements required will increase if the proposed 12-inch waterline can not be installed within the DART/DCTA right-of-way. (Project C)

- I. Preparation of Plat and Field Note Descriptions for expected right-of-way acquisition required for Lake Sharon Drive. Ten (10) right-of-way descriptions are included for the purposed of establishing a budget for this phase of work. (Project A)
- J. Preparation of a Conveyance Plat and a Final Plat for the Quail Run Elevated Storage Tank (Project B)
- K. Plotting and Reproduction of plans, specifications and reports (Project A, Project B and Project C)
- L. Geotechnical Evaluations and Recommendations for Lake Sharon Drive (Project A) and Quail Run EST (Project B)
- M. Preliminary Jurisdictional Determination (Project A)
- N. Nationwide Permit 14 – Linear Transportation Project Preconstruction Notification (Project A)
- O. Prepare construction plans and specifications for roadway illumination. (Project A)
- P. Prepare Flood Study for Lynchburg Creek Tributary 2 shown as a Zone ‘A’ Floodplain on the FEMA Flood Insurance Rate Map. Flood Study shall include hydrologic and hydraulic analysis and preparation of a final report. This Flood Study does not include submittals to FEMA for a Conditional Letter or Map Revision (CLOMR) or a Letter of Map Revision (LOMR). (Project A)
- Q. Conduct post-construction surveys at the Lynchburg Creek Tributary 2 crossing and complete the necessary application forms for a Letter or Map Revision (LOMR). Provide two (2) complete sets of the LOMR application to the City to forward to FEMA for review and approval. The FEMA review fee is not included. Follow-up on the application by providing interpretation and technical assistance and minor revisions as required for two rounds of FEMA reviews. (Project A)

Part V: Exclusions

The intent of this scope of services is to include only the services specifically listed herein and none others. Services specifically excluded from this scope of services include, but are not necessarily limited to the following:

- A. Certification that work is in accordance with plans and specifications
- B. Environmental impact statements and assessments
- C. Environmental cleanup
- D. Fees for permits or advertising
- E. Floodplain reclamation plans
- F. Fiduciary Responsibility to the City
- G. Landscape architecture
- H. On-site safety precautions, programs and responsibility
- I. Phasing of Contractor's work
- J. Preparation of the Contractor's Storm Water Prevention Pollution Plan (SW3P)
- K. Providing an on site project representative
- L. Quality control and testing services during construction
- M. Revisions and/or change orders as a result of revisions after completion of original design (unless to correct error on plans)
- N. Services in connection with condemnation hearings
- O. Title searches
- P. Traffic engineering report or study
- Q. Trench safety designs

LOCATION MAP

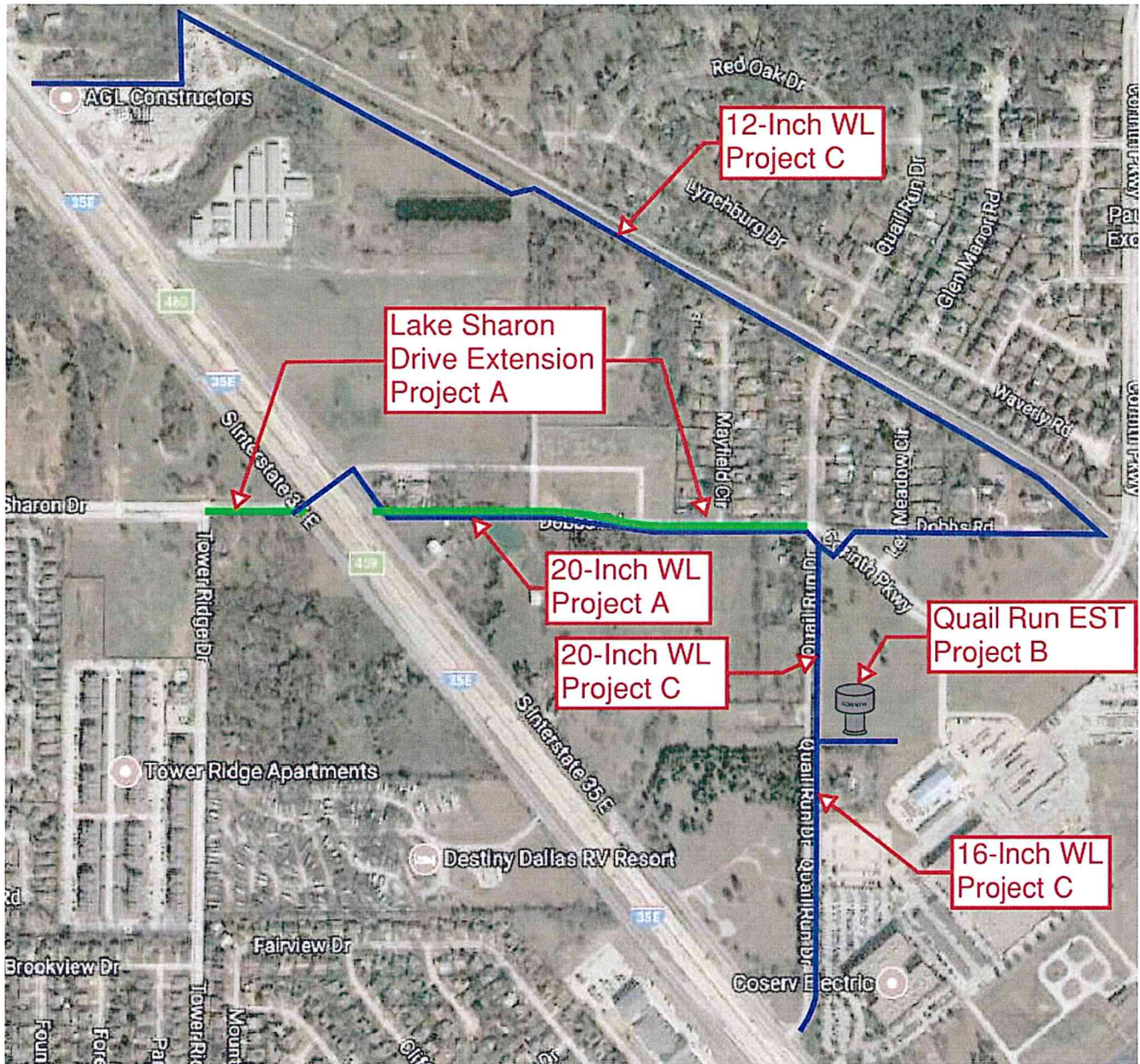


EXHIBIT "B"

PAYMENT SCHEDULE

Basic Services

Payment for the Basic Services described in Exhibit A Parts I, II and III shall be on a Lump Sum Basis in the following Amounts:

	Lake Sharon Drive Extension (Project A)	Quail Run EST (Project B)	Water Distribution System Improvements (Project C)	Project A + B + C Total
Part I: Final Design	\$211,650	\$182,075	\$80,970	\$474,695
Part II: Bidding	\$14,110	\$12,140	\$5,400	\$31,650
Part III: Construction	\$56,440	\$48,555	\$21,595	\$126,590
Total Basic Services Lump Sum Fee	\$282,200	\$242,770	\$107,965	\$632,935

See the following page for **Additional Services**

EXHIBIT “B”

PAYMENT SCHEDULE

Additional Services

Payment for the Additional Services described in Exhibit A Part IV shall be based on salary cost basis times a multiplier of 2.45, with expenses at actual invoice cost times 1.15. Field survey crew rate will be invoiced at \$155 per hour plus mileage. Automobile mileage for additional services will be invoiced at the IRS limit. We suggest you budget approximately \$283,270 in the following amounts for additional services on these projects:

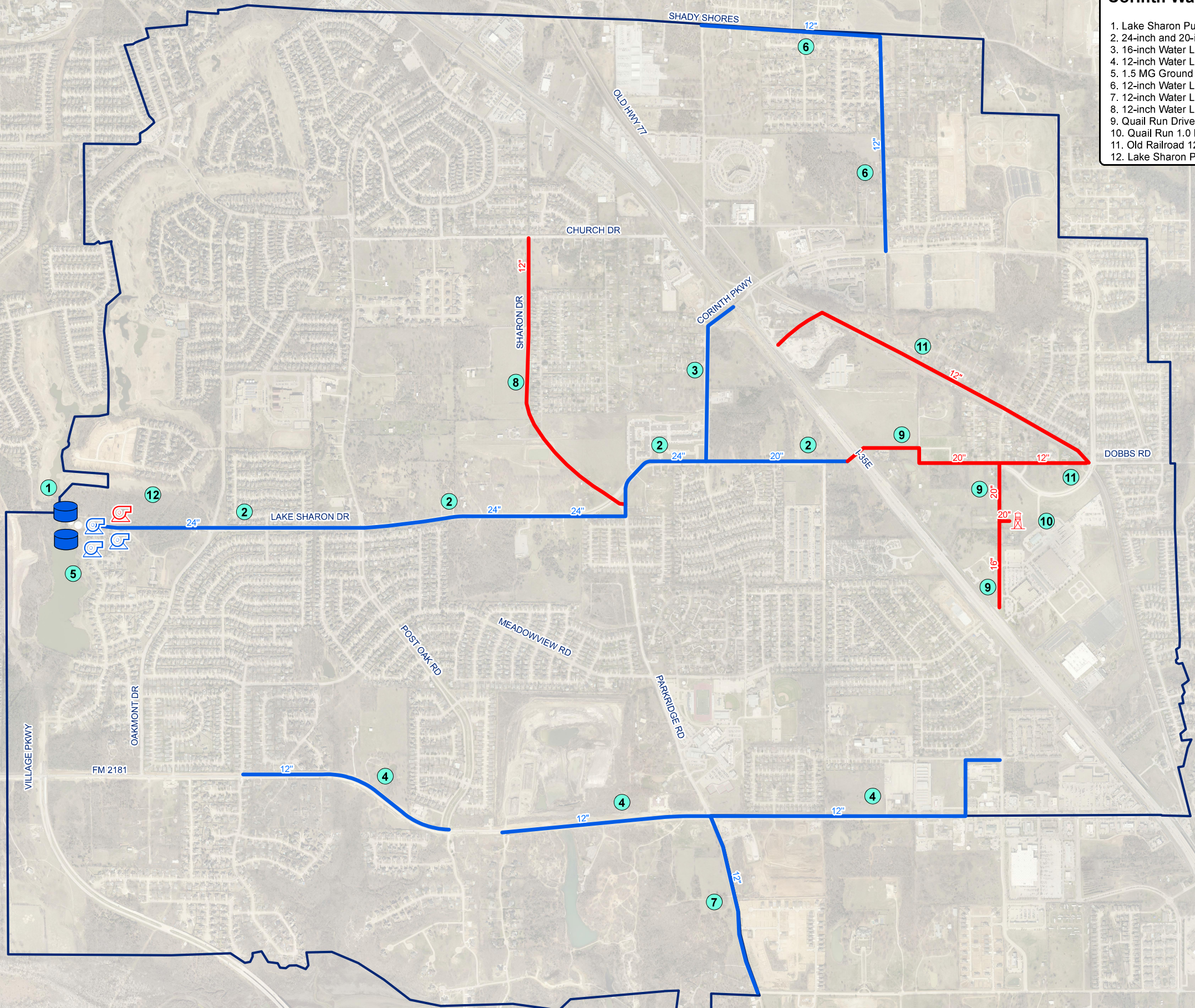
	Lake Sharon Drive Extension (Project A)	Quail Run EST (Project B)	Water Distribution System Improvements (Project C)	Project A + B + C Total
A. Surveying	\$15,360	\$6,400	\$19,200	\$40,960
B. CoServ Coordination		\$10,000		\$10,000
C. TxDOT Coordination	\$10,000			\$10,000
D. TxDOT Permit Fees	\$2,500			\$2,500
E. DART/DCTA Coordination			\$10,000	\$10,000
F. DART/DCTA Permit Fees			\$2,875	\$2,875
G. Billboard Relocation	\$10,000			\$10,000
H. Easement Documents			\$25,000	\$25,000
I. ROW Documents	\$40,000			\$40,000
J. Plat Preparation		\$20,000		\$20,000
K. Plotting & Reproduction	\$1,750	\$500	\$1,000	\$3,250
L. Geotechnical Reports	\$10,000	\$15,000		\$25,000
M. Preliminary Jurisdictional	\$11,435			\$11,435
N. Nationwide Permit 14	\$22,340			\$22,340
O. Illumination Plans	\$15,000			\$15,000
P. Flood Study	\$22,170			\$22,170
Q. Letter of Map Revision	\$12,740			\$12,740
Total Additional Services				
Not to Exceed Amounts	\$173,295	\$51,900	\$58,075	\$283,270

Payments are to be made monthly based on percent complete for the Basic Services and on the actual expenditures for the Additional Services.

The maximum overall fee established herein of **\$916,205** shall not be exceeded without written authorization from the City, based on an increased scope of services.

Corinth Water Impact Fee CIP Project List

1. Lake Sharon Pump Station and 3 MG Ground Storage Tank
2. 24-inch and 20-inch Water Line Along Lake Sharon Drive
3. 16-inch Water Line Along Corinth Parkway
4. 12-inch Water Lines Along FM 2181
5. 1.5 MG Ground Storage Tank at Lake Sharon PS
6. 12-inch Water Line Along Shady Rest Lane and Shade Shores Road
7. 12-inch Water Line Along Parkridge Drive, South of FM 2181
8. 12-inch Water Line Along Sharon Drive
9. Quail Run Drive/Dobbs Road 16-inch and 20-inch Water Lines
10. Quail Run 1.0 MG Elevated Storage Tank
11. Old Railroad 12-inch Water Line
12. Lake Sharon Pump Station Expansion Phase 1



Legend












- Existing Ground Tank
- Proposed Ground Tank
- Proposed Elevated Tank
- Existing Pump
- Proposed Pump
- Existing Water Main
- Proposed Water Main
- Corinth City Limits

2016 Impact Fee Update
Water CIP
Figure 1.2

0 400 800 1,600 Feet

December 2016

Thoroughfare Plan

-  Multi-Modal Transit Center
-  Freeway / Expressway
-  Major Arterial
-  Major Arterial (Proposed)
-  Minor Arterial
-  Collector
-  Collector (Proposed)
-  Future DCTA Rail Line
-  Under Pass
-  Greenway Corridor
-  Bicycle Corridor

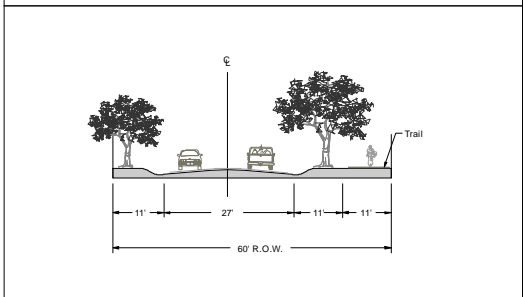
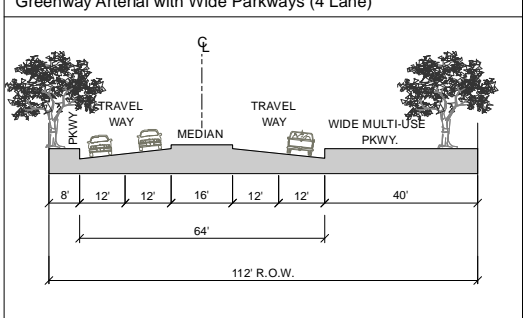
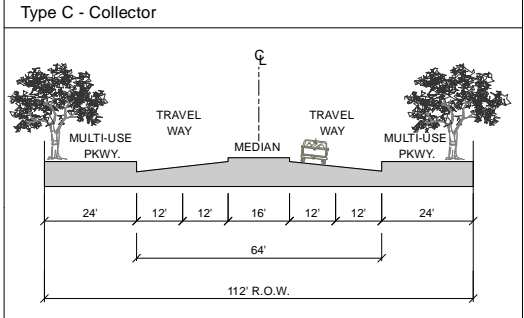
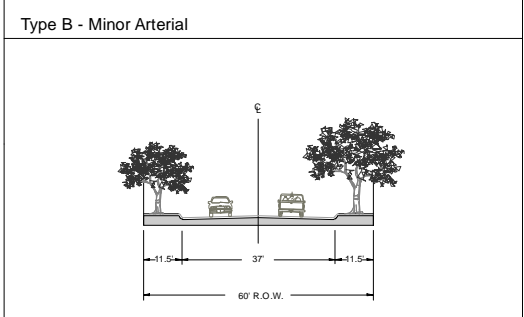
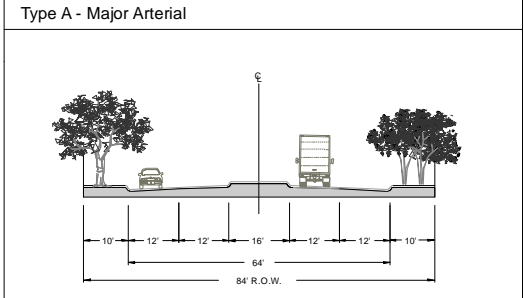
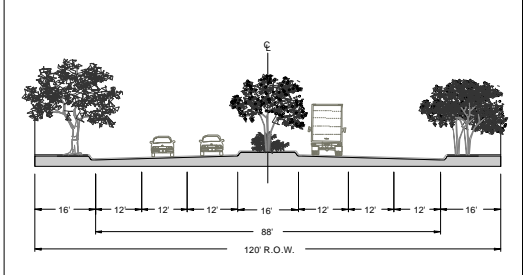
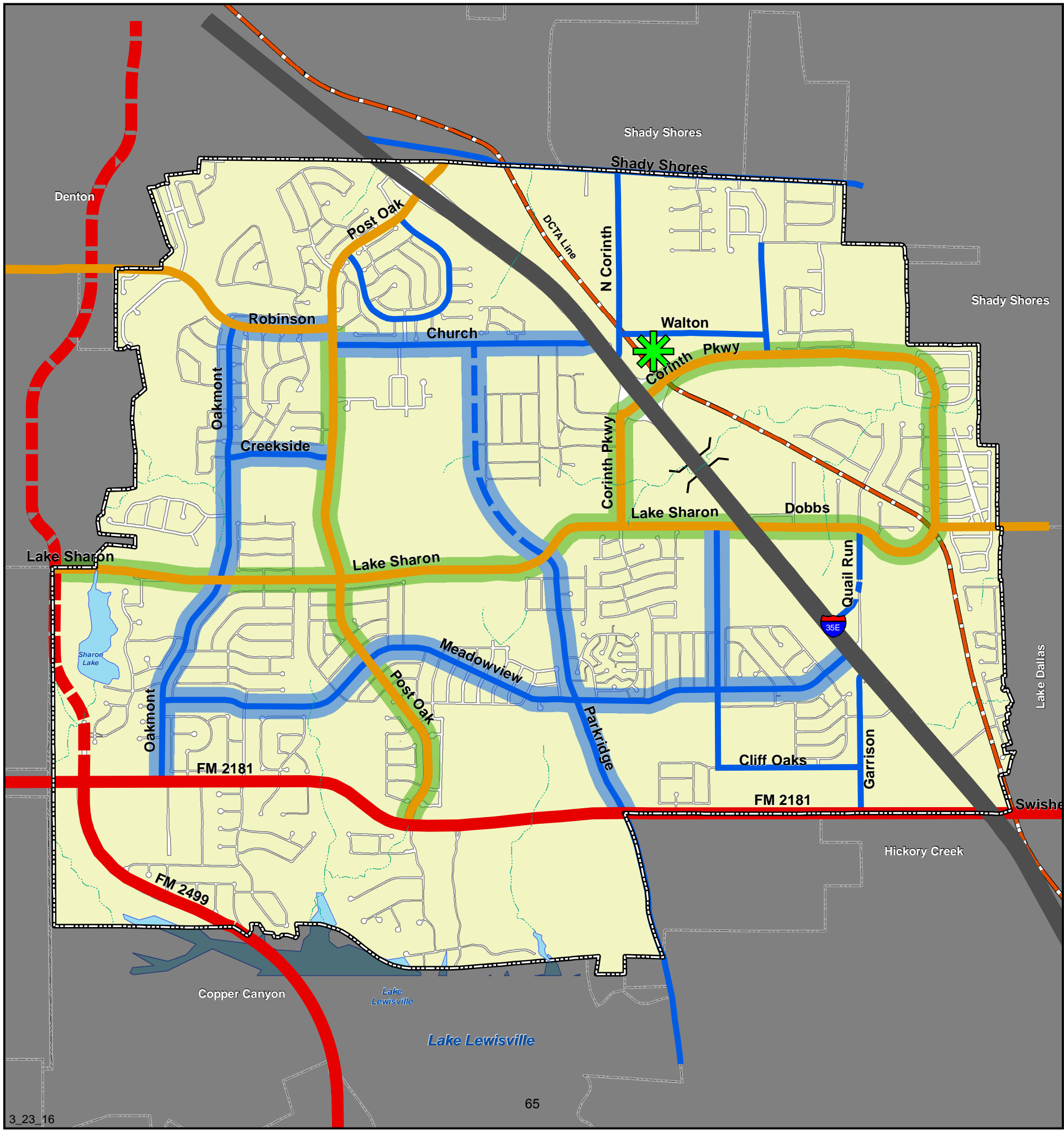
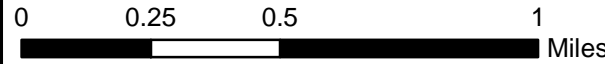
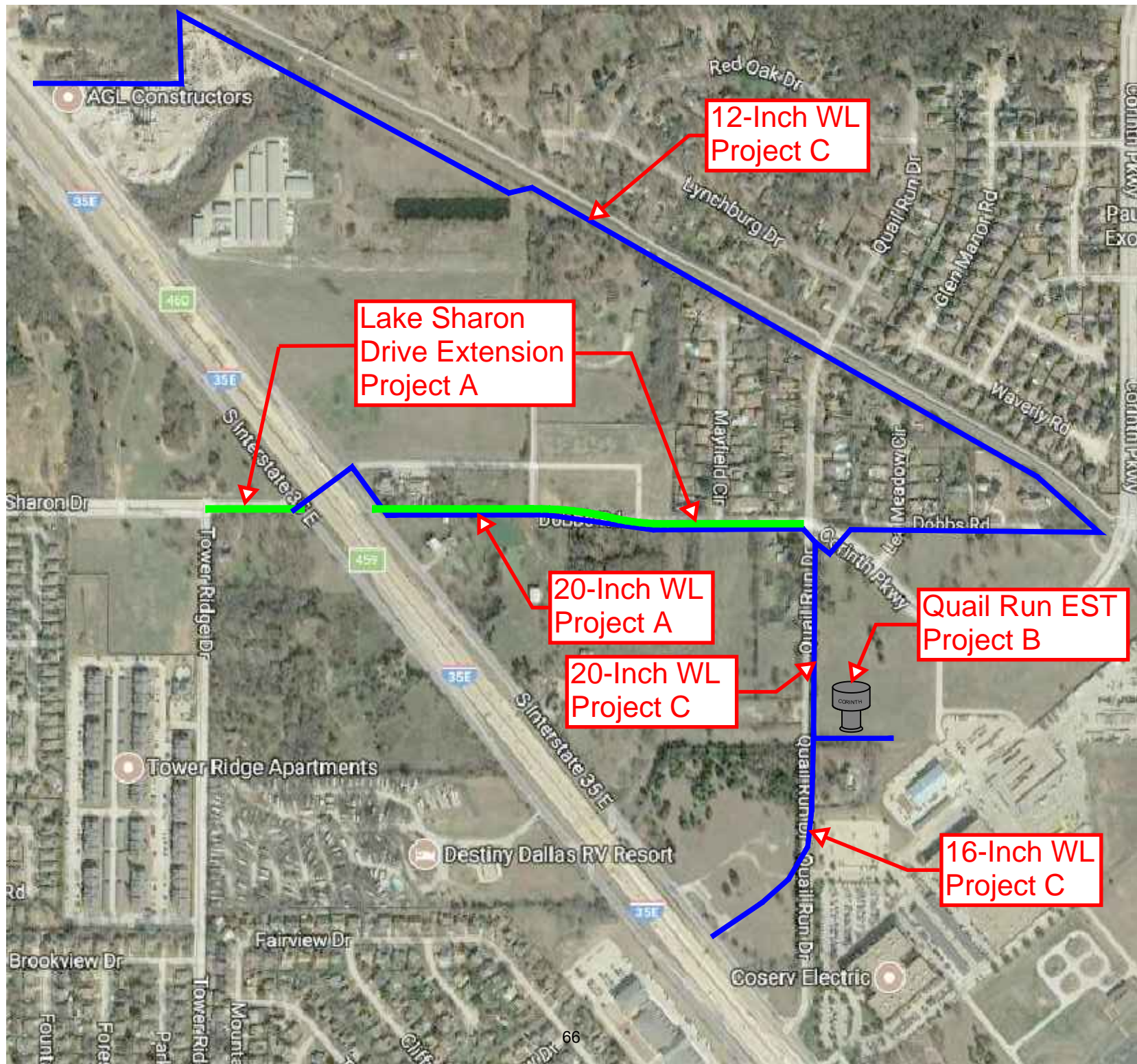


Plate 3-1





12-Inch WL Project C

Lake Sharon Drive Extension Project A

20-Inch WL Project A

20-Inch WL Project C

Quail Run EST Project B

16-Inch WL Project C

City Council Regular and Workshop Session

Meeting Date: 01/04/2018

Title: IH35E Frontage Road Speed Limit

Submitted For: Mike Brownlee, City Engineer

Submitted By: Mike Brownlee, City Engineer

City Manager Review: Approval: Bob Hart, City Manager

AGENDA ITEM

Consider and act on amending the Code of Ordinances of the City of Corinth, Texas by amending Chapter 70, Traffic Rules, by modifications to the maximum speed limits shown in Section 70.1, Speed Limits, Paragraph (c), Table of Maximum Speeds to set a maximum speed limit of 50 mph for the IH-35E frontage roads and 65 mph on the main lane of IH-35E inside Corinth.

AGENDA ITEM SUMMARY/BACKGROUND

The attached strip map show the results of a speed study conducted by TxDOT for the IH-35E Frontage Roads. The limits of the speed survey study went from IH 635 to US 380. The study recommends a speed limit of 50 mph on the frontage roads and 65 mph on the main lanes of IH-35E inside the City of Corinth.

According to the study the 85th percentile speed was 50 mph for the frontage roads. The speed zone study was conducted after construction of Phase I was complete in Corinth and the resulting speeds are intended to reflect post-construction driver behavior. In addition to the proposed changes to the frontage road speed limits, TxDOT has also performed a study on the maximum speed limit for the IH-35E main lanes. The preliminary results indicate 65 mph is the 85th percentile.

Prior to setting the new speed limits, TxDOT is required to obtain a Minute Order from the Texas Transportation Commission to implement these speeds which will require concurrences from each city involved. By amending the ordinance, TxDOT is able to proceed with presenting the proposed changes to the Commission.

RECOMMENDATION

Staff recommends Amending the Code of Ordinances of the City of Corinth, Texas by amending Chapter 70, Traffic Rules, by modifications to the maximum speed limits shown in Section 70.1, Speed Limits, Paragraph (c), Table of Maximum Speeds to set a maximum speed limit of 50 mph for the IH-35E frontage roads and 65 mph on hte main lanes of IH-35E inside Corinth.

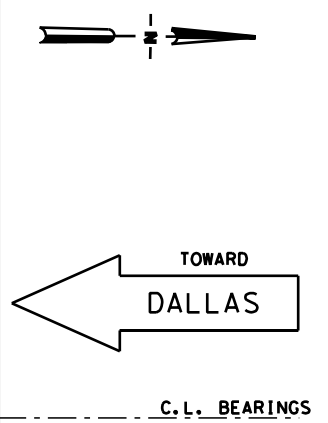
Attachments

- IH35E Speed Study Frontage Roads
 - Amended Speed Study Ordinance
 - Speed Study
-

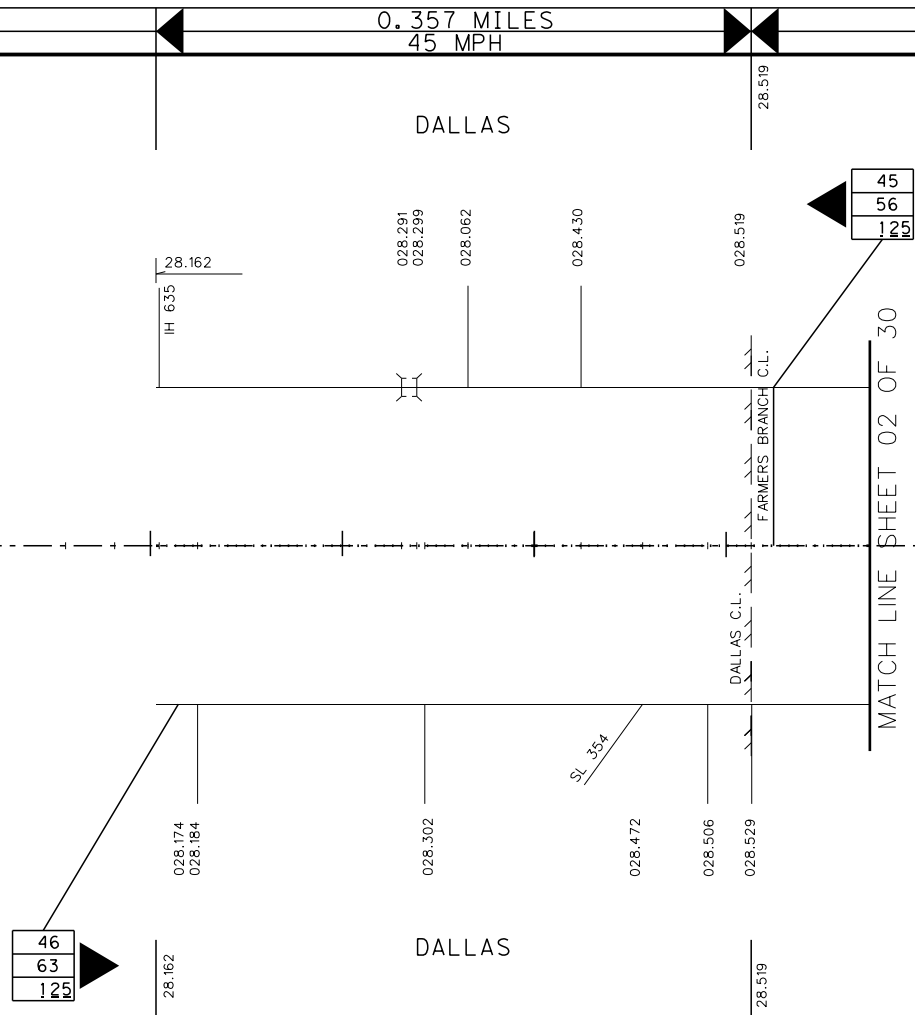
IH 35E FRONTAGE ROADS

DEVELOPMENT	
RES. SIGHT DISTANCE	N. A.
BALL BANK OR ADVISORY SPEED	N. A.
CURVES OVER 2°	N. A.
GRADES OVER 3%	N. A.
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N. A.
ZONE LENGTHS (MILES)	0.357 MILES
ZONE SPEEDS (M.P.H.)	45 MPH

URBAN DISTRICT



C. L. BEARINGS



ZONE SPEEDS (M.P.H.)	45 MPH
ZONE LENGTHS (MILES)	0.357 MILES
ACCIDENTS	N. A.
R.O.W. AND RDBD. WIDTH	N. A.
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	N. A.
CURVES OVER 2°	N. A.
BALL BANK OR ADVISORY SPEED	N. A.
RES. SIGHT DISTANCE	N. A.

URBAN DISTRICT

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO. :	DATE / /
HIGHWAY: IH 35E FRONTAGE ROADS	CITY: VARIOUS	REPLACES :	DATE / /
DATE OF STUDY 8-15-17 & 8-16-17	SCALE 1" = 0.1 MILES	REPLACED BY :	DATE / /
		CANCELLED BY :	DATE / /

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

AECOM
9400 Armbroglen Boulevard
Austin, Texas 78729
512.454.4797
TSP# REGISTRATION NO. 3162

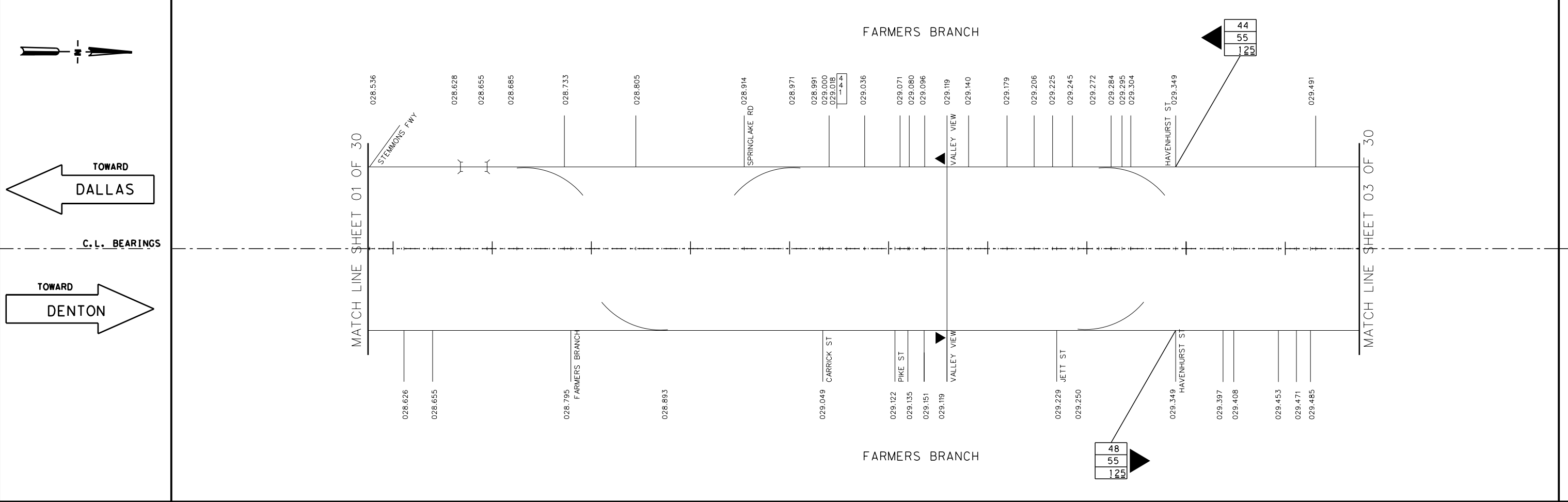
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESTION TEAM	FED. NO. / DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE / DIST. NO.	COUNTY	01
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E FRONTAGE ROADS

DEVELOPMENT	URBAN DISTRICT	◆ CHURCH ◆	URBAN DISTRICT
RES. SIGHT DISTANCE	N. A.		
BALL BANK OR ADVISORY SPEED	N. A.		
CURVES OVER 2°	N. A.		
GRADES OVER 3%	N. A.		
SURFACE WIDTH AND TYPE	2 LANES		
R.O.W. AND RDBD. WIDTH	1.741 MILES		
ACCIDENTS	45 MPH		
ZONE LENGTHS (MILES)			
ZONE SPEEDS (M.P.H.)			



ZONE SPEEDS (M.P.H.)	45 MPH
ZONE LENGTHS (MILES)	1.741 MILES
ACCIDENTS	N. A.
R.O.W. AND RDBD. WIDTH	N. A.
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	N. A.
CURVES OVER 2°	N. A.
BALL BANK OR ADVISORY SPEED	N. A.
RES. SIGHT DISTANCE	N. A.
DEVELOPMENT	URBAN DISTRICT
	◆ ICE ◆ SKATING RINK ◆ SCHOOL ◆
	URBAN DISTRICT

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO. :	DATE / /
HIGHWAY: IH 35E FRONTAGE ROADS	CITY: VARIOUS	REPLACES :	DATE / /
DATE OF STUDY 8-15-17 & 8-16-17	SCALE 1" = 0.1 MILES	REPLACED BY :	DATE / /
		CANCELLED BY :	DATE / /

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS 0 + 00	-	()		BEGINS +	-	()	
ENDS 0 + 00	-	()		ENDS +	-	()	

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

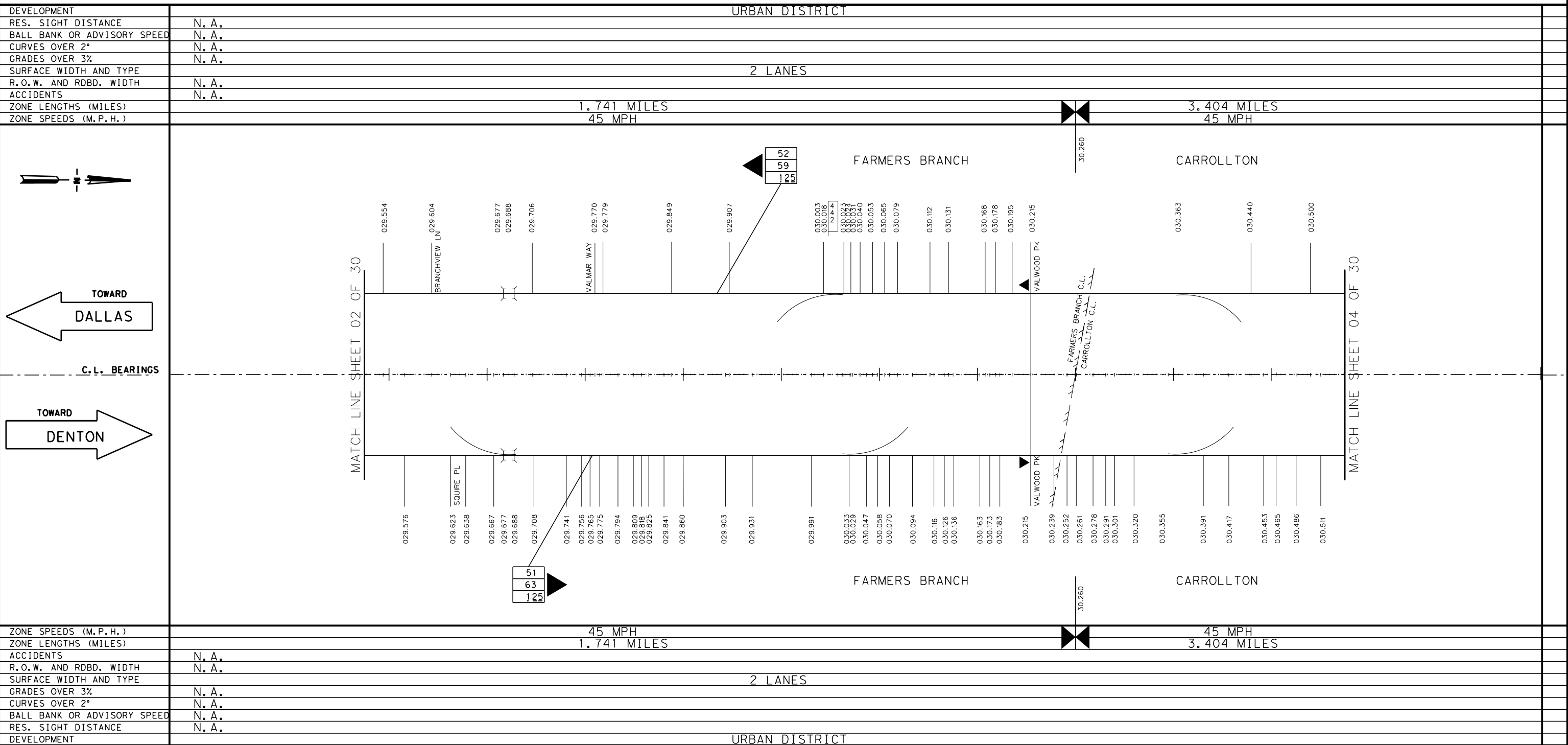
AECOM
9400 Armburg Boulevard
Austin, Texas 78729
512.454.4797
TSP# REGISTRATION NO. 3162

Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESTION TEAM	FED. NO. / DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE / DIST. NO.	COUNTY	02
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E FRONTAGE ROADS



DEVELOPMENT	URBAN DISTRICT		
RES. SIGHT DISTANCE	N. A.		
BALL BANK OR ADVISORY SPEED	N. A.		
CURVES OVER 2°	N. A.		
GRADES OVER 3%	N. A.		
SURFACE WIDTH AND TYPE	2 LANES		
R.O.W. AND RDBD. WIDTH	N. A.		
ACCIDENTS	N. A.		
ZONE LENGTHS (MILES)	1.741 MILES	3.404 MILES	
ZONE SPEEDS (M.P.H.)	45 MPH	45 MPH	

DEVELOPMENT	URBAN DISTRICT		
RES. SIGHT DISTANCE	N. A.		
BALL BANK OR ADVISORY SPEED	N. A.		
CURVES OVER 2°	N. A.		
GRADES OVER 3%	N. A.		
SURFACE WIDTH AND TYPE	2 LANES		
R.O.W. AND RDBD. WIDTH	N. A.		
ACCIDENTS	N. A.		
ZONE LENGTHS (MILES)	1.741 MILES	3.404 MILES	
ZONE SPEEDS (M.P.H.)	45 MPH	45 MPH	

DISTRICT:	DALLAS	COUNTY:	DALLAS/DENTON
HIGHWAY:	IH 35E FRONTAGE ROADS CITY: VARIOUS		
DATE OF STUDY:	8-15-17 & 8-16-17 SCALE 1" = 0.1 MILES		

MINUTE NO. :	_____	DATE	___/___/___
REPLACES :	_____	DATE	___/___/___
REPLACED BY :	_____	DATE	___/___/___
CANCELLED BY :	_____	DATE	___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

AECOM
9400 Armbroglen Boulevard
Austin, Texas 78729
512.454.4797
TSP# REGISTRATION NO. 3162

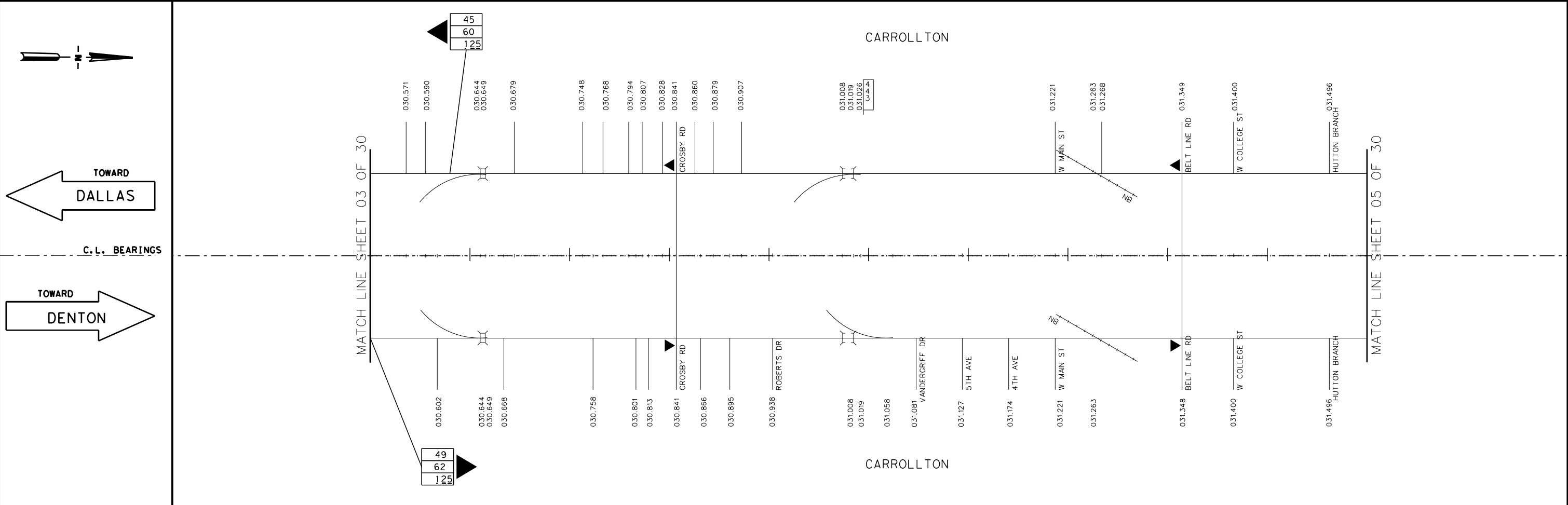
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESTION TEAM	FED. NO. / DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE / DIST. NO.	COUNTY	03
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E FRONTAGE ROADS

DEVELOPMENT	URBAN DISTRICT
RES. SIGHT DISTANCE	N. A.
BALL BANK OR ADVISORY SPEED	N. A.
CURVES OVER 2°	N. A.
GRADES OVER 3%	N. A.
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	3.404 MILES
ZONE SPEEDS (M.P.H.)	45 MPH



ZONE SPEEDS (M.P.H.)	45 MPH
ZONE LENGTHS (MILES)	3.404 MILES
ACCIDENTS	N. A.
R.O.W. AND RDBD. WIDTH	N. A.
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	N. A.
CURVES OVER 2°	N. A.
BALL BANK OR ADVISORY SPEED	N. A.
RES. SIGHT DISTANCE	N. A.
DEVELOPMENT	URBAN DISTRICT

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-15-17 & 8-16-17 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS 0 + 00	-	()		BEGINS +	-	()	
MP				MP			
ENDS 0 + 00	-	()		ENDS +	-	()	
MP				MP			

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
 TO: US 380/E UNIVERSITY DR

AECOM
 9400 Armburgen Boulevard
 Austin, Texas 78729
 512.454.4797
 TSP# REGISTRATION NO. 3162

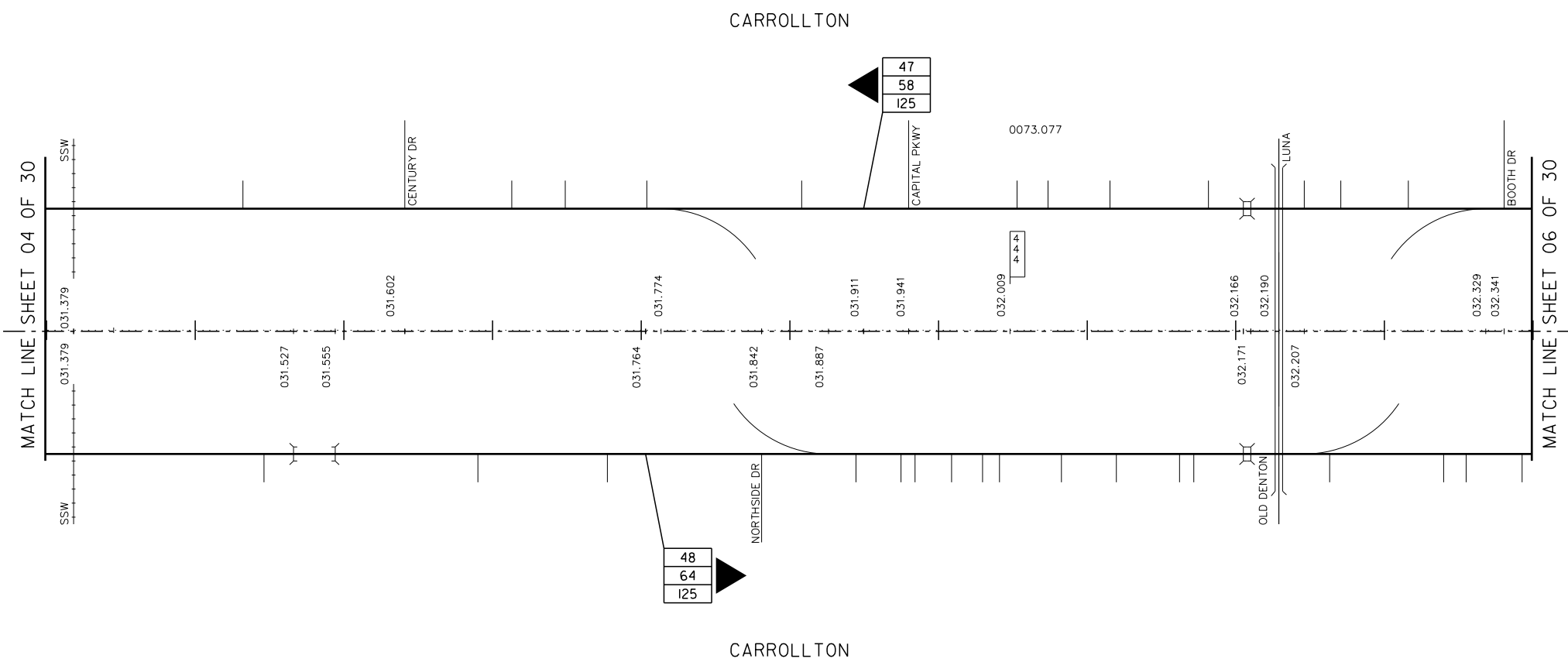
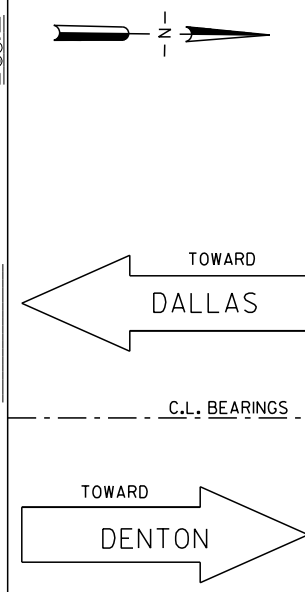
Texas Department of Transportation

SPEED STUDY
 DALLAS/DENTON COUNTY
 IH 35E/35 FRONTAGE ROADS

DESTION TEAM	FED. NO. / DTY. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	04
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	3.404 MILES
ZONE SPEEDS (M.P.H.)	45 MPH



ZONE SPEEDS (M.P.H.)	45 MPH
ZONE LENGTHS (MILES)	3.404 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL/RESIDENTIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE			SECTION TWO				
STA. OR M.P.	CONT. AND SECT.	PROJECT	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	
BEGINS	0 + 00	-	()	BEGINS	+	-	()
	MP				MP		
ENDS	0 + 00	-	()	ENDS	+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN


SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



GUNDA CORPORATION
Engineers, Planners & Managers
6161 Savoy, Suite 550
Houston, Texas 77036
713.561.3530 • www.gundacorp.com
TBPE Registration Number: F-3531



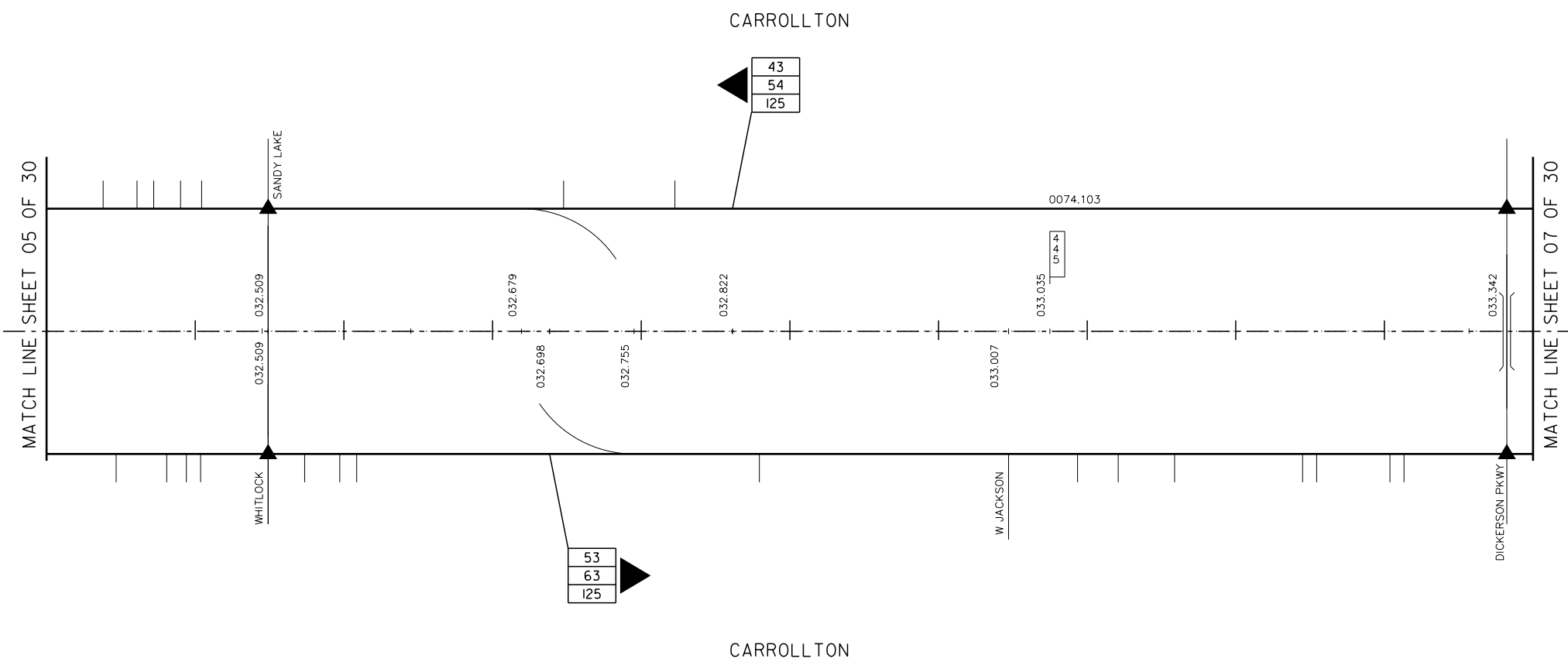
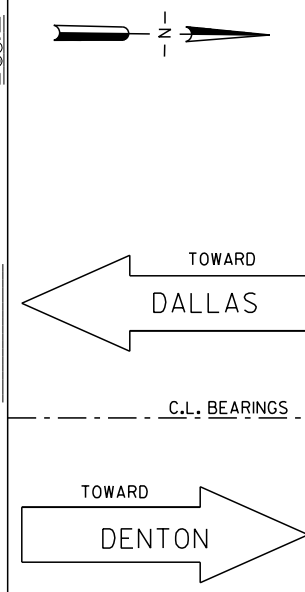
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			05
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL	UNDEVELOPED
RES. SIGHT DISTANCE		
BALL BANK OR ADVISORY SPEED		
CURVES OVER 2"		
GRADES OVER 3%		
SURFACE WIDTH AND TYPE	2 LANES	
R.O.W. AND RDBD. WIDTH		
ACCIDENTS		
ZONE LENGTHS (MILES)	3.404 MILES	
ZONE SPEEDS (M.P.H.)	45 MPH	



ZONE SPEEDS (M.P.H.)	45 MPH
ZONE LENGTHS (MILES)	3.404 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2"	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	-	()	BEGINS	+	-	()
	MP				MP		
ENDS	0 + 00	-	()	ENDS	+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

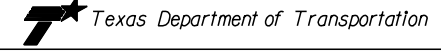
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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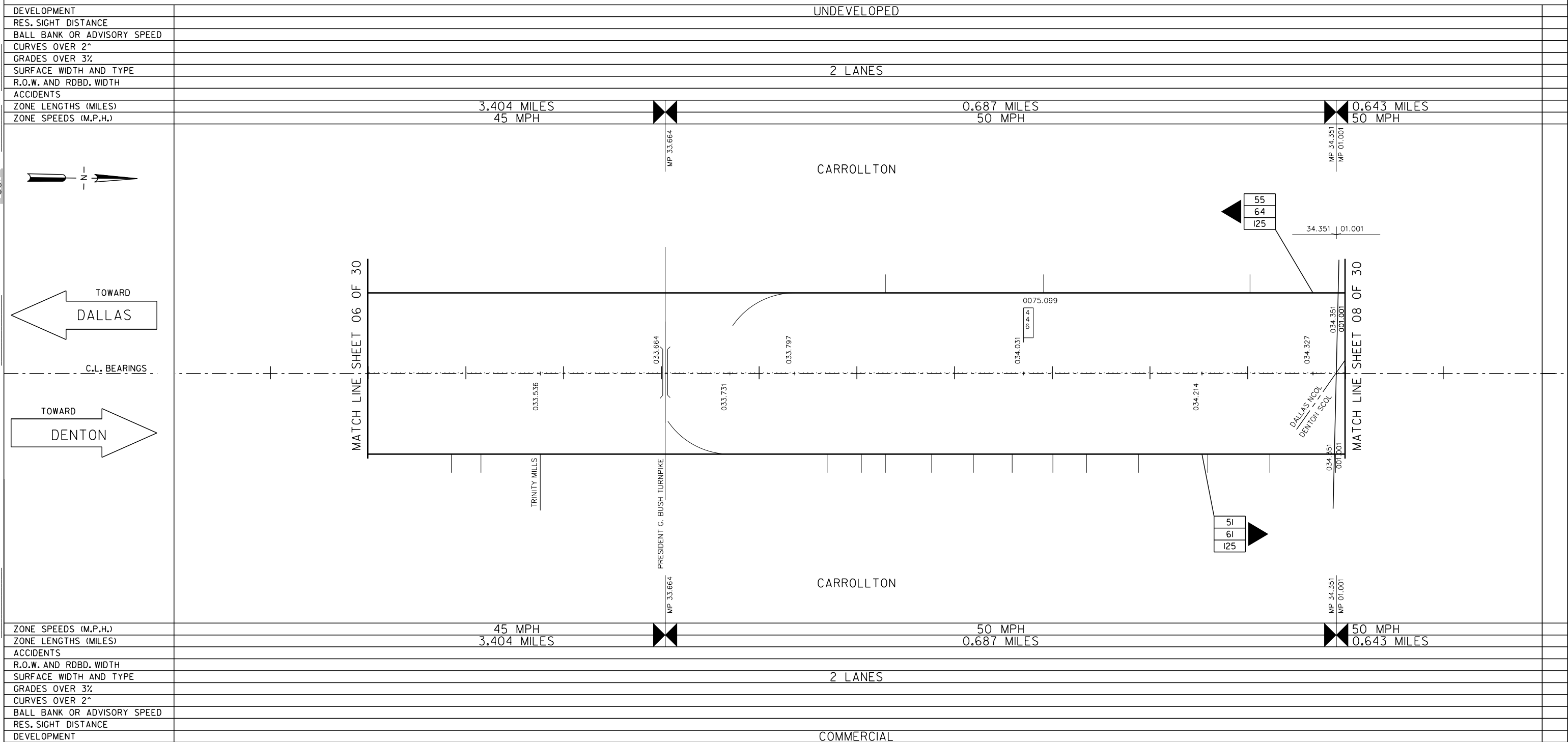


Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			06
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS



DEVELOPMENT	UNDEVELOPED		
RES. SIGHT DISTANCE			
BALL BANK OR ADVISORY SPEED			
CURVES OVER 2°			
GRADES OVER 3%			
SURFACE WIDTH AND TYPE	2 LANES		
R.O.W. AND RDBD. WIDTH			
ACCIDENTS			
ZONE LENGTHS (MILES)	3.404 MILES	0.687 MILES	0.643 MILES
ZONE SPEEDS (M.P.H.)	45 MPH	50 MPH	50 MPH
DEVELOPMENT	COMMERCIAL		
RES. SIGHT DISTANCE			
BALL BANK OR ADVISORY SPEED			
CURVES OVER 2°			
GRADES OVER 3%			
ACCIDENTS			
R.O.W. AND RDBD. WIDTH			
SURFACE WIDTH AND TYPE	2 LANES		
ZONE LENGTHS (MILES)	3.404 MILES	0.687 MILES	0.643 MILES
ZONE SPEEDS (M.P.H.)	45 MPH	50 MPH	50 MPH

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS 0 + 00	-	()		BEGINS +	-	()	
ENDS 0 + 00	-	()		ENDS +	-	()	

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

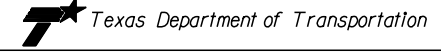
SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO US 380 / UNIVERSITY DR



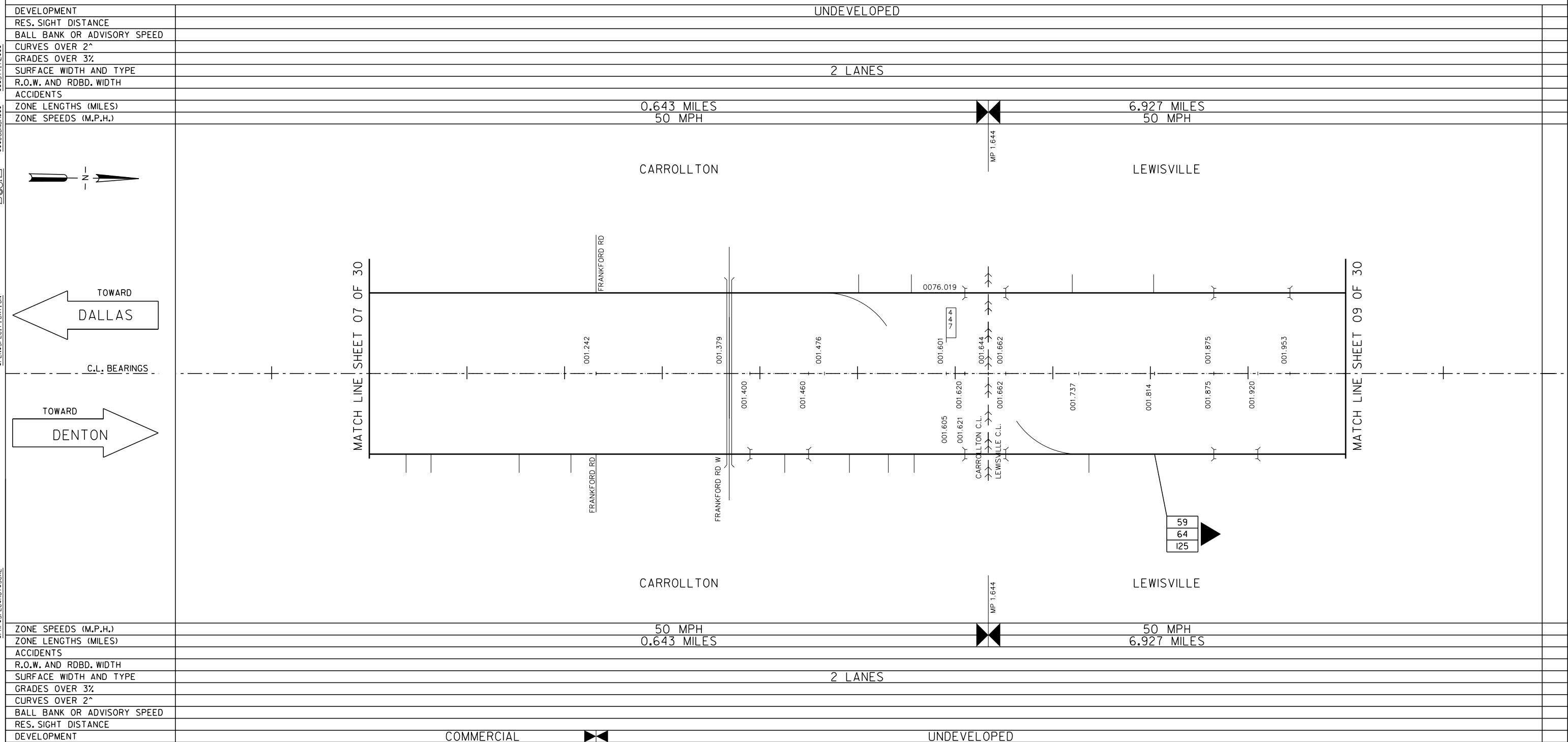
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SPEED STUDY
 DALLAS/DENTON COUNTY
 IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			07
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS



DEVELOPMENT	COMMERCIAL	UNDEVELOPED
DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:
		CANCELLED BY:


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
MP			MP			
ENDS 0 + 00	-	()	ENDS +	-	()	
MP			MP			

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

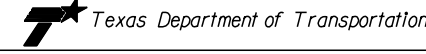
SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO US 380 / UNIVERSITY DR



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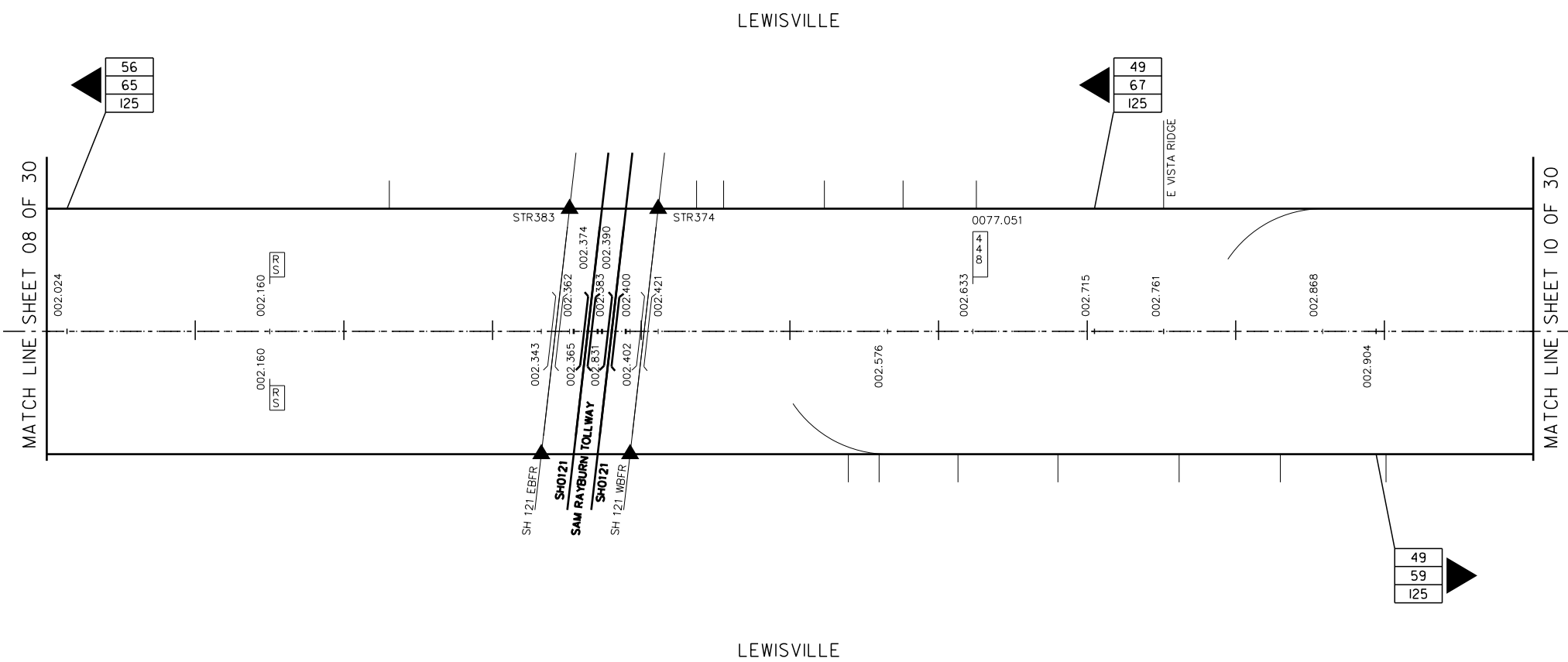
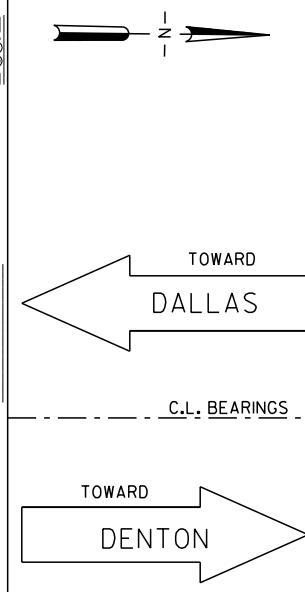
Texas Department of Transportation

SPEED STUDY
 DALLAS/DENTON COUNTY
 IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	UNDEVELOPED	COMMERCIAL
RES. SIGHT DISTANCE		
BALL BANK OR ADVISORY SPEED		
CURVES OVER 2°		
GRADES OVER 3%		
SURFACE WIDTH AND TYPE	2 LANES	
R.O.W. AND RDBD. WIDTH		
ACCIDENTS		
ZONE LENGTHS (MILES)	6.927 MILES	
ZONE SPEEDS (M.P.H.)	50 MPH	



ZONE SPEEDS (M.P.H.)	50 MPH	
ZONE LENGTHS (MILES)	6.927 MILES	
ACCIDENTS		
R.O.W. AND RDBD. WIDTH		
SURFACE WIDTH AND TYPE	2 LANES	
GRADES OVER 3%		
CURVES OVER 2°		
BALL BANK OR ADVISORY SPEED		
RES. SIGHT DISTANCE		
DEVELOPMENT	UNDEVELOPED	COMMERCIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE			SECTION TWO				
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT	
BEGINS	0 + 00	-	()	BEGINS	+	-	()
	MP				MP		
ENDS	0 + 00	-	()	ENDS	+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN


SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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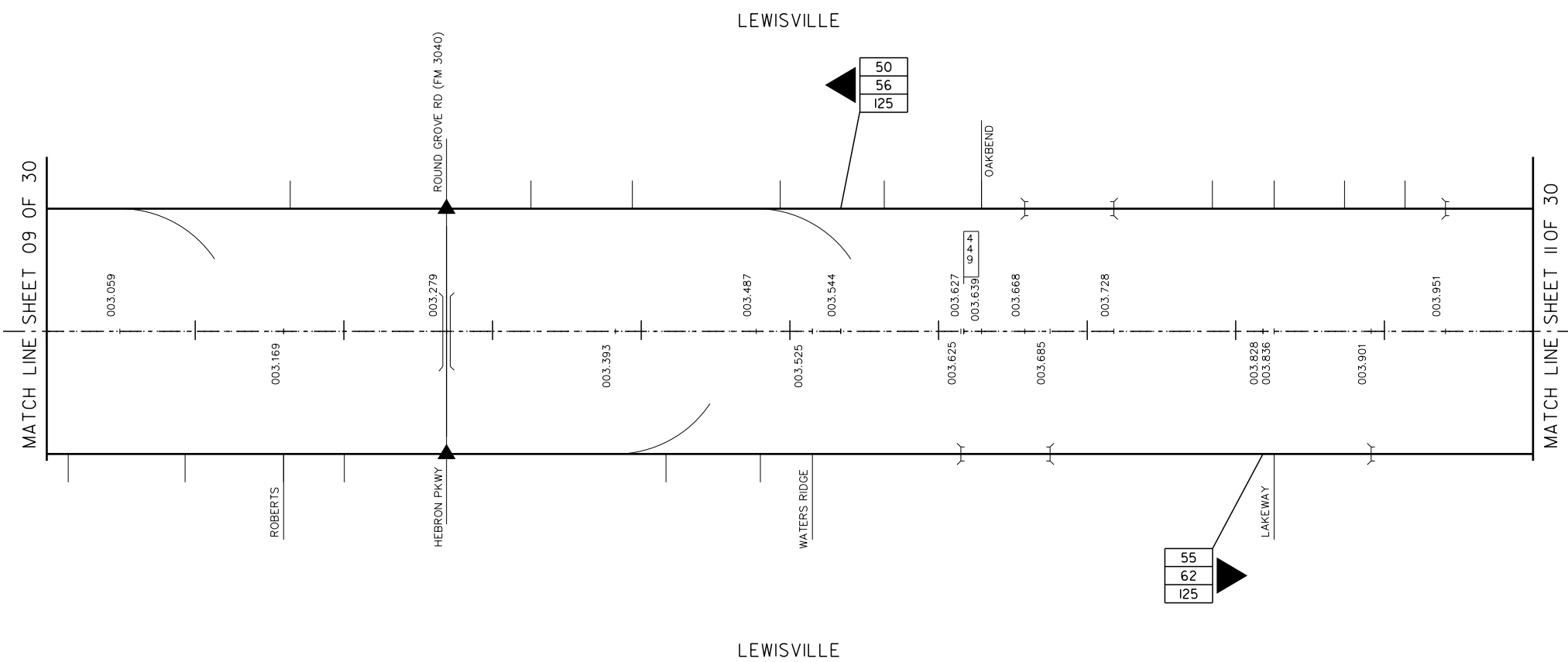
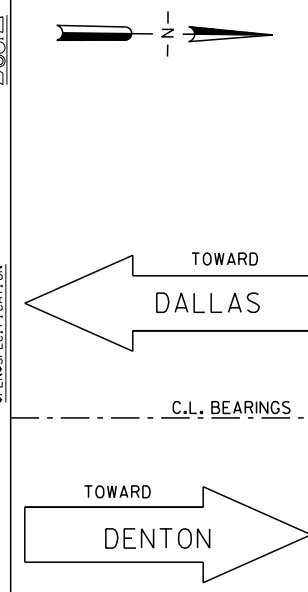
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	6.927 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	6.927 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	-	()	BEGINS	+	-	()
	MP				MP		
ENDS	0 + 00	-	()	ENDS	+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

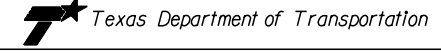
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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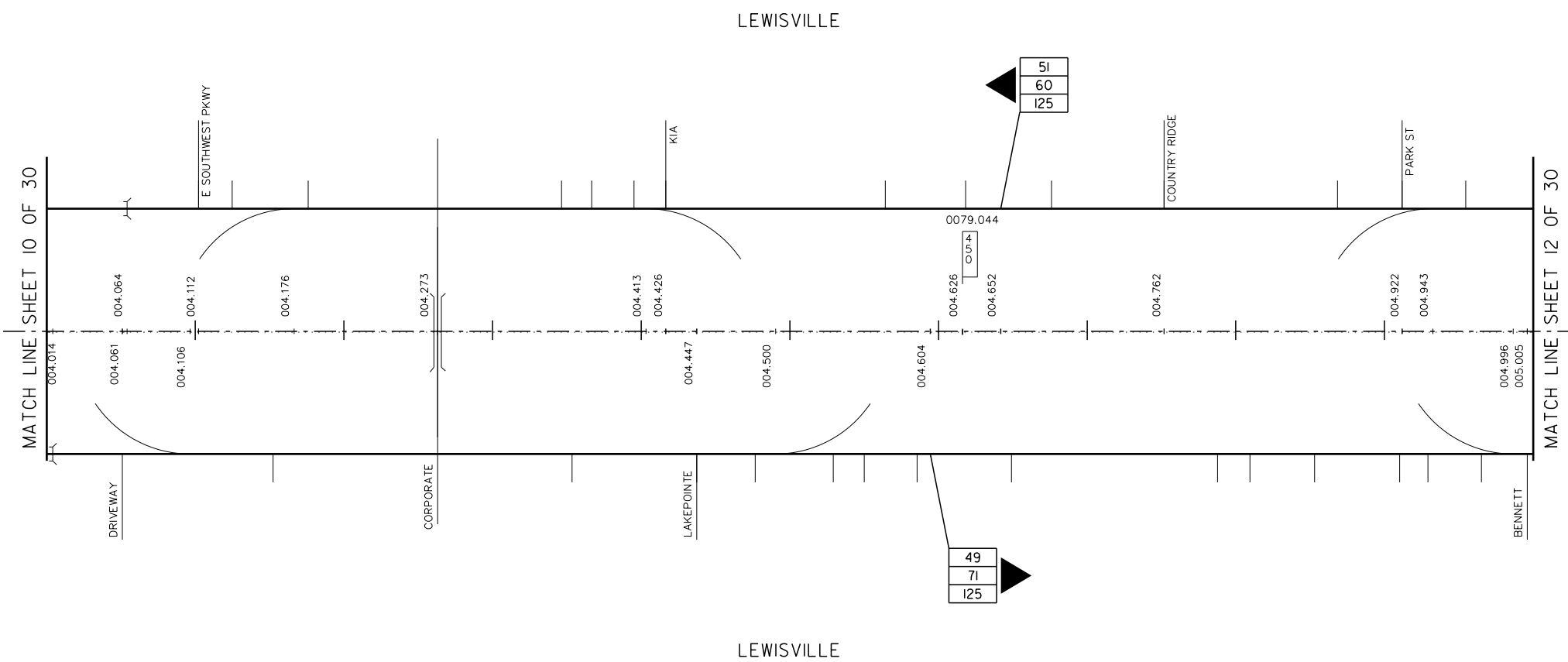
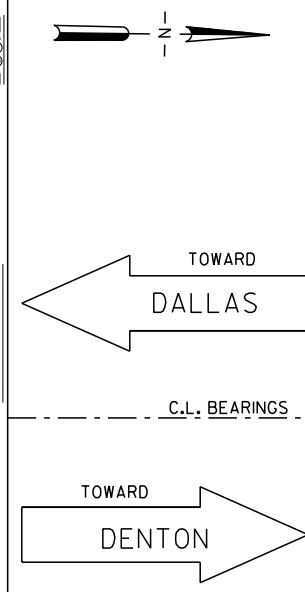
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL/RESIDENTIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2"	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	6.927 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	6.927 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2"	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL/RESIDENTIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

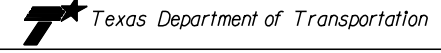
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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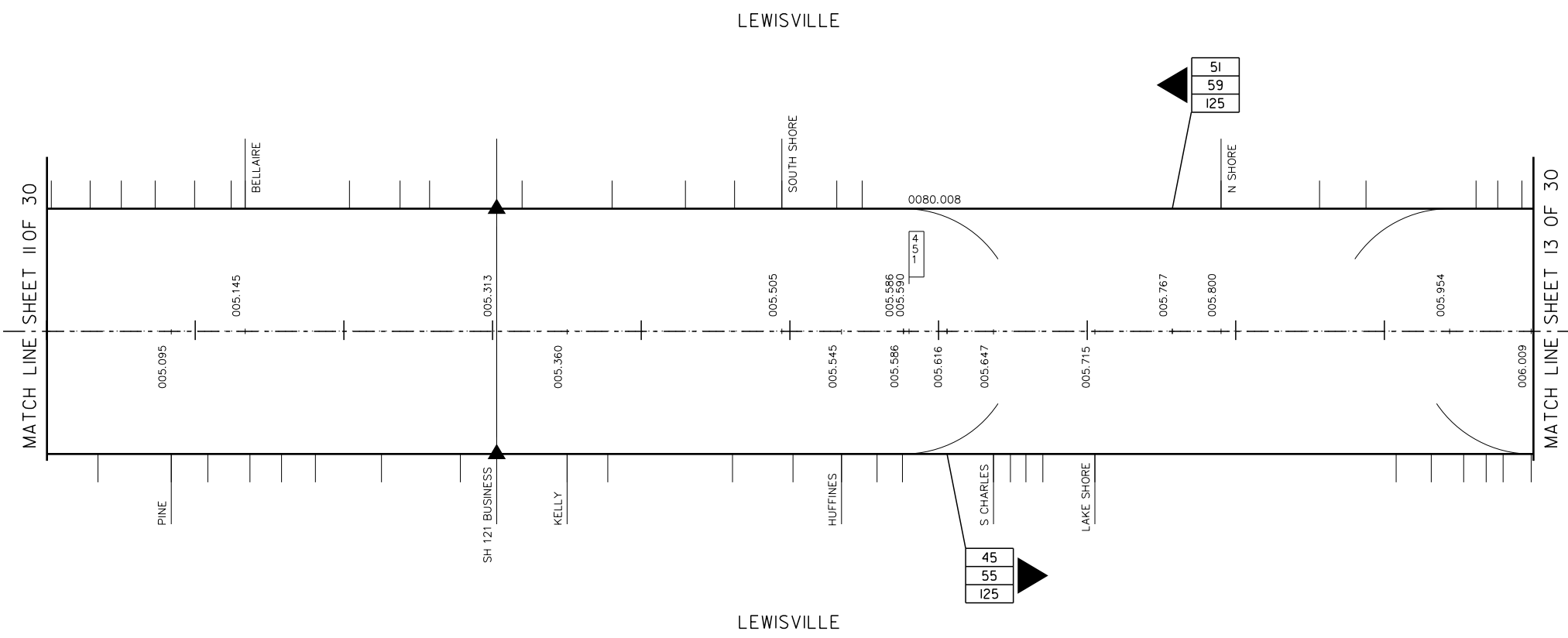
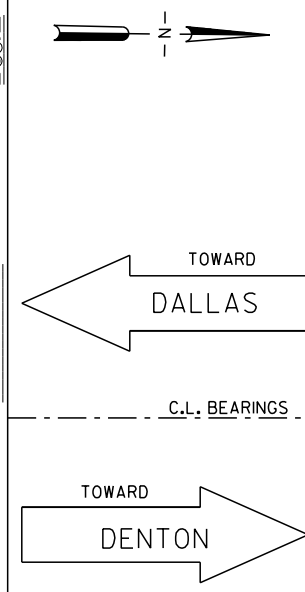
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			II
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL/RESIDENTIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	6.927 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	6.927 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL/RESIDENTIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

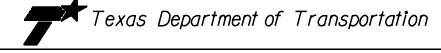
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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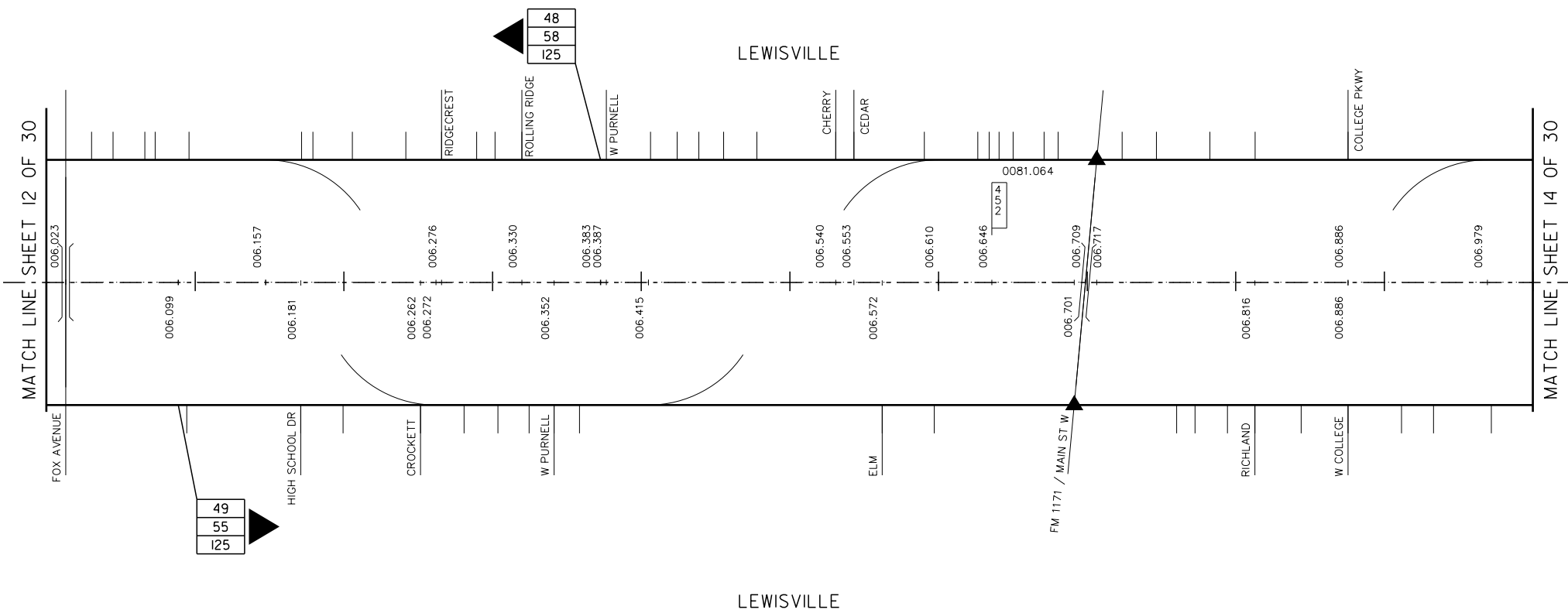
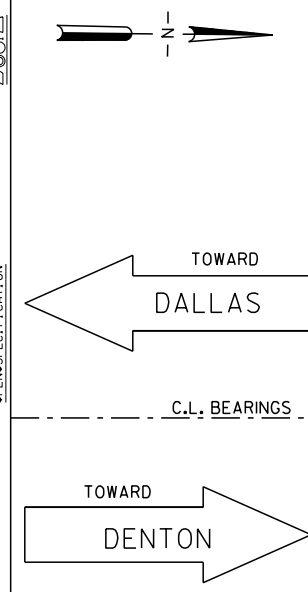
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			12
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL/RESIDENTIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2"	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	6.927 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	6.927 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2"	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL/RESIDENTIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
MP			MP			
ENDS 0 + 00	-	()	ENDS +	-	()	
MP			MP			

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

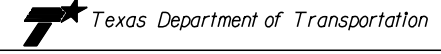
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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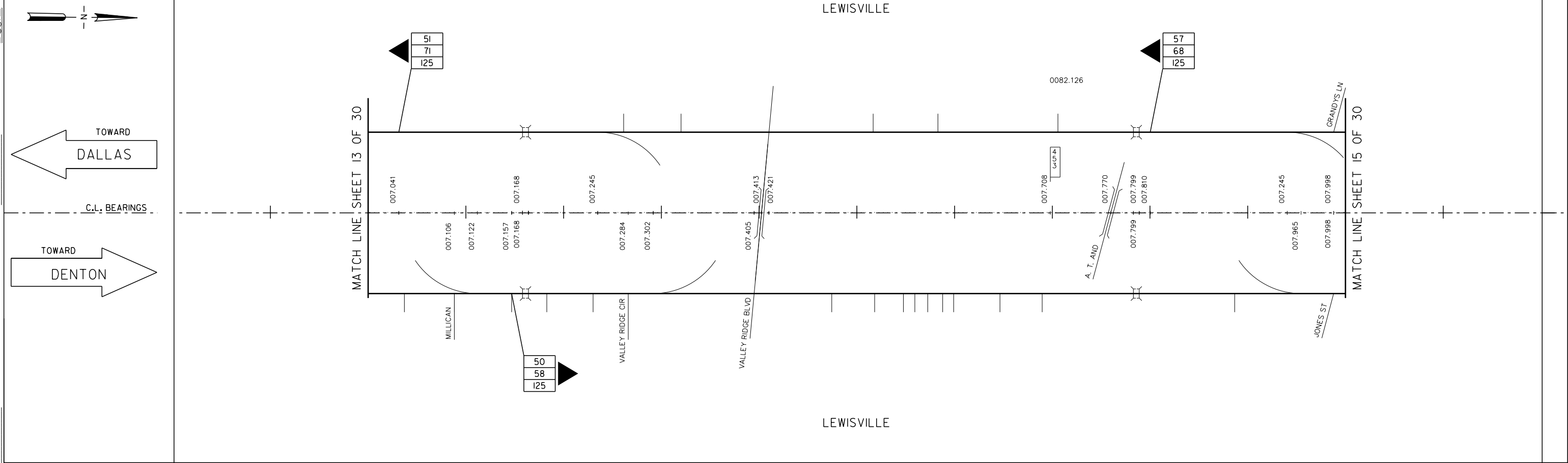
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			13
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL/RESIDENTIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2"	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	6.927 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	6.927 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2"	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL/RESIDENTIAL

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
MP			MP			
ENDS 0 + 00	-	()	ENDS +	-	()	
MP			MP			

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

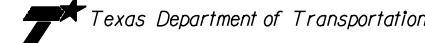
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



GUNDA CORPORATION
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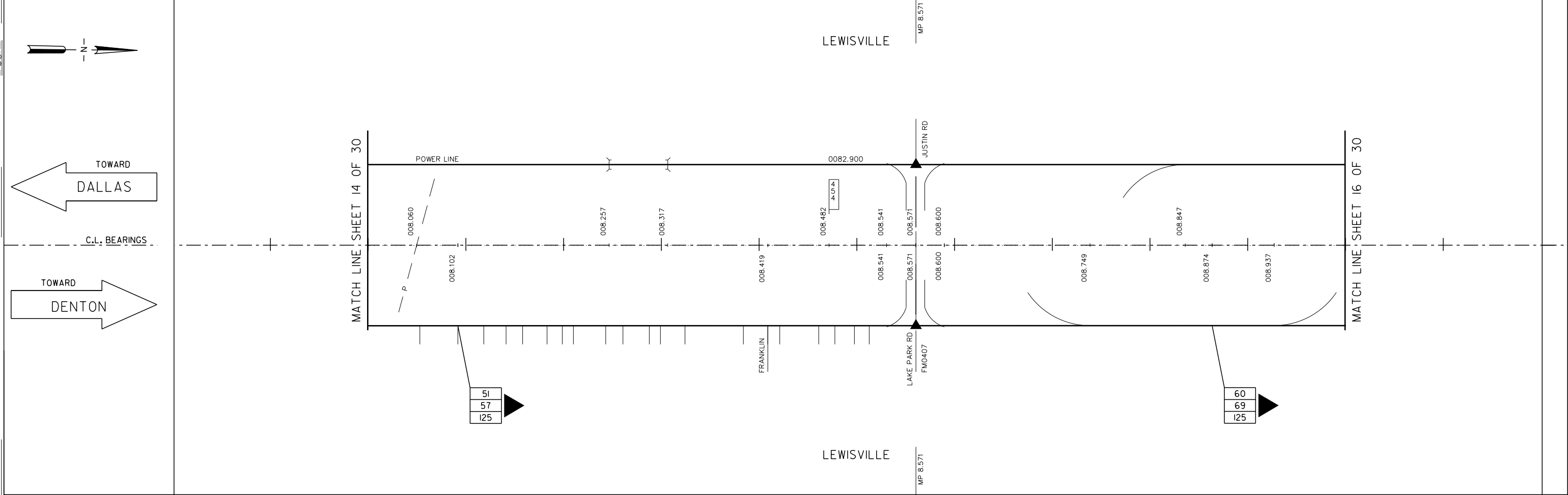
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			14
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL/RESIDENTIAL/UNDEVELOPED
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	6.927 MILES
ZONE SPEEDS (M.P.H.)	50 MPH
	2.093 MILES
	55 MPH



ZONE SPEEDS (M.P.H.)	50 MPH	55 MPH
ZONE LENGTHS (MILES)	6.927 MILES	2.093 MILES
ACCIDENTS		
R.O.W. AND RDBD. WIDTH		
SURFACE WIDTH AND TYPE	2 LANES	
GRADES OVER 3%		
CURVES OVER 2°		
BALL BANK OR ADVISORY SPEED		
RES. SIGHT DISTANCE		
DEVELOPMENT	COMMERCIAL/RESIDENTIAL	

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
MP			MP			
ENDS 0 + 00	-	()	ENDS +	-	()	
MP			MP			

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN


SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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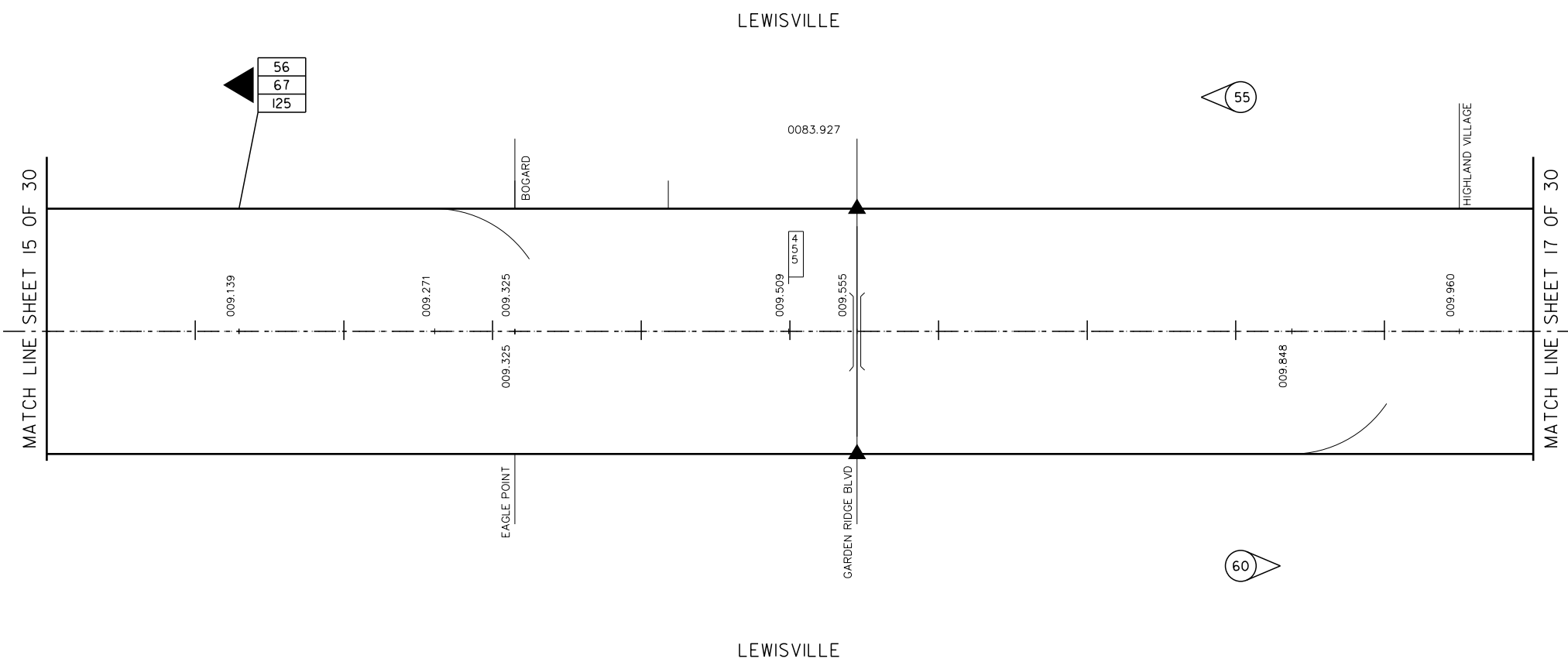
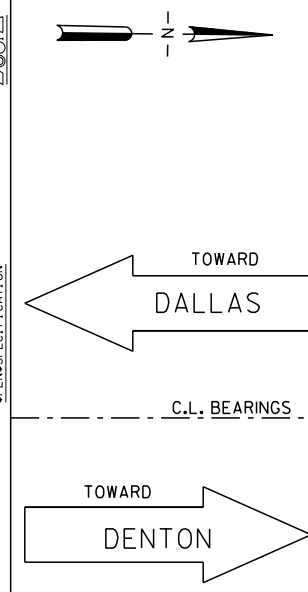


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	RESIDENTIAL
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	2 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	2.093 MILES
ZONE SPEEDS (M.P.H.)	55 MPH



ZONE SPEEDS (M.P.H.)	55 MPH
ZONE LENGTHS (MILES)	2.093 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	2 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	COMMERCIAL/UNDEVELOPED/LAKE LEWISVILLE

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 FRONTAGE ROADS	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
MP			MP			
ENDS 0 + 00	-	()	ENDS +	-	()	
MP			MP			

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN


SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO US 380 / UNIVERSITY DR



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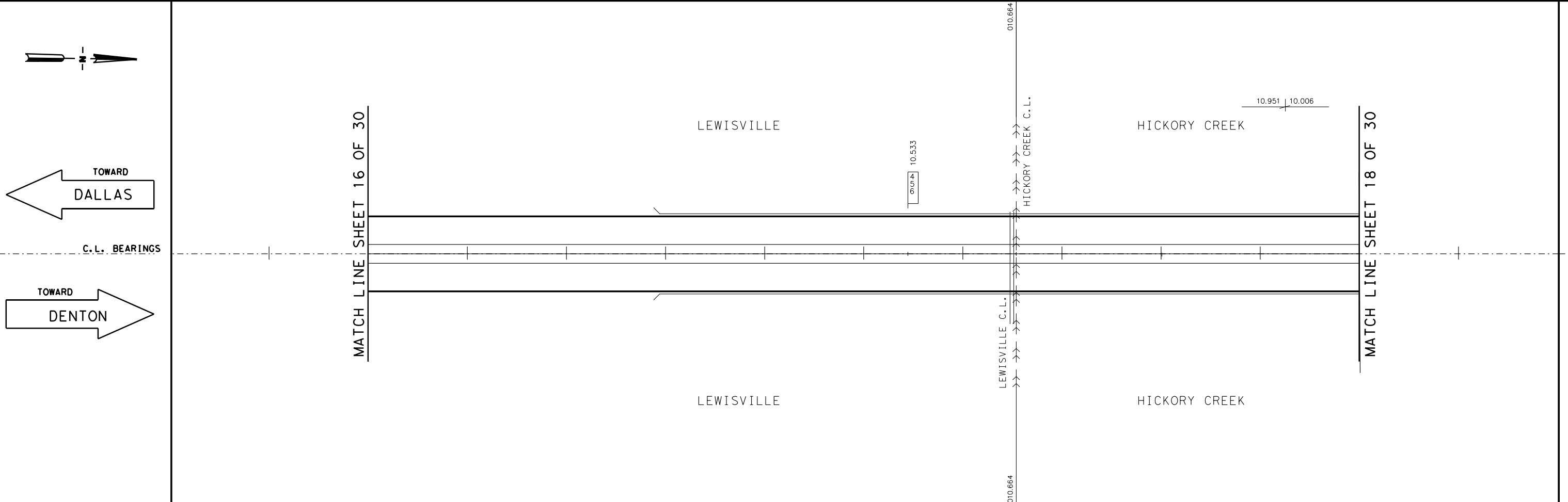
Texas Department of Transportation

SPEED STUDY
 DALLAS/DENTON COUNTY
 IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			16
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	N/A
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	N/A
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	2.093 MILES
ZONE SPEEDS (M.P.H.)	55 MPH



ZONE SPEEDS (M.P.H.)	55 MPH
ZONE LENGTHS (MILES)	2.093 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	N/A

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1301 MCKINNEY STREET, SUITE 1100
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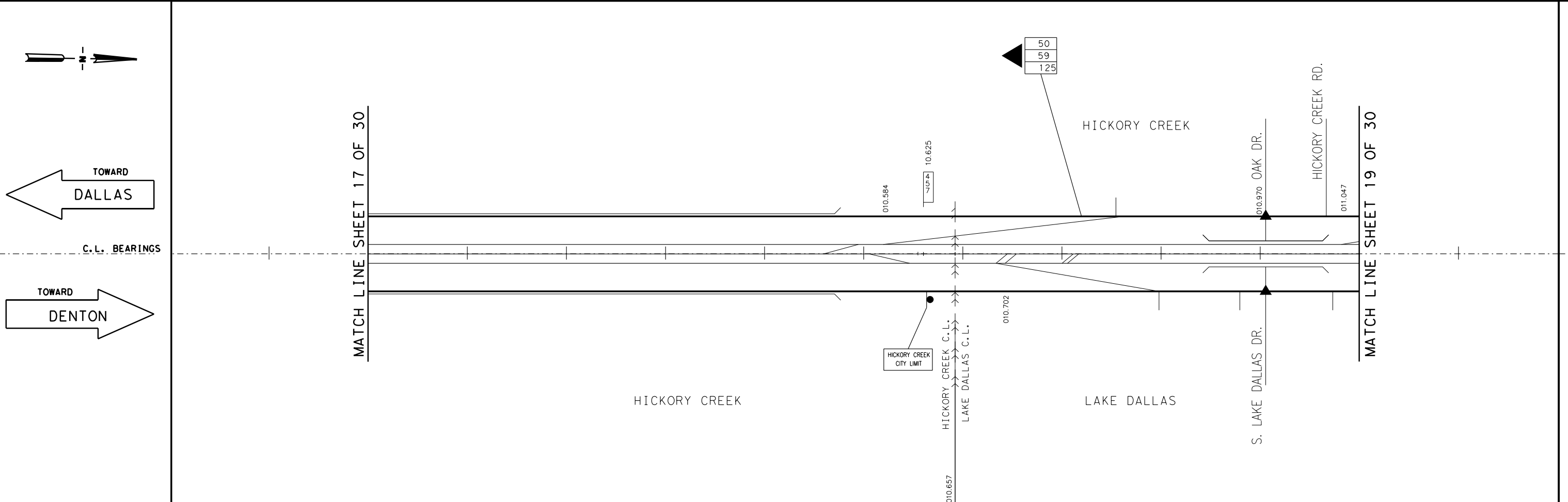


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	17
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	N/A	RESIDENTIAL
RES. SIGHT DISTANCE	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
CURVES OVER 2°	N/A	
GRADES OVER 3%	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	
R.O.W. AND RDBD. WIDTH		
ACCIDENTS	N/A	
ZONE LENGTHS (MILES)	2.235 MILES	
ZONE SPEEDS (M.P.H.)	55 MPH	



ZONE SPEEDS (M.P.H.)	55 MPH	55 MPH
ZONE LENGTHS (MILES)	0.938 MILES	1.297 MILES
ACCIDENTS	N/A	
R.O.W. AND RDBD. WIDTH	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A	
CURVES OVER 2°	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
RES. SIGHT DISTANCE	N/A	
DEVELOPMENT	N/A	COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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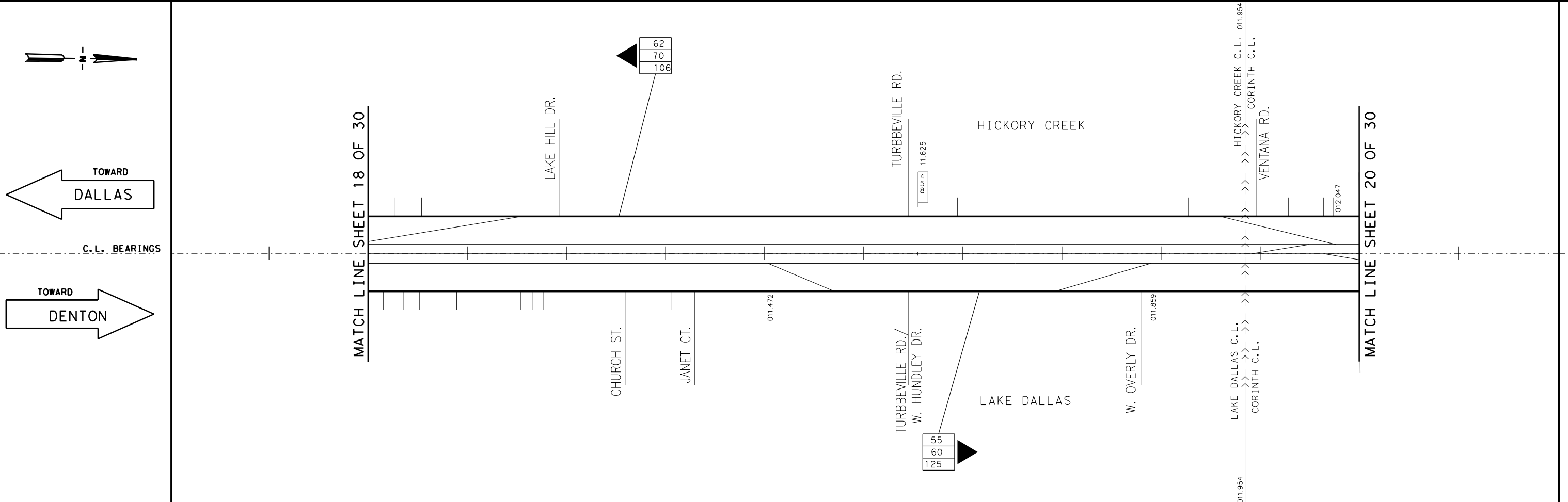


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	18
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	RESIDENTIAL	COMMERCIAL
RES. SIGHT DISTANCE	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
CURVES OVER 2°	N/A	
GRADES OVER 3%	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	
R.O.W. AND RDBD. WIDTH		
ACCIDENTS	N/A	
ZONE LENGTHS (MILES)	2.235 MILES	3.156 MILES
ZONE SPEEDS (M.P.H.)	55 MPH	50 MPH



DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. :	DATE
REPLACES :	DATE
REPLACED BY :	DATE
CANCELLED BY :	DATE

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STATION	CONT.	SECT.	PROJECT	STATION	CONT.	SECT.	PROJECT
BEGINS	0 + 00	-	()	BEGINS	+	-	()
ENDS	0 + 00	-	()	ENDS	+	-	()

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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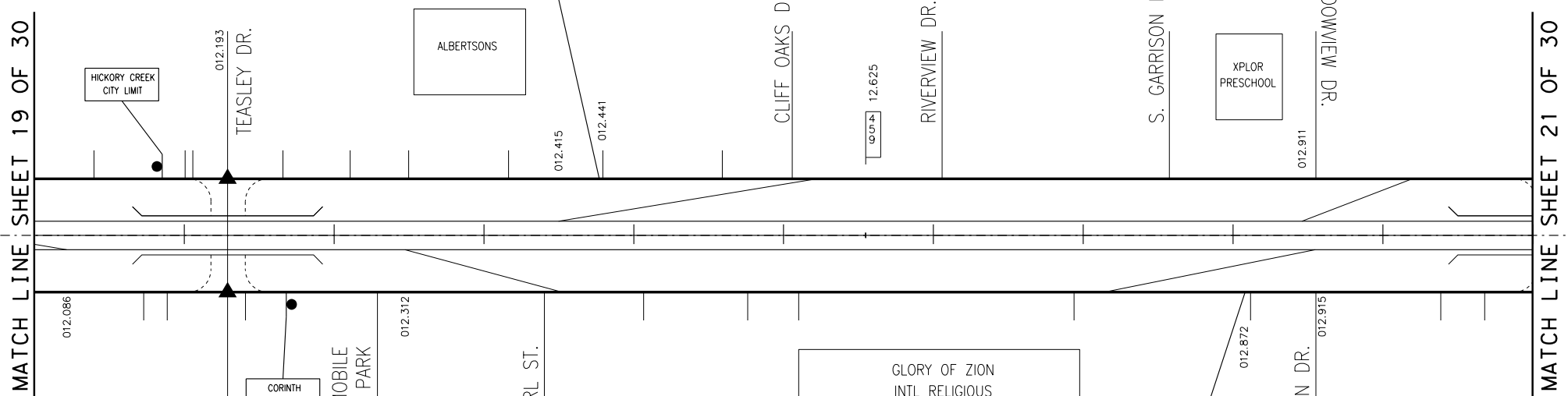
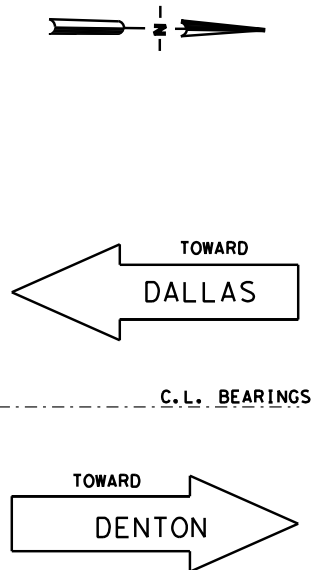


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	19
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL	UNDEVELOPED	COMMERCIAL
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)		
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	3.156 MILES		
ZONE SPEEDS (M.P.H.)	50 MPH		



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	3.156 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	COMMERCIAL
	UNDEVELOPED

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00		()	BEGINS	+ _____	()	()
ENDS	0 + 00		()	ENDS	+ _____	()	()

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 129 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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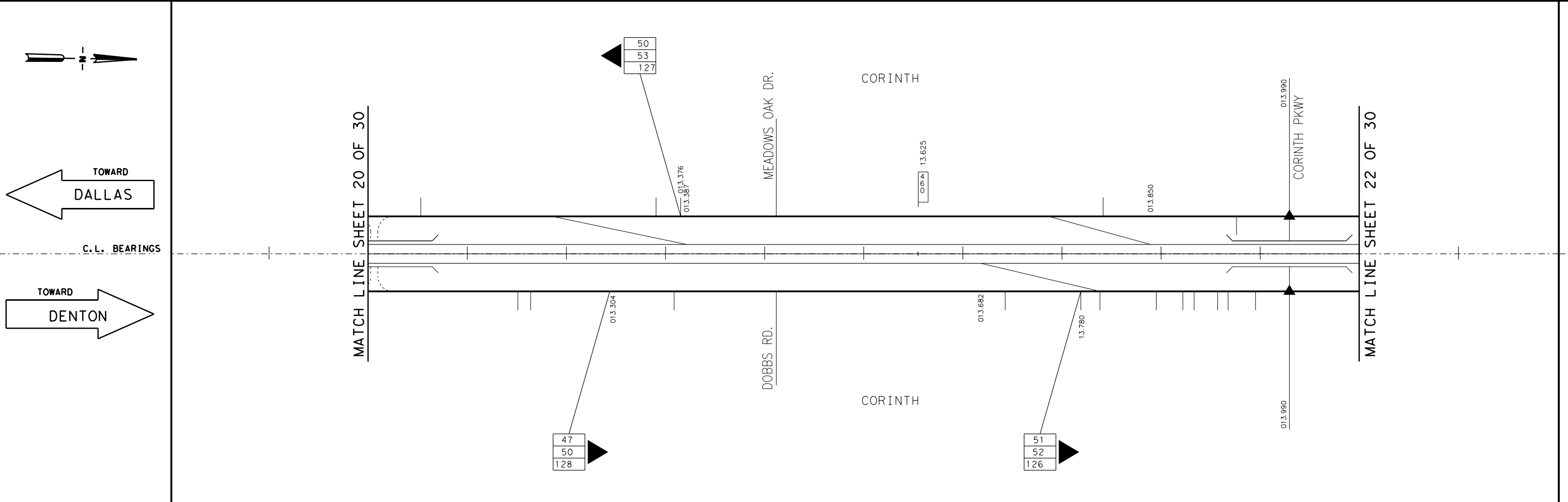


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			20
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	← COMMERCIAL →	← UNDEVELOPED →	← COMMERCIAL →
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	← TWO LANES (ONE-WAY) →		
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	← 3.156 MILES →		
ZONE SPEEDS (M.P.H.)	← 50 MPH →		



ZONE SPEEDS (M.P.H.)	← 50 MPH →
ZONE LENGTHS (MILES)	← 3.156 MILES →
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	← TWO LANES (ONE-WAY) →
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	← UNDEVELOPED →
	← COMMERCIAL →
	← INDUSTRIAL →

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH	MILES	BEGINS	STA. OR M.P.
	0 + 00	-	()				+ _____
	MP						MP
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT			ENDS	STA. OR M.P.
	0 + 00	-	()				+ _____
	MP						MP

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- ⚡ TRIAL RUN
- ⋯ TURNAROUND
- ≡ BRIDGE/OVERPASS
- ++++ RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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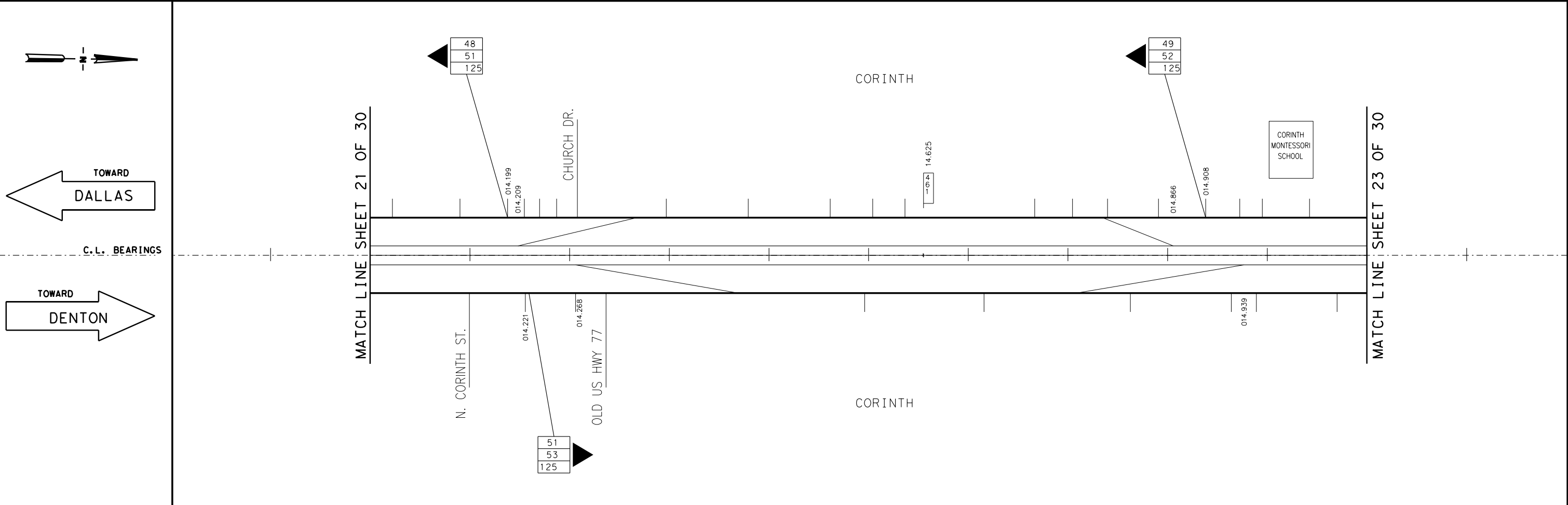


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	21
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	3.156 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	3.156 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	INDUSTRIAL
	COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
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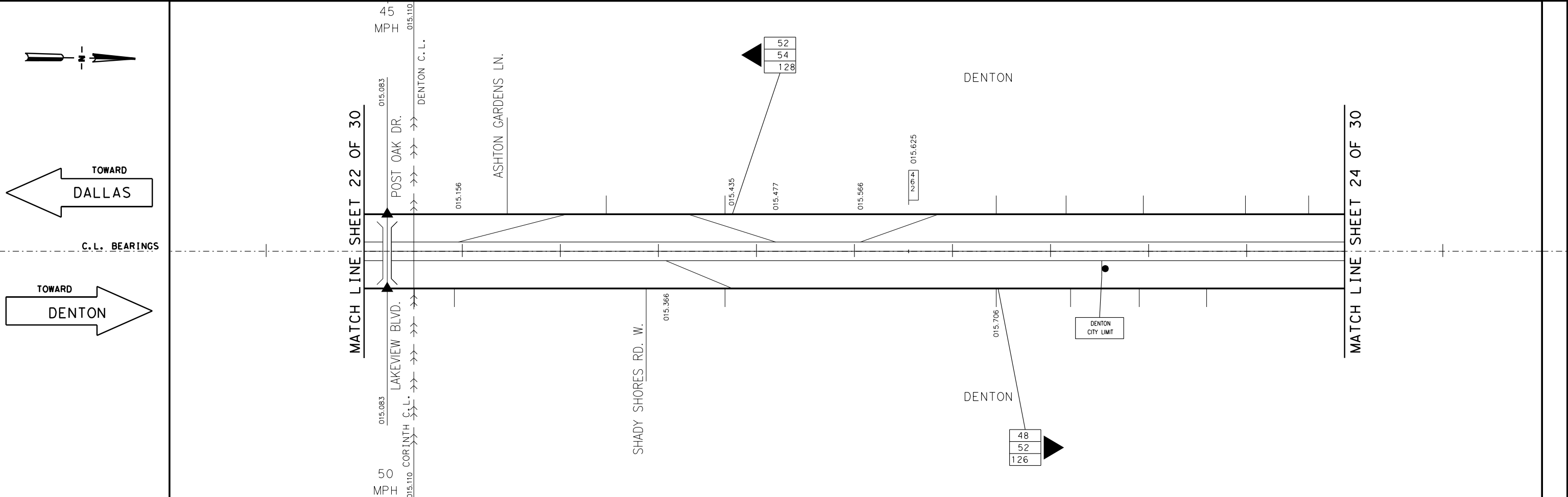
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			22
CHECKED	STATE	COUNTY	
	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL	UNDEVELOPED	COMMERCIAL
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)		
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	3.156 MILES	2.393 MILES	
ZONE SPEEDS (M.P.H.)	45 MPH	50 MPH	



ZONE SPEEDS (M.P.H.)	45 MPH	50 MPH
ZONE LENGTHS (MILES)	3.156 MILES	7.801 MILES
ACCIDENTS	N/A	
R.O.W. AND RDBD. WIDTH	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	
GRADES OVER 3%	N/A	
CURVES OVER 2°	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
RES. SIGHT DISTANCE	N/A	
DEVELOPMENT	COMMERCIAL	COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. :	DATE
REPLACES :	DATE
REPLACED BY :	DATE
CANCELLED BY :	DATE

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ + + + +	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ + + + +	- - - - -	()
	MP				MP		

42 85 PERCENTILE SPEED
62 TOP SPEED MEASURED
125 NUMBER OF CARS CHECKED

- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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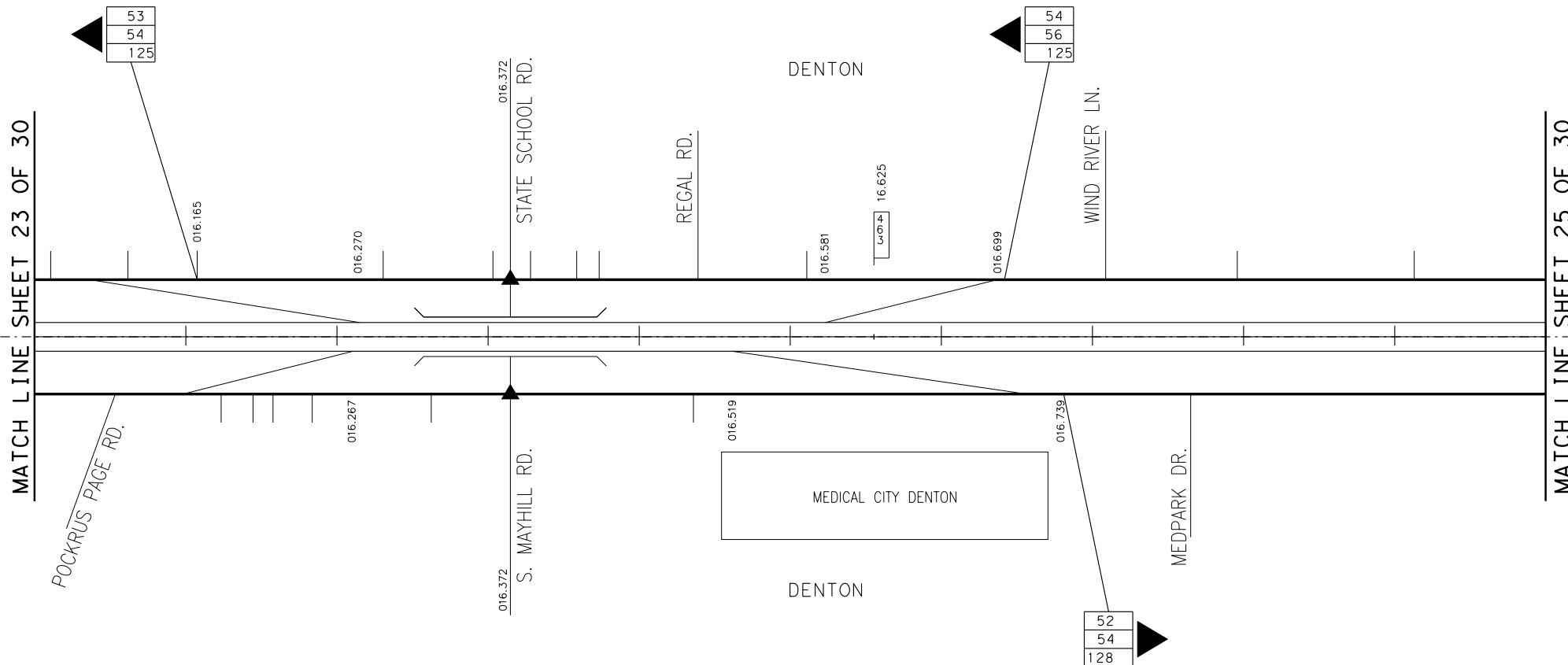
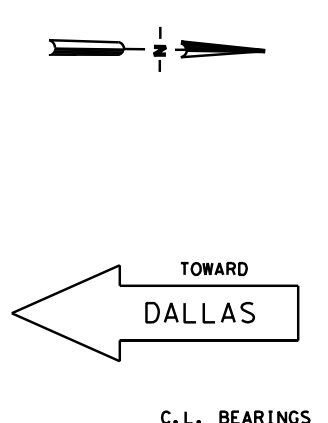
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			23
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	N/A
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	2.393 MILES
ZONE SPEEDS (M.P.H.)	55 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	7.801 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	COMMERCIAL
DEVELOPMENT	UNDEVELOPED

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. :	_____	DATE	___/___/___
REPLACES :	_____	DATE	___/___/___
REPLACED BY :	_____	DATE	___/___/___
CANCELLED BY :	_____	DATE	___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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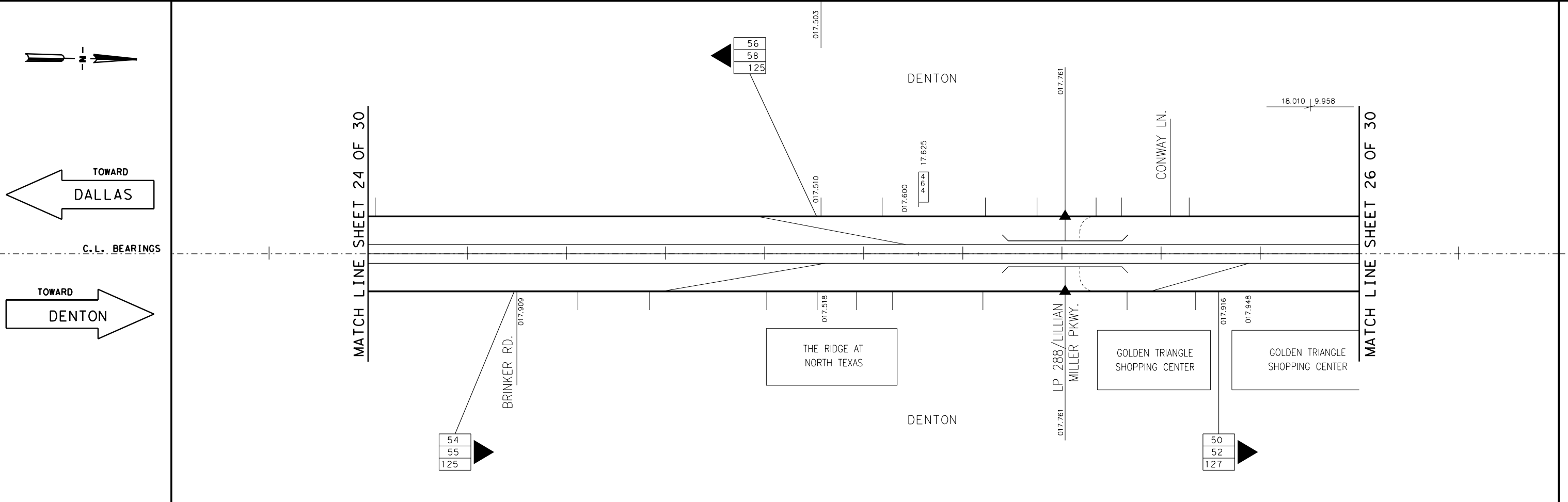
SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

24

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	COMMERCIAL	RESIDENTIAL
RES. SIGHT DISTANCE	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
CURVES OVER 2°	N/A	
GRADES OVER 3%	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	TWO LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH		
ACCIDENTS	N/A	
ZONE LENGTHS (MILES)	2.393 MILES	5.408 MILES
ZONE SPEEDS (M.P.H.)	50 MPH	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	7.801 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	UNDEVELOPED COMMERCIAL RESIDENTIAL COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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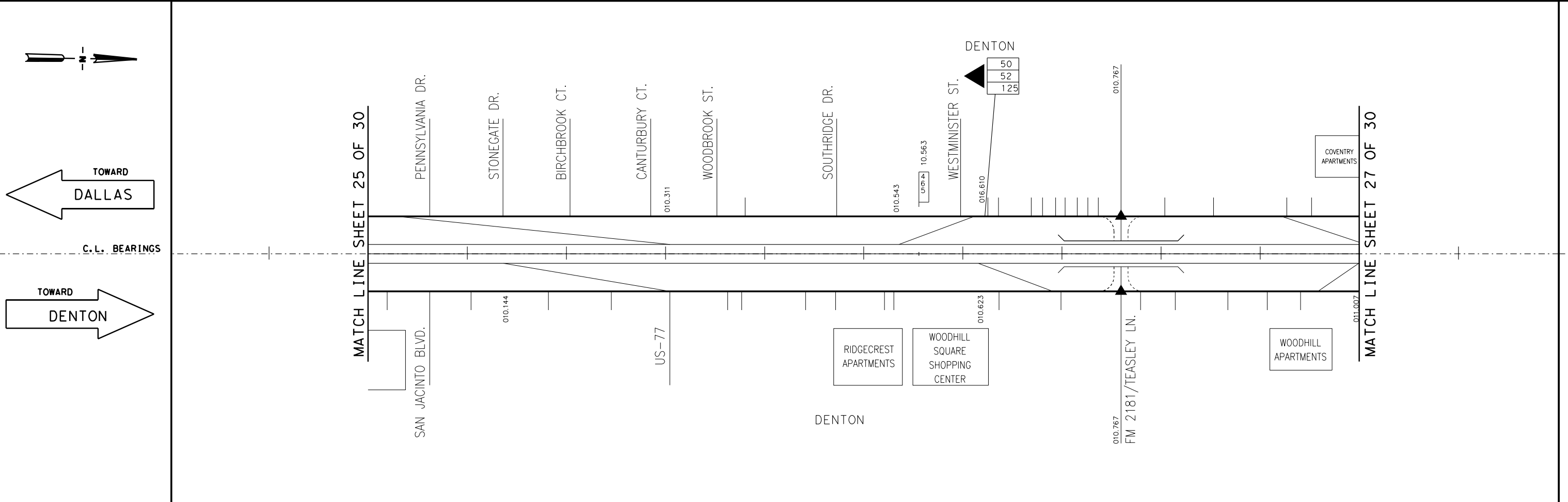


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			25
CHECKED	STATE DIST. NO.	COUNTY	
	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	RESIDENTIAL	COMMERCIAL	RESIDENTIAL
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)		
R.O.W. AND RDBD. WIDTH			
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	5.408 MILES		
ZONE SPEEDS (M.P.H.)	50 MPH		



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	7.801 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. :	DATE
REPLACES :	DATE
REPLACED BY :	DATE
CANCELLED BY :	DATE

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH MILES
BEGINS 0 + 00		()		BEGINS +		()	
ENDS 0 + 00		()		ENDS +		()	

- 42** 85 PERCENTILE SPEED
- 62** TOP SPEED MEASURED
- 125** NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- ⚡ TRIAL RUN
- TURNAROUND
- ≡ BRIDGE/OVERPASS
- ++++ RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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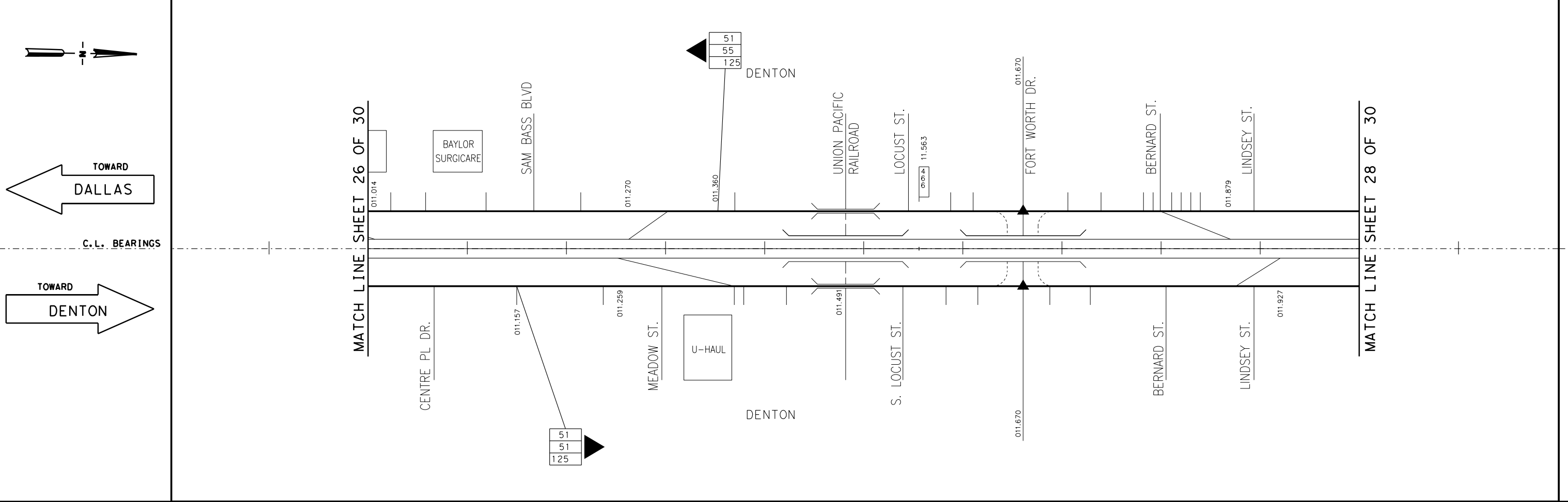


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	26
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	RESIDENTIAL	COMMERCIAL	UNDEVELOPED	RESIDENTIAL	COMMERCIAL	RESIDENTIAL
RES. SIGHT DISTANCE	N/A					
BALL BANK OR ADVISORY SPEED	N/A					
CURVES OVER 2°	N/A					
GRADES OVER 3%	N/A					
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)					
R.O.W. AND RDBD. WIDTH	N/A					
ACCIDENTS	N/A					
ZONE LENGTHS (MILES)	5.408 MILES					
ZONE SPEEDS (M.P.H.)	50 MPH					



ZONE SPEEDS (M.P.H.)	50 MPH					
ZONE LENGTHS (MILES)	7.801 MILES					
ACCIDENTS	N/A					
R.O.W. AND RDBD. WIDTH	N/A					
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)					
GRADES OVER 3%	N/A					
CURVES OVER 2°	N/A					
BALL BANK OR ADVISORY SPEED	N/A					
RES. SIGHT DISTANCE	N/A					
DEVELOPMENT	COMMERCIAL	RESIDENTIAL				

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00		()	BEGINS	+ _____	()	()
ENDS	0 + 00		()	ENDS	+ _____	()	()

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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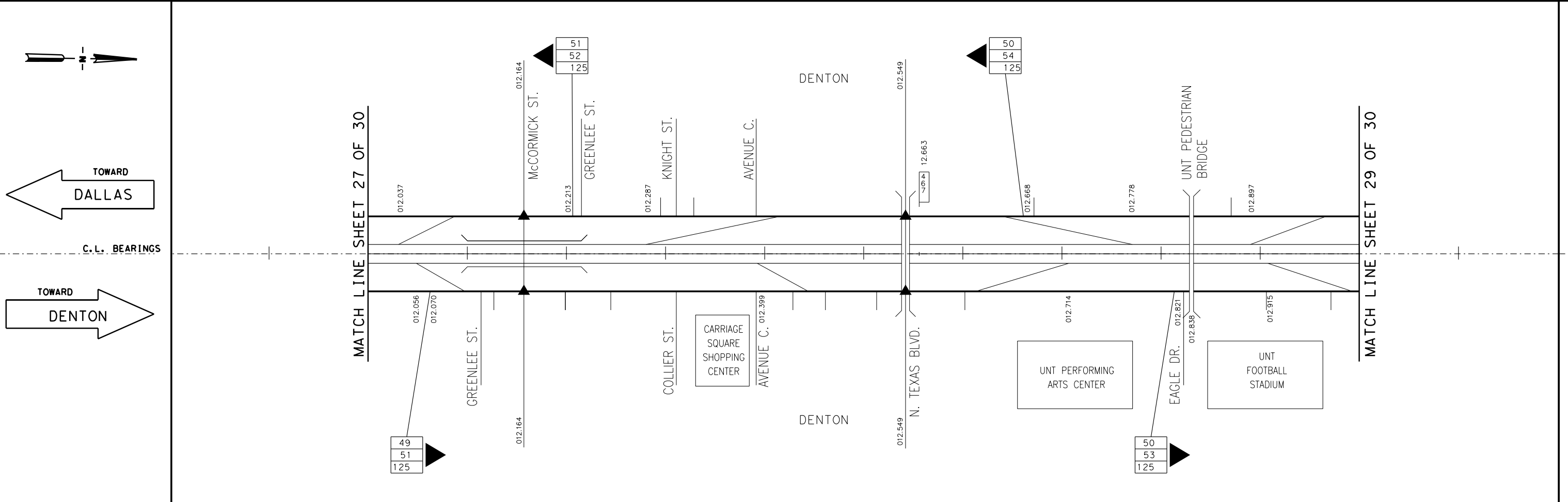


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	27
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	RESIDENTIAL	COMMERCIAL
RES. SIGHT DISTANCE	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
CURVES OVER 2°	N/A	
GRADES OVER 3%	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	
R.O.W. AND RDBD. WIDTH	N/A	
ACCIDENTS	N/A	
ZONE LENGTHS (MILES)	5.408 MILES	
ZONE SPEEDS (M.P.H.)	50 MPH	



ZONE SPEEDS (M.P.H.)	50 MPH	
ZONE LENGTHS (MILES)	7.801 MILES	
ACCIDENTS	N/A	
R.O.W. AND RDBD. WIDTH	N/A	
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)	
GRADES OVER 3%	N/A	
CURVES OVER 2°	N/A	
BALL BANK OR ADVISORY SPEED	N/A	
RES. SIGHT DISTANCE	N/A	
DEVELOPMENT	RESIDENTIAL	COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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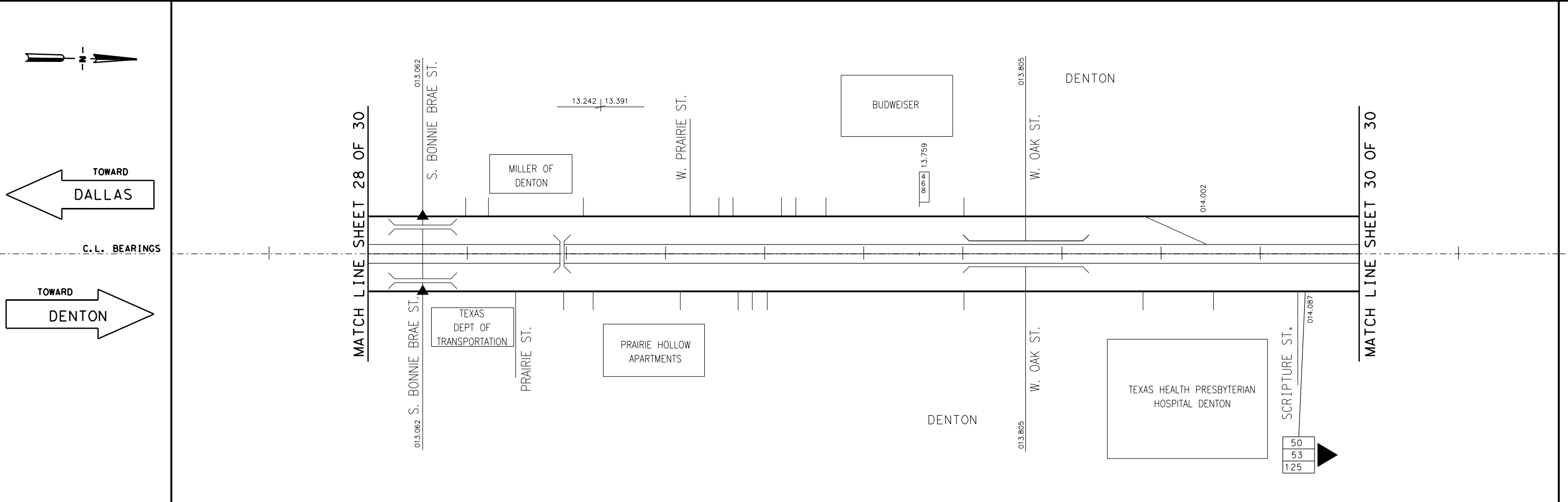


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			28
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	RESIDENTIAL	RESIDENTIAL	COMMERCIAL
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)		TWO LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	5.408 MILES		
ZONE SPEEDS (M.P.H.)	50 MPH		



ZONE SPEEDS (M.P.H.)	50 MPH			
ZONE LENGTHS (MILES)	7.801 MILES			
ACCIDENTS	N/A			
R.O.W. AND RDBD. WIDTH	N/A			
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)			
GRADES OVER 3%	N/A			
CURVES OVER 2°	N/A			
BALL BANK OR ADVISORY SPEED	N/A			
RES. SIGHT DISTANCE	N/A			
DEVELOPMENT	COMMERCIAL	RESIDENTIAL	RESIDENTIAL	COMMERCIAL

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. :	DATE
REPLACES :	DATE
REPLACED BY :	DATE
CANCELLED BY :	DATE

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STATION	LENGTH	PROJECT	MILES	STATION	LENGTH	PROJECT	MILES
BEGINS 0 + 00			()	BEGINS +			()
ENDS 0 + 00			()	ENDS +			()

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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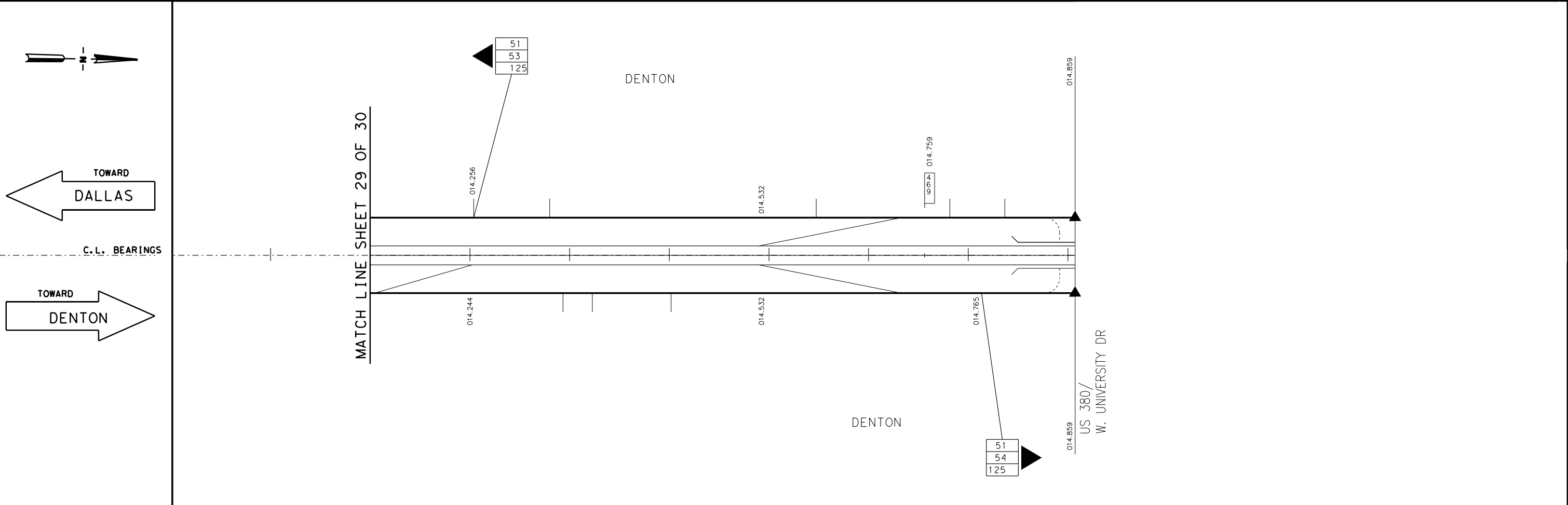


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	29
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 FRONTAGE ROADS

DEVELOPMENT	UNDEVELOPED
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	5.408 MILES
ZONE SPEEDS (M.P.H.)	50 MPH



ZONE SPEEDS (M.P.H.)	50 MPH
ZONE LENGTHS (MILES)	7.801 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	TWO LANES (ONE-WAY) TWO LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	COMMERCIAL UNDEVELOPED UNKNOWN

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E FRONTAGE ROADS CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
ENDS	0 + 00	-	()	ENDS	+	-	()

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1301 MCKINNEY STREET, SUITE 1100
 HOUSTON, TEXAS 77010
 PHONE: 713.630.300 FAX: 713.630.7396



SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 FRONTAGE ROADS

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			30
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY OF CORINTH, TEXAS, AMENDING THE CODE OF ORDINANCES OF THE CITY OF CORINTH, TEXAS, BY AMENDING CHAPTER 70, TRAFFIC RULES, BY MODIFICATIONS TO MAXIMUM SPEED LIMITS SHOWN IN SECTION 70.1, SPEED LIMITS, PARAGRAPH (C), TABLE OF MAXIMUM SPEEDS; PROVIDING A PENALTY OF FINE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2000.00) FOR EACH OFFENSE; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CORINTH, TEXAS:

SECTION 1.

That the Code of Ordinances of the City of Corinth, Texas, is hereby amended by changing maximum speed limits shown in Section 70.1, Speed Limits, Paragraph (c), Table of Maximum Speed Limits, read as follows, to-wit:

...

Street	Description	MPH	Ord. No.	Date
Interstate 35 East	Stemmons Freeway, 4900 through 8100 Blocks	65		
Interstate 35 East	Stemmons Freeway, East Service Road, 4900 through 8100 Blocks	50	89-07-20-12	7-20-89
Interstate 35 East	Stemmons Freeway, West Service Road, 4900 through 5900 Blocks	50	89-07-20-12	7-20-89
Interstate 35 East	Stemmons Freeway, West Service Road, 5900 through 6500 Blocks	50	89-07-20-12	7-20-89
Interstate 35 East	Stemmons Freeway, West Service Road, 6600 through 8100 Blocks	50	89-07-20-12	7-20-89

...

SECTION 2.

That any person, firm or corporation violating any provision of this ordinance shall be deemed guilty of a misdemeanor, and upon conviction in the Municipal Court shall be subject to a fine not to exceed the sum of Two Thousand Dollars (\$2000.00) for each offense, and each and every day said violation continues shall constitute a separate offense:

SECTION 3.

That it is the intention of City Council that the sections, paragraphs, sentences, clauses, and phrases of this ordinance are severable; and if any phrase, clause, sentence or section of this ordinance shall be deemed unconstitutional or invalid by any judgment or decree of a court of competent jurisdiction, such unconstitutionality or invalidity shall not affect any other remaining section, paragraph, sentence, clause or portion of this ordinance or any other provision of the Code of Ordinances of the City of Corinth.

SECTION 4.

This ordinance shall take effect immediately from and after its passage and the publication of the caption, as the law and charter in such case provides.

DULY PASSED by the City Council of the City of Corinth, Texas, on the 4th day of January, 2017.

APPROVED:

BY: _____

MAYOR

DULY RECORDED:

BY: _____

CITY SECRETARY

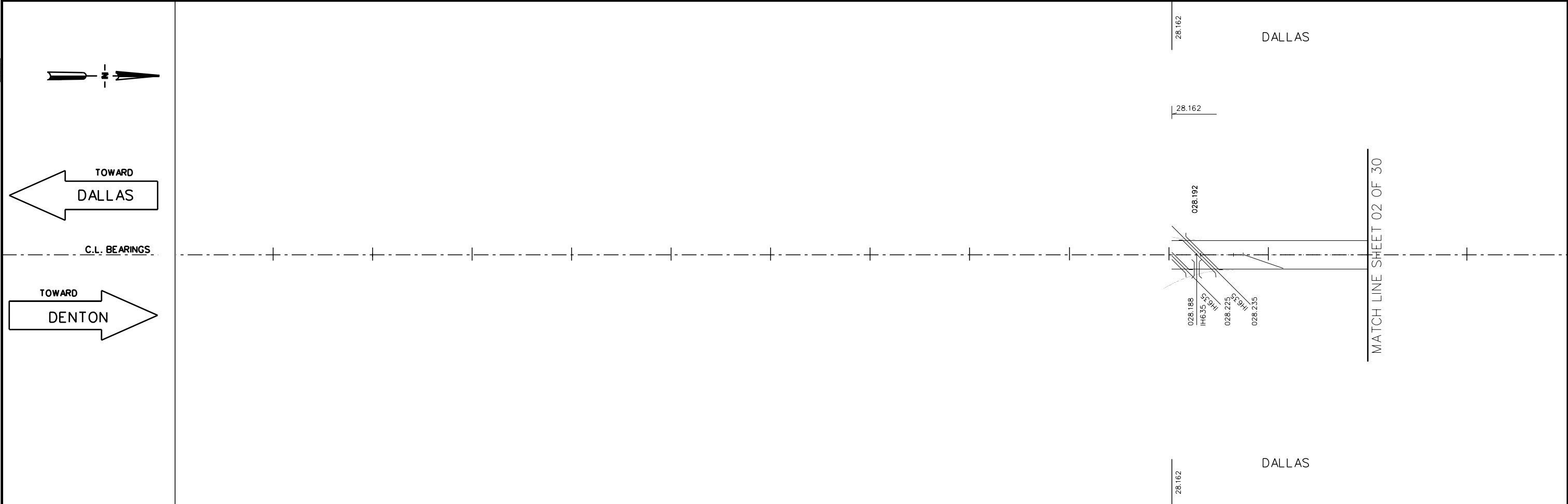
APPROVED AS TO FORM:

BY: _____

CITY ATTORNEY

IH 35E MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	0.357 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	0.357 MILES
ACCIDENTS	N.A.
R.O.W. AND RDBD. WIDTH	N.A.
SURFACE WIDTH AND TYPE	3 LANES
GRADES OVER 3%	N.A.
CURVES OVER 2°	N.A.
BALL BANK OR ADVISORY SPEED	N.A.
RES. SIGHT DISTANCE	N.A.
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE: / /
HIGHWAY: IH 35E MAIN LANES	CITY: VARIOUS	REPLACES:	DATE: / /
DATE OF STUDY: 8-15-17 & 8-16-17	SCALE: 1" = 0.1 MILES	REPLACED BY:	DATE: / /
		CANCELLED BY:	DATE: / /

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	-	()	BEGINS	+ - - -	-	()
ENDS	0 + 00	-	()	ENDS	+ - - -	-	()

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

AECOM
9400 Armburg Boulevard
Austin, Texas 78729
512.454.4797
TXBPE REGISTRATION NO. 3162

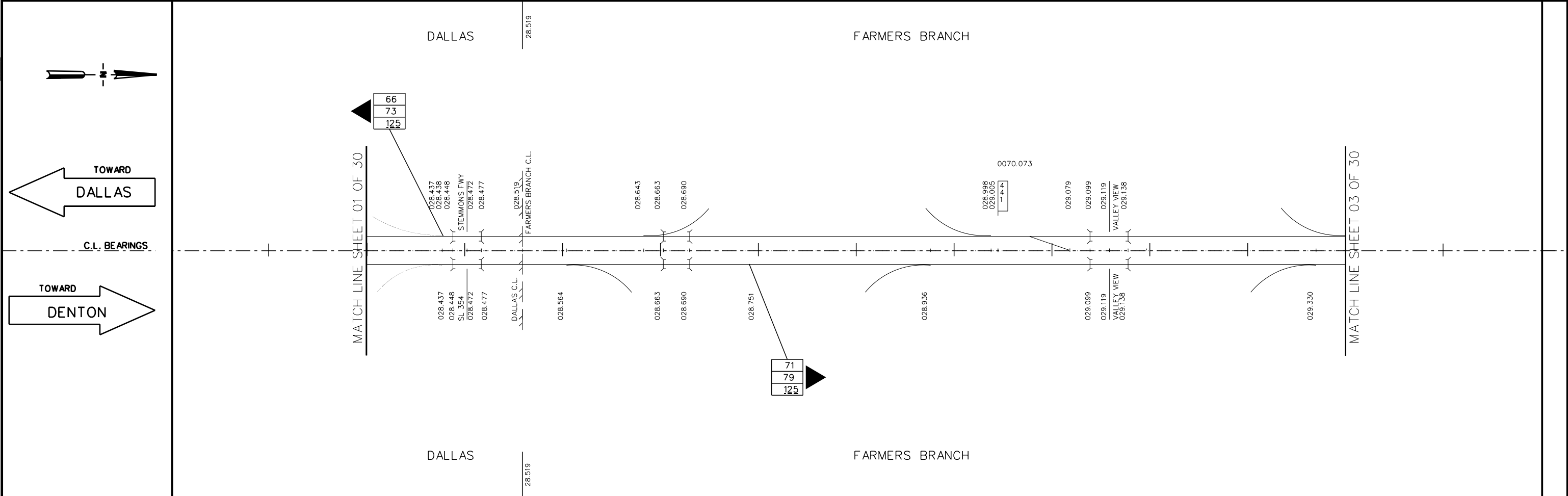
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	01
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS	
RES. SIGHT DISTANCE		
BALL BANK OR ADVISORY SPEED		
CURVES OVER 2°		
GRADES OVER 3%		
SURFACE WIDTH AND TYPE	3 LANES	
R.O.W. AND RDBD. WIDTH		
ACCIDENTS		
ZONE LENGTHS (MILES)	0.357 MILES	1.741 MILES
ZONE SPEEDS (M.P.H.)	70 MPH	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH	
ZONE LENGTHS (MILES)	0.357 MILES	1.741 MILES
ACCIDENTS	N.A.	
R.O.W. AND RDBD. WIDTH	N.A.	
SURFACE WIDTH AND TYPE	3 LANES	
GRADES OVER 3%	N.A.	
CURVES OVER 2°	N.A.	
BALL BANK OR ADVISORY SPEED	N.A.	
RES. SIGHT DISTANCE	N.A.	
DEVELOPMENT	CONTROLLED ACCESS	

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE: / /
HIGHWAY: IH 35E MAIN LANES	CITY: VARIOUS	REPLACES:	DATE: / /
DATE OF STUDY: 8-15-17 & 8-16-17	SCALE: 1" = 0.1 MILES	REPLACED BY:	DATE: / /
		CANCELLED BY:	DATE: / /

LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	()	BEGINS		()	
ENDS	0 + 00	()	ENDS		()	

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

AECOM
9400 Armburg Boulevard
Austin, Texas 78729
512.454.4797
TSP# REGISTRATION NO. 3162

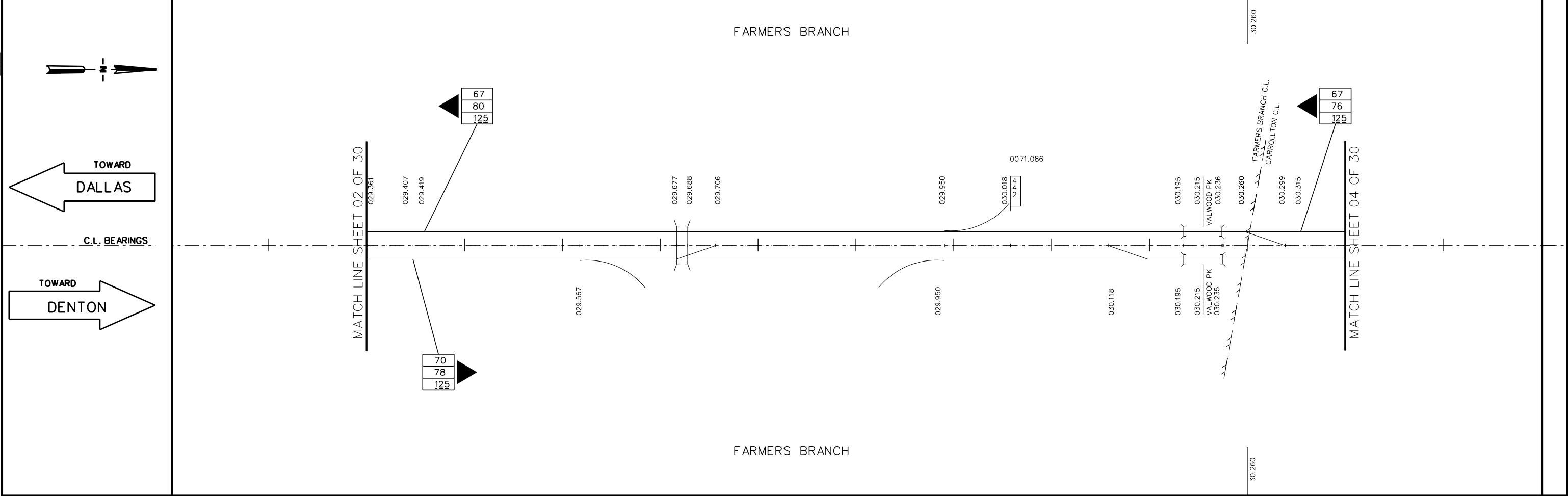
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			02
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	1.741 MILES
ZONE SPEEDS (M.P.H.)	70 MPH
	4.091 MILES
	65 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	1.741 MILES
ACCIDENTS	N.A.
R.O.W. AND RDBD. WIDTH	N.A.
SURFACE WIDTH AND TYPE	3 LANES
GRADES OVER 3%	N.A.
CURVES OVER 2°	N.A.
BALL BANK OR ADVISORY SPEED	N.A.
RES. SIGHT DISTANCE	N.A.
DEVELOPMENT	CONTROLLED ACCESS
	65 MPH
	4.091 MILES

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO. : _____	DATE ____/____/____
HIGHWAY: IH 35E MAIN LANES	CITY: VARIOUS	REPLACES : _____	DATE ____/____/____
DATE OF STUDY 8-15-17 & 8-16-17	SCALE 1" = 0.1 MILES	REPLACED BY : _____	DATE ____/____/____
		CANCELLED BY : _____	DATE ____/____/____

LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	()	BEGINS		()	
ENDS	0 + 00	()	ENDS		()	

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

AECOM
9400 Armburglen Boulevard
Austin, Texas 78729
512.454.4797
TSP# REGISTRATION NO. 3162

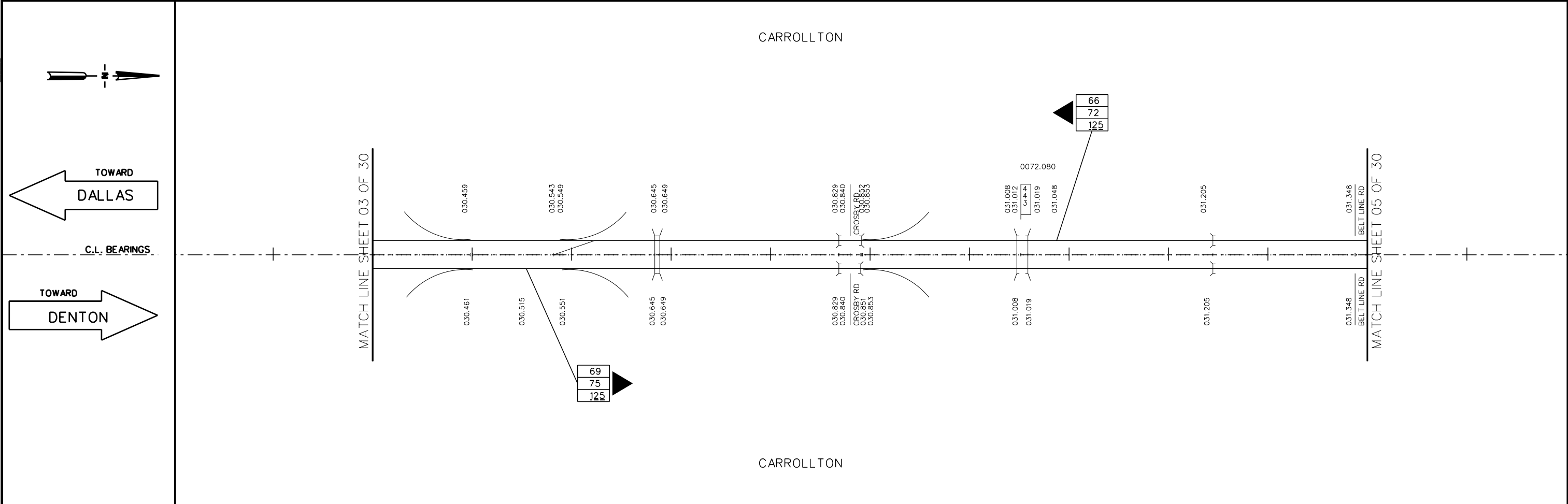
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	COUNTY	03
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	4.091 MILES
ZONE SPEEDS (M.P.H.)	65 MPH



ZONE SPEEDS (M.P.H.)	65 MPH
ZONE LENGTHS (MILES)	4.091 MILES
ACCIDENTS	N.A.
R.O.W. AND RDBD. WIDTH	N.A.
SURFACE WIDTH AND TYPE	3 LANES
GRADES OVER 3%	N.A.
CURVES OVER 2°	N.A.
BALL BANK OR ADVISORY SPEED	N.A.
RES. SIGHT DISTANCE	N.A.
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO. : _____	DATE ____/____/____
HIGHWAY: IH 35E MAIN LANES	CITY: VARIOUS	REPLACES : _____	DATE ____/____/____
DATE OF STUDY 8-15-17 & 8-15-17 SCALE 1" = 0.1 MILES		REPLACED BY : _____	DATE ____/____/____
		CANCELLED BY : _____	DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	-	()	BEGINS	-	-	()
ENDS	0 + 00	-	()	ENDS	-	-	()

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO: US 380/E UNIVERSITY DR

AECOM
9400 Armburglen Boulevard
Austin, Texas 78729
512.454.4797
TSP# REGISTRATION NO. 3162

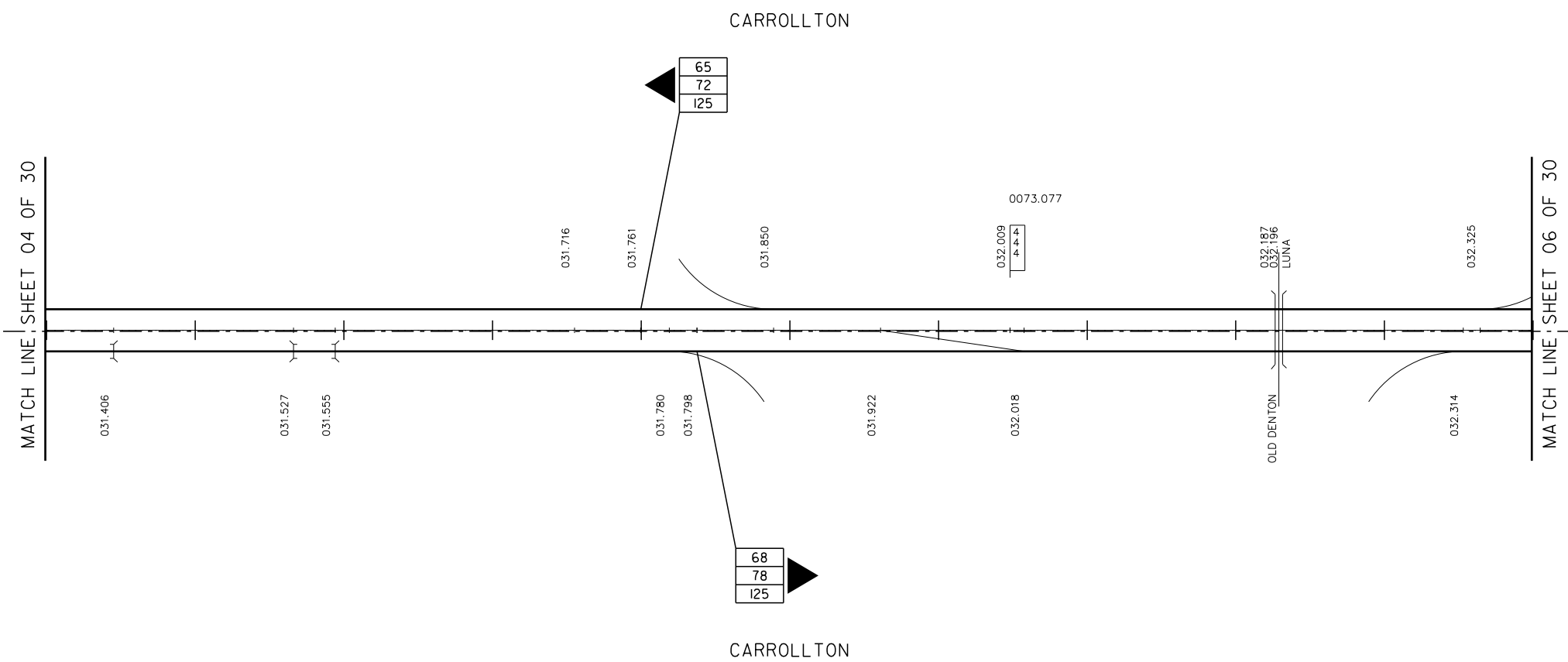
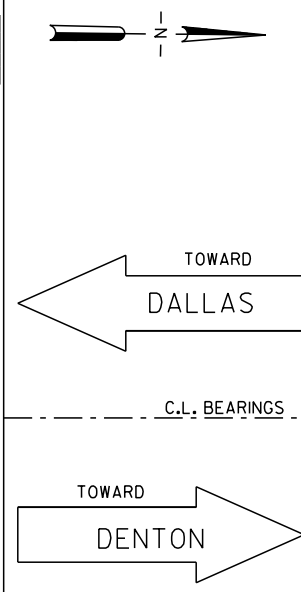
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	04
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	4.091 MILES
ZONE SPEEDS (M.P.H.)	65 MPH



ZONE SPEEDS (M.P.H.)	65 MPH
ZONE LENGTHS (MILES)	4.091 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	3 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE			SECTION TWO				
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES		
BEGINS	0 + 00	-	()	BEGINS	+	-	()
	MP				MP		
ENDS	0 + 00	-	()	ENDS	+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

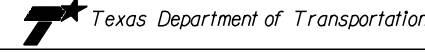
SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO US 380 / UNIVERSITY DR



GUNDA CORPORATION
 Engineers, Planners & Managers
 6161 Savoy, Suite 550
 Houston, Texas 77036
 713.561.3530 • www.gundacorp.com
 TBPE Registration Number: F-3531



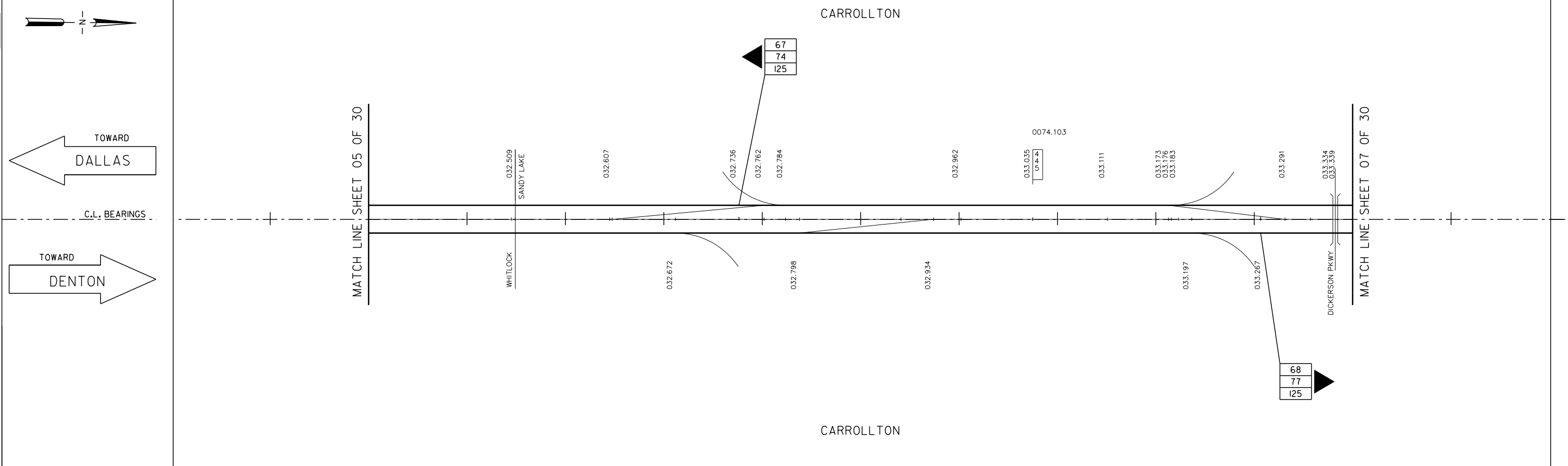
Texas Department of Transportation

SPEED STUDY
 DALLAS/DENTON COUNTY
 IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			05
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	4.091 MILES
ZONE SPEEDS (M.P.H.)	65 MPH



ZONE SPEEDS (M.P.H.)	65 MPH
ZONE LENGTHS (MILES)	4.091 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	3 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN


SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO US 380 / UNIVERSITY DR



GUNDA CORPORATION
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 6161 Savoy, Suite 550
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 TBPE Registration Number: F-3531

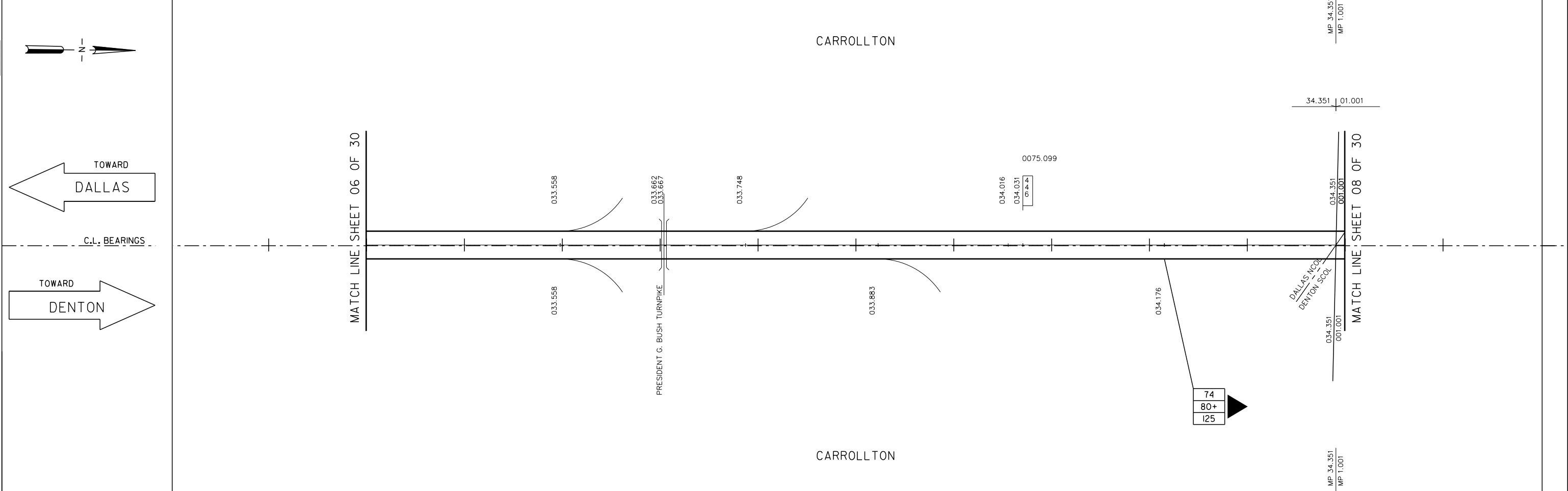


SPEED STUDY
 DALLAS/DENTON COUNTY
 IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	4.091 MILES
ZONE SPEEDS (M.P.H.)	65 MPH



ZONE SPEEDS (M.P.H.)	65 MPH	70 MPH
ZONE LENGTHS (MILES)	4.091 MILES	0.643 MILES
ACCIDENTS		
R.O.W. AND RDBD. WIDTH		
SURFACE WIDTH AND TYPE	3 LANES	
GRADES OVER 3%		
CURVES OVER 2°		
BALL BANK OR ADVISORY SPEED		
RES. SIGHT DISTANCE		
DEVELOPMENT	CONTROLLED ACCESS	

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

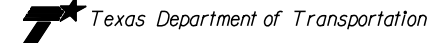
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



GUNDA CORPORATION
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TBPE Registration Number: F-3531

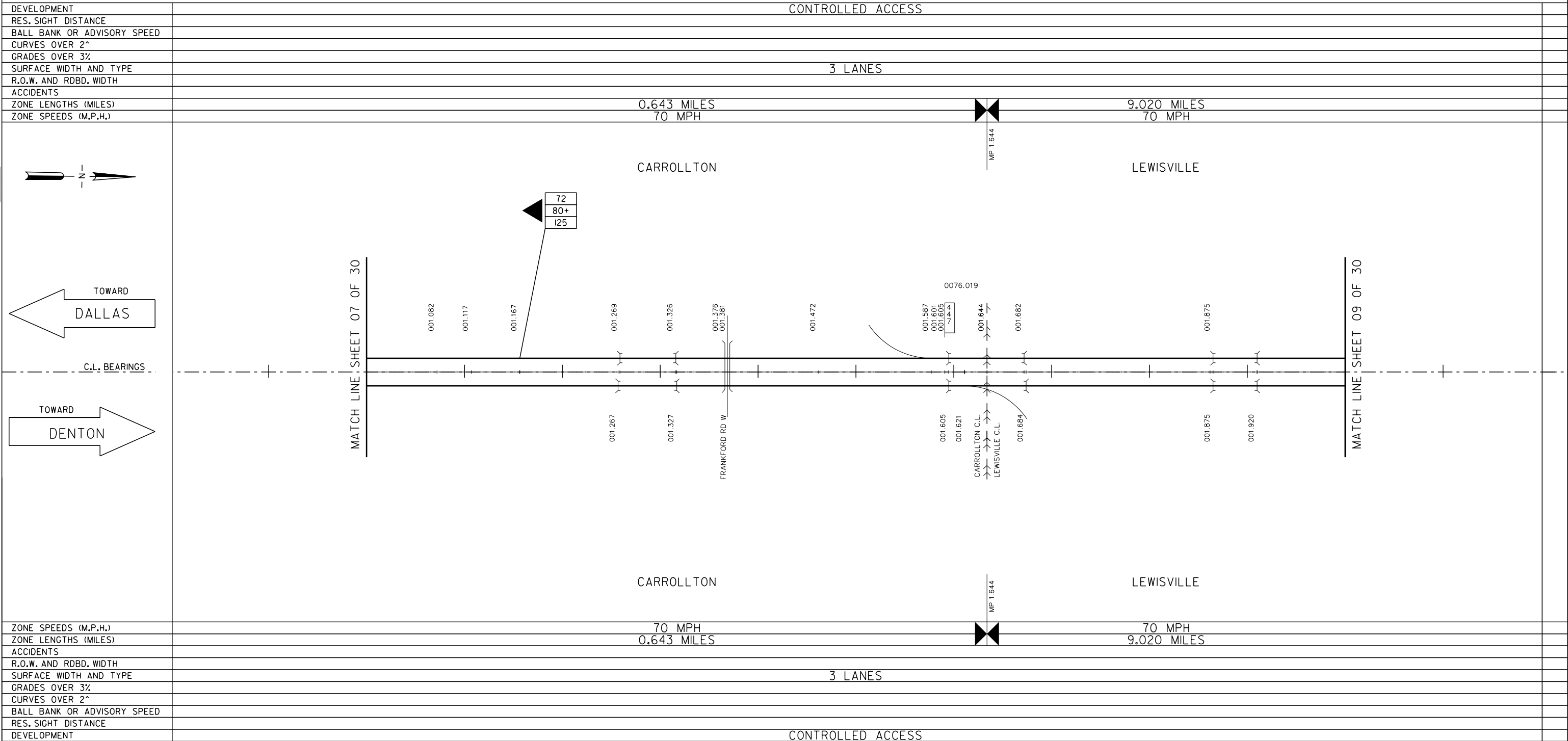


Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			07
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES




DEVELOPMENT	CONTROLLED ACCESS		
RES. SIGHT DISTANCE			
BALL BANK OR ADVISORY SPEED			
CURVES OVER 2°			
GRADES OVER 3%			
SURFACE WIDTH AND TYPE	3 LANES		
R.O.W. AND RDBD. WIDTH			
ACCIDENTS			
ZONE LENGTHS (MILES)	0.643 MILES	9.020 MILES	
ZONE SPEEDS (M.P.H.)	70 MPH	70 MPH	
DISTRICT: DALLAS COUNTY: DALLAS/DENTON HIGHWAY: IH 35E/35 MAIN LANES CITY: VARIOUS DATE OF STUDY 09-27-2017 SCALE 1" = 0.1 MILES			
MINUTE NO.:		DATE / /	
REPLACES:		DATE / /	
REPLACED BY:		DATE / /	
CANCELLED BY:		DATE / /	
LIMITS OF ZONE			
SECTION ONE		SECTION TWO	
STA. OR M.P.	LENGTH	STA. OR M.P.	LENGTH
CONT. AND SECT.	MILES	CONT. AND SECT.	MILES
PROJECT	()	PROJECT	()
BEGINS	0 + 00	BEGINS	+
MP		MP	
ENDS	0 + 00	ENDS	+
MP		MP	

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

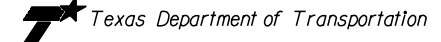
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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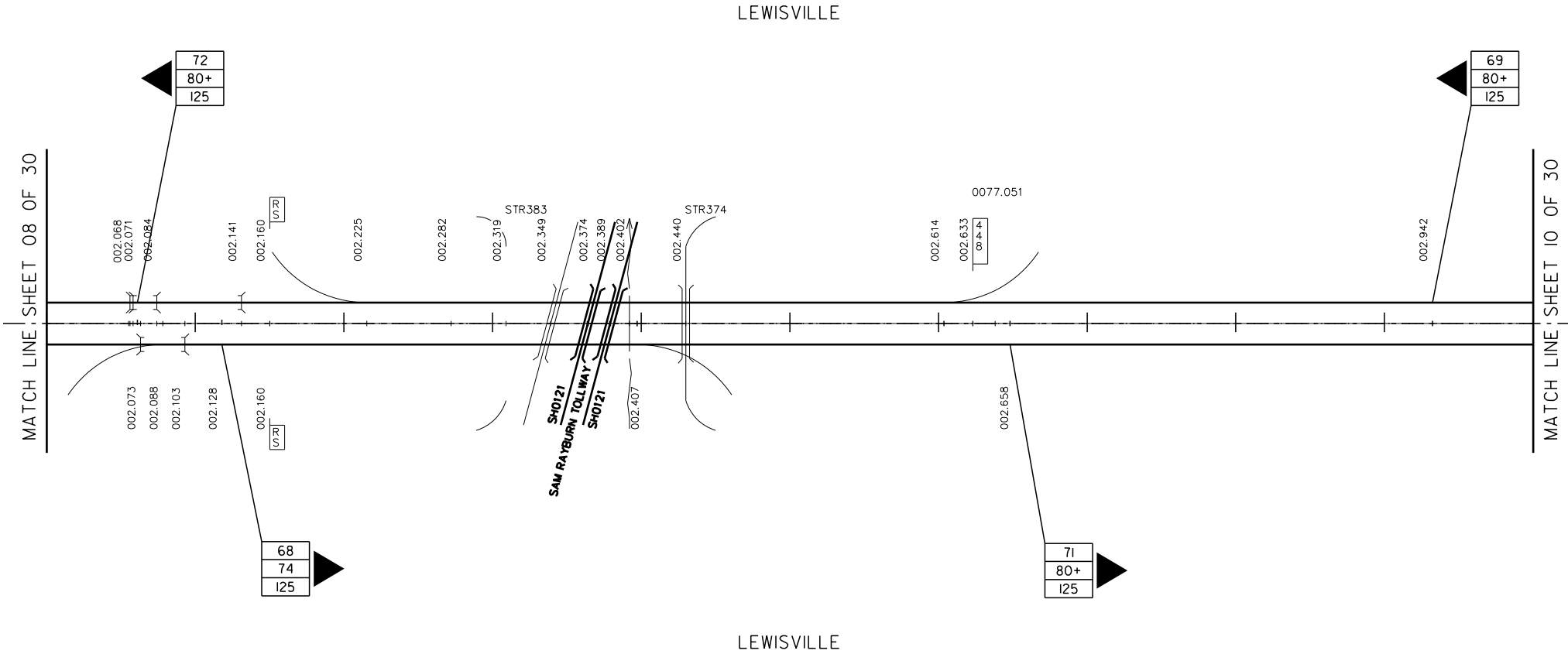
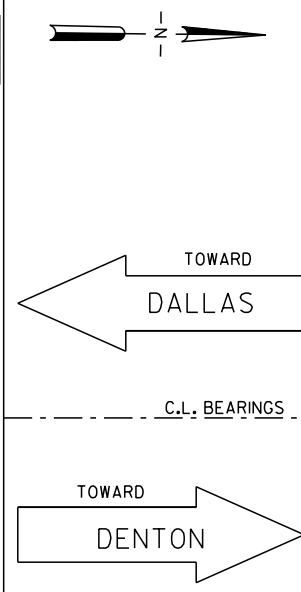
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			08
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2"	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	3 LANES
GRADES OVER 3%	
CURVES OVER 2"	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
MP			MP			
ENDS 0 + 00	-	()	ENDS +	-	()	
MP			MP			

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

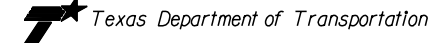
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
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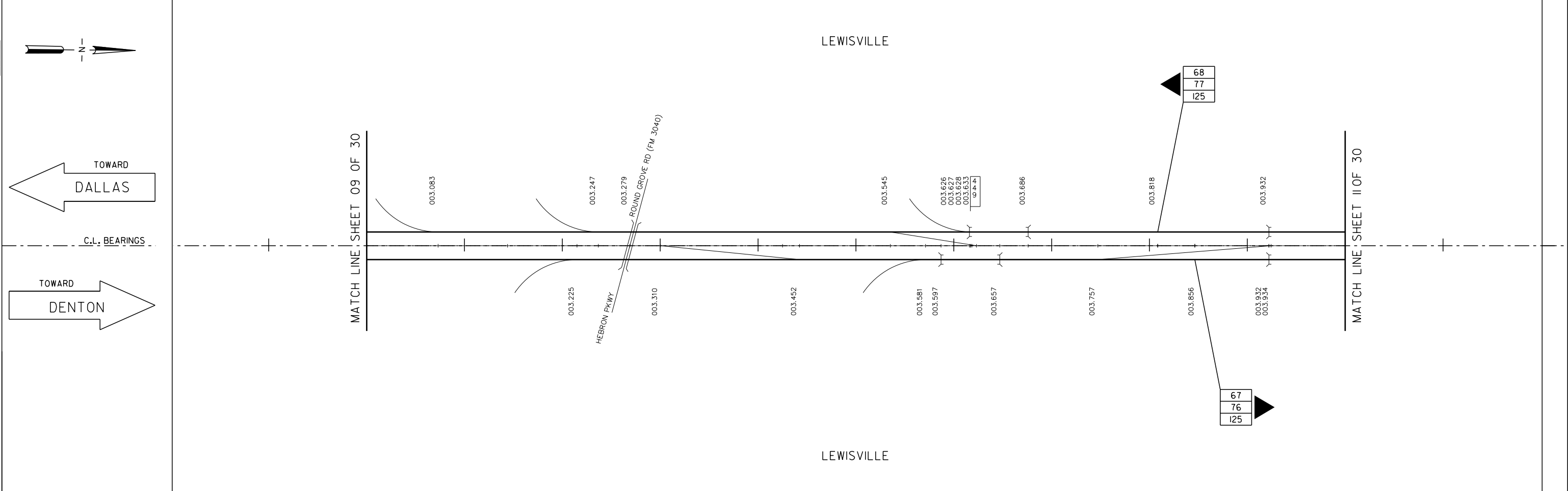
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			09
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2"	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	3 LANES 4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE						
SECTION ONE			SECTION TWO			
STA. OR M.P.	LENGTH	MILES	STA. OR M.P.	LENGTH	MILES	PROJECT
BEGINS 0 + 00	-	()	BEGINS +	-	()	
ENDS 0 + 00	-	()	ENDS +	-	()	

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN

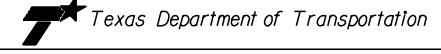
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
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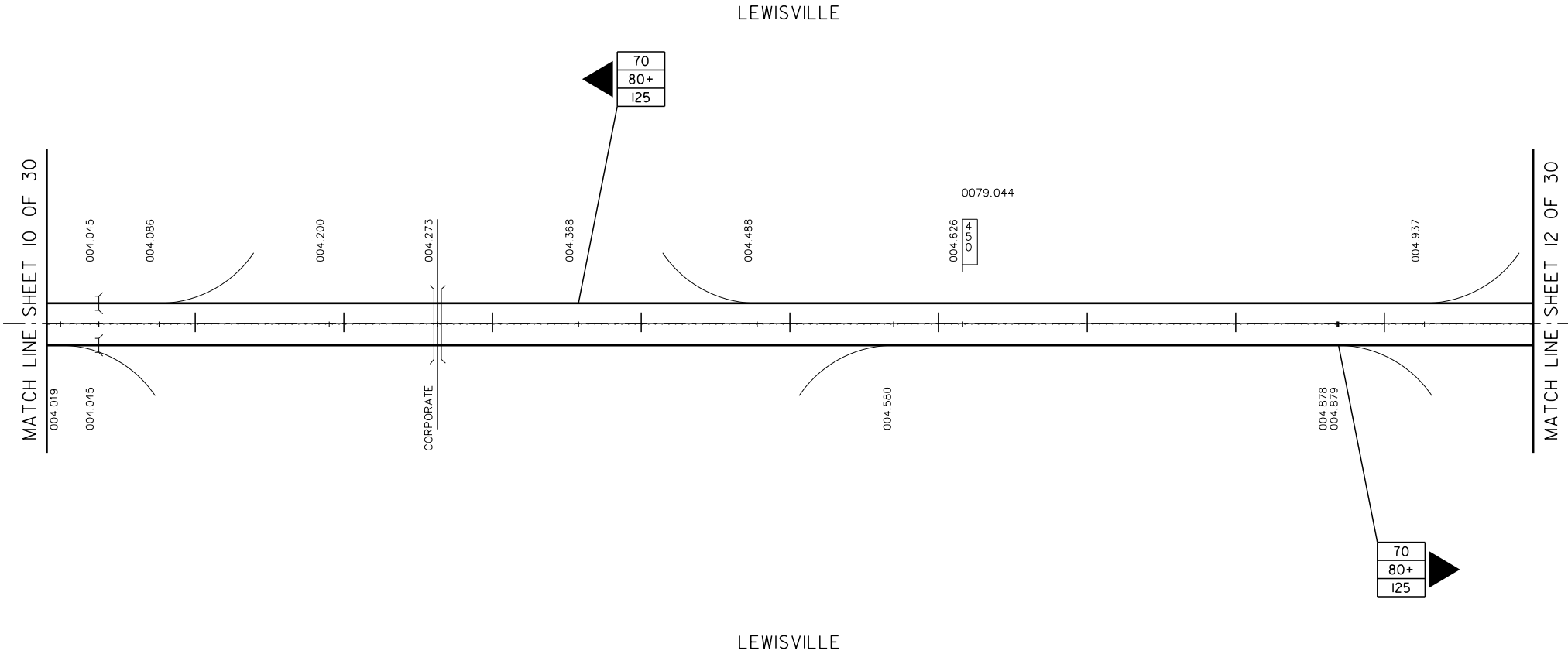
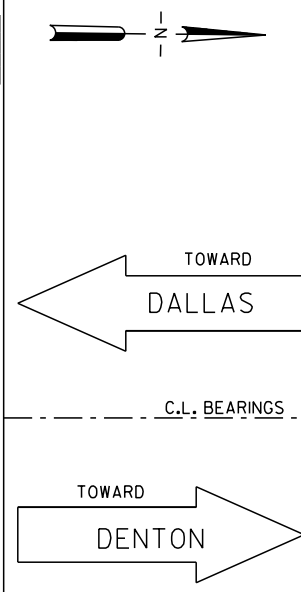
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			10
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	4 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

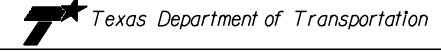
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
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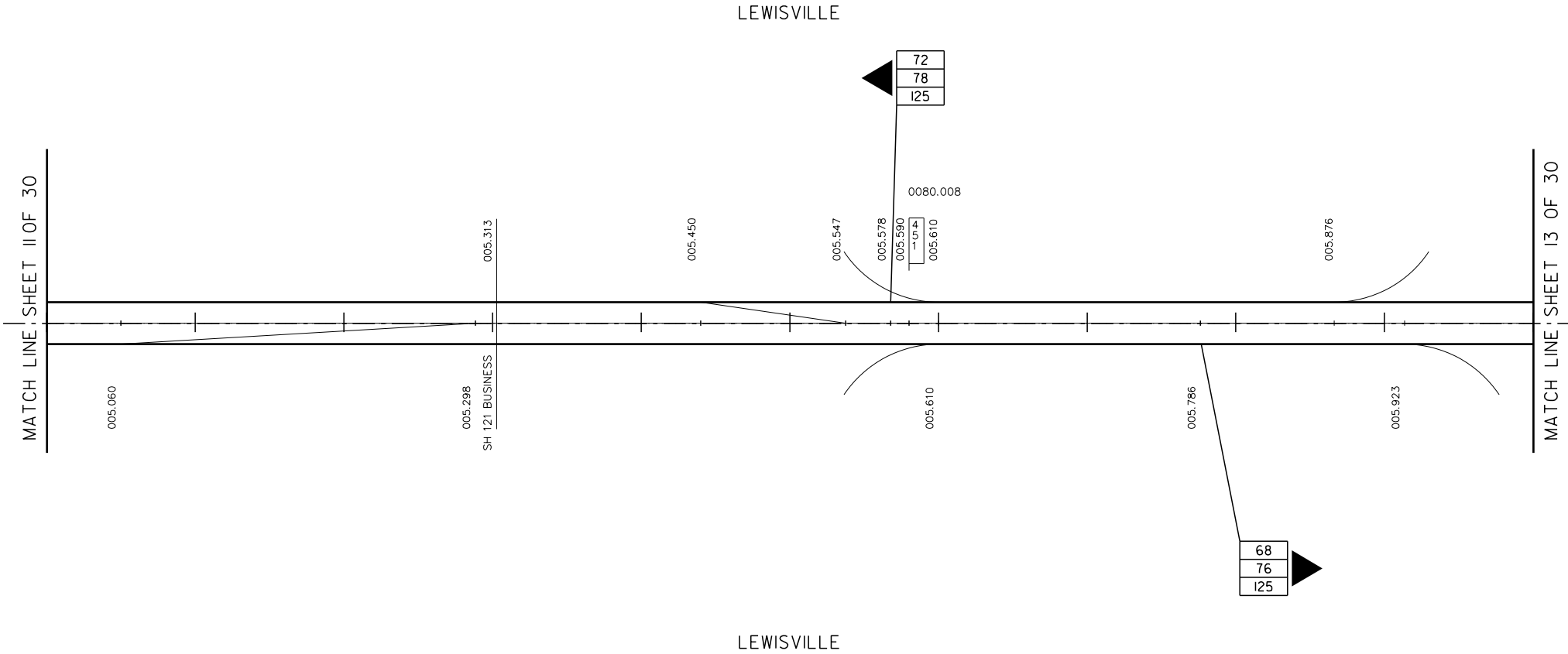
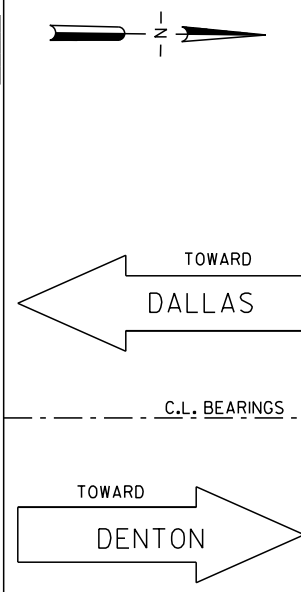
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			II
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	4 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

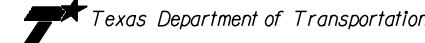
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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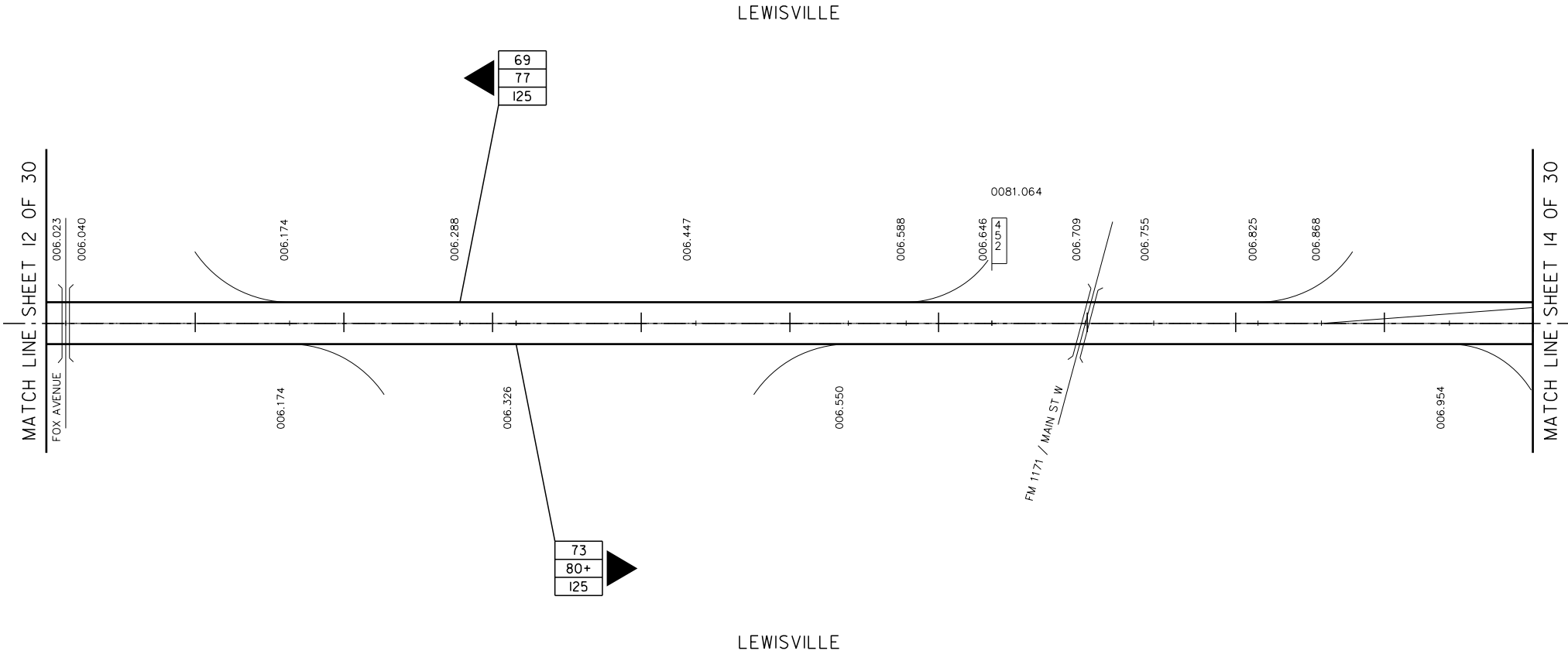
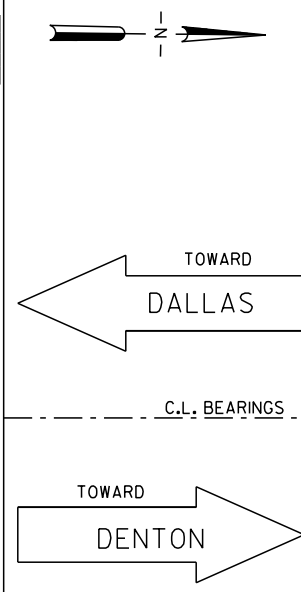
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			12
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	4 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

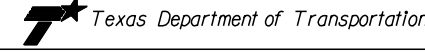
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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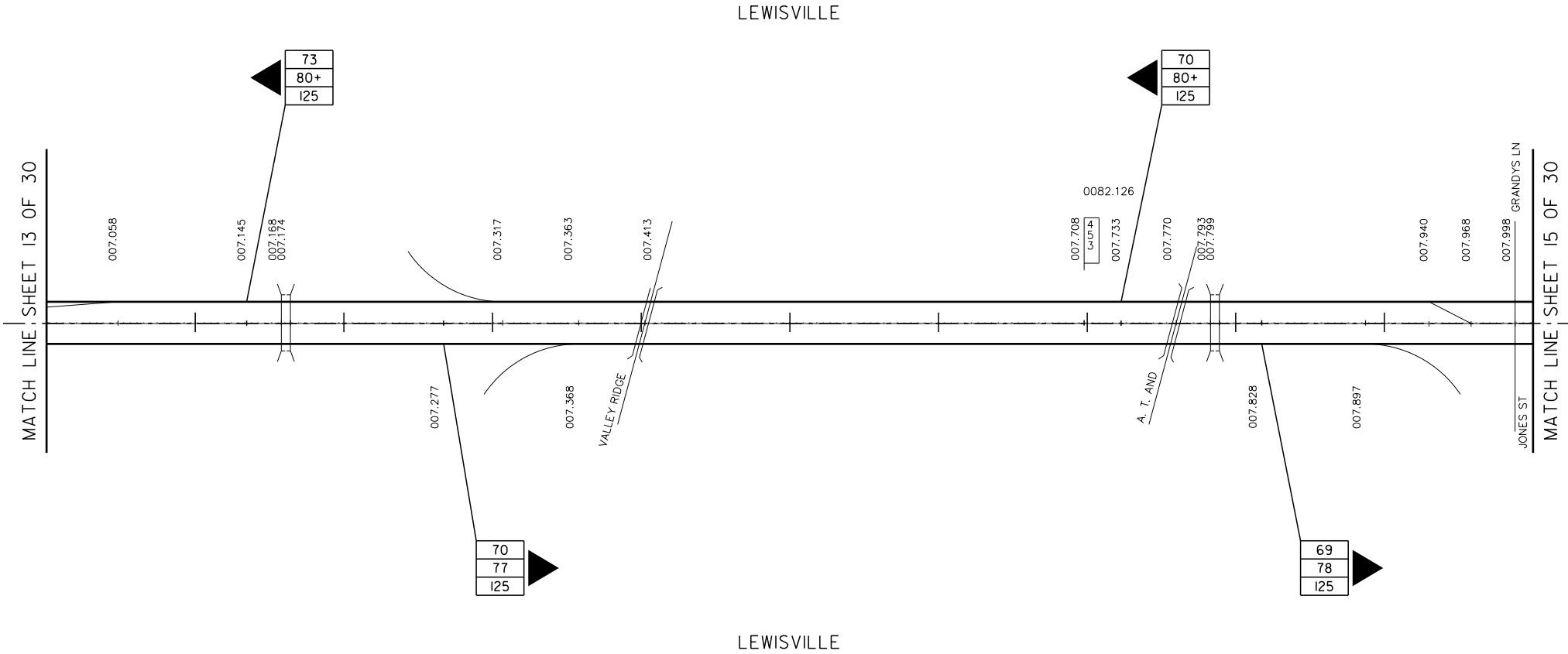
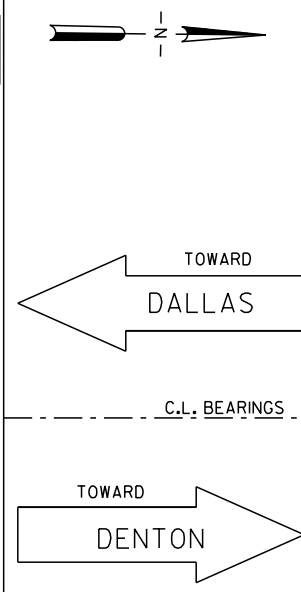


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	4 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	MILES	BEGINS	STA. OR M.P.	LENGTH	MILES
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

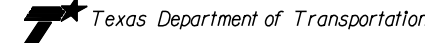
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
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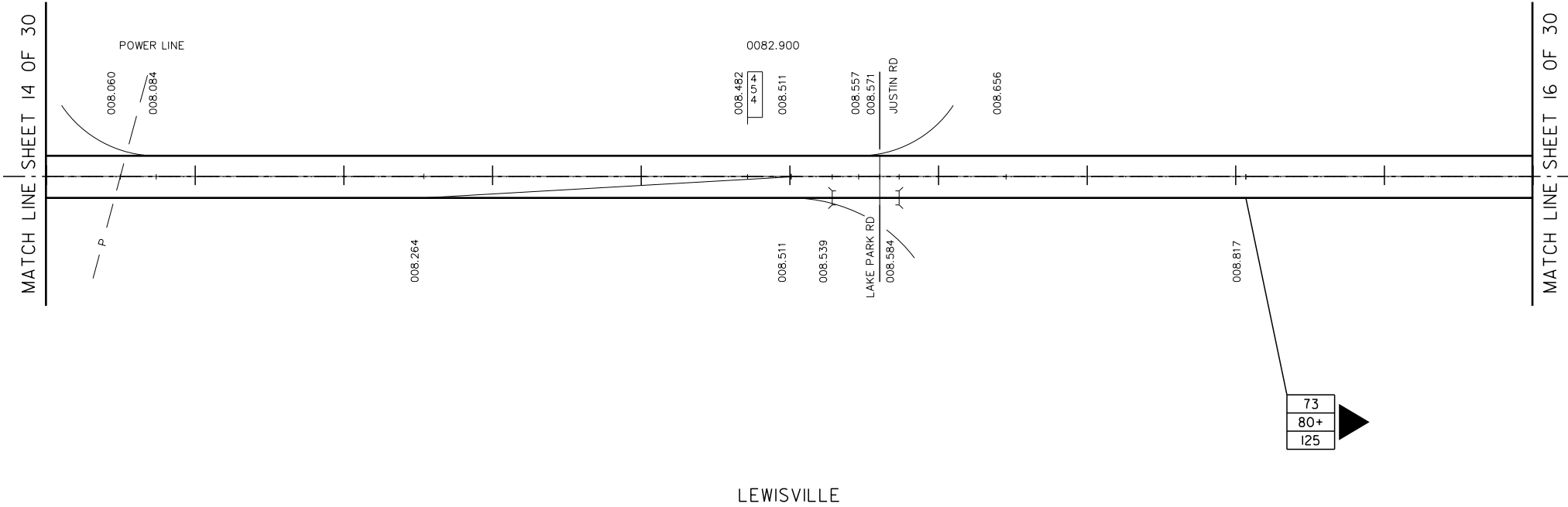
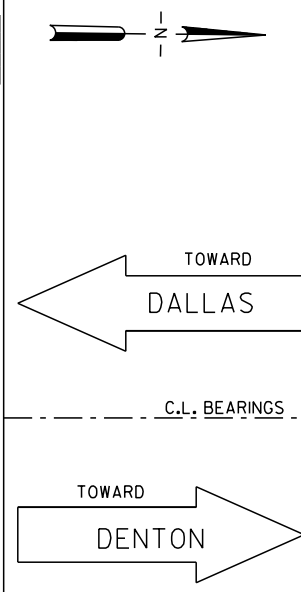
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			14
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. / HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	4 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

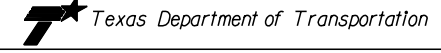
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



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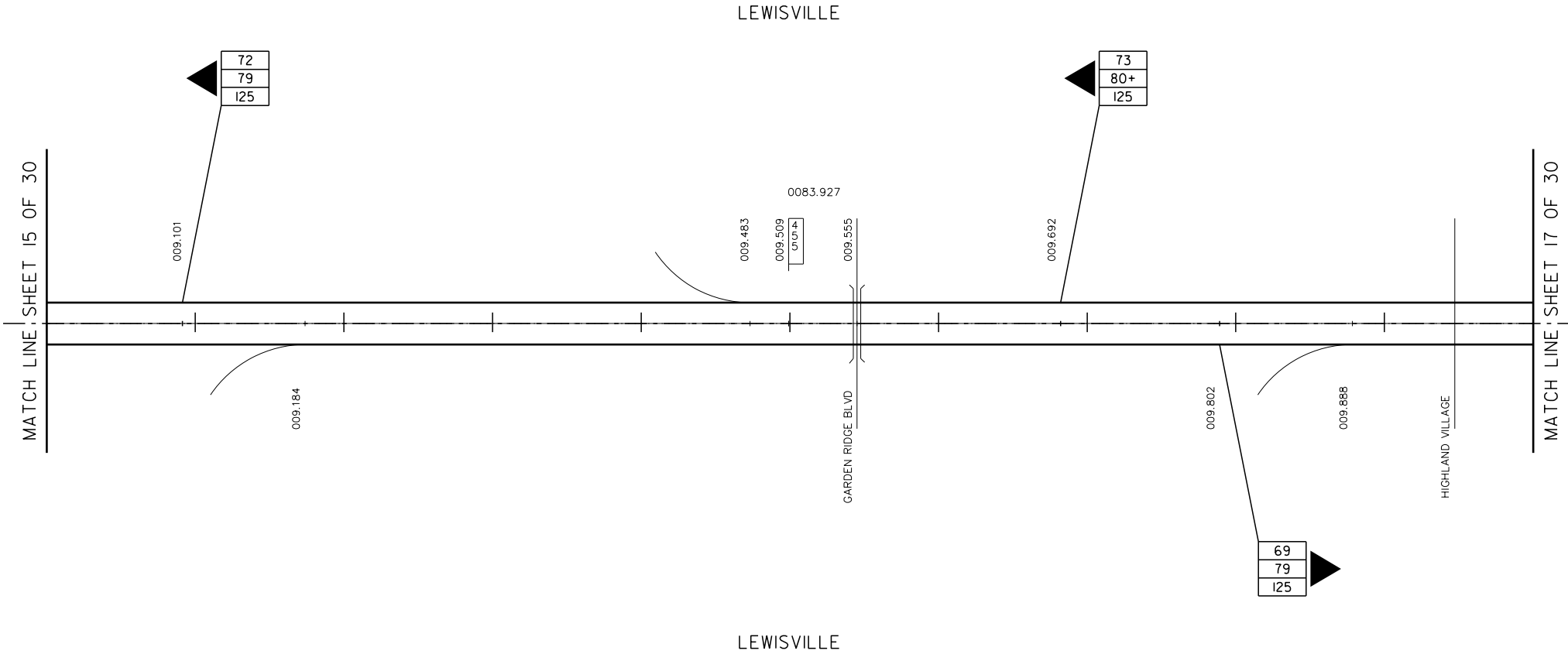
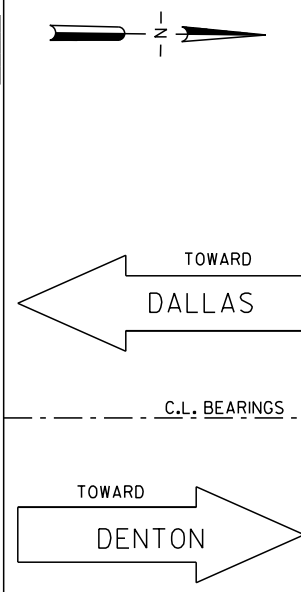
Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	CONTROLLED ACCESS
RES. SIGHT DISTANCE	
BALL BANK OR ADVISORY SPEED	
CURVES OVER 2°	
GRADES OVER 3%	
SURFACE WIDTH AND TYPE	4 LANES
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	9.020 MILES
ZONE SPEEDS (M.P.H.)	70 MPH



ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.020 MILES
ACCIDENTS	
R.O.W. AND RDBD. WIDTH	
SURFACE WIDTH AND TYPE	4 LANES
GRADES OVER 3%	
CURVES OVER 2°	
BALL BANK OR ADVISORY SPEED	
RES. SIGHT DISTANCE	
DEVELOPMENT	CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO.:	DATE / /
HIGHWAY: IH 35E/35 MAIN LANES	CITY: VARIOUS	REPLACES:	DATE / /
DATE OF STUDY 09-27-2017	SCALE 1" = 0.1 MILES	REPLACED BY:	DATE / /
		CANCELLED BY:	DATE / /


LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	MILES
BEGINS	0 + 00	-	()	BEGINS	+	-	()
	MP				MP		
ENDS	0 + 00	-	()	ENDS	+	-	()
	MP				MP		

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- TRIAL RUN

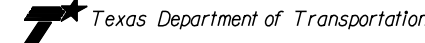
SPEED ZONE

- CONT. 0196 SEC. 03
- CONT. 0196 SEC. 02
- CONT. 0196 SEC. 01
- CONT. 0195 SEC. 03

LIMITS: FROM IH 635
TO US 380 / UNIVERSITY DR



GUNDA CORPORATION
Engineers, Planners & Managers
6161 Savoy, Suite 550
Houston, Texas 77036
713.561.3530 • www.gundacorp.com
TBPE Registration Number: F-3531

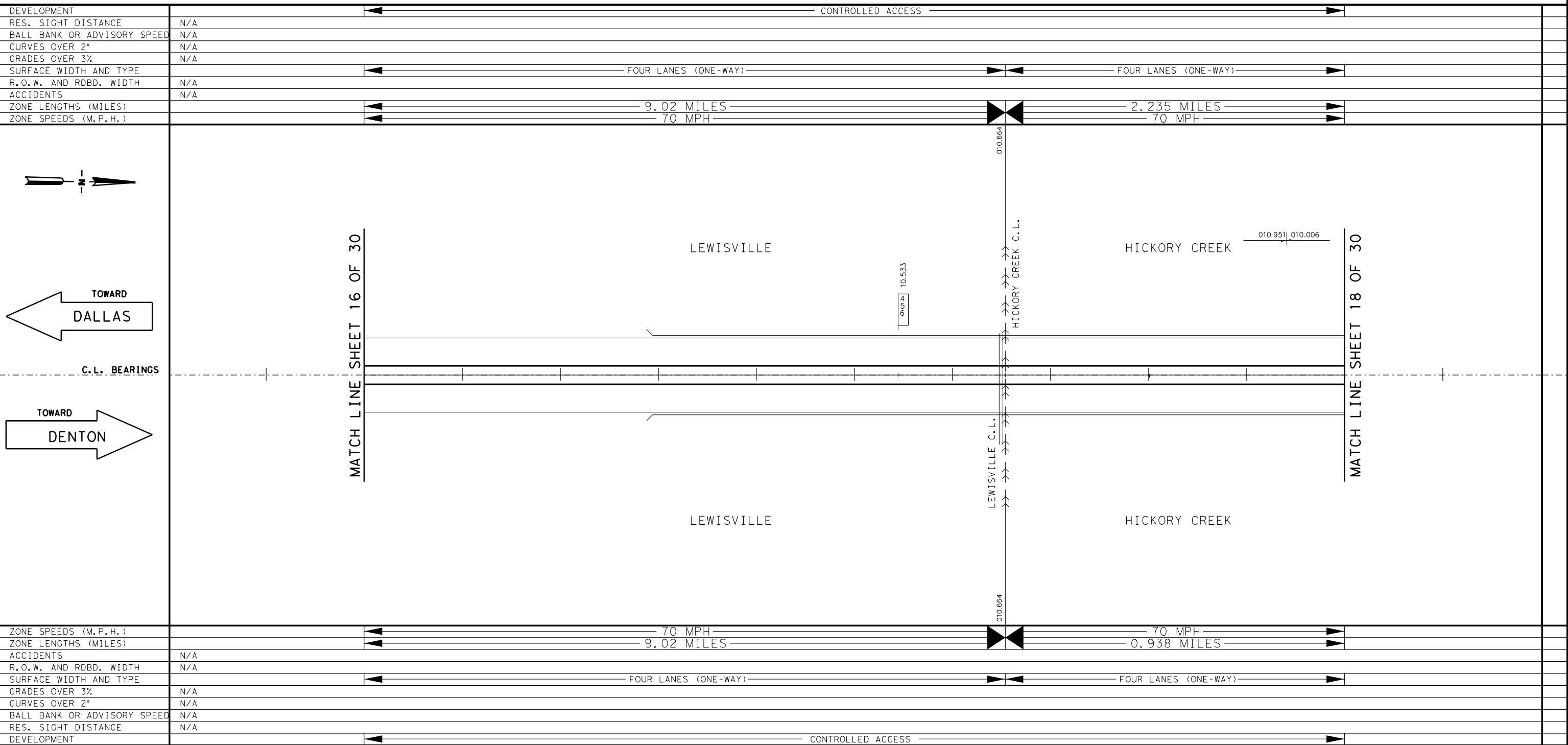


Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES



DEVELOPMENT	
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	FOUR LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	9.02 MILES
ZONE SPEEDS (M.P.H.)	70 MPH

ZONE SPEEDS (M.P.H.)	70 MPH
ZONE LENGTHS (MILES)	9.02 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	FOUR LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1301 MCKINNEY STREET, SUITE 1100
 HOUSTON, TEXAS 77010
 PHONE: 713.630.300 FAX: 713.630.7996

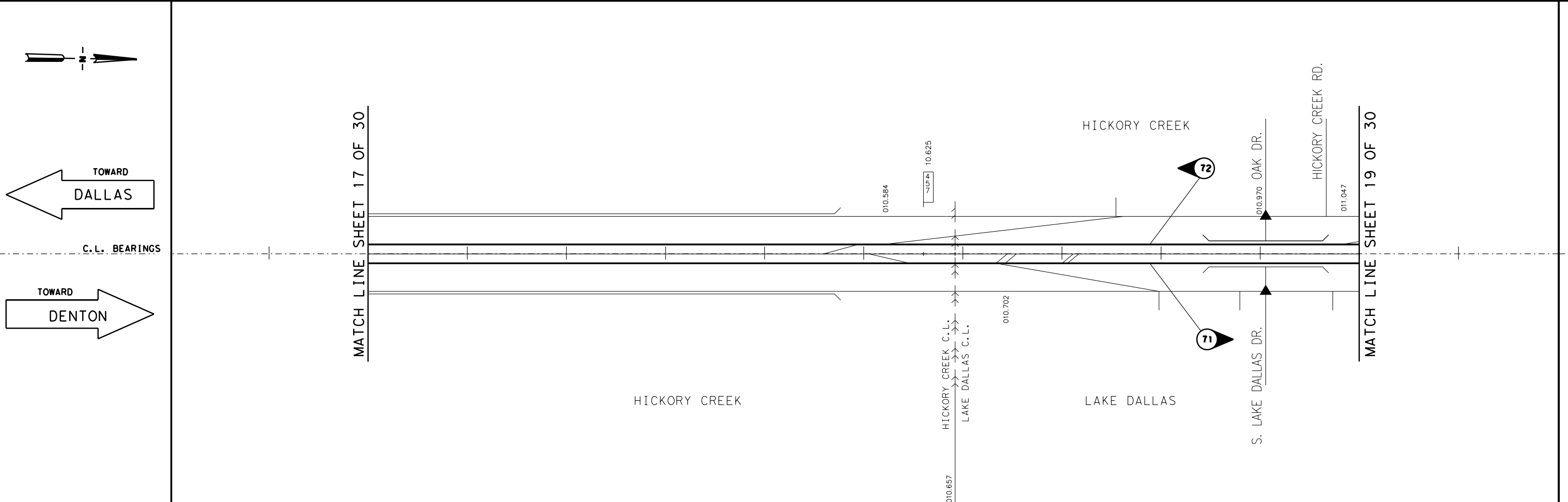


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	17
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— FOUR LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 2.235 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→
ZONE LENGTHS (MILES)	←————— 0.938 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— FOUR LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLED ACCESS —————→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH	MILES	BEGINS	STA. OR M.P.
	0 + 00	- - - - -	()				+ - - - -
	MP					MP	
ENDS	0 + 00	- - - - -	()			ENDS	+ - - - -
	MP					MP	

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
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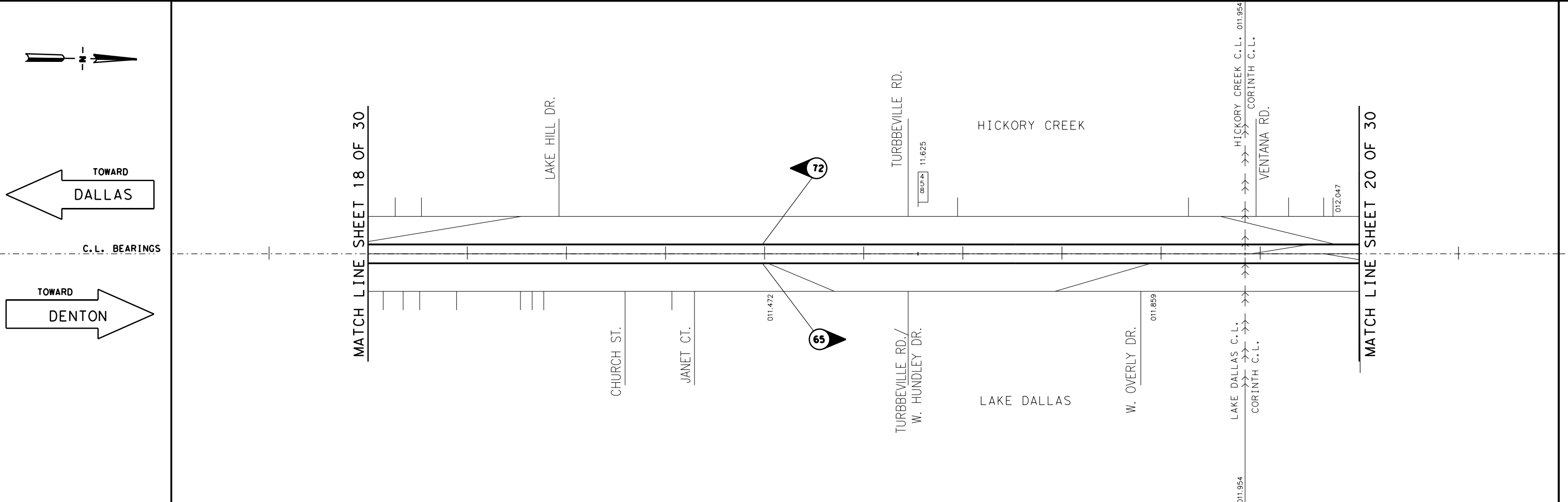


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	18
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— FOUR LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	←————— FOUR LANES (ONE-WAY) —————→
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 2.235 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→
	←————— 3.156 MILES —————→
	←————— 65 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→
ZONE LENGTHS (MILES)	←————— 1.297 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— FOUR LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLED ACCESS —————→
	←————— 3.156 MILES —————→
	←————— 65 MPH —————→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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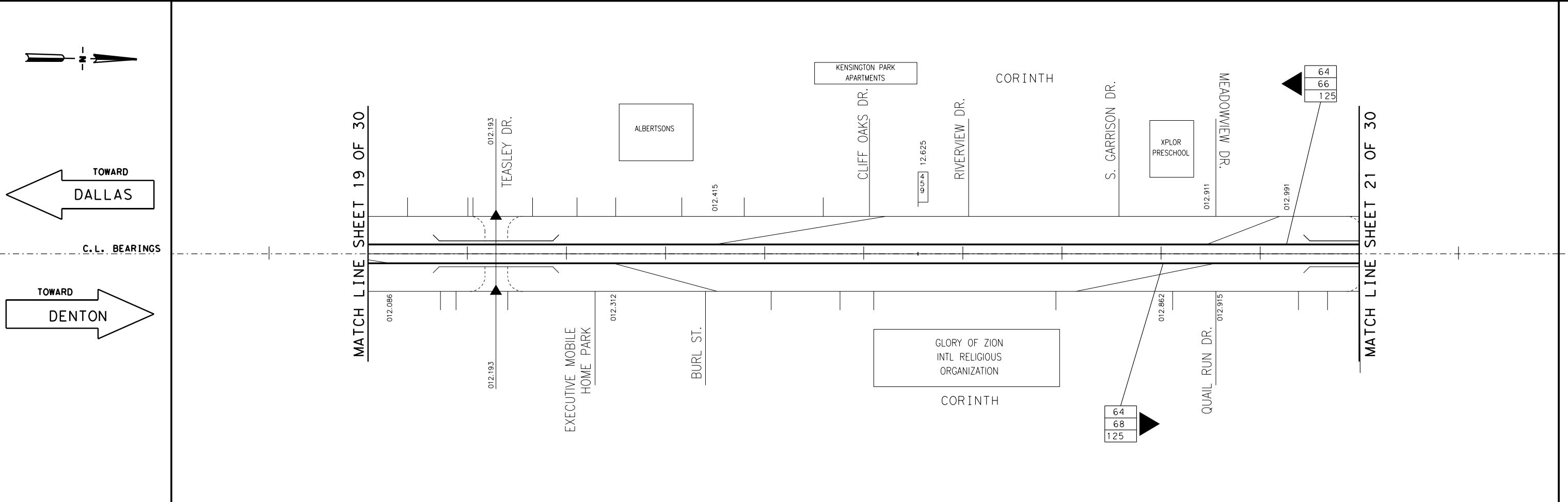


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	19
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— FOUR LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 3.156 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 65 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 65 MPH —————→
ZONE LENGTHS (MILES)	←————— 3.156 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— FOUR LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLED ACCESS —————→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STATION	CONT.	SECT.	PROJECT	STATION	CONT.	SECT.	PROJECT
BEGINS 0+00	-	-	()	BEGINS +	-	-	()
ENDS 0+00	-	-	()	ENDS +	-	-	()

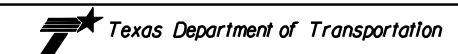
- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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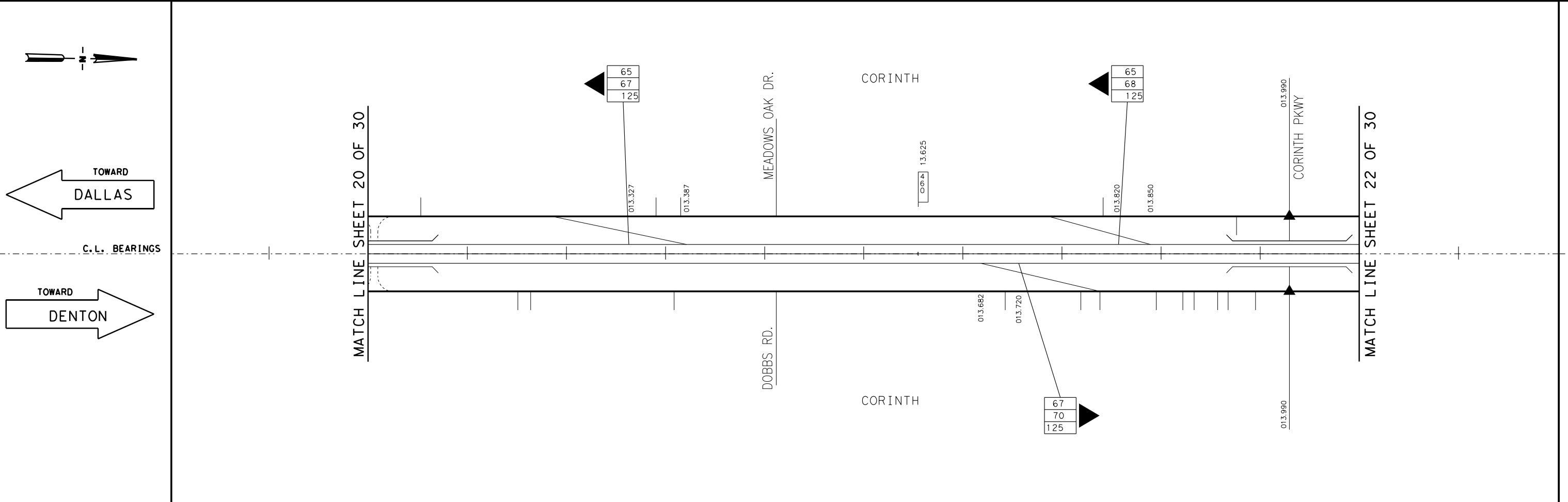


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	20
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←	CONTROLLED ACCESS	→
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	←	FOUR LANES (ONE-WAY)	→
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	←	3.156 MILES	→
ZONE SPEEDS (M.P.H.)	←	65 MPH	→



ZONE SPEEDS (M.P.H.)	←	65 MPH	→
ZONE LENGTHS (MILES)	←	3.156 MILES	→
ACCIDENTS	N/A		
R.O.W. AND RDBD. WIDTH	N/A		
SURFACE WIDTH AND TYPE	←	FOUR LANES (ONE-WAY)	→
GRADES OVER 3%	N/A		
CURVES OVER 2°	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
RES. SIGHT DISTANCE	N/A		
DEVELOPMENT	←	CONTROLLED ACCESS	→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STATION	CONT.	AND SECT.	PROJECT	STATION	CONT.	AND SECT.	PROJECT
BEGINS	0 + 00	-	()	BEGINS	+	-	()
ENDS	0 + 00	-	()	ENDS	+	-	()

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
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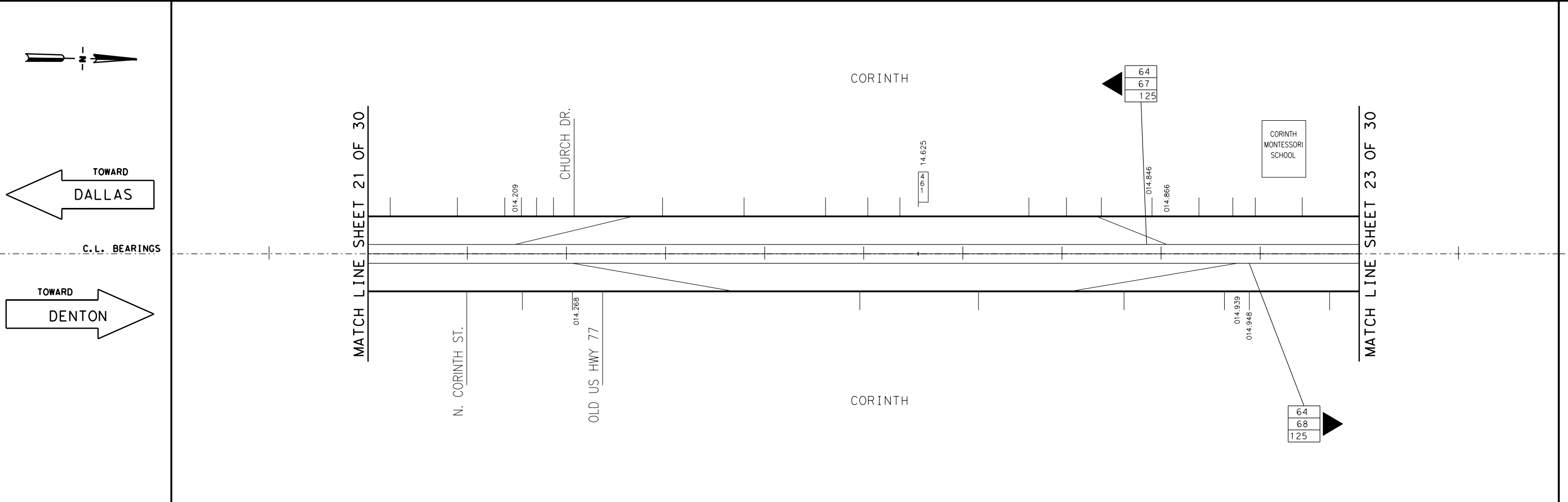


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	21
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←	CONTROLLED ACCESS	→
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	←	FOUR LANES (ONE-WAY)	→
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	←	3.156 MILES	→
ZONE SPEEDS (M.P.H.)	←	65 MPH	→



DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH MILES
BEGINS	0 + 00	-	()	BEGINS	+ -	-	()
ENDS	0 + 00	-	()	ENDS	+ -	-	()

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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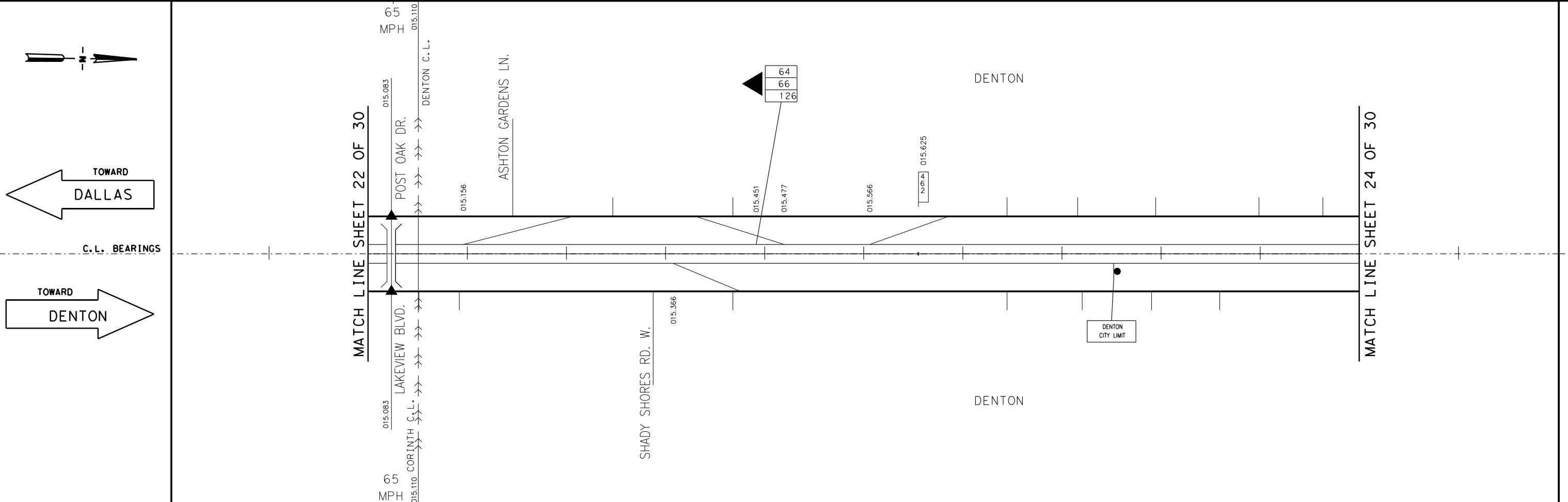


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	22
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	← CONTROLLED ACCESS →
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	← FOUR LANES (ONE-WAY) →
R.O.W. AND RDBD. WIDTH	← THREE LANES (ONE-WAY) →
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	← 3.156 MILES →
ZONE SPEEDS (M.P.H.)	← 65 MPH →



ZONE SPEEDS (M.P.H.)	← 65 MPH →
ZONE LENGTHS (MILES)	← 2.304 MILES →
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	← FOUR LANES (ONE-WAY) →
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	← CONTROLLED ACCESS →

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ + + + +	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ + + + +	- - - - -	()
	MP				MP		

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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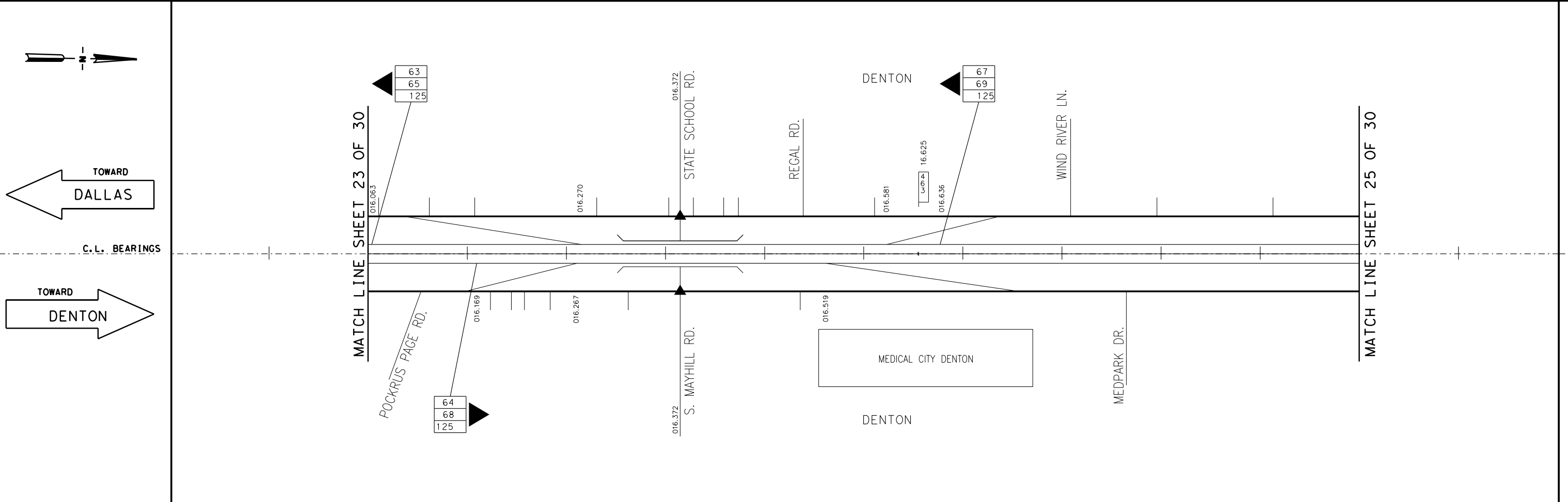


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	23
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←	CONTROLLED ACCESS	→
RES. SIGHT DISTANCE	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
CURVES OVER 2°	N/A		
GRADES OVER 3%	N/A		
SURFACE WIDTH AND TYPE	←	THREE LANES (ONE-WAY)	→
R.O.W. AND RDBD. WIDTH	N/A		
ACCIDENTS	N/A		
ZONE LENGTHS (MILES)	←	2.464 MILES	→
ZONE SPEEDS (M.P.H.)	←	65 MPH	→



ZONE SPEEDS (M.P.H.)	←	65 MPH	→
ZONE LENGTHS (MILES)	←	2.304 MILES	→
ACCIDENTS	N/A		
R.O.W. AND RDBD. WIDTH	N/A		
SURFACE WIDTH AND TYPE	←	THREE LANES (ONE-WAY)	→
GRADES OVER 3%	N/A		
CURVES OVER 2°	N/A		
BALL BANK OR ADVISORY SPEED	N/A		
RES. SIGHT DISTANCE	N/A		
DEVELOPMENT	←	CONTROLLED ACCESS	→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	- - - - -	()		+ - - - -	- - - - -	()
	MP				MP		

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
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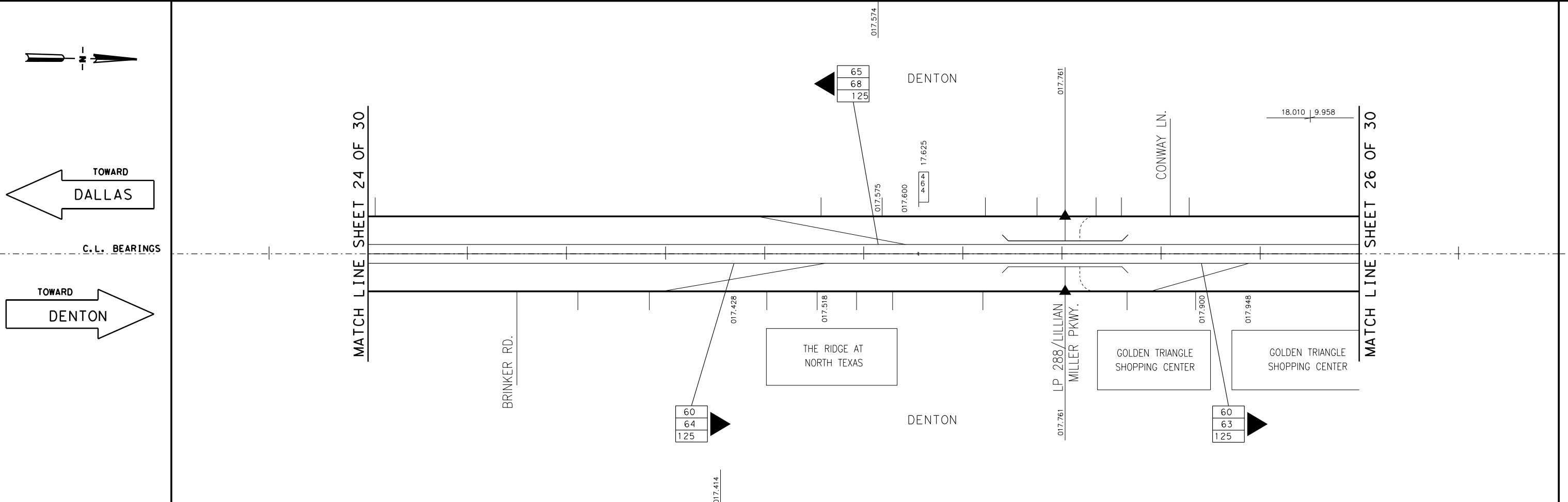


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	24
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	N/A
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 2.464 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 65 MPH —————→
	←————— 1.036 MILES —————→
	←————— 65 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 65 MPH —————→
ZONE LENGTHS (MILES)	←————— 2.304 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLED ACCESS —————→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH MILES	STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH MILES
BEGINS	0 + 00	-	()	BEGINS	+ -	()	()
ENDS	0 + 00	-	()	ENDS	+ -	()	()

- ◀ 42 85 PERCENTILE SPEED
- ◀ 62 TOP SPEED MEASURED
- ◀ 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- ◀ TRIAL RUN
- TURNAROUND
- ≡ BRIDGE/OVERPASS
- ++++ RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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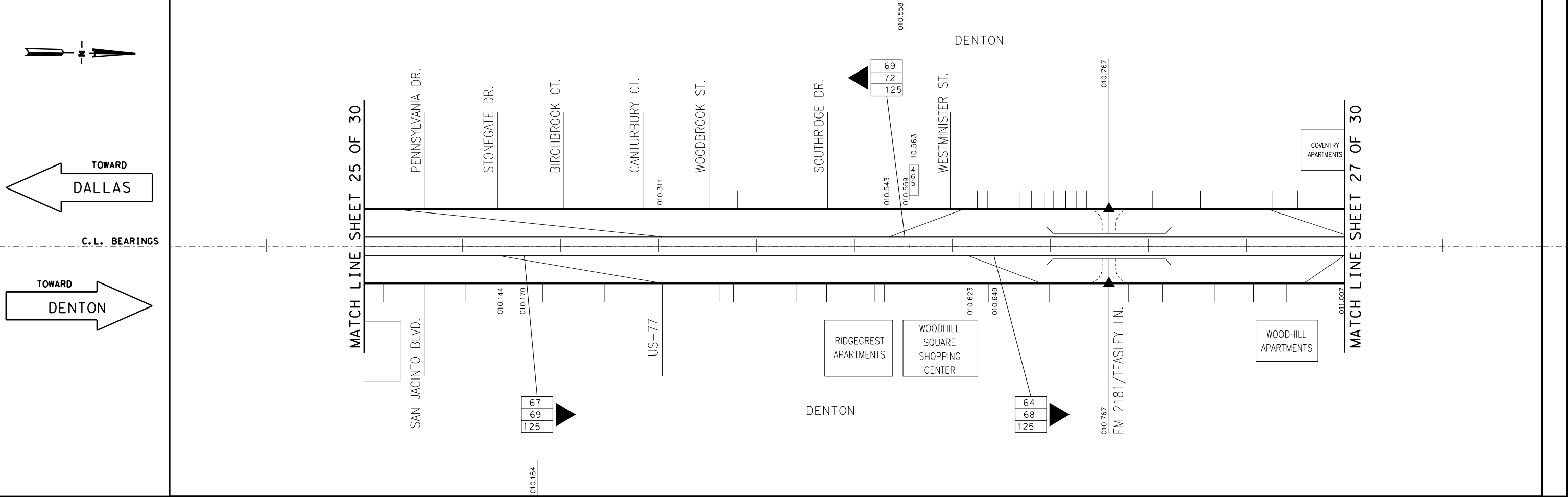


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	25
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLER ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	←————— THREE LANES (ONE-WAY) —————→
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 1.036 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 65 MPH —————→
	←————— 0.716 MILES —————→
	←————— 65 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 65 MPH —————→
ZONE LENGTHS (MILES)	←————— 0.822 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLER ACCESS —————→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. :	DATE
REPLACES :	DATE
REPLACED BY :	DATE
CANCELLED BY :	DATE

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
STATION	CONT.	SECT.	PROJECT	STATION	CONT.	SECT.	PROJECT
BEGINS 0+00	-	()		BEGINS +	-	()	
ENDS 0+00	-	()		ENDS +	-	()	

- 42** 85 PERCENTILE SPEED
- 62** TOP SPEED MEASURED
- 125** NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- ⚡ TRIAL RUN
- TURNAROUND
- ==== BRIDGE/OVERPASS
- ++++ RAILROAD CROSSING

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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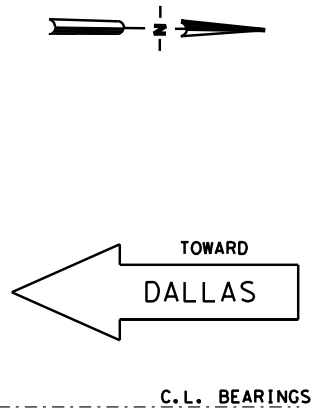
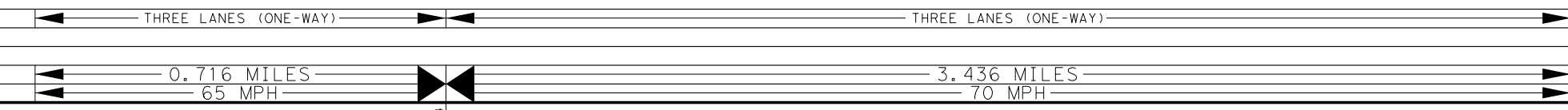
SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	26
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

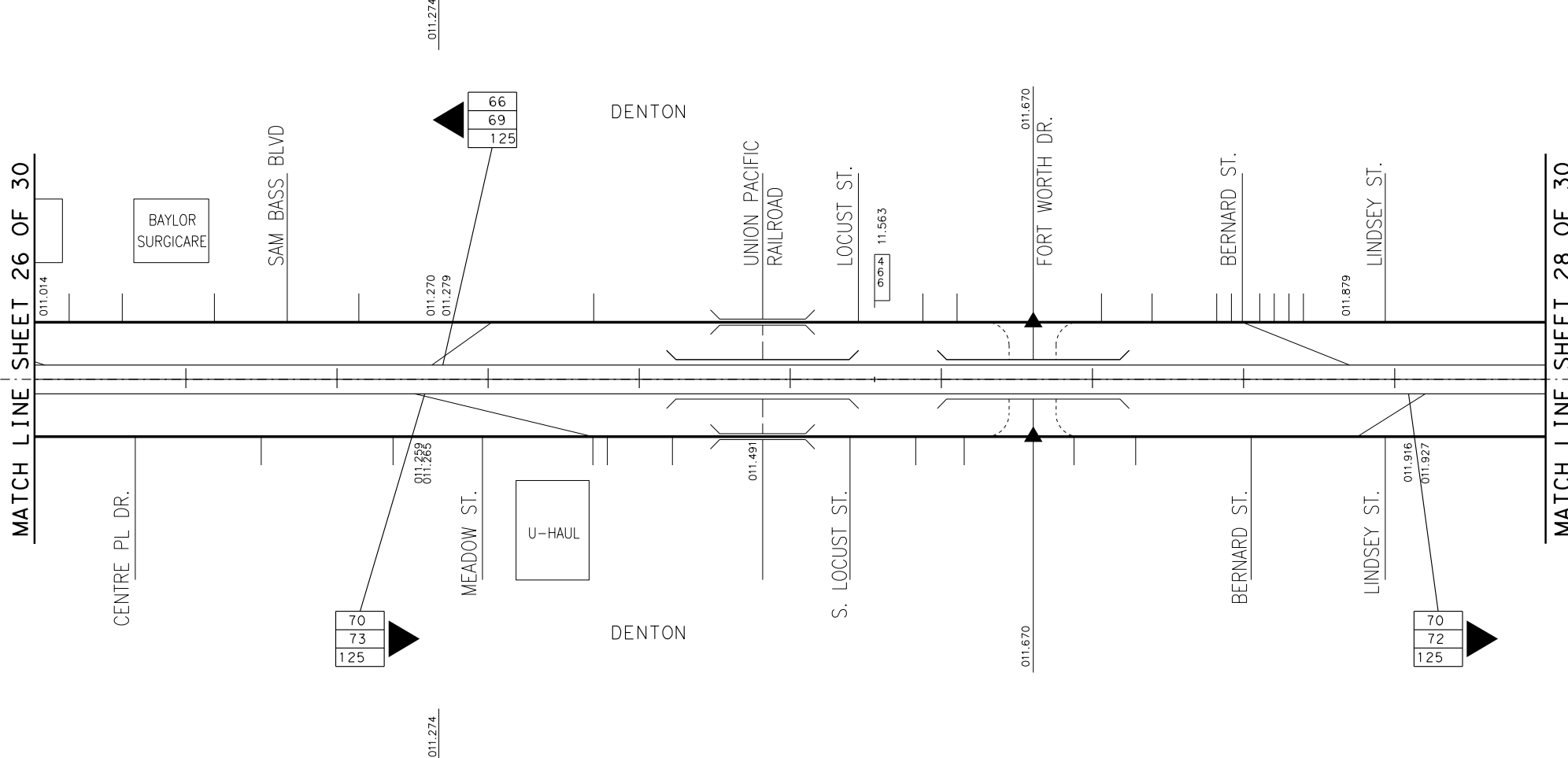
DEVELOPMENT	
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	THREE LANES (ONE-WAY)
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	0.716 MILES
ZONE SPEEDS (M.P.H.)	65 MPH

CONTROLLED ACCESS



MATCH LINE SHEET 26 OF 30

MATCH LINE SHEET 28 OF 30



ZONE SPEEDS (M.P.H.)	65 MPH
ZONE LENGTHS (MILES)	1.090 MILES
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	THREE LANES (ONE-WAY)
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	

CONTROLLED ACCESS

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON
HIGHWAY: IH 35E MAIN LANES	CITY: VARIOUS
DATE OF STUDY 8-22-2017	SCALE 1" = 0.1 MILES

MINUTE NO. :	DATE
REPLACES :	DATE
REPLACED BY :	DATE
CANCELLED BY :	DATE

LIMITS OF ZONE					
SECTION ONE			SECTION TWO		
STA. OR M.P.	CONT. AND SECT.	PROJECT	STA. OR M.P.	CONT. AND SECT.	PROJECT
BEGINS	0 + 00	()	BEGINS	+ - - -	()
ENDS	0 + 00	()	ENDS	+ - - -	()

- 85 PERCENTILE SPEED
TOP SPEED MEASURED
NUMBER OF CARS CHECKED
- FATAL ACCIDENT
PERSONAL INJURY ACCIDENT
PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196	SEC. 03
CONT. 0196	SEC. 02
CONT. 0196	SEC. 01
CONT. 0195	SEC. 03

LIMITS: FROM IH 635
TO TO US 380
/W UNIVERSITY DR

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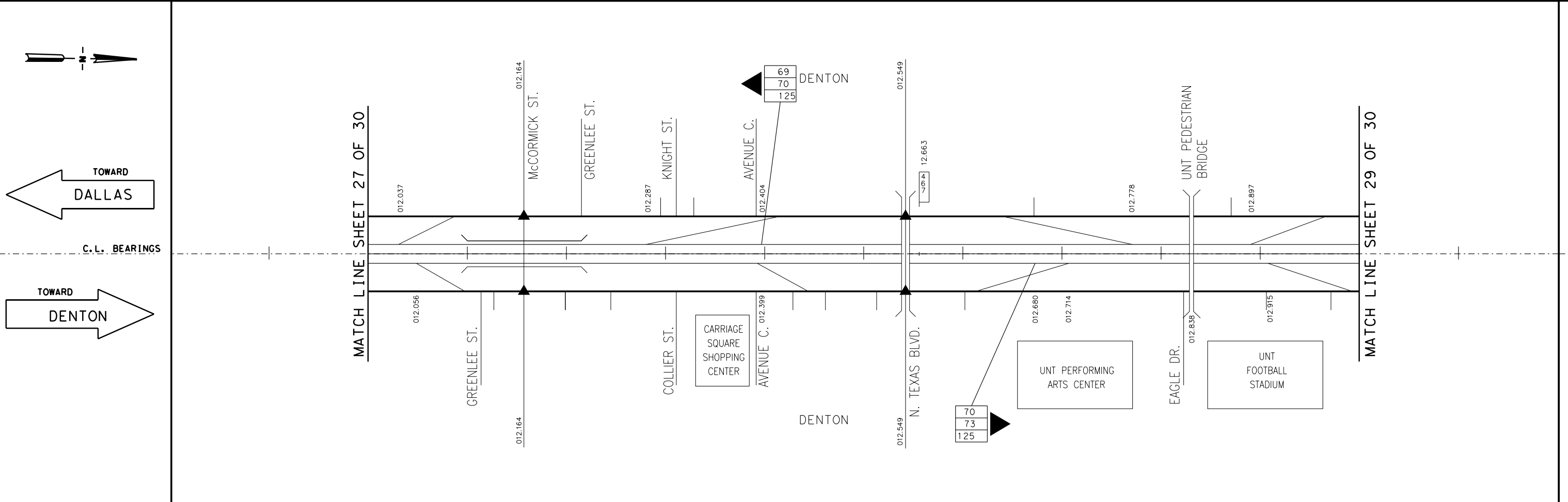


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE	STATE DIST. NO.	COUNTY
			27
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 3.436 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→
ZONE LENGTHS (MILES)	←————— 3.436 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLED ACCESS —————→

DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ____/____/____
 REPLACES : _____ DATE ____/____/____
 REPLACED BY : _____ DATE ____/____/____
 CANCELLED BY : _____ DATE ____/____/____

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00	-	()		+	-	()
	MP				MP		

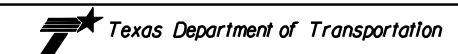
- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

WALTER P MOORE
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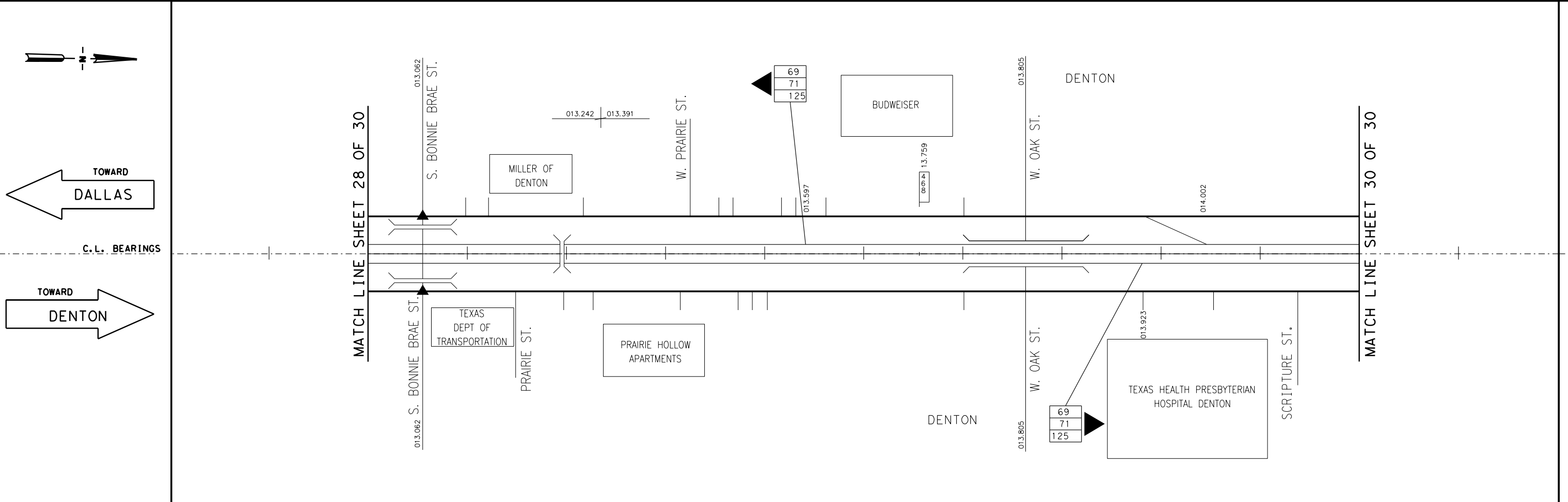


SPEED STUDY DALLAS/DENTON COUNTY IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	28
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	N/A
ZONE LENGTHS (MILES)	←————— 3.436 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→



DISTRICT: DALLAS COUNTY: DALLAS/DENTON
 HIGHWAY: IH 35E MAIN LANES CITY: VARIOUS
 DATE OF STUDY 8-22-2017 SCALE 1" = 0.1 MILES

MINUTE NO. : _____ DATE ___/___/___
 REPLACES : _____ DATE ___/___/___
 REPLACED BY : _____ DATE ___/___/___
 CANCELLED BY : _____ DATE ___/___/___

LIMITS OF ZONE									
SECTION ONE			LENGTH		SECTION TWO			LENGTH	
			MILES					MILES	
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT		BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	
	0 + 00	- - -	()			+ - -	- - -	()	
	MP					MP			
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT		ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	
	0 + 00	- - -	()			+ - -	- - -	()	
	MP					MP			

- 42 85 PERCENTILE SPEED
- 62 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN
- TURNAROUND
- BRIDGE/OVERPASS
- RAILROAD CROSSING

SPEED ZONE
 CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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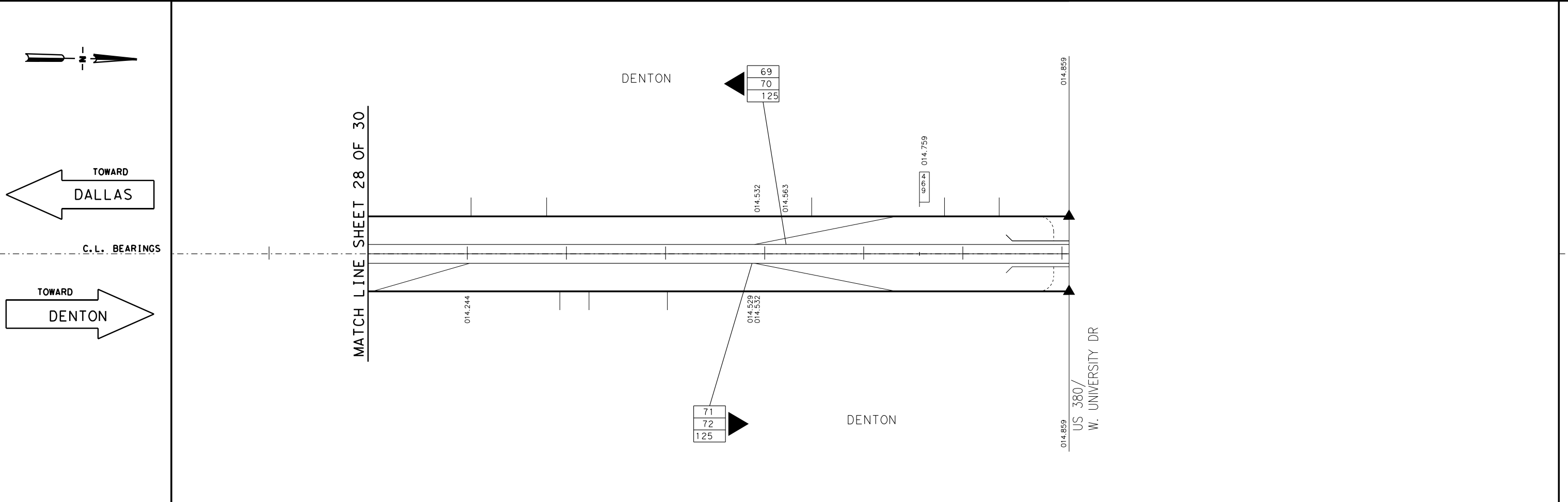


SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
	STATE DIST. NO.	COUNTY	29
CHECKED	CONTROL NO.	SECTION NO.	JOB NO. HIGHWAY NO.

IH 35E/35 MAIN LANES

DEVELOPMENT	←————— CONTROLLED ACCESS —————→
RES. SIGHT DISTANCE	N/A
BALL BANK OR ADVISORY SPEED	N/A
CURVES OVER 2°	N/A
GRADES OVER 3%	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
R.O.W. AND RDBD. WIDTH	
ACCIDENTS	
ZONE LENGTHS (MILES)	←————— 3.436 MILES —————→
ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→



ZONE SPEEDS (M.P.H.)	←————— 70 MPH —————→
ZONE LENGTHS (MILES)	←————— 3.436 MILES —————→
ACCIDENTS	N/A
R.O.W. AND RDBD. WIDTH	N/A
SURFACE WIDTH AND TYPE	←————— THREE LANES (ONE-WAY) —————→
GRADES OVER 3%	N/A
CURVES OVER 2°	N/A
BALL BANK OR ADVISORY SPEED	N/A
RES. SIGHT DISTANCE	N/A
DEVELOPMENT	←————— CONTROLLED ACCESS —————→

DISTRICT: DALLAS	COUNTY: DALLAS/DENTON	MINUTE NO. : _____	DATE ___/___/___
HIGHWAY: IH 35E MAIN LANES	CITY: VARIOUS	REPLACES : _____	DATE ___/___/___
DATE OF STUDY 8-22-2017	SCALE 1" = 0.1 MILES	REPLACED BY : _____	DATE ___/___/___
		CANCELLED BY : _____	DATE ___/___/___

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	LENGTH	MILES	BEGINS	STA. OR M.P.
	0 + 00	- - - - -	()				+ - - - -
	MP					MP	
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT			ENDS	STA. OR M.P.
	0 + 00	- - - - -	()				+ - - - -
	MP					MP	

- ◀ **42** 85 PERCENTILE SPEED
- ◀ **62** TOP SPEED MEASURED
- ◀ **125** NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- ▲ SIGNALIZED INTERSECTION
- ◀ TRIAL RUN
- TURNAROUND
- ≡ BRIDGE/OVERPASS
- ++++ RAILROAD CROSSING

SPEED ZONE

CONT. 0196 SEC. 03
 CONT. 0196 SEC. 02
 CONT. 0196 SEC. 01
 CONT. 0195 SEC. 03

LIMITS: FROM IH 635
 TO TO US 380
 /W UNIVERSITY DR

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 PHONE: 713.630.3000 FAX: 713.630.7396

Texas Department of Transportation

SPEED STUDY
DALLAS/DENTON COUNTY
IH 35E/35 MAIN LANES

DESIGN TEAM	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
			30
CHECKED	CONTROL NO.	SECTION NO.	JOB NO.
			HIGHWAY NO.