



DENTON COUNTY
TRANSPORTATION AUTHORITY

1955 Lakeway Dr., # 260, Lewisville, Texas 75057
972.221.4600 | RideDCTA.net

Board of Directors Regular Meeting

July 28, 2016 | 3:00 p.m.*

**or immediately following Board Work Session
scheduled at 1:30 p.m. on July 28, 2016*

CALL TO ORDER

PLEDGE OF ALLEGIANCE TO US AND TEXAS FLAGS

INVOCATION

WELCOME AND INTRODUCTION OF VISITORS

AGENCY AWARDS AND RECOGNITIONS

1. CONSENT AGENDA

- a. Approval of Minutes for the Board Work Session and Regular Meeting on June 23, 2016
- b. Acceptance of Financial Statements – June 2016
- c. Acceptance of Quarterly Investment Report – Q3 FY2016
- d. Approval of Award of Bus Painting and Repair Services for Six Texoma Area Paratransit System (TAPS) Buses with Spectrum Truck Painting, Inc.
- e. Approval of Task Order with HNTB Corporation on the On Call Architectural and Engineering Services for Drainage Flume Repair and Strengthening
- f. Authorize President to Execute an Agreement for Banking and Depository Services with Wells Fargo
- g. Authorize President to Execute a Master Research Agreement with Texas A&M Transportation Institute

2. REGULAR AGENDA

- a. Discussion and Approval of Change Orders to the Alstom Signaling Contract for Positive Train Control

3. Convene Executive Session. The Board may convene the Regular Board Meeting into Closed Executive Session for the following:

- a. As Authorized by Section 551.071(2) of the Texas Government Code, the Regular Board Meeting may be Convened into Closed Executive Session for the Purpose of Seeking Confidential Legal Advice from the General Counsel on any Agenda Item Listed Herein.
- b. Texas Government Code Section 551.072 Deliberation regarding Real Property: Discuss acquisition, sale or lease of real property related to long-range service plan within the cities of Denton, Lewisville, or Highland Village.

4. Reconvene Open Session

- a. Reconvene and Take Necessary Action on Items Discussed during Executive Session.
5. CHAIR REPORT
 - a. Discussion of Regional Transportation Issues
 - b. Discussion Legislative Issues
 - i. Regional
 - ii. State
 - iii. Federal
 6. PRESIDENT'S REPORT
 - a. Budget Transfers
 - b. Regional Transportation Issues
 - c. 3rd Quarter Agency Performance Report
 7. REPORT ON ITEMS OF COMMUNITY INTEREST
 - a. Pursuant to Texas Government Section 551.0415 the Board of Directors may report on following items: (1) expression of thanks, congratulations, or condolences; (2) information about holiday schedules; (3) recognition of individuals; (4) reminders about upcoming DCTA and Member City events; (5) information about community events; and (6) announcements involving imminent threat to public health and safety.
 8. ADJOURN

Chair – Charles Emery
Vice Chair – Paul Pomeroy

Secretary – Richard Huckaby
Treasurer – Dave Kovatch

**Members – Skip Kalb, Doug Peach, Jim Robertson, Tom Winterburn,
Don Hartman, George A. Campbell, Allen Harris, Carter Wilson, Connie White**
President – Jim Cline

The Denton County Transportation Authority meeting rooms are wheelchair accessible. Access to the building and special parking are available at the main entrance. Requests for sign interpreters or special services must be received forty-eight (48) hours prior to the meeting time by emailing rcomer@dcta.net or calling Rusty Comer at 972-221-4600.

This notice was posted on 7/22/2016 at 9:53 AM.

Rusty Comer, Senior Public Information Specialist



Board of Directors

Work Session Minutes

The Board of Directors of the Denton County Transportation Authority convened the work session of the Board of Directors with Charles Emery, Chairman presiding at 1:30 p.m. on June 23, 2016 at 1955 Lakeway Drive, Suite 260, Lewisville, Texas 75057. A quorum was present.

Attendance

Small Cities

Skip Kalb
Connie White

Large Cities

Charles Emery, Lewisville, Chairman
Paul Pomeroy, Highland Village, Vice-Chair
Richard Huckaby, Denton, Secretary
(arrived at 1:55 p.m.)
Carter Wilson, Frisco
Tom Winterburn, Corinth
Jim Robertson, Flower Mound
(arrived at 1:54 p.m.)

Denton County Unincorporated

Don Hartman
George A. Campbell

Denton County at Large

Dave Kovatch, Treasurer

Board Members Absent

Allen Harris, The Colony
Doug Peach, Little Elm

Legal Counsel

Pete Smith, General Counsel

DCTA Staff

Jim Cline, President
Raymond Suarez, Chief Operating Officer
Anna Mosqueda, Chief Financial Officer
Nicole Recker – Vice President, Marketing
and Communications

Others in Attendance

Jeffrey Bennett – AVP, Operations
Alex McGlinchey – Operations Business
Manager
Athena Forrester – Senior Procurement
Manager
Adrienne Hamilton – Senior
Communications Specialist
Jeremy Lewallen – Procurement
Coordinator
Chrissy Nguyen – Senior Accountant
Javier Trilla – IT Manager
Ann Boulden – Senior Project Manager
Amanda Riddle – Budget Manager
Rose Jerome – Project Controls
Coordinator
Marisa Perry – Controller
Jim Owen – Transit Management of Denton
County
Doug Bourne – Herzog Transit
Dee Leggett – First Transit

Chairman Charles Emery called the meeting to order and announced the presence of a quorum.

1. Routine Briefing Items – There were no briefings on these items.
 - a. Financial Reports
 - b. Marketing and Communications
 - c. Strategic Planning / Development
 - d. Capital Projects Update
 - e. Transit Operations

2. Items for Discussion
 - a. Current and Future Rail Operations and Maintenance Procurement
 - i. Jim Cline, Jeff Bennett, Alex McGlinchey, Raymond Suarez, and Athena Forrester presented on and lead a discussion Rail Operations and Maintenance procurement process and the final decision made to go with FirstGroup, PLC.
3. Committee Chair Reports
 - a. Program Services Committee (06/14/2016) Paul Pomeroy, chair
 - i. There was no briefing on this item.
4. Discussion of Regular Board Meeting Agenda Items (June 2016)
 - There was no discussion
5. Convene Executive Session – The board did not meet in executive session
6. Discussion of Future Agenda Items – There was no discussion
7. ADJOURN - Work session was adjourned at 3:05 p.m.

The minutes of the June 23, 2016 work session meeting of the Board of Directors were passed, and approved by a vote on this 28th day of July, 2016.

Charles Emery, Chairman

ATTEST

Richard Huckaby, Secretary



Board of Directors

Board Meeting Minutes

The regular meeting of the Board of Directors of the Denton County Transportation Authority was convened with Chairman Charles Emery presiding at 3:22 p.m. June 23, 2016 at 1955 Lakeway Drive, Suite 260, Lewisville, Texas 75057. A quorum was present.

Attendance

Small Cities

Skip Kalb
Connie White

Large Cities

Charles Emery, Lewisville, Chairman
Paul Pomeroy, Highland Village, Vice-Chair
Richard Huckaby, Denton, Secretary
(arrived at 1:55 p.m.)
Carter Wilson, Frisco
Tom Winterburn, Corinth
Jim Robertson, Flower Mound
(arrived at 1:54 p.m.)

Denton County Unincorporated

Don Hartman
George A. Campbell

Denton County at Large

Dave Kovatch, Treasurer

Board Members Absent

Allen Harris, The Colony
Doug Peach, Little Elm

Legal Counsel

Pete Smith, General Counsel

DCTA Staff

Jim Cline, President
Raymond Suarez, Chief Operating Officer
Anna Mosqueda, Chief Financial Officer
Nicole Recker – Vice President, Marketing
and Communications

Others in Attendance

Jeffrey Bennett – AVP, Operations
Alex McGlinchey – Operations Business
Manager
Athena Forrester – Senior Procurement
Manager
Adrienne Hamilton – Senior
Communications Specialist
Jeremy Lewallen – Procurement
Coordinator
Chrissy Nguyen – Senior Accountant
Javier Trilla – IT Manager
Ann Boulden – Senior Project Manager
Amanda Riddle – Budget Manager
Rose Jerome – Project Controls
Coordinator
Marisa Perry – Controller
Jim Owen – Transit Management of Denton
County
Doug Bourne – Herzog Transit
Dee Leggett – First Transit

CALL TO ORDER –Chairman Charles Emery called the meeting to order and announced the presence of a quorum of the Board.

PLEDGE OF ALLEGIANCE TO US AND TEXAS FLAGS – led by Connie White

INVOCATION – led by Skip Kalb

WELCOME AND INTRODUCTION OF VISITORS – Jim Cline introduced Robert Bach, President of Rio Grande Pacific, Dee Leggett with First Transit, Greg Baxter with First Transit, Tom Tully with First Transit and Jim Owen Transit Management of Denton County.

AGENCY AWARDS AND RECOGNITIONS

1. CONSENT AGENDA

- a. Approval of Minutes for the Board Work Session and Regular Meeting on May 26, 2016
- b. Acceptance of Financial Statements - May 2016
- c. Approve Revised Records Retention Policy
- d. Approval of Fiscal Year 2016 Annual Program of Projects
- e. Approval to Execute Telephone System Contract with Peak Methods, Inc., dba Peak UpTime (RFP 16-11)
- f. Approval of Mobility on Demand Grant Support
 - Motion to approve Consent Agenda Items a-f made by Jim Robertson. 2nd by Dave Kovatch. Motion carried unanimously.

2. REGULAR AGENDA

- a. Discussion / Authorization to Execute Rail Operations and Maintenance Service Contract (RFP 16-08) with FirstGroup, PLC
 - Motion to Execute Rail Operations and Maintenance Service Contract (RFP 16-08) with FirstGroup, PLC was made by Connie White. 2nd by Dave Kovatch. Motion carried unanimously.
- b. Discussion / Approval of Lewisville/Highland Village Service Modifications
 - Motion to Approval of Lewisville/Highland Village Service Modifications was made by Richard Huckaby. 2nd by Skip Kalb. Motion carried unanimously.

3. Convene Executive Session. The board did not meet in executive session.

4. CHAIR REPORT – Charles Emery gave an update on these issues

- a. Discussion of Regional Transportation Issues
- b. Discussion Legislative Issues
 - i. Regional
 - ii. State
 - iii. Federal

5. PRESIDENT'S REPORT – Jim Cline provided information on the following items

- a. Budget Transfers
- c. Regional Transportation Issues

6. REPORT ON ITEMS OF COMMUNITY INTEREST – There were none

- d. Pursuant to Texas Government Section 551.0415 the Board of Directors may report on following items: (1) expression of thanks, congratulations, or condolences; (2) information about holiday schedules; (3) recognition of individuals; (4) reminders about upcoming DCTA and Member City events; (5) information about community events; and (6) announcements involving imminent threat to public health and safety.

7. ADJOURN 3:55 p.m.

- Motion to adjourn was made by Skip Kalb. 2nd by George Campbell. Motion carried unanimously.

The minutes of the June 23, 2016 meeting of the Board of Directors were passed, and approved by a vote on this 28th day of July, 2016.

Charles Emery, Chairman

ATTEST

Richard Huckaby, Secretary



Board of Directors Memo

July 28, 2016

Subject: 1(d) Approval of Award of Bus Painting and Repair Services for Six Texoma Area Paratransit System (TAPS) Buses

Background

In April 2016, with Federal Transit Administration (FTA) approval, the Texoma Area Paratransit System (TAPS) transferred title of five (5) 2013 model El Dorado EZ Rider II buses and one (1) 2015 model El Dorado EZ Rider II bus to DCTA. These vehicles were purchased to supplement the existing fleet to allow for expansion of service and provide for adequate spares.

Upon transfer, DCTA assumed the remaining federal financial interest in the vehicles. Prior to placing these vehicles in revenue service, they need to have the TAPS branding removed, minor body damage repaired, and be repainted.

On June 15, 2016 DCTA released a Request for Bids (RFB) from businesses qualified to paint and repair buses.

On June 30th, 2016, DCTA received two (2) bids in response to the RFB:

1. Spectrum Truck Painting, Inc. – Lewisville, TX
2. Big Wheels Body Shop – Fort Worth, TX

Staff reviewed the bids and is recommending award to Spectrum Truck Painting, Inc.

Identified Need

The vehicles need to be repainted to remove all of the existing TAPS branding. Two (2) have minor body repair work to be completed in addition to painting.

Financial Impact

The fee for the services is \$42,490 and will be reimbursed with FTA funds at 80% from preventative maintenance grant funds.

Recommendation

Staff recommends the Board approve the award to Spectrum Truck Painting, Inc.


Submitted by:


 Athena Forrester
 Senior Procurement Manager

Final Review:


 Michelle Bloomer
 Assistant Vice President, Bus Operations and Maintenance

Approval:


 James C. Cline, Jr., P.E.,
 President



Board of Directors Memo

July 28, 2016

Subject: 1(e) Approve Task Order No. 15 to HNTB for Drainage Flume Repair and Strengthening

Background

In 2015 DCTA experienced the failure of approximately 290 linear feet of concrete drainage flume walls between the A-Train rail tracks and adjacent private property, just south of Pockrus Page Road. In addition to the collapsed wall segments, several adjacent walls exhibit signs of overstress. As a result of investigations HNTB performed under Task Order 10 for DCTA, several potential repair concepts have been determined viable for design and implementation throughout the flume south of Pockrus Page Road.

The potential solutions incorporate precast box culverts and cast-in-place box culverts constructed in the opening between the flume wall locations. This will create an independent drainage area within the limits of the flume that do not depend on the stability or structural integrity of the existing flume walls. The slopes will be reconstructed and grated openings will be constructed in the top of the new box culverts to permit surface flows to enter the new drainage culverts during rainfall events.

Identified Need

The collapsed flume must be repaired, for the safety of the public and the A-Train. FEMA has identified the damage as associated with the May, 2015 flood event. The situation is complex and requires the services of professional engineers to design the repair.

Financial Impact

The fee for the services is \$99,804.25 and will be paid for with operating funds and may be reimbursed at 75% by FEMA, pending our appeal.

Recommendation

Staff recommends the Board of Directors authorize the President to execute the task order on contract 12-04, On-Call Architectural/Engineering Services, with HNTB in the amount not-to-exceed \$99,804.25.


Submitted by:


Athena Forrester
Senior Procurement Manager

Final Review:


Raymond Suarez, COO

Approval:


James C. Cline, Jr., P.E.,
President



Board of Directors Memo

July 28, 2016

Subject: 1(f) Authorize President to Execute an Agreement for Banking and Depository Services

Background

Chapter 105 of the Local Government Code outlines the requirements for the selection and award of contracts for depository services. Applications must be requested from financial institutions and contract awarded for a term that does not exceed 5 years.

The current contract for depository services was awarded in 2011 to Wells Fargo and expires in 2016. On May 2, 2016, DCTA issued Solicitation #16-18, Application for Depository Services from any bank credit union or savings association.

On May 27th, 2016 DCTA received four (4) responses to the solicitation.

1. Compass Bank dba BBVA Compass
2. Comerica Bank
3. Frost Bank
4. Wells Fargo Bank N.A.

Responses were evaluated on the following criteria.

- Technical ability to provide required services
- Cost of services including earnings allowance
- Experience in providing services to similar clients
- Ability to provide innovative cash management services

Staff has evaluated the responses and conducted telephone interviews. Staff is recommending award to Wells Fargo N.A.

Identified Need

In order to conduct business, DCTA must have a depository for collection, disbursement, and management of funds.

Financial Impact

DCTA receives a monthly earnings allowance based on the investable balance in our accounts. This allowance currently covers the monthly transaction cost.

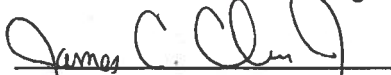
Recommendation

Staff recommends the Board authorize the President to enter into an agreement for banking and depository services with Wells-Fargo N.A. or a term not-to-exceed five (5) years.

Final Review:


Athena Forrester
Senior Procurement Manager

Approval:


James C. Cline, Jr., P.E.,
President

Board of Directors Memo

July 28, 2016

Subject: 1(g) – Authorize President to Execute a Master Research Agreement with Texas A&M Transportation Institute**Background**

The Texas Transportation Institute (TTI), a member of The Texas A&M University System, assists public transportation providers in Texas, as well as nationwide, by providing multi-modal transportation research and technology expertise in the areas of public transportation planning, management, and operations.

Staff desires to enter into a one year Master Research Agreement with TTI to provide technical assistance in an amount not to exceed \$75,000. In the past, TTI has provided technical assistance to DCTA related to drafting of the bus operations request for proposals and development of DCTA's updated Title VI Plan.

Identified Need

Research and technical assistance related to opportunities and challenges to enhancing bus operations efficiency and effectiveness.

Financial Impact

Staff anticipates the work being performed within current budget limits.

Recommendation

Staff recommends the Board authorize the President to execute a Master Research Agreement with Texas A&M Transportation Institute.

Submitted by:



Athena Forrester
Senior Procurement Manager

Approval:



Michelle Bloomer
Assistant Vice President, Bus Operations and Maintenance

Approval:



James C. Cline, Jr., P.E.,
President



Board of Directors Memo

July 28, 2016

Subject: 2 Discussion/Approval of Change Order to Alstom Signaling for Positive Train Control

Background

In November, 2015, DCTA executed a contract with Alstom Signaling for the provision of the Enhanced Automatic Train Control (E-ATC) system. The system is being implemented to meet the requirements for Positive Train Control. Design of the system is progressing well, and some changes in the contract are required to accommodate system improvements and additional design effort.

Identified Need

The Change Order reflects three requests from Alstom Signaling:

- Additional Cut Sections (\$ 256,900) – The installation of the cut sections will shorten block lengths in our signal system. In addition to improving the performance of the PTC system, this will be an important part of our shunt enhancement/single car operation as we go forward. Pricing included in original contract.
- Additional Design Effort (Block Design - \$261,237; Circuit Plans – \$163,653) – The implementation of the shunt enhancement improvements and the E-ATC design overlapped. Making these changes mid-process and the coordination of the different efforts by different contractors resulted in the need to rework some significant portions of the plans. Minor discrepancies between the civil as-builts and the signal system as-builts added to the issue. We believe the costs presented by Alstom Signaling are fair and should offset or mitigate any schedule impacts. See attached letters from Alstom Signaling.

Financial Impact


The PTC system is a significant investment by DCTA. Current available funding is \$16,720,806 (Federal - \$13,376,645/Local - \$3,344,161). Cost impact is as follows:

• Initial Alstom Signaling Contract	\$ 12,720,917
• Shunt Enhancements	\$ 868,568
• Project Mgmt./Tech Assist.	\$ 812,000
• Alstom Signaling Change Order (pending approval)	\$ 681,790
• Possible Outstanding (Signal Enhancement/Network Upgrade)	\$ 700,000
	=====
TOTAL	\$ 15,783,275
Remaining Contingency – 6%	

Recommendation

Staff recommends the Board of Directors authorize the President to execute the change order to Alstom Signaling for \$681,790.

Approval:



 James C. Cline, Jr., P.E., President

JEREMY GRAY
BID MANAGER
Alstom Signaling Operation, LLC.

2712 S. Dillingham Rd.
Grain Valley, MO 64029
T: 816 650 4530
Email: Jeremy.Gray@transport.alstom.com
www.alstom.com

ALSTOM

June 17, 2016

2016-392304

Mr. Jay Walser
President Mero LLC
Denton County Transportation Authority
P.O. Box 96
Lewisville, Texas 75067

Ref: Change Order for Denton County Transportation Authority Circuit Plan Changes

Dear Mr. Walser,

Alstom Signaling Operation, LLC (Alstom) is pleased to provide a change order proposal for the Denton County Transportation Authority (DCTA) Enhanced Automatic Train Control Rail Safety project (Contract Number 15-31 dated 10/30/15). This change order is for rework of the circuit plans based on the revised documents from DCTA.

A detailed description of the scope of this change order is attached to this letter as **Attachment A** – "Statement of Work for Circuit Plan Changes".

The total quoted price for this solution is **\$163,653**.

Alstom's total quoted price for your solution is set out herein in U.S. Dollars and assumes the terms and conditions as stated in the contract agreement between DCTA and Alstom Signaling Operation, LLC (Contract Number 15-31 dated 10/30/15).

This proposal will remain valid for sixty (60) days from the date of this letter. Payment terms are net thirty (30) days. This proposal assumes that a cash neutral cash flow payment schedule will be established. Please reference 2016-392304 when ordering this equipment.

Alstom welcomes the opportunity to provide a solution to your transportation needs. If you have any questions or require any further assistance, please feel free to contact us.

Thank you,




Jeremy Gray
Bid Manager

CC: Robert C. Ford

Enc: Attachment A - Statement of Work for Circuit Plan Changes

DCTA – Denton County Transportation Authority

Statement of Work for Circuit Plan Changes

06/10/2016	T.Windt	J.Gassmann	R.Ford	 TRANSPORT – Information Solutions Alstom Signaling 1990 West Nasa Boulevard Melbourne, FL, 32904
	PrEM	Lead Applicatin Engineer	Project Manager	
DATE	ESTABLISHED	CHECKED	APPROVED	
DISTRIBUTION	Confidentiality Category <i>Restricted</i> <input type="checkbox"/> <i>Project</i> <input type="checkbox"/> <i>Normal</i> <input checked="" type="checkbox"/>		Control Category <i>Controlled</i> <input type="checkbox"/> <i>Not Controlled</i> <input checked="" type="checkbox"/>	
UNCONTROLLED WHEN PRINTED – Not to be used before verification of applicable version number. <small>This document is the property of ALSTOM Transport and the recipient hereof is not authorised to divulge, distribute or reproduce this document or any part thereof without prior written authorisation from ALSTOM</small>				Rel. 1D Lang. en N.Shts X

REVISIONS

Version/ Release	Auteur/ Author	Date	Page / Paragraph	Commentaires/ Comments	Id. de CR/ CR Id.
1A	T.Windt	06/10/2016	ALL	First version for Internal Review	N/A
1B	T.Windt	06/14/2016	ALL	Attending comments from J.Gassmann and C.Atkins	N/A
1C	T.Windt	06/17/2016	ALL	Updating footnotes	N/A
1D	T.Windt	06/19/2016	ALL	Adding Assumptions	N/A

CONTENT

1 INTRODUCTION 4
1.1 PURPOSE 4
2 PRODUCT / SYSTEM DESCRIPTION 4
3 SCOPE OF WORK 4
4 PLANNING AND DELIVERABLES 4
5 DEFINITIONS AND REFERENCES 5
5.1 DEFINITIONS 5
5.2 REFERENCE DOCUMENTS FOR STATEMENT OF WORK WRITING (ALSTOM INTERNAL USE) 5
6 ASSUMPTIONS 5

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1 INTRODUCTION

1.1 Purpose

This document defines the scope of work and the activities related to the rework for circuit plans.

2 PRODUCT / SYSTEM DESCRIPTION

During the process of circuit plans development DCTA sent revised documents for 18 locations, 14 of which were already developed by ALSTOM and needs to be re-worked. During the verification of information received, Alstom found issues in the configuration management (same document with different versions, field situation different from circuit plans, etc) and due to that Alstom needs to receive the correct circuit drawings before start reworking location plans.

3 SCOPE OF WORK

Rework the locations already submitted according to the new information received from DCTA in the following locations:

- CP Denton,
- Colorado Boulevard,
- North Med,
- Colorado-Mayhill Road,
- South Med,
- Quail Run Drive,
- North Lake,
- South Lake,
- North Mill Street,
- College Street,
- CP Purnell,
- Hebron Parkway,
- South Hebron,
- Frankford Road,

The engineering scope for this activities will be design, CAD and verification.

4 PLANNING AND DELIVERABLES

The planning and deliverables will follow the same strategy used in the current project. The schedule will be updated to incorporate the new activities and will require a re-baseline on the current schedule.

5 DEFINITIONS AND REFERENCES

5.1 Definitions

For the purpose of this document the following definitions shall apply:

CP	Control Point
DCTA	Denton County Transportation Authority
IS	Intermediate Signal

5.2 Reference documents for Statement Of Work writing (ALSTOM internal use)

Project Contract	DCTA GE PTC Contract Final_103015_Fully Executed
Technical Proposal	DCTA Enhanced-Automatic Train Control System

6 ASSUMPTIONS

- Alstom is not responsible for resolving existing discrepancies in cad files.
- Alstom is only responsible for accuracy of the E-ATC/PTC overlay system details that is being added to the plans.
- Alstom is considering to update the above mentioned files one time. If additional changes are needed, a new change order is required
- Alstom already found discrepancies in the most current received files, as following:

MILE POST	LOCATION NAME	TYPE	As-Installed CAD Files Update 06-08-2016.zip	COMMENTS
721.80	CP DENTON	CP	X	Extra relay mounted between NB-TR and X-TCM on sht. 16. FPP & Comm equip not shown on sht. 17. B2B Chgr not shown accurately on sht. 19
723.05	COLORADO BOULEVARD	IS & XING	X	FPP not shown on sht. 21, should be below TIP-2. XB Chgr not shown accurately sht. 22. MB Chgr not shown accurately sht. 23
724.70	NORTH MED	CP	X	TF has note that it is mounted on rear but actually mounted on front of TB on sht. 18. FPP & Comm equip not shown on sht. 19. E2B Chgr not shown accurately sht. 21
725.20	COLORADO-MAYHILL ROAD	IS & XING	X	FPP not shown on sht. 27. HTI box not shown on sht. 29. MB Chgr not shown accurately on sht. 29.
726.36	SOUTH MED	CP	X	IBHZ, TP's shown in print are not installed in house sht. 3 & 17. FPP shown at incorrect location. Comm equip not shown at correct locations
728.38	QUAIL RUN DRIVE	IS & XING	X	Switch is shown at incorrect place on 2FA wage row sht. 19. TF on Rack 2 is mounted on bars not on plywood as depicted on sht. 19. XB Chgr not shown accurately on sht. 20. MB Chgr not shown accurately on sht. 21
730.04	MAIN STREET	IS & XING	X	US&S sign on row 1G not installed sht. 22. XB Chgr not shown accurately sht. 24. MB Chgr not shown accurately sht. 25
733.10	NORTH LAKE	CP	X	Crt. Brks shown in 1H row mounted in 1G row sht. 17. FPP shown above shelf in row 2B but actually mounted below shelf sht. 18. Comm equip not shown accurately sht. 18. B2B Chgr not shown accurately sht. 20
733.78	SOUTH LAKE	CP	X	MDSA's, Chokes, Res. not shown accurately on sht. 18. Crt. brks shown in 1H row mounted in 1G row sht. 18. Comm equip not shown accurately in 2FD row sht. 19. FPP below shelf sht. 19. MB Chgr not shown accurately sht. 20. B2B Chgr not shown accurately sht. 21
735.10	NORTH MILL STREET	IS & XING	X	C-1F-1 B052 TF shown on sht. 25 not actually installed. FPP not shown below TIP-2 sht. 25. XB Chgr not shown accurately sht. 26. MB Chgr not shown accurately sht. 27
736.50	COLLEGE STREET	IS & XING	X	DXC not installed. shown in row 1H sht. 23. Appears 2-TC installed where EPIC III shown in row 1C sht. 23. FPP not shown at bottom of rack sht. 24. B-MDSA not shown on print sht. 24. XB Chgr not shown accurately sht. 25. MB Chgr not shown accurately sht. 26. HTI box not shown on sht. 26. PSO equip not shown accurately sht. 27. ZTC shown on sht. 28 is not installed. EPIC III is installed but not shown in print.
737.16	CP PURHELL	CP	X	Precool Converter located on shelf not on din rail as shown on sht. 21. FPP located below shelf sht. 21. B2B Chgr not shown accurately sht. 23
738.04	NORTH HEBRON	CP	X	CRT. Brks shown in row 1H actually in row 1G. RS900's, FPP, & comm equip not shown on sht. 24. MB Chgr not shown accurately sht. 25. B2B Chgr not shown accurately sht. 26. TSA's on back of terminal board not shown in layout sht. 23. X-TCM is strong on shelf next to B2B Chgr and not shown on sht. 26
738.51	IS 738.5 & 738.8 MAIN	IS	X	RS900 & FPP not shown on print sht. 19. relays installed on Rack 2 not shown on plans sht. 19. X-TCM not installed on Rack 2 actually sitting on shelf next to MB Chgr. sht. 3 & 8 of print shows VPM-2's but VPM-3's actually installed
739.48	HEBRON PARKWAY	IS & XING	X	Two sht. 21's in print. FPP not shown sht. 25. RS900 & Switch located on back of rack not shown accurately in print sht. 25. XB Chgr not shown accurately sht. 26. MB Chgr not shown accurately sht. 27. sht 8 & 9 show VPM-2's but VPM-3's actually installed.
740.08	SOUTH HEBRON	CP	X	Sht 3, 7, 18, 17 have zero rev 1's in revision history block. FPP and Comm equip not shown sht. 17. B2B Chgr not shown accurately sht. 19
741.37	FRANKFORD ROAD	IS & XING	X	Crt. Brks in row 1H located in row 1G sht. 21. PSO equip not shown accurately sht. 21. FPP not shown sht. 22. XB Chgr not shown accurately sht. 23. MB Chgr not shown accurately sht. 24
742.48	CP MILL (Remote House)	CP & XING	X	Date for Rev. 1 5/17/16 is after date for rev 2 4/25/16 sht. 27. Switch not shown in row 2FC sht. 41. MB Chgr not shown accurately sht. 43
742.83	CP MILL (Main House)	CP & XING	X	Turned Coupler not shown accurately on terminal board sht. 21. Comm equip and FPP not shown on sht. 22. RS900 not shown in correct row in print sht. 22. B2B Chgr not shown accurately sht. 24. Vest Link Radio & DC-DC Converter not shown accurately sht. 23. B12 Chgr shown in print on AB row has been moved to other side of house sht. 23. B12 Chgr should be added to sht. 28

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- Alstom received two sets of files and will use the most current received, as following:

MILE POST	LOCATION NAME	CITY	TYPE	TRACKS	CAD files in UNIFIER 01/21/2016	As-Installed CAD Files Update 06-08-2016.zip
721.78	SYCAMORE STREET	(DENTON)	XING	2	X	
721.80	CP DENTON	(DENTON)	CP	2	X	X
721.90	EAST PRARIE STREET	(DENTON)	XING	1	X	
722.10	MORSE (MILL) STREET	(DENTON)	XING	1	X	
722.35	DUNCAN STREET	(DENTON)	XING	1	X	
722.80	SHADY OAKS DRIVE	(DENTON)	XING	1	X	
723.05	COLORADO BOULEVARD	(DENTON)	IS & XING	1	X	X
724.21	BRINKER ROAD	(DENTON)	XING	1	X	
724.70	NORTH MED	(DENTON)	CP	2	X	X
725.20	COLORADO-MAYHILL ROAD	(DENTON)	IS & XING	2	X	X
725.70	POCKRUS ROAD	(DENTON)	XING	2	X	
726.35	SOUTH MED	(DENTON)	CP	2	X	X
726.56	LAKEVIEW BOULEVARD	(CORINTH)	XING	1	X	
726.80	SHADY SHORES ROAD	(CORINTH)	XING	1	X	
727.33/727.36	WALTON RD & N CORINTH ST	(CORINTH)	XING	1	X	
727.37	NEW CUT SECTION #1-1754+27	(CORINTH)	CS	1	X	
727.57	CORINTH PARKWAY	(CORINTH)	XING	1	X	
728.36	QUAIL RUN DRIVE	(CORINTH)	IS & XING	1	X	X
728.69	NEW CORINTH EXTEN	(CORINTH)	XING	1	X	
729.49	BURL STREET	(LAKE DALLAS)	XING	1	X	
729.80	SWISHER ROAD	(LEWISVILLE)	IS & XING	1	X	
729.80	SWISHER ROAD Remote	(LEWISVILLE)	IS & XING	1	na	
730.18	WEST OVERLY DRIVE	(LAKE DALLAS)	XING	1	X	
730.40	WEST HUNDLEY DRIVE	(LAKE DALLAS)	XING	1	X	
730.64	MAIN STREET	(LAKE DALLAS)	IS & XING	1	X	X
730.80	BETCHAN AVENUE	(LEWISVILLE)	XING	1	X	
731.10	EAST CARLISLE DRIVE	(LEWISVILLE)	XING	1	X	
731.40/731.20	KELTON AV & HICKORY HILLS BLVD	(LEWISVILLE)	CS & XING	1	X	
733.10	NORTH LAKE	(LEWISVILLE)	CP	2	X	X
733.48	EAGLE POINT ROAD	(LEWISVILLE)	XING	2	X	
733.76	SOUTH LAKE	(LEWISVILLE)	CP	2	X	X
734.30	LAKE PARK ROAD	(LEWISVILLE)	XING	1	X	
735.10	NORTH MILL STREET	(LEWISVILLE)	IS & XING	1	X	X
735.25	JONES STREET	(LEWISVILLE)	XING	1	X	
735.65	NORTH COWAN AVENUE	(LEWISVILLE)	XING	1	X	
735.96	ELECTRIC LOCK	(LEWISVILLE)	EL	1	X	
736.10	NORTH KEALY AVENUE	(LEWISVILLE)	XING	1	X	
736.13	ELECTRIC LOCK	(LEWISVILLE)	EL	1	X	
736.50	COLLEGE STREET	(LEWISVILLE)	IS & XING	1	X	X
736.70	EAST MAIN STREET	(LEWISVILLE)	EL & XING	2	X	
736.90	ANDES METAL DRIVEWAY	(LEWISVILLE)	XING	1	X	
737.11/737.10	STATE HIGHWAY 121 & PURNELL ST	(LEWISVILLE)	XING	1	X	
737.16	CP PURNELL	(LEWISVILLE)	CP	2	X	X
738.04	NORTH HEBRON	(LEWISVILLE)	CP	2	X	X
738.04	NORTH HEBRON (Remote House)	(LEWISVILLE)	CP	2	na	
738.30	BENNET LANE	(LEWISVILLE)	XING	2	X	
738.51	IS 738.5 & 738.6 MAIN	(LEWISVILLE)	IS	2	X	X
738.61	CORPORATE DRIVE	(LEWISVILLE)	XING	2	X	
739.48	HEBRON PARKWAY	(LEWISVILLE)	IS & XING	2	X	X
740.06	SOUTH HEBRON	(LEWISVILLE)	CP	2	X	X
741.37	FRANKFORD ROAD	(CARROLLTON)	IS & XING	1	X	X
741.82	ELECTRIC LOCK	(CARROLLTON)	EL	1	X	
742.04	ELECTRIC LOCK	(CARROLLTON)	EL	1	X	
742.23	ELECTRIC LOCK	(CARROLLTON)	EL	1	X	
742.35	TRINITY MILLS WB	(CARROLLTON)	XING	1	X	
742.48	CP MILL (Remote House)	(CARROLLTON)	CP & XING	1	na	x
742.83	CP MILL (Main House)	(CARROLLTON)	CP & XING	1	X	X

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JEREMY GRAY
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ALSTOM

June 17, 2016

2016-392303

Mr. Jay Walser
President Mero LLC
Denton County Transportation Authority
P.O. Box 96
Lewisville, Texas 75067

Ref: Change Order for Denton County Transportation Authority Block Design Changes

Dear Mr. Walser,

Alstom Signaling Operation, LLC (Alstom) is pleased to provide a change order proposal for the Denton County Transportation Authority (DCTA) Enhanced Automatic Train Control Rail Safety project (Contract Number 15-31 dated 10/30/15). This change order is for the rework of the block design and Functional Design Document to address the new PSR information.

A detailed description of the scope of this change order is attached to this letter as **Attachment A** – "Statement of Work for Block Design Changes".


The total quoted price for this solution is **\$261,237**.

Alstom's total quoted price for your solution is set out herein in U.S. Dollars and assumes the terms and conditions as stated in the contract agreement between DCTA and Alstom Signaling Operation, LLC (Contract Number 15-31 dated 10/30/15).

This proposal will remain valid for sixty (60) days from the date of this letter. Payment terms are net thirty (30) days. This proposal assumes that a cash neutral cash flow payment schedule will be established. Please reference 2016-392303 when ordering this equipment.

Alstom welcomes the opportunity to provide a solution to your transportation needs. If you have any questions or require any further assistance, please feel free to contact us.

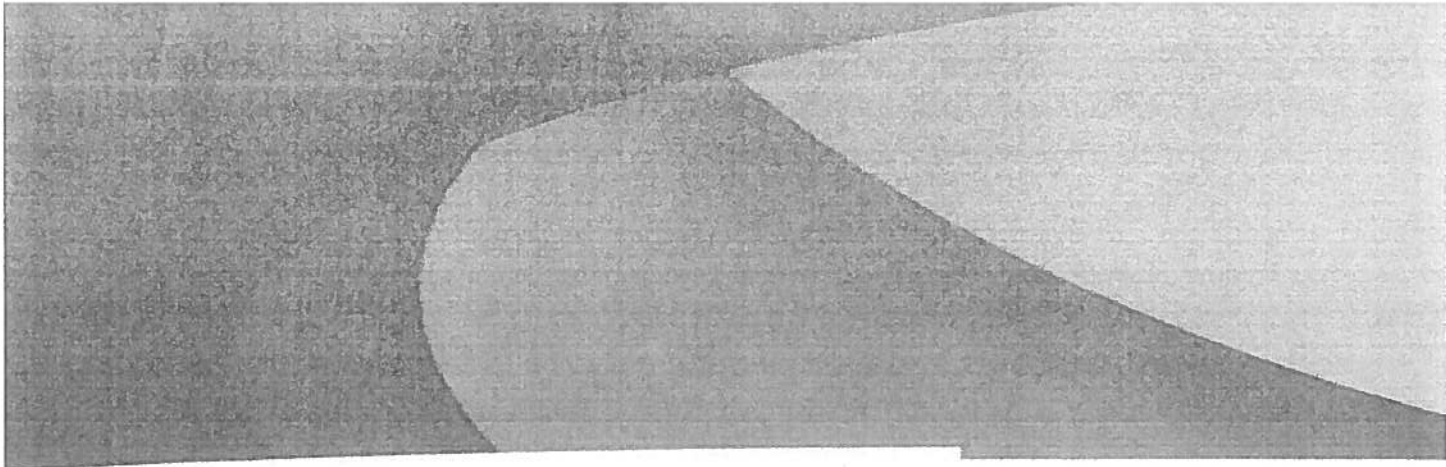
Thank you,



Jeremy Gray
Bid Manager


CC: Robert C. Ford

Enc: Attachment A - Statement of Work for Block Design Changes



DCTA – Denton County Transportation Authority

Statement of Work for Block Design Changes

06/10/2016	T.Windt	J.Gassmann	C.Atkins	R.Ford	 TRANSPORT – Information Solutions Alstom Signaling 1990 West Nasa Boulevard Melbourne, FL, 32904				
	<i>PrEM</i>	<i>Lead Applicatin Engineer</i>	<i>Wayside System Engineer</i>	<i>Project Manager</i>					
DATE	ESTABLISHED	CHECKED	CHECKED	APPROVED					
DISTRIBUTION	Confidentiality Category <i>Restricted</i> <input type="checkbox"/> <i>Project</i> <input type="checkbox"/> <i>Normal</i> <input checked="" type="checkbox"/>			Control Category <i>Controlled</i> <input type="checkbox"/> <i>Not Controlled</i> <input checked="" type="checkbox"/>					
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REVISIONS

Version/ Release	Auteur/ Author	Date	Page / Paragraph	Commentaires/ Comments	Id. de CR/ CR Id.
1A	T.Windt	06/10/2016	ALL	First version for Internal Review	N/A
1B	T.Windt	06/13/2016	ALL	Attending comments from J.Gassmann and C.Atkins	N/A
1C	T.Windt	06/16/2016	Cover Sheet	Updating footnotes	N/A
1D	T.Windt	06/16/2016	ALL	Adding assumptions	N/A

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CONTENT

1	INTRODUCTION	4
1.1	PURPOSE.....	4
2	PRODUCT / SYSTEM DESCRIPTION	4
3	SCOPE OF WORK.....	5
4	PLANNING AND DELIVERABLES	5
5	DEFINITIONS AND REFERENCES.....	5
5.1	DEFINITIONS.....	5
5.2	REFERENCE DOCUMENTS FOR STATEMENT OF WORK WRITING (ALSTOM INTERNAL USE)	5
6	ASSUMPTIONS	6

1 INTRODUCTION

1.1 Purpose

This document defines the scope of work and the activities related to the block design analysis re-work.

2 PRODUCT / SYSTEM DESCRIPTION

Alstom had fully commenced utilizing the Civil Plans, Location Plans and the Timetable for the Block Design Analysis. Alstom utilized the permanent speed restrictions (PSRs) specified by the aforementioned timetable document however when there was a more restrictive speed designated by the curve data in the Civil plans, that would be the speed that took precedence over the timetable and vice versa. Although the Block Design Analysis was ready for submittal on May 6th, it was held to incorporate a few, known upcoming PSR updates; however, due to the significance of the modifications by DCTA on May 11th these changes to the block design analysis were held and the 60% Block Design was submitted as is by May 25th. Since the DCTA PSR Requirements are so significant, the block design analysis must be redesign to address the new and correct information and allow the other sub-systems to move towards the final development.

3 SCOPE OF WORK

Rework the block design and Functional Design Document to address the new PSR information. All the new information will be analyzed and considered as input to the tools used on block design development such as RAILSIM. The document will detail the safe braking cab signal block design and run time calculations.

The Block Design Analysis 100% and FDD 100%, if this scope of work is accepted will cover these changes and impact the on-board, and wayside sub-systems.

4 PLANNING AND DELIVERABLES

The planning and deliverables will follow the same strategy used in the current project. The schedule will be updated to incorporate the new activities and will require a re-baseline on the current schedule.

5 DEFINITIONS AND REFERENCES

5.1 Definitions

For the purpose of this document the following definitions shall apply:

DCTA	Denton County Transportation Authority
FDD	Functional Design Document
PSR	Permanent Speed Restriction
TMDS	Train Management Dispatch System
TSR	Temporary Speed Restriction

5.2 Reference documents for Statement of Work writing (ALSTOM internal use)

Project Contract	DCTA GE PTC Contract Final_103015_Fully Executed
Technical Proposal	DCTA Enhanced-Automatic Train Control System
ALS-DCTA-0007	Document Inconsistencies
Submittal 127	Signaling Block Design Criteria
Submittal 20	DCTA Project Block Design Analysis

6 ASSUMPTIONS

- This proposal is based on the file: PSR Definitions (06-14-16)
- The Block Design changes will start just after DCTA confirmation on:
 - PSR Definitions Agreement
 - Confirmation of the Chainage
- Wayside, Onboard and TSR are affected by Block Design Analysis.
- Any change in the project solution is considered in this proposal.