

THE STATE OF TEXAS §

COUNTY OF CAMERON §

BE IT REMEMBERED on the 30th day of April 2012, there was conducted a Special Meeting of the Cameron County Regional Mobility Authority, at the Joe G. Rivera and Aurora de la Garza County Annex thereof, in San Benito, Texas, for the purpose of transacting any and all business that may lawfully be brought before the same.

THE BOARD MET AT:

12:00 Noon

PRESENT:

DAVID E. ALLEX
CHAIRPERSON

MICHAEL SCAIEF
DIRECTOR

DAVID N. GARZA
DIRECTOR

DIRECTOR

DIRECTOR

JOHN WOOD
DIRECTOR

MARK ESPARZA
DIRECTOR

Secretary

YOLANDA VILLALOBOS
ABSENT

RUBEN GALLEGOS, JR.
ABSENT

ABSENT

=====

The meeting was called to order by Chairman David E. Allex at 12:00 Noon. At this time, the Board considered the following matters as posted and filed for Record in the Office of the County Clerk on this April 27, 2012 at 9:33 A.M.



AGENDA

**Special Meeting of the Board of Directors
of the
Cameron County Regional Mobility Authority**

**Joe G. Rivera and Aurora de la Garza County Annex
1390 W. Expressway 77
San Benito, Texas 78586**

Monday, April 30, 2012

12:00 Noon

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS
On: Apr 27, 2012 at 09:33A

PUBLIC COMMENTS:

- 1. Public Comments**

Joe G Rivera
County Clerk
By
Lamar Cantu, Deputy
Cameron County

CONSENT ITEMS:

- 2. All Item(s) under the Consent RMA Agenda are heard collectively unless opposition is presented, in which case the contested Item will be considered, discussed, and appropriate action taken separately**
 - A. Consideration and Approval of the Minutes for:

April 17, 2012 Special Meeting**
 - B. Consideration and Approval of Right of Entry for the West Rail Project, Construction Easement – Site 4 Parcel 1(E) and Site 4 Temporary Construction Easement 1**
 - C. Consideration and Approval of Right of Entry for the West Rail Project, Construction Easement – Site 4 Parcel 3(E), Site 4 Temporary Construction Easement 2 and Site 4 Temporary Construction Easement 3**

- D. Consideration and Authorization to allow Pete Sepulveda, Jr., RMA Coordinator to execute documents on behalf of the Cameron County Regional Mobility Authority
- E. Consideration and Approval of an Agreement between the Cameron County Regional Mobility Authority and American Electric Power for the SH 550 Project
- F. Consideration and Approval of Supplemental Work Authorization No. 1 to Work Authorization No. 38 for the SH 550 Port Spur/FM 1847 - RFI's, Shop Drawing Review for a Time Extension
- G. Consideration and Approval to Request RFQ's for Construction Management Services for the SH 550 Direct Connector Project


ITEMS FOR DISCUSSION AND ACTION:

3. Action Items

- A. Approval of Claims
- B. Consideration and Approval of Change Orders #2, #12, #15 and #16 for the SH 550 Project

4. Adjournment

Signed this 27th day of April 2012



David E. Allex
Chairman

PUBLIC COMMENTS

1. PUBLIC COMMENTS

Mr. Pete Sepulveda, Jr., RMA Chairman, Chairman David E. Alex and Vice-Chairman John Wood made comments in regards to meetings with Chairman Ted Houghton, Commissioner Austin and the Texas Transportation Commission.

CONSENT ITEMS

ALL ITEM(S) UNDER THE CONSENT RMA AGENDA ARE HEARD COLLECTIVELY UNLESS OPPOSITION IS PRESENTED, IN WHICH CASE THE CONTESTED ITEM WILL BE CONSIDERED, DISCUSSED AND APPROPRIATE ACTION TAKEN SEPARATELY

Director Esparza made a motion to approve Consent Items 2-A through 2-G listed below, subject to changes discussed on Item 2-D. The motion was seconded by Vice-Chairman Wood and carried unanimously:

2-A. Consideration and Approval of the Minutes for:

April 17, 2012 Special Meeting

2-B. Consideration and Approval of Right of Entry for the West Rail Project, Construction Easement – Site 4 Parcel 1(E) and Site 4 Temporary Construction Easement 1

2-C. Consideration and Approval of Right of Entry for the West Rail Project, Construction Easement – Site 4 Parcel 3(E), Site 4 Temporary Construction Easement 2 and Site 4 Temporary Construction Easement 3

Mr. Pete Sepulveda, Jr., RMA Coordinator, explained Items 2-B and 2-C stating that there were five Permanent Easements and several Temporary Construction Easements that needed to be acquired in order to relocate three gas transmission lines that will impact five different parcels. Mr. Sepulveda stated that in an effort to be able to start construction of the gas line relocations, they are requesting right of entries for construction from the property owners impacted. He mentioned that a pre-construction meeting was to be held May 1, 2012 with the Contractor starting work in mid May. Mr. Sepulveda also stated there was an Agreement in place to acquire the right of way/easements for TransMontaigne.

The Right of Entry's are as follows:

2-D. Consideration and Authorization to allow Pete Sepulveda, Jr., RMA Coordinator to execute documents on behalf of the Cameron County Regional Mobility Authority

Mr. Sepulveda advised the Board the reason for Item 2-D. He stated that these were documents that will be signed after Board approval.

2-E. Consideration and Approval of an Agreement between the Cameron County Regional Mobility Authority and American Electric Power for the SH 550 Project

On Item 2-E, Mr. Sepulveda stated that this was a utility relocation for SH 550 and that the Agreement was the Standard Texas Department of Transportation Utility Reimbursement Agreement. 50% of cost will be reimbursed to the utility company.

The Agreement is as follows:

2-F. Consideration and Approval of Supplemental Work Authorization No. 1 to Work Authorization No. 38 for the SH 550 Port Spur/FM 1847 - RFI's, Shop Drawing Review for a Time Extension

Mr. Sepulveda mentioned that Item 2-F was just a Time Extension to match the end of construction for SH 550 and the contract time between the Texas Department of Transportation and their contractor Anderson Columbia.

The Supplemental Work Authorization is as follows:

2-G. Consideration and Approval to Request RFQ's for Construction Management Services for the SH 550 Direct Connector Project

On Item 2-G, Mr. Sepulveda stated that it was to request qualifications for Construction Management Services for SH 550 once the project is under construction. Mr. Sepulveda stated that the Board had previously approved the advertisement of the project.

ACTION ITEMS

3-A. Approval of Claims

The attached claims were presented to the Board of Directors for approval.

Mr. Pete Sepulveda, Jr., RMA Coordinator introduced Claims into the record.

Director Scaief made a motion to approve the Claims. The motion was seconded by Director Garza and carried unanimously.

The Claims are as follows:

3-B. Consideration and Approval of Change Orders #2, #12, #15 and #16 for the SH 550 Project

Mr. Jimmy Berry with HNTB went over every proposed Change Order and the reason for the Change Order. He mentioned that it was a total savings of \$61,127.54

Director Scaief made a motion to approve Change Orders #2, #12, #15 and #16 for the SH 550 Project. The motion was seconded by Director Garza and carried unanimously.

The Change Order is as follows:

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4. ADJOURNMENT

There being no further business to come before the Board and upon motion by Director Scaief seconded by Director Esparza and carried unanimously the meeting was **ADJOURNED** at 12:20 P.M.

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APPROVED this 14th day of May 2012.



CHAIRMAN DAVID E. ALLEX

ATTESTED:



SECRETARY RUBEN GALLEGOS, JR.

2-B CONSIDERATION AND APPROVAL OF RIGHT OF ENTRY FOR THE WEST RAIL PROJECT, CONSTRUCTION EASEMENT – SITE 4 PARCEL 1(E) AND SITE 4 TEMPORARY CONSTRUCTION EASEMENT 1

RIGHT OF ENTRY AND POSSESSION

West Rail Relocation Project
Construction Easement – Site 4 Parcel 1(E)
Site 4 Temporary Construction Easement 1

STATE OF TEXAS

§

COUNTY OF CAMERON

§

§

WHEREAS, Luz Esquivel, of the County of Cameron, State of Texas, is (are) the owner(s), hereinafter referred to as Grantors, whether one or more, of a certain tract or parcel of land, hereinafter referred to as the Parcel, which is more fully described in Exhibit “A,” which is attached hereto and incorporated herein for any and all purposes; and,

WHEREAS, the Cameron County Regional Mobility Authority intends to acquire an easement for in said Parcel, for the purpose of constructing a gas line for the West Rail Relocation Project and appurtenances thereto; and,

WHEREAS, the Cameron County Regional Mobility Authority, intends to acquire the easement, by purchase, or upon failure to purchase by means of condemnation proceedings; and,

WHEREAS, the Cameron County Regional Mobility Authority, requires a right of entry to said Parcel for the purpose of beginning construction of said gas line;

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS, that Grantor for and in consideration of the sum of One Dollar (\$ 1.00) and other good and valuable consideration to her in hand paid by the Cameron County Regional Mobility Authority, the receipt and sufficiency of which is hereby acknowledged and confessed, have Granted, Bargained, Sold and Conveyed and by these presents do Grant, Bargain, Sell and Convey unto the Cameron County Regional Mobility Authority the right of entry upon said parcel to remove crops and vegetation that have been planted, if any, with which the land is encumbered and the right of entry upon said parcel for the purpose of constructing a gas line and appurtenances thereto.

This grant of right of entry is conditioned strictly upon the following:

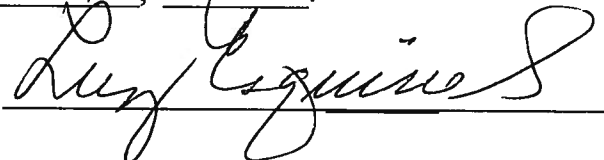
1. The grant herein made shall not prejudice, in any way, Grantors' rights concerning any subsequent eminent domain proceeding concerning the Parcel, including without limitation, Grantor’s right to receive full and just compensation for the interests to be acquired by the Cameron County Regional Mobility Authority in the Parcel, encumbered with the improvements thereon, if any, save and except all oil, gas and sulphur as hereinabove provided, and damages, if any, to the remaining property interests resulting from such acquisition.
2. The Cameron County Regional Mobility Authority agrees to acquire an easement either by purchase or, in the alternative, agrees to initiate condemnation proceedings for the acquisition of said easement in good faith and in a timely manner.

3. The parties agree that the date of taking for all purposes relating to any eminent domain proceeding concerning the Parcel (including, among other things, for the purpose of establishing the date of valuation and the date interest began to accrue) shall be the date of execution of this agreement.
4. This right of entry shall extend to the Cameron County Regional Mobility Authority, its contractors, assigns and/or owners of any utility involved in the West Rail Relocation Project for the additional purposes of locating utility lines, replacing, repairing, making improvements to and/or maintaining the existing utility lines that lie within the Parcel. Said utility lines include, but are not limited to, those owned by: TransMontaigne Razorback, and P.M.I. Services North America, Inc. Through this agreement, Grantor grants such rights to the extent of his/her interests, but does not purport to convey any interests of the owners of such utility lines. This right of entry shall extend to the Cameron County Regional Mobility Authority, its contractors, assigns and/or owners for the purpose of constructing the gas line.
5. Grantor herein warrants that she has full power and authority to execute this agreement on behalf of the party executing this agreement as Grantor.
6. If any provision of this agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision herein, and this agreement shall be construed as if such invalid, illegal or unenforceable provisions had never been contained herein.
7. Grantor and Cameron County Regional Mobility Authority may execute this agreement in one or more identical counterparts, all of which when taken together will constitute one and the same instrument.

TO HAVE AND TO HOLD the right of entry for this Parcel described in Exhibit "A" for the purposes and subject to the limitations hereinabove set forth.

Executed this, the 19th day of April, 2012.

ATTEST:

By: 

Acknowledgement

State of Texas
County of Cameron

Exhibit _____

County: Cameron
Railroad: West Rail Bypass
Project Limits:

PROPERTY DESCRIPTION FOR SITE 4 PARCEL 1 E
P.M.I. Services North America Inc.

Being 0.199 acres of land (8,681 square feet) out of the Jose Salvador de la Garza Survey, Abstract Number 2, Espiritu Santo Grant, Cameron County, Texas, said 0.199 acres also being in part out of a 29.38 acre remainder from a 45.64 acre tract described in a deed dated December 15, 1970 from Brent Pruden to Luz Esquivel and recorded in Volume 900, Page 721 of the Deed Records of Cameron County, Texas, said 0.199 acres of land also being in part out of a 9.163 acre remainder from a 10.000 acre tract described in a deed from Roberto Esquivel to Luz Esquivel and recorded in Volume 7592, Page 198 of the Official Records of Cameron County, said 0.199 acres of land being more particularly described as follows;

COMMENCING at a 5/8 inch iron rod with RODS Surveying cap set for the northwesterly corner of a 0.837 acre tract described in a deed dated December 22, 2009 from Cameron County to the Cameron County Regional Mobility Authority and recorded in Volume 16799, Page 158 of the Official Records of Cameron County, said point also being in a curve to the right and on the existing westerly right-of-way line of the West Rail Bypass, thence as follows:

In a southwesterly direction, along the existing west right-of-way line of said West Rail Bypass, and along said curve to the right a distance of 398.00 feet to the **POINT OF BEGINNING** of the herein described parcel, said point also being a northeasterly corner of the proposed P.M.I. Services North America Inc. pipeline easement, and having State Plane Coordinates surface value of $X = 1,302,640.52$ and $Y = 16,525,044.56$, said curve having a central angle of $12^{\circ}13'38''$, a radius 1,865.00 feet and a chord bearing of South $16^{\circ}15'06''$ West, a distance of 397.25 feet;

1. THENCE, continuing in a southwesterly direction, along the existing west right-of-way line of said West Rail Bypass, along the proposed P.M.I. Services North America Inc. pipeline easement and along said curve to the right a distance of 52.57 to the southeasterly corner of the herein described parcel, said curve having a central angle of $01^{\circ}36'54''$, a radius 1,865.00 feet and a chord bearing of South $23^{\circ}10'26''$ West, a distance of 52.56 feet;
2. THENCE, South $57^{\circ}58'30''$ West, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 243.63 feet to the southwesterly corner of the herein described parcel;

Exhibit _____

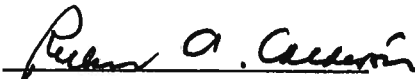
3. THENCE, North 39°07'42" West, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 44.22 feet to the northwesterly corner of the herein described parcel, said point being in the existing southerly line of a 30 foot pipeline right-of-way described in a deed from Luz Esquivel to P.M.I. Services North America, Inc. and recorded in Volume 8443, Page 160 of the Official Records of Cameron County;
4. THENCE, North 28°22'18" East, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 32.47 feet to a point for a corner in the existing northerly line of said existing 30 foot pipeline right-of-way;
5. THENCE, South 39°07'42" East, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 30.15 feet to an inside corner of the herein described parcel;
6. THENCE, North 57°58'30" East, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 260.30 feet to the **POINT OF BEGINNING** and containing 0.199 acres (8,681 square feet) of land.

Notes:

1. All bearings and coordinates are based on the Texas State Plane Coordinate System, South Zone, North American Datum of 1983, 1993 adjustment. All distances and coordinates shown are surface and may be converted to grid by dividing by a combined adjustment factor of 0.99996.

2. A parcel plat of even date was prepared in conjunction with this property description.

I, Ruben A. Calderon, hereby certify that the above description is true and correct and depicts a survey made on the ground under my supervision during the month of February 2012.


Ruben A. Calderon, RPLS
Texas Registration Number 5109

RODS Surveying Inc.
6810 Lee Road
Spring, Texas 77379
Phone (281)-257-4020



Exhibit _____

County: Cameron
Railroad: West Rail Bypass
Project Limits:

**PROPERTY DESCRIPTION FOR SITE 4 PARCEL TCE #1
P.M.I. Services North America Inc.**

Being 2.028 acres of land (88,348 square feet) out of the Jose Salvador de la Garza Survey, Abstract Number 2, Espiritu Santo Grant, Cameron County, Texas, said 2.028 acres also being in part out of a 29.38 acre remainder from a 45.64 acre tract described in a deed dated December 15, 1970 from Brent Pruden to Luz Esquivel and recorded in Volume 900, Page 721 of the Deed Records of Cameron County, Texas, said 2.028 acres of land also being in part out of a 9.163 acre remainder from a 10.000 acre tract described in a deed from Roberto Esquivel to Luz Esquivel and recorded in Volume 7592, Page 198 of the Official Records of Cameron County, said 2.028 acres of land being more particularly described as follows;

COMMENCING at a 5/8 inch iron rod with RODS Surveying cap set for the northwesterly corner of a 0.837 acre tract described in a deed dated December 22, 2009 from Cameron County to the Cameron County Regional Mobility Authority and recorded in Volume 16799, Page 158 of the Official Records of Cameron County, said point also being in a curve to the right and on the existing westerly right-of-way line of the West Rail Bypass, thence as follows:

In a southwesterly direction, along the existing west right-of-way line of said West Rail Bypass, and along said curve to the right a distance of 398.00 feet to a point for a corner in the northerly line of the proposed P.M.I. Services North America Inc. pipeline easement, said curve having a central angle of 12°13'38", a radius 1,865.00 feet and a chord bearing of South 16°15'06" West, a distance of 397.25 feet;

South 57°58'30" West, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 255.67 feet the **POINT OF BEGINNING** of the herein described parcel and having State Plane Coordinates surface value of X = 1,302,423.76 and Y = 16,524,908.98;

1. THENCE, South 57°58'30" West, continuing along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 4.63 feet;
2. THENCE, North 39°07'42" West, continuing along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 30.15 feet to a point for a corner in the existing northerly line of a 30 foot pipeline right-of-way described in a deed from Luz Esquivel to P.M.I. Services North America, Inc. and recorded in Volume 8443, Page 160 of the Official Records of Cameron County;

Exhibit _____

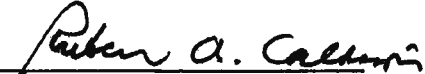
3. THENCE, South 28°22'18" West, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 32.47 feet to a point for a corner in the existing southerly line of said existing 30 foot pipeline right-of-way;
4. THENCE, South 39°07'42" East, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 44.22 feet to an inside corner of the herein described parcel;
5. THENCE, North 57°58'30" East, along the proposed P.M.I. Services North America Inc. pipeline easement a distance of 31.13 to a point for a corner;
6. THENCE, South 32°01'30" East a distance of 60.00 feet to a point for a corner;
7. THENCE, South 57°58'30" West a distance of 250.00 feet to a point for a corner;
8. THENCE, North 32°01'30" West a distance of 50.00 feet to a point for a corner;
9. THENCE, South 57°58'30" West a distance of 700.00 feet to a point for a corner;
10. THENCE, North 32°01'30" West a distance of 75.00 feet to a point for a corner;
11. THENCE, North 57°58'30" East a distance of 700.00 feet to a point for a corner;
12. THENCE, North 32°01'30" West a distance of 25.00 feet to a point for a corner;
13. THENCE, North 57°58'30" East a distance of 250.00 feet to a point for a corner;
14. THENCE, South 32°01'30" East a distance of 60.00 feet to the **POINT OF BEGINNING** and containing 2.028 acres (88,348 square feet) of land.

Notes:

1. All bearings and coordinates are based on the Texas State Plane Coordinate System, South Zone, North American Datum of 1983, 1993 adjustment. All distances and coordinates shown are surface and may be converted to grid by dividing by a combined adjustment factor of 0.99996.
2. A parcel plat of even date was prepared in conjunction with this property description.

Exhibit _____

I, Ruben A. Calderon, hereby certify that the above description is true and correct and depicts a survey made on the ground under my supervision during the month of February 2012.

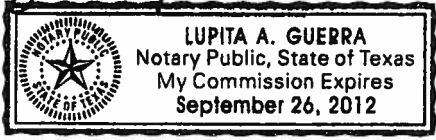


Ruben A. Calderon, RPLS
Texas Registration Number 5109

RODS Surveying Inc.
6810 Lee Road
Spring, Texas 77379
Phone (281)-257-4020



This instrument was acknowledged before me on April 19, 2012
by Luzy Esquivel



[Signature]
Notary Public's Signature

Corporate Acknowledgment

State of Texas
County of

This instrument was acknowledged before me on _____ by _____
of _____, a _____ corporation, on behalf of said corporation.

Notary Public's Signature

ACCEPTED AND AGREED TO by the Cameron County Regional Mobility Authority this 30th the
day of April, 2012.

**CAMERON COUNTY
REGIONAL MOBILITY AUTHORITY**

Executed by and approved for the Cameron County Regional Mobility Authority for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Cameron County Regional Mobility Authority.

By: [Signature] 4.30.12
David E. Allex, Chairman / date

Attested By: [Signature]
Ruben Gallegos, Jr., Secretary
date 4.30.12

2-C CONSIDERATION AND APPROVAL OF RIGHT OF ENTRY FOR THE WEST RAIL PROJECT, CONSTRUCTION EASEMENT – SITE 4 PARCEL 3(E), SITE 4 TEMPORARY CONSTRUCTION EASEMENT 2 AND SITE 4 TEMPORARY CONSTRUCTION EASEMENT 3

2. The Cameron County Regional Mobility Authority agrees to acquire the Parcel either by purchase of said land or, in the alternative, agrees to initiate condemnation proceedings for the acquisition of said Parcel in a good faith and timely manner.
3. The parties agree that the date of taking for all purposes relating to any eminent domain proceeding concerning the Parcel (including, among other things, for the purpose of establishing the date of valuation and the date interest began to accrue) shall be the date of execution of this agreement.
4. This right of entry and possession shall extend to the Cameron County Regional Mobility Authority, its contractors, assigns and/or owners of any utility involved in the West Rail Relocation Project for the additional purposes of locating utility lines, replacing, repairing, making improvements to and/or maintaining the existing utility lines that lie within the Parcel. Said utility lines include, but are not limited to, those owned by: TransMontaigne Razorback, and P.M.I. Services North America, Inc. Through this agreement, Grantor grants such rights to the extent of his/her interests, but does not purport to convey any interests of the owners of such utility lines. This right of entry and possession shall extend to the Cameron County Regional Mobility Authority, its contractors, assigns and/or owners for the purpose of constructing the gas line.
5. Grantor herein warrants that he/she has full power and authority to execute this agreement on behalf of the party executing this agreement as Grantor.
6. If any provision of this agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision herein, and this agreement shall be construed as if such invalid, illegal or unenforceable provisions had never been contained herein.
7. Grantor and Cameron County Regional Mobility Authority may execute this agreement in one or more identical counterparts, all of which when taken together will constitute one and the same instrument.

TO HAVE AND TO HOLD the possession of the Parcel described in the said Exhibit "A" for the purposes and subject to the limitations hereinabove set forth.

Executed this, the 16th day of April, 2012.

ATTEST:


By: 

Exhibit _____

County: Cameron
Railroad: West Rail Bypass
Project Limits:

**PROPERTY DESCRIPTION FOR SITE 4 PARCEL 3 E
P.M.I. Services North America Inc.**

Being 0.099 acres of land (4,312 square feet) out of the Jose Salvador de la Garza Survey, Abstract Number 2, Espiritu Santo Grant, Cameron County, Texas, said 0.099 acres also being out of a 6.14 acre tract described in a deed dated September 1, 2009 from S & S Truck Sales to Juan Antonio Silva and recorded in Volume 16472, Page 138 of the Official Records of Cameron County, said 0.099 acres of land also being out of Lot 1 of the Valle Del Sol Re-subdivision map of which is recorded in Cabinet 1, Slide 233B of the Cameron County Map Records said 0.099 acres of land being more particularly described as follows;

COMMENCING at a 1/2 inch iron rod in concrete found at the northeasterly corner of said Lot 1, thence as follows:

South 54°27'38" West, along the northerly line of said Lot 1 a distance of 702.20 feet to a point on the easterly line of a 0.667 acre tract of land described in a deed S & S Truck Sales to Brownsville Navigation District and recorded in Volume 5267, Page 180 of the Official Records of Cameron County, said point also being in a curve to the left;

In a southeasterly direction along said curve to the left and along the easterly line of said 0.667 acre tract a distance of 56.27 feet to the **POINT OF BEGINNING** of the herein described parcel, said point also being the northwesterly corner of the proposed P.M.I. Services North America Inc. pipeline easement, and having State Plane Coordinates surface value of X = 1,302,998.66 and Y = 16,525,268.57, said curve having a central angle of 04°54'31", a radius 656.78 feet and a chord bearing of South 15°16'28" East, a distance of 56.25 feet;

1. **THENCE**, North 57°58'30" East, along the northerly line of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 133.11 feet to an angle point;
2. **THENCE**, South 81°02'59" East, continuing along the northerly line of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 19.12 feet to a point for a corner in the northerly line of an existing 20 foot wide pipeline easement described in a deed to P. M. I. Services North America, Inc. and recorded in Volume 8443, Page 167 of the Official Records of Cameron County;

Exhibit _____

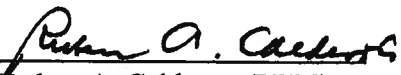
3. THENCE, South 12°13'24" East, along the easterly end of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 30.05 feet to a point for a corner in the southerly line of said existing P. M. I. Services North America, Inc. 20 foot wide pipeline easement;
4. THENCE, North 81°02'59" West, along the southerly line of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 6.20 feet an angle point;
5. THENCE, North 57°58'30" East, along the southerly line of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 128.81 feet to the southwesterly corner of the herein described parcel, said point also being in the westerly line of said 6.14 acre tract and in a curve to the right;
6. THENCE, in a northwesterly direction along said curve to the right and along the westerly line of said 6.14 acre tract a distance of 30.79 feet to the **POINT OF BEGINNING** and containing 0.099 acres (4,312 square feet) of land, said curve having a central angle of 02°41'09", a radius 656.78 feet and a chord bearing of North 19°03'48" West, a distance of 30.78 feet.

Notes:

1. All bearings and coordinates are based on the Texas State Plane Coordinate System, South Zone, North American Datum of 1983, 1993 adjustment. All distances and coordinates shown are surface and may be converted to grid by dividing by a combined adjustment factor of 0.99996.

2. A parcel plat of even date was prepared in conjunction with this property description.

I, Ruben A. Calderon, hereby certify that the above description is true and correct and depicts a survey made on the ground under my supervision during the month of February 2012.


Ruben A. Calderon, RPLS
Texas Registration Number 5109

RODS Surveying Inc.
6810 Lee Road
Spring, Texas 77379
Phone (281)-257-4020



Exhibit _____

County: Cameron
Railroad: West Rail Bypass
Project Limits:

**PROPERTY DESCRIPTION FOR SITE 4 PARCEL T.C.E. No. 2
P.M.I. Services North America Inc.**

Being 0.361 acres of land (15,721 square feet) out of the Jose Salvador de la Garza Survey, Abstract Number 2, Espiritu Santo Grant, Cameron County, Texas, said 0.361 acres also being out of a 6.14 acre tract described in a deed dated September 1, 2009 from S & S Truck Sales to Juan Antonio Silva and recorded in Volume 16472, Page 138 of the Official Records of Cameron County, said 0.361 acres of land also being out of Lot 1 of the Valle Del Sol Resubdivision map of which is recorded in Cabinet 1, Slide 233B of the Cameron County Map Records said 0.361 acres of land being more particularly described as follows;

COMMENCING at a 1/2 inch iron rod in concrete found at the northeasterly corner of said Lot 1, thence as follows:

South 54°27'38" West, along the northerly line of said Lot 1 a distance of 369.36 feet a point for a corner;

South 36°02'59" East, a distance of 7.49 feet to the **POINT OF BEGINNING** of the herein described parcel, said point also being the northeasterly corner of the herein described parcel and having State Plane Coordinates surface value of X = 1,303,259.09 and Y = 16,525,510.24;

1. THENCE, South 36°02'59" East, a distance of 65.00 feet to the southeasterly corner of the herein described parcel, said point also being in the northerly line of an existing 20 foot wide pipeline easement described in a deed to P. M. I. Services North America, Inc. and recorded in Volume 8443, Page 167 of the Official Records of Cameron County;
2. THENCE, South 53°57'01" West, along the northerly line of said existing P. M. I. Services North America, Inc. 20 foot wide pipeline easement a distance of 206.48 feet to a point for a corner in the northerly line of the proposed P.M.I. Services North America Inc. pipeline easement;
3. THENCE, North 81°02'59" West, along the northerly line of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 19.12 feet to a point for a corner;
4. THENCE, South 57°58'30" West, continuing along the northerly line of the proposed P.M.I. Services North America Inc. pipeline easement a distance of 49.37 feet to a point for a corner;

Exhibit _____

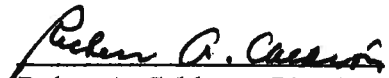
5. THENCE, North 36°02'59" West, a distance of 49.37 feet to the northwesterly corner of the herein described parcel;
6. THENCE, North 53°57'01" East, a distance of 250.00 feet to the **POINT OF BEGINNING** and containing 0.361 acres (15,721 square feet) of land.

Notes:

1. All bearings and coordinates are based on the Texas State Plane Coordinate System, South Zone, North American Datum of 1983, 1993 adjustment. All distances and coordinates shown are surface and may be converted to grid by dividing by a combined adjustment factor of 0.99996.

2. A parcel plat of even date was prepared in conjunction with this property description.

I, Ruben A. Calderon, hereby certify that the above description is true and correct and depicts a survey made on the ground under my supervision during the month of February 2012.


Ruben A. Calderon, RPLS
Texas Registration Number 5109

RODS Surveying Inc.
6810 Lee Road
Spring, Texas 77379
Phone (281)-257-4020



Exhibit _____

County: Cameron
Railroad: West Rail Bypass
Project Limits:

**PROPERTY DESCRIPTION FOR SITE 4 PARCEL T.C.E. No. 3
P.M.I. Services North America Inc.**

Being 0.373 acres of land (16,250 square feet) out of the Jose Salvador de la Garza Survey, Abstract Number 2, Espiritu Santo Grant, Cameron County, Texas, said 0.373 acres also being out of a 6.14 acre tract described in a deed dated September 1, 2009 from S & S Truck Sales to Juan Antonio Silva and recorded in Volume 16472, Page 138 of the Official Records of Cameron County, said 0.373 acres of land also being out of Lot1 of the Valle Del Sol Resubdivision map of which is recorded in Cabinet 1, Slide 233B of the Cameron County Map Records said 0.142 acres of land being more particularly described as follows;

COMMENCING at a 1/2 inch iron rod in concrete found at the northeasterly corner of said Lot 1, thence as follows:

South 54°27'38" West, along the northerly line of said Lot 1 a distance of 369.36 feet a point for a corner;

South 36°02'59" East, a distance of 92.49 feet to the **POINT OF BEGINNING** of the herein described parcel, said point also being the northeasterly corner of the herein described parcel and having State Plane Coordinates surface value of X = 1,303,259.09 and Y = 16,525,510.24, said point also being in the southerly line of an existing 20 foot wide pipeline easement described in a deed to P. M. I. Services North America, Inc. and recorded in Volume 8443, Page 167 of the Official Records of Cameron County;

1. THENCE, South 36°02'59" East, a distance of 65.00 feet to the southeasterly corner of the herein described parcel;
2. THENCE, South 53°57'01" West, a distance of 250.00 feet to the southwesterly corner of the herein described parcel;
3. THENCE, North 36°02'59" West, a distance of 65.00 feet to the northwesterly corner of the herein described parcel, said point also being in the southerly line of said existing P. M. I. Services North America, Inc. 20 foot wide pipeline easement;
4. THENCE, North 53°57'01" East, along the southerly line of said existing P. M. I. Services North America, Inc. 20 foot wide pipeline easement a distance of 250.00 feet to the **POINT OF BEGINNING** and containing 0.373 acres (16,250 square feet) of land.

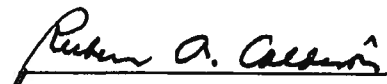
Exhibit _____

Notes:

1. All bearings and coordinates are based on the Texas State Plane Coordinate System, South Zone, North American Datum of 1983, 1993 adjustment. All distances and coordinates shown are surface and may be converted to grid by dividing by a combined adjustment factor of 0.99996.

2. A parcel plat of even date was prepared in conjunction with this property description.

I, Ruben A. Calderon, hereby certify that the above description is true and correct and depicts a survey made on the ground under my supervision during the month of February 2012.



Ruben A. Calderon, RPLS
Texas Registration Number 5109

RODS Surveying Inc.
6810 Lee Road
Spring, Texas 77379
Phone (281)-257-4020



Acknowledgement

State of Texas
County of Cameron

This instrument was acknowledged before me on April 16, 2012

by Juan Antonio Silva



Trista Lorraine Valdez
Notary Public's Signature

Corporate Acknowledgment

State of Texas
County of

This instrument was acknowledged before me on _____ by _____

of _____, a _____ corporation, on behalf of said corporation.

Notary Public's Signature

ACCEPTED AND AGREED TO by the Cameron County Regional Mobility Authority this 30th the day of April, 2012.

**CAMERON COUNTY
REGIONAL MOBILITY AUTHORITY**

Executed by and approved for the Cameron County Regional Mobility Authority for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Cameron County Regional Mobility Authority.

By: David E. Alex 4.30.12
David E. Alex, Chairman date

Attested By: Ruben Gallegos, Jr. 4.30.12
Ruben Gallegos, Jr., Secretary date

2-D CONSIDERATION AND AUTHORIZATION TO ALLOW PETE SEPULVEDA, JR., RMA COORDINATOR TO EXECUTE DOCUMENTS ON BEHALF OF THE CAMERON COUNTY REGIONAL MOBILITY AUTHORITY

STATE OF TEXAS

§
§
§

COUNTY OF CAMERON

BE IT RESOLVED THAT ON THE 30TH DAY OF APRIL, 2012, THE CAMERON COUNTY REGIONAL MOBILITY AUTHORITY CONVENED IN SPECIAL SESSION, AND UPON THE REQUEST OF THE CAMERON COUNTY BOARD OF DIRECTORS, THE FOLLOWING ITEM WAS OFFERED AND ADOPTED, TO WIT:

**“CONSIDERATION AND AUTHORIZATION TO ALLOW PETE SEPULVEDA, JR.,
RMA COORDINATOR TO EXECUTE DOCUMENTS ON BEHALF OF THE
CAMERON COUNTY REGIONAL MOBILITY AUTHORITY”**

WHEREAS, when acquiring right of way for the Cameron County Regional Mobility Authority it is necessary for Staff to sign and/or initial necessary paperwork on behalf of the Cameron County Regional Mobility Authority and when signing other documents as necessary; and

WHEREAS, the Cameron County Regional Mobility Authority has found it necessary to allow Pete Sepulveda, Jr., RMA Coordinator to execute documents on behalf of the Cameron County Regional Mobility Authority after the Board of Directors has approved the document at a duly posted Board of Directors meeting.

NOW, THEREFORE, BE IT RESOLVED that the Cameron County Regional Mobility Authority has granted its Approval authorizing Pete Sepulveda, Jr., RMA Coordinator to execute documents on behalf of the Cameron County Regional Mobility Authority.

Passed, Approved and Adopted on this 30th day of April 2012.

Attest:



RUBEN GALLEGOS, JR.
CCRMA SECRETARY



DAVID E. ALEX
CCRMA CHAIRMAN

**2-E CONSIDERATION AND APPROVAL OF AN AGREEMENT BETWEEN
THE CAMERON COUNTY REGIONAL MOBILITY AUTHORITY AND
AMERICAN ELECTRIC POWER FOR THE SH 550 PROJECT**

STANDARD UTILITY AGREEMENT

Project: SH 550 from U.S. 77/83 Expressway to 0.53 Miles East of Old Alice Road

This Agreement by and between the Cameron County Regional Mobility Authority ("**CCRMA**"), acting by and through its CCRMA Board of Directors, and AEP Texas, ("**Utility**"), acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **CCRMA**.

WHEREAS, the **CCRMA** has deemed it necessary to make certain highway improvements as designated by the **State** and approved by the Federal Highway Administration within the limits of the highway as indicated above;

WHEREAS, the proposed highway improvements will necessitate the adjustment, removal, and/or relocation of certain facilities of Utility as indicated in the following statement of work: Adjust an existing 3 phase, 7.2/12kV distribution overhead power line highway crossing U.S. 77/83 at station 4010+00 by installing taller poles on both side of the highway to maintain proper clearance over the new highway. Convert 2 existing 7.2/12kV distribution overhead power line highway crossings on SH 511 to underground via a directional boring method at station 1075+00 (Old Alice Road) and station 2010+20 (Olmito Street, FM 803); and more specifically shown in Utility's plans, specifications and estimated costs, which are attached hereto as Attachment "A".

WHEREAS, the **CCRMA** will participate in the costs of the adjustment, removal, and/or relocation of certain facilities.

WHEREAS, the **CCRMA**, upon receipt of evidence it deems sufficient, acknowledges Utility's interest in certain lands and/or facilities that entitle it to reimbursement for the adjustment, removal, and relocation of certain of its facilities located upon the lands as indicated in the statement of work above.

NOW, THEREFORE, BE IT AGREED:

The **CCRMA** will pay to Utility the costs incurred in adjustment, removal, and/or relocation of Utility's facilities up to the amount said costs may be eligible for **CCRMA** participation.

The **CCRMA** and Utility agree that all conduct under this agreement, including but not limited to the adjustment, removal and relocation of the facility, the development and reimbursement of costs, any environmental requirements, and retention of records will be in accordance with 23 CFR 645, Subparts A & B and all other applicable federal and state laws, rules and regulations. Utility agrees to supply, upon request by the **CCRMA**, proof of compliance with the aforementioned laws, rules and regulations prior to the commencement of construction.

The **Utility** agrees to develop relocation or adjustment costs by accumulating actual direct and related indirect costs in accordance with a work order accounting procedure prescribed by the **CCRMA**, or may, with the **CCRMA**'s approval, accumulate actual direct and related indirect costs in accordance with an established accounting procedure developed by Utility. Bills for work hereunder will be submitted to the **CCRMA** not later than 90 days after completion of the work.

When requested, the **CCRMA** will make intermediate payments at not less than monthly intervals to Utility when properly billed and such payments will not exceed 50% of the eligible cost as shown in each such billing. In addition, the **CCRMA** will make a payment, before audit, which will bring the total percentage paid to the Utility up to the 50% eligible cost. Intermediate payments shall not be construed as final payment for any items included in the intermediate payment.

Alternatively, CCRMA agrees to pay Utility an agreed lump sum of \$N/A as supported by the attached estimated costs. The CCRMA will, upon satisfactory completion of the adjustments, removals, and/or relocations and upon receipt of a final billing, make payment to Utility in the agreed amount.

Upon execution of this agreement by both parties hereto, the CCRMA will, by written notice, authorize the Utility to perform such work diligently, and to conclude said adjustment, removal, or relocation by the stated completion date. The completion date shall be extended for delays caused by events outside Utility's control, including an event of Force Majeure, which shall include a strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, accident, fire, flood or other act of God, sabotage, or other events, interference by the CCRMA or any other party with Utility's ability to proceed with the relocation, or any other event in which Utility has exercised all due care in the prevention thereof so that the causes or other events are beyond the control and without the fault or negligence of Utility.

The CCRMA will, upon satisfactory completion of the relocation or adjustment and upon receipt of final billing prepared in an approved form and manner, make payment in the amount of 50% of the eligible costs as shown in the final billing prior to audit and after such audit shall make an additional final payment totaling the reimbursement amount found eligible for CCRMA reimbursement.

Unless an item below is stricken and initialed by the CCRMA and Utility, this agreement in its entirety consists of the following:

1. Standard Utility Agreement;
2. Plans, Specifications, and Estimated Costs (Attachment "A");
- ~~3. Utility's Accounting Method (Attachment "B");~~
- ~~4. Utility's Schedule of Work and Estimated Date of Completion (Attachment "C");~~
- ~~5. Statement Covering Contract Work - ROW-U 48 (Attachment "D");~~
- ~~6. Eligibility Ratio (Attachment "F");~~
- ~~7. Betterment Calculation and Estimates (Attachment "G");~~
- ~~8. Proof of Property Interest - ROW-U-1 A, ROW-U-1 B, or ROW-U-1 C (Attachment "H");~~
9. Utility Joint Use Acknowledgment - ROW -U-JUA (Attachment "E").

All attachments are included herein as if fully set forth. In the event it is determined that a substantial change from the statement of work contained in this agreement is required, reimbursement therefore shall be limited to costs covered by a modification or amendment of this agreement or a written change or extra work order approved by the CCRMA and Utility.

This agreement is subject to cancellation by the CCRMA at any time up to the date that work under this agreement has been authorized and that such cancellation will not create any liability on the part of the CCRMA.

The CCRMA Auditor may conduct an audit or investigation of any entity receiving funds from the CCRMA directly under this contract or indirectly through a subcontract under this contract. Acceptance of funds directly under this contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the CCRMA Auditor, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the CCRMA Auditor with access to any information the CCRMA Auditor considers relevant to the investigation or audit.

The Utility by execution of this agreement does not waive any of the rights which Utility may have within the limits of the law.

It is expressly understood that the Utility conducts the adjustment, removal, or relocation at its own risk and that the CCRMA makes no warranties or representations regarding the existence or location of utilities currently within its right of way.

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

UTILITY

Utility: AEP Texas Central Company
Name of Utility

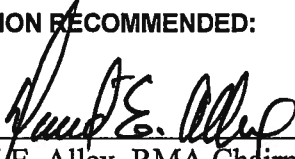
By: 
Authorized Signature

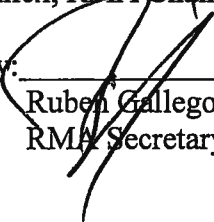
Julio C. Reyes
Print or Type Name

Title: Vice President of External Affairs

Date: 5/15/12

EXECUTION RECOMMENDED:


David E. Allex, RMA Chairman

Attested By: 
Ruben Gallegos, Jr.
RMA Secretary

**2-F CONSIDERATION AND APPROVAL OF SUPPLEMENTAL WORK
AUTHORIZATION NO. 1 TO WORK AUTHORIZATION NO. 38 FOR
THE SH 550 PORT SPUR/FM 1847 - RFI'S, SHOP DRAWING REVIEW
FOR A TIME EXTENSION**

CAMERON COUNTY REGIONAL MOBILITY AUTHORITY
General Engineering Consultant Services

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
WORK AUTHORIZATION NO. 38
SH 550 Port Spur/FM 1847 – RFIs, SHOP DRAWING REVIEW

This Supplemental Work Authorization No. 1 to Work Authorization No. 38 is made pursuant to the terms and conditions of the Base Contract, effective February 16, 2006, hereinafter identified as the "Agreement", entered into by and between Cameron County Regional Mobility Authority (the "AUTHORITY"), and HNTB Corporation (the "CONSULTANT").

Part 1. No change is made to the responsibilities of the CONSULTANT.

Part 2. This Supplemental Work Authorization No. 1 to Work Authorization No. 38 is effective as of March 15, 2012 and shall extend the termination date from March 31, 2012, to December 31, 2012, unless extended by a Supplemental Work Authorization.

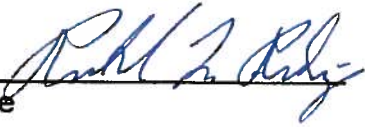
Part 3. This Supplemental Work Authorization No. 1 to Work Authorization No. 38 does not waive the parties' responsibilities and obligations provided under the Agreement.

Part 4. This Supplemental Work Authorization No. 1 to Work Authorization No. 38 is hereby accepted and acknowledged below.

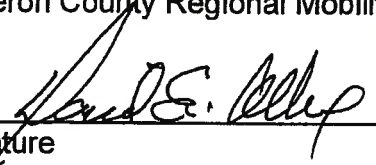
CONSULTANT:
HNTB Corporation

AUTHORITY:
Cameron County Regional Mobility Authority

By: _____
Signature



By: _____
Signature



Richard L. Ridings, P.E.
Printed Name

David E. Alex
Printed Name

Vice President
Title

Chairman
Title

4/30/12
Date

4.30.12
Date

3-A APPROVAL OF CLAIMS



Cameron County Regional Mobility Authority
Daily Check Register 04/27/2012

FY 2012

Check No.	Vendor Name	Fund	Dept.	Purpose	PO#	Amount
00001195	AVINA,VERONICA	110	110	CONTRACT FOR SERVICES FROM	P169762	200.00
				Check No. 00001195	Total	200.00
00001196	BETANCOURT,BLANCA	110	110	CONTRACT FOR SERVICES FROM	P169761	700.00
				Check No. 00001196	Total	700.00
00001197	DEHOYOS, SYLVIA	110	110	CONTRACT FOR SERVICES FROM	P169790	400.00
				Check No. 00001197	Total	400.00
00001198	GALARZA,MARTHA	110	110	CONTRACT FOR SERVICES FROM	P169760	800.00
				Check No. 00001198	Total	800.00
00001199	GARCIA,DAVID	110	110	CONTRACT FOR SERVICES FROM	P169788	6,250.00
			110	Office Supplies		175.45
				Check No. 00001199	Total	6,425.45
00001200	GREEN MOUNTAIN ENERGY COMPANY	110	110	Contractual Expense	P173844	322.73
				Check No. 00001200	Total	322.73
00001201	MCALLEN CONSTRUCTION	111	1125	Contractual Expense		21,000.98
			1125	Contractual Expense	P155459	92,574.89
				Check No. 00001201	Total	113,575.87
00001202	PENA,JESUS MARTIN	110	110	CONTRACT FOR SERVICES FROM	P169763	200.00
				Check No. 00001202	Total	200.00
00001203	QUELLHORST,HENDRICK	110	110	CONTRACT FOR SERVICES FROM	P169765	250.00
				Check No. 00001203	Total	250.00
00001204	ROBLES,MARIA A	110	110	CONTRACT FOR SERVICES FROM	P169764	450.00
				Check No. 00001204	Total	450.00
00001205	S&B INFRASTRUCTURE, LTD	110	1122	WA NO. 1 TO PROVIDE ENVIRONMEN	P176715	20,523.62
			1122	WA NO. 1 TO PROVIDE ENVIRONMEN	P176715	5,829.77
			1122	WA NO. 1 TO PROVIDE ENVIRONMEN	P176715	17,861.83
			1122	WA NO. 1 TO PROVIDE ENVIRONMEN	P176715	32,026.92
				Check No. 00001205	Total	76,242.14
00001206	SAN MIGUEL,FRANCISCO	110	110	CONTRACT FOR SERVICES FROM	P169771	300.00
				Check No. 00001206	Total	300.00
00001207	SEPULVEDA,PETE	110	110	CONTRACT SERVICES FROM	P169758	6,250.00
			110	Travel		1,408.15



Cameron County Regional Mobility Authority
Daily Check Register 04/27/2012

FY 2012

<u>Check No.</u>	<u>Vendor Name</u>	<u>Fund</u>	<u>Dept.</u>	<u>Purpose</u>	<u>PO#</u>	<u>Amount</u>
					Check No. 00001207 Total	7,658.15
00001208	TEXAS DEPARTMENT OF TRANSPORTA	111	1121	Contractual Expense	P165112	1,844.00
					Check No. 00001208 Total	1,844.00
00001209	VEGA,DYLBIA JEFFERIES	110	110	CONTRACT FOR SERVICES FROM	P169779	1,100.00
					Check No. 00001209 Total	1,100.00
					Total for All Checks:	210,468.34

Print Date: 04/27/2012 Print By: HENDRICK

**3-B CONSIDERATION AND ACKNOWLEDGEMENT OF CHANGE
ORDERS #2, #12, #15 AND #16 FOR THE SH 550 PROJECT**

3B



REPORT DATE: 2/7/2012 5:01:39PM

2

CHANGE ORDER NBR.

Functions:

<input checked="" type="checkbox"/> Extra Work	<input type="checkbox"/> Force Account
<input type="checkbox"/> Zero Dollar	<input type="checkbox"/> Final Quantity
<input checked="" type="checkbox"/> Overrun/Underrun	<input type="checkbox"/> Change Project Limits
<input type="checkbox"/> Time Adjustment	<input type="checkbox"/> Delete/Add CSJ

HIGHWAY: SH 550
 DISTRICT: 21
 COUNTY: CAMERON
 AREA ENGINEER: Hector Gonzalez, P.E. Interim
 AREA NUMBER: 055

CONTRACT ID: 362201001
 PROJECT: STP 2009(662)ES
 CONTRACT: 03103002
 AWARD AMOUNT: \$34,161,741.40
 PROJECTED AMOUNT: \$34,357,241.40
 CONTRACTOR: ANDERSON COLUMBIA CO., INC.

DESCRIPTION: FRONTAGE ROADS RE-ALIGNEMENT & REM/RELAY 30"SETS
 REASON: 1A - 1A-INCORRECT PS&E (TXDOT DESIGN)

SECONDARY REASON(S):

CO AMOUNT: \$142,412.60
 CO TYPE: FED LETTER OF AUTH - MINOR - PART
 3RD PARTY AMOUNT: \$0.00
 APPRV LEVEL: District Engineer

DESCRIBE THE REASON FOR THE CHANGE ORDER AND WHAT IS BEING CHANGED. WHEN NECESSARY, INCLUDE EXCEPTIONS TO THIS AGREEMENT:

Enclosed for your review is change order # 2 for the above mentioned project. Change order # 2 introduces quantity adjustments to existing and new contract items for the re-alignment of proposed frontage roads under existing FM 511 Northbound Underpass and a proposed equalizing culvert.

Northbound Underpass was recently constructed through the completed FM 511 project. The design for the FM 511 Northbound Underpass does not provide sufficient lateral clearance to allow for the construction of the proposed SH 550 main lanes and frontage roads. TxDOT and contractor field examined existing FM 511 Northbound Underpass header riprap and concluded that the lateral distance between the existing 2:1 slope riprap would not provide the required space needed to safely fit proposed SH 550 frontage roads. Therefore, TxDOT instructed contractor to re-align proposed NB and SB frontage roads going under existing FM 511 Northbound Underpass closer to proposed SH 550 main lanes due to design error. Additional metal beam guard fence, guardrail end treatments, terminal anchor sections, thrie-beams, concrete SSTR rail & foundation, riprap, and mountable curb were introduced to safely divide frontage roads from proposed main lanes and existing Northbound Underpass bridge columns.

TxDOT instructed contractor to remove & relay two pre-cast Safety End Treatments (SET) and install additional 30" RC Pipe (CL III) for a proposed equalizing culvert located at STA 1435+00 due to design error. Plans call for 30"x184' RC Pipe with SETs across proposed 3:1 embankment slope west of Palo Alto Railroad Overpass. Proposed 30"x184' RC Pipe culvert is too short and will be completely buried within the proposed 3:1 embankment slope. TxDOT field examined proposed culvert location, proposed RC Pipe amount and offset, proposed 3:1 embankment slopes limits, and cross section layouts. TxDOT concluded that an additional 30" X 8' RC Pipe joint was needed at each end of the above mentioned culvert in order to build the proposed 3:1 embankment slope across this culvert.

TxDOT instructed contractor to remove & relay one pre-cast SET and install additional 30" RC Pipe (CL III) for a proposed equalizing culvert located at STA. 3591+64 due to design error. Plans call for 30"x32' RC Pipe with SETs across proposed SBFR road which is too short and will be completely buried within proposed roadway. TxDOT field examined proposed culvert location, proposed RC Pipe amount and offset, and cross section layouts. TxDOT concluded that an additional 30" X 8' RC Pipe joint was needed at the right end of the above mentioned culvert in order to safely build proposed SBFR road.

See revised sheets#: 16R,21R,37R,38R,40R,42R,54R,122R,123R,133R,134R,138R,149R,150R,151R,164R,165R,155R,171R,210F,232R, AND 233R.

ADDITIONAL TIME NOT NEEDED

"By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change and that this agreement is made in accordance Item 4 and the Contract. Exceptions should be noted in explanation above."

THE CONTRACTOR

BY: _____ DATE _____
TYPED/PRINTED NAME: _____ DATE _____
TYPED/PRINTED TITLE: _____ DATE _____
AREA ENGINEER: _____ DATE _____
AREA ENGINEER'S SEAL: _____ DATE _____

DISTRICT ENGINEER: _____ DATE _____
DIRECTOR, CONSTRUCTION DIVISION: _____ DATE _____
DEPUTY EXECUTIVE DIRECTOR: _____ DATE _____
FHWA: _____ DATE _____

CONTRACT ITEMS

PROJECT NBR 362201001

CATG NBR	LINE ITEM	ITEM CODE	SP NBR	DESCRIPTION	UNIT	UNIT PRICE	ORIG + PREV REV QTY	QTY THIS CO	NEW QTY	AMOUNT THIS CO
001	0240	04202006	002	CL C CONC (RAIL FOUNDATION) EXIST ITEM# CO2	CY	450.00000	20.000	81.000	101.000	\$36,450.00
001	0265	04322039	000	RIPRAP (MOW STRIP)(4 IN) EXIST ITEM# CO#2	CY	450.00000	223.000	-10.000	213.000	-\$4,500.00
001	0270	04322066	000	RIPRAP (CONC)(CL B) EXIST ITEM# CO#2	CY	450.00000	131.000	130.000	261.000	\$58,500.00
001	0275	04502013	001	RAIL (TY SSTR) EXIST ITEM# CO#2	LF	35.00000	197.000	775.000	972.000	\$27,125.00
001	0285	04642007	003	RC PIPE (CL III)(30 IN) EXIST ITEM# CO#2	LF	47.00000	3,464.000	24.000	3,488.000	\$1,128.00
001	0487	05292032		CONC CURB (TY B) MOUNTABLE NEW ITEM# CO#2	LF	11.79000	0.000	598.000	598.000	\$7,050.42
		ADDTL CO DESCR 1		FRONTAGE RDS RE-ALIGNMENT						
001	0495	05402001	015	MTL W-BEAM GD FEN (TIM POST) EXIST ITEM# CO#2	LF	13.00000	5,525.000	350.000	5,875.000	\$4,550.00
001	0505	05402005	015	TERMINAL ANCHOR SECTION EXIST ITEM# CO#2	EA	500.00000	15.000	-1.000	14.000	-\$500.00
001	0510	05402011	015	MTL BEAM GD FEN TRANS (THRIE-BEAM) EXIST ITEM# CO#2	EA	1,400.00000	13.000	4.000	17.000	\$5,600.00
001	0515	05442001	001	GUARDRAIL END TREATMENT (INSTALL) EXIST ITEM# CO#9	EA	2,000.00000	18.000	2.000	20.000	\$4,000.00
001	0917	96082002		UNIQUE CHANGE ORDER ITEM 2 NEW ITEM# CO#2	DOL	1,003.06000	0.000	3.000	3.000	\$3,009.18
		ADDTL CO DESCR 1		REMOV & RELAY STR (SET)						

CHANGE ORDER AMOUNT \$142,412.60

TEXAS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 8

Third Party Funding Notification Sheet

This form is used when the subject change order involves funding by a source other than TxDOT/U.S. DOT, and involves third parties who are providing funding under an Advance Funding Agreement or Donation Agreement.

1. Outside funding provided by:

CCRMA

(Outside Entity's Legal Name)

2. Type of outside funding agreement for this change:

- Existing
 Amended
 New
 [Check one]

3. Indicate the type and amount of funding:

- Fixed Price (Lump Sum) (Estimated Amount \$24,620.40)
 Actual Cost

CCSJ:	<u>3622-01-001</u>
Project:	<u>STP2009(662)ES</u>
Highway:	<u>SH 550</u>
County:	<u>CAMERON</u>
District:	<u>PHARR</u>
Contract Number:	<u>03103002</u>

(a) Contract Items (Bid Items):		<u>\$24,620.40</u>	
(b) E&C*:	(a) x <u>3.5</u>	=	<u>0</u>
	<small>enter %</small>		
(c) Indirect Cost**:	(a + b) x	=	<u>0</u>
	<small>enter %</small>		
TOTAL			<u>0</u>

Use as needed:

I hereby acknowledge notification of the modifications covered by this Change Order.

Date _____

By _____

Typed/Printed Name _____

Typed/Printed Title _____

* The percentage (%) for E&C (Engineering and Contingencies) charges varies from project to project depending on the contract amount of the project. Projects with a higher contract amount will have a lower rate of E&C charge. For a specific project, E&C rate (%) can be derived from the cost of "Engineering and Contingencies" in the "Estimated Cost" of the project.

** Use the statewide district rate as established by Finance Division each year. This line 3(c) is for Service Project only, unless otherwise specified in the Advance Funding Agreement. See Stand Alone Manual Notice 98-2 for instructions.

Funding for this Change Order has been arranged:

TxDOT Representative	Date
Typed/Printed Name: _____	



Anderson Columbia Co., Inc.

P.O. Box 565 • Weslaco, TX 78599

February 3, 2012

Mr. Ricardo Gallaga, P.E.
Assistant Area Engineer
1120 E. 77 Sunshine Strip
San Benito, TX. 78586

Re: ITEM 0529-2032 TY B MOUNTABLE CURB
SH 550, Cameron Co.
STP 2009(662)ES

Mr. Gallaga,

Anderson Columbia is resubmitting requested price FOR TY B MOUNTABLE CURB.

Respectfully,

ANDERSON COLUMBIA CO., INC.

James Cavazos
Project Manager

ANDERSON COLUMBIA CO, INC.
 CHANGE ORDER
 PROJECT NO.: STP 2009 (662)ES
 CSJ: 3622-01-001
 SH 550, CAMERON COUNTY

3-Feb-12

ACCI JOB NUMBER: 90105

ITEM 0529-2032

TY B MOUNTABLE CURB

598 LF

LABOR (Rates include payroll taxes & insurance)

Description	Hourly Rate	Overtime Factor	Avg. Hourly Rate w/ OT	Hours Worked	P/R Taxes 55%	Markup 25%	
1 Surveyor	22.00	1.00	22.00	2.00	24.20	11.00 =	79.20
2 Rodman	10.00	1.00	10.00	2.00	22.00	10.00 =	72.00
1 Foreman	30.00	1.00	30.00	20.00	330.00	150.00 =	1080.00
1 Operator	13.00	1.00	13.00	20.00	143.00	65.00 =	488.00
4 Finisher	12.75	1.00	12.75	20.00	561.00	255.00 =	1836.00
2 Laborer	10.50	1.00	10.50	20.00	231.00	105.00 =	756.00
							4,291.20

EQUIPMENT

Description	Blue Book Hourly Rate	Equipment Hours	Equipment Cost	Markup 15%	
1 Pickup(Foreman)	13.14	20.00	262.80	39.42	= 302.22
1 Pickup(Surveyor)	13.14	2.00	26.28	3.94	= 30.22
1 Pickup(Crew)	13.14	20.00	262.80	39.42	= 302.22
1 Concrete Curb Paver	65.68	10.00	656.80	98.52	= 755.32
					1,389.98

MATERIALS

Description	Quantity	Unit	Unit Cost	Material Cost	Markup 25%	
CLS A CONCRETE	15	EA	69.80	1,047.00	261.75	= 1,308.75
						1,308.75

SUBCONTRACTOR

Description	Quantity	Unit	Cost	Cost	5%
-------------	----------	------	------	------	----

BOND

Description	Subtotal Cost	Markup 1%	
Bond Cost @ 1%	5,902.17	59.02	= 59.02
			59.02

TOTAL COST

7,048.95

UNIT PRICE

\$11.79 LF

*** ADDITIONAL WORKING DAYS: 2

Note:

	(4IN) (OPT1)						
528 2026	LANDSCAPE PAVERS (OPT1)	SY			921.000	53.50000	1
528 2027	COLORED TEXTURED CONC (4IN) (OPT2)	SY			265.000	96.50000	1
529 2001	CONC CURB (TY I)	LF	1,624.000	13.61712	69,318.000	7.71238	18
529 2002	CONC CURB (TY II)	LF	2,480.000	7.81730	28,860.500	9.95370	32
529 2003	CONC CURB & GUTTER (TY I)	LF	3,381.000	14.95302	28,691.000	13.23632	23
529 2004	CONC CURB & GUTTER (TY II)	LF	18,106.000	13.11660	382,661.818	13.18595	92
529 2005	CONC CURB (MONO) (TY I)	LF	2,945.000	1.99000	27,127.000	2.76552	9
529 2006	CONC CURB (MONO) (TY II)	LF	15,159.000	2.47358	697,750.074	2.91585	50
529 2007	CONC CURB (DOWEL)	LF			163,087.140	6.45518	28
529 2008	CONC CURB & GUTTER (SPECIAL)	LF			411.000	15.15000	1
529 2009	CONCRETE CURB (SPECIAL)	LF			21,024.000	13.58577	8
529 2010	CONC CURB AND GUTTER (TY II) (REINF)	LF	3,750.000	15.32533	65,582.000	13.07728	20
529 2011	CONC CURB & GUTTER (SAWTOOTH)	LF			352.500	14.31401	3
529 2012	CONC CURB & GUTTER (TY A) (BARRIER)	LF			30,703.400	16.31888	3
529 2013	CONC CURB (TY A) (BARRIER)	LF			62.000	10.00000	1
529 2014	CONC CURB (TY C)	LF			21,969.000	9.24493	4
529 2015	CONC CURB (TY I) (REINF)	LF			22,221.000	.33000	1
529 2016	CONC CURB (TY F)	LF			1,398.000	88.66893	2
529 2017	CONC CURB & GUTTER (VALLEY GUTTER)	LF			403.500	30.04999	1
529 2018	CONC CURB (MONO) (TY II) (SPECIAL)	LF			526.000	10.70000	1
529 2019	CONC CURB & GUTTER (TY B) (MOUNTABLE)	LF			32,366.000	8.76371	4
529 2020	CONC CURB & GUTTER (TY A) (VALLEY GUTTER)	LF			437.000	36.00000	1
529 2021	CONC CURB (DOWEL) (REINF) (TY II)	LF	463.000	12.71000	4,337.000	8.62745	4
529 2023	CONC CURB (MONO)	LF			2,998.000	2.72282	2
529 2024	CONC CURB (MOUNTABLE)	LF			475.000	11.80000	2
529 2026	CONC CURB (ARMOR CURB SLOT)	LF			309.000	162.16104	4
529 2027	CONC CURB (MONO) (TY I) (MOD)	LF			100.000	10.47000	1
529 2029	CONC CURB & GUTTER (TY II A)	LF			2,887.600	8.94916	2
529 2030	CONC CURB (MONO) (TY II A)	LF			40,123.000	5.72443	3



Anderson Columbia Co., Inc.

P.O. Box 565 • Weslaco, TX 78599

February 7, 2012

Mr. Ricardo Gallaga, P.E.
Assistant Area Engineer
1120 E. 77 Sunshine Strip
San Benito, TX. 78586


Re: REMOVE & RELAY 30" SET
SH 550, Cameron Co.
STP 2009(662)ES

Mr. Gallaga,

Anderson Columbia is attaching requested change request to REMOVE & RELAY 30" SET.

Respectfully,

ANDERSON COLUMBIA CO., INC.


James Cavazos
Project Manager

2210 N. Vo-Tech Dr • Weslaco, TX 78596
Phone: 956-969-4614 • Fax: 956-968-0982

ANDERSON COLUMBIA CO, INC.
 CHANGE ORDER
 PROJECT NO.: STP 2009 (662)ES
 CSJ: 3622-01-001
 SH 550, CAMERON COUNTY

7-Feb-12

ACCI JOB NUMBER: 90105

REMOVE & RELAY 30" SET

2 EA

LABOR (Rates Include payroll taxes & Insurance)

<u>Description</u>	<u>Hourly Rate</u>	<u>Overtime Factor</u>	<u>Avg. Hourly Rate w/ OT</u>	<u>Hours Worked</u>	<u>P/R Taxes 55%</u>	<u>Markup 25%</u>		
				0.00	0.00	0.00	=	0.00
				0.00	0.00	0.00	=	<u>0.00</u>
								0.00

EQUIPMENT

<u>Description</u>	<u>Blue Book Hourly Rate</u>	<u>Equipment Hours</u>	<u>Equipment Cost</u>	<u>Markup 15%</u>
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MATERIALS

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Material Cost</u>	<u>Markup 25%</u>		
None	0	EA	0.00	0.00	0.00	=	<u>0.00</u>
							0.00

SUBCONTRACTOR

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Material Cost</u>	<u>Markup 5%</u>	<u>Markup 1%</u>		
REMOVE & RELAY 30" SET	3	EA	608.40	1,825.20	91.26	18.25	=	1,934.71
MOBILIZATION	1	LS	1013.65	1,013.65	50.68	10.14	=	<u>1,074.47</u>
								3,009.18

TOTAL COST 3,009.18

UNIT PRICE \$1,003.06 EA

*** ADDITIONAL WORKING DAYS: 0

Note:

Bid Proposal - Change Request

McAllen Construction, Inc.

REVISED 2/7/12

P.O. Box 3244
 McAllen, Texas 78502
 Contact: James Eckroat
 Phone: 956-686-7819
 Fax: 956-686-7824

Quote To: Anderson Columbia Co., Inc.
 2210 N. Vo-Tech Drive
 Weslaco, TX 78596
Phone: (956)969-4614
Fax: (956) 968-0982
Attn: James Cavazos

Job Name: Cameron Co SH 550
Bid Date: Jan., 19, 2012
Date of Plans: None Available
Revision Date:

\$1,825.20

Change to 3

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	REM & RELAY 30" SET	2.00	EA	608.40	1,216.80
	MOBILIZATION	1.00	LS	1,013.65	1,013.65

GRAND TOTAL **\$2,230.45**

464-2007	RC PIPE (CL III)(30IN) @	24	LF	\$28	\$672
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NOTES:

Scope:
 Station 1435+00 remove existing 30" SET's, extend 30" RCP culvert and replace 30" SET's.

Station 3591+64.11 remove one existing 30" SET, extend 30" RCP culvert and replace 30" SET - * Total quantity and cost of 30" RCP to be adjusted based on actual quantity installed.

Total Estimated Cost \$3,510.85

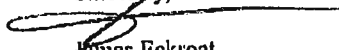
McAllen Construction, Inc. will perform construction staking from conveniently located controls placed by the Owner's representative.

The prices quoted do NOT include the cost of payment and performance bond.

McAllen Construction, Inc. will not dispose of or mitigate any insitu materials that may be hazardous. Hazardous materials include, but are not limited to contaminated soils, asbestos cementitious pipe, lead, etc. The remediation or removal of hazardous materials is the responsibility of others.

In the event that additional information is required, please feel free to contact me.

Sincerely,


 James Eckroat

Bid Summary Totals Report

Standard Markup Instructions

	Cost Basis	Markup %	Markup
Labor:	474	80.00	379
Burden:	145	80.00	116
Perm Matl:	0	0.00	0
Const Matl:	0	0.00	0
Sub:	0	0.00	0
Eq. Op. Exp:	551	25.00	138
Co. Equip:	306	25.00	77
Rented Eq.:	0	0.00	0
G & A:	0	0.00	0
Misc2:	0	0.00	0
Misc3:	0	0.00	0
Overrides:	0		0
Total:	1,476	48.08	710

Selected Bond Table:

Previous Run

Summary: 01/19/2012 2:53 PM

Spread: 01/19/2012 2:53 PM

Summary run on Takeoff Quan and Adjusted to Bid Quan.

Standard Spreads

Indirect Spread: Labor
 Markup Spread: Markup %
 Addon/Bond Spread: Total

Totals as of Last Spread

	Cost:	Markup:	Total:
Direct:	1,476	710	2,186
Indirect:	0	0	0
Addons:	45	0	45
Bond:	0		0
SubTotal:	1,521	710	2,231
Pass Through:	0		0
Total:	1,521	710	2,231

Total Direct Cost

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip. Ment	Sub-Contract	Total
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BID ITEM = 10 Land Item SCHEDULE: 1 100
 Description = REM & RELAY 30" SET Unit = EA Takeoff Quan: 2,000 Engr Quan: 2,000

Summary Codes:

110	R & R SET	Quan:	2.00 EA	Hrs/Shift:	10.00	Cal:	50	WC:	TX5203
<u>LBM5</u>	LOADER BACKHOE W/ 5 MEN	4.00 CH	EIT: 100.00	Prod:	0.2000 SU	Lab Pcs:	6.00	Eqp Pcs:	3.00
	Air Compressor 100 - 2	1.00 4.00 HR		17.412			70		70
	Air Tool	1.00 4.00 HR		0.853			3		3
	Loader Backhoe	1.00 4.00 HR		47.691			191		191
	Common Labor	2.00 8.00 MH		12.130	139				139
	Foreman	1.00 4.00 MH		22.040	117				117
	Equipment Operator	1.00 4.00 MH		14.890	85				85
	Skilled Labor	2.00 8.00 MH		12.130	139				139
S744.11	12.0000 MH/EA	24.00 MH	(183.58)	480			264		744

Item Totals: 10 - REM & RELAY 30" SET
 S744.11 12.0000 MH/EA 24.00 MH (183.58) 480 264 744
 372.055 2 EA 240.15 131.91 372.06

BID ITEM = 20 Land Item SCHEDULE: 1 100
 Description = MOBILIZATION Unit = LS Takeoff Quan: 1,000 Engr Quan: 1,000

Summary Codes:

110	Haul Equipment	Quan:	2.00 TRIP	Hrs/Shift:	10.00	Cal:	50	WC:	TX5203
<u>H11.050</u>	11 HAUL TRK, 50 TON LOW BOY	8.00 CH	EIT: 100.00	Prod:	0.4000 SU	Lab Pcs:	1.00	Eqp Pcs:	2.00
	Truck Tractor	1.00 8.00 HR		60.403			483		483
	Low Boy Trailer 50 ton	1.00 8.00 HR		13.718			110		110
	Skilled Labor	1.00 8.00 MH		12.130	139				139
S732.05	4.0000 MH/TRIP	8.00 MH	(53.37)	139			593		732

Item Totals: 20 - MOBILIZATION
 S732.05 8.0000 MH/LS 8.00 MH (106.74) 139 593 732
 732.050 1 LS 139.09 592.96 732.03

\$1,476.16 *** Report Totals *** 32.00 MH 619 857 1,476

>>> Indicates Non Additive Activity
 -----Report Notes:-----
 The estimate was prepared with TAKEOFF Quantities.
 This report shows TAKEOFF Quantities with the resources.

Total Direct Cost

Bid Date: Owner: Engineering Firm:
 Estimator-In-Charge:

* on units of MH indicate average labor unit cost was used rather than base rate.
 [] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens
 In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%
 -----Calendar Codes:-----

- 40 40 Hour Work Week
- 50 50 Hour Work Week (Default Calendar)
- 55 55 Hour Work Week

List of Addons

Addon	Description	Basis	%	Cost	Total Amt
1	age dues	JB	0.1900	Y	4.24
3	GL Based on 50 Hr Work Week	TA	8.5000	Y	40.28
11	Profit	++	0.0000	N	0.00
					44.52

Addon Basis Codes and Descriptions Used in this Estimate:

- TA - Total Base Labor
- JB - Job Value
- ++ - Cost, Markup, and Previous Addons

Addons \$ 44.52
Total Direct Cost = \$1,476
⇒ Addons = 3% of total Direct Cost

Question: Where are the unit prices on
breakdown?

Answer: They are calculated as shown below

Example: Remove + Relay 30" SET

Information from Direct Cost Report

- ① Direct Unit Cost for Labor = \$ 240.15/ea
- ② Direct Unit Cost for Equip = \$ 131.91/ea
- ③ Direct total Unit Cost = \$ 372.06

Compensation + Profit added to Labor Cost 80%

$$\$ 240.15/ea + 80\% = \$ 432.27/ea \text{ ①}$$

Compensation + Profit added to Equip Cost 25%

$$\$ 131.91 + 25\% = \$ 164.89/ea \text{ ②}$$

Add-ons

$$\$ 372.06 \times 3\% = \$ 11.16/ea \text{ ③}$$

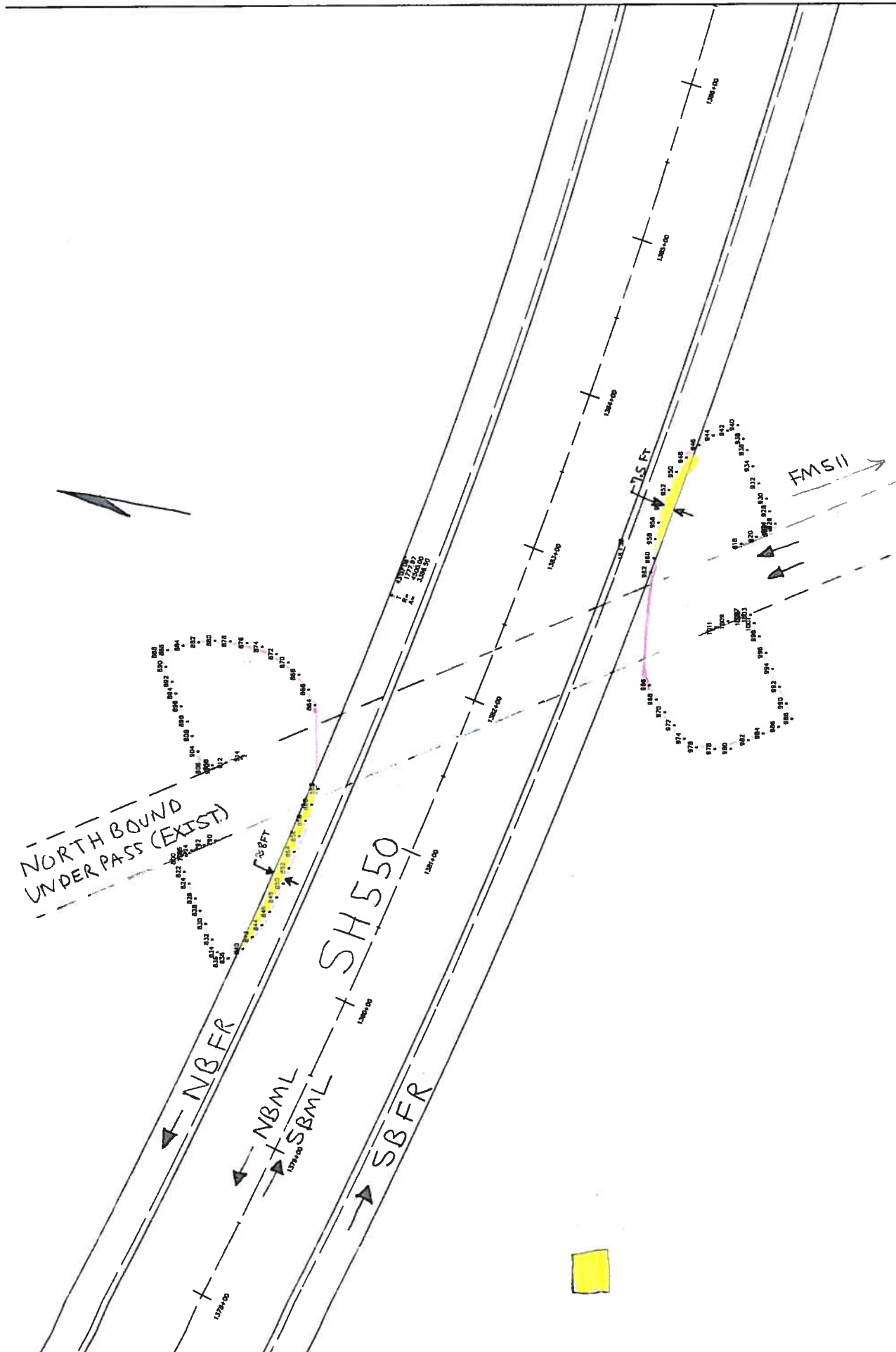
Labor Unit Cost w/ Markups = \$ 432.27/ea ①

Equip Unit Cost w/ Markups = 164.89 ②

Add-on Unit Cost = 11.16 ③

$$\$ 608.32/ea$$

Bid Proposal shows \$ 608.40 \approx \$.08/ea Rounding Difference .013%



NORTH BOUND
UNDER PASS (EXIST)

NBFR

NBML
SBML

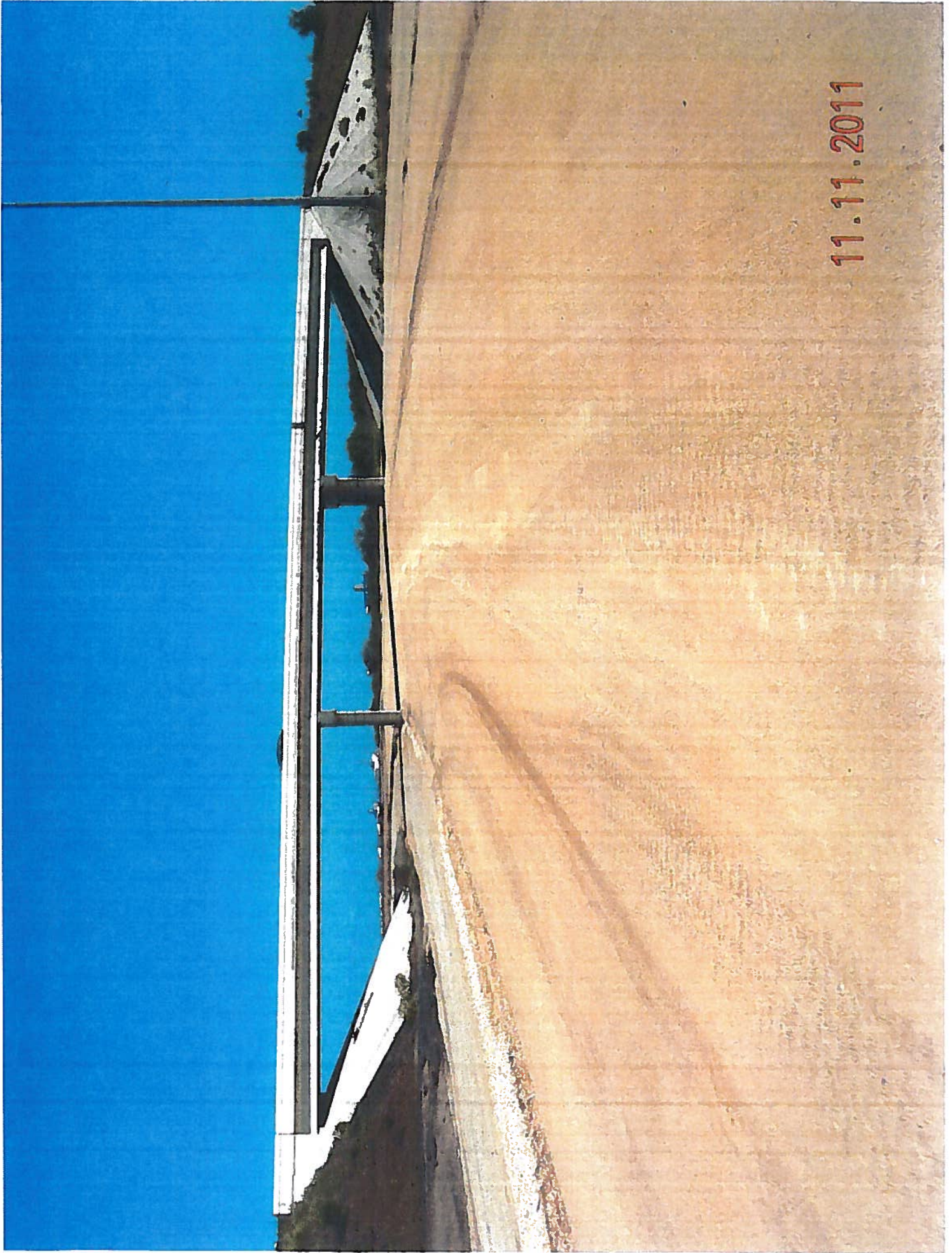
SBFR

SH 550

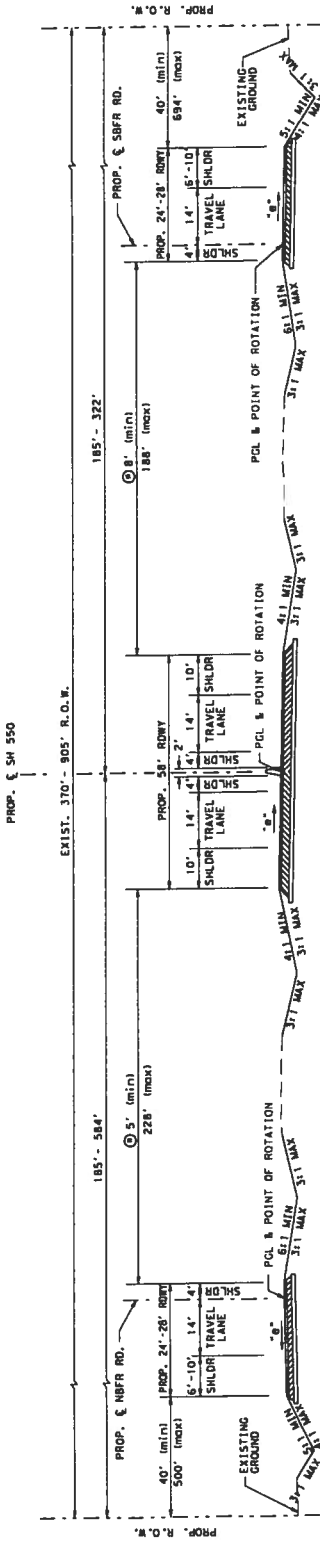
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FMS II



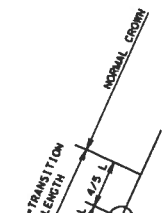


11.11.2011



PROPOSED NORTHBOUND FRONTAGE ROAD
 PROP. SUPERELEVATION TYPICAL SECTION

PROPOSED SOUTHBOUND FRONTAGE ROAD
 PROP. SUPERELEVATION TYPICAL SECTION



ID	STATION LIMITS FULL "e" ★	STATIONS P.C.	STATIONS P.T.	DEGREE OF CURVE D	"e" %	TRANSITION LENGTH AT PC		TRANSITION LENGTH AT PT		★ "e" CURVE DIRECTION	
						BEGIN	END	BEGIN	END		
MAINLANES											
CURVE #1	1366+26 - 1396+87	1365+63.26	1399+49.76	1°16'23.66"	4.1	1363.12	1366+26	1396+87	1402+01	314	Left
CURVE #2	1438+13 - 1477+72	1437+42.74	1476+42.42	1°36'13.28"	4.9	1434.62	1438+13	1477+72	1481+24	352	Right
CURVE #3	1524+31 - 1526+65	1523+83.05	1527+13.33	4°46'28.73"	4.5	1519.49	1524+31	1526+65	1531+48	483	Right
NORTHBOUND FRONTAGE RD.											
CURVE #1	2512+26 - 2540+01	2511+72.42	2527+45.40	1°42'05.36"	4.1	2510.48	2512+26	2540+01	2541+73.63	178	Left
CURVE #2	2572+77 - 2576+35	2572+23.63	2576+94.56	1°08'32.96"	3.0	2570.99	2572+77	2576+35	2578+35	200	Left
CURVE #3	2583+59.86 - 2585+74.52	2583+59.86	2587+98.52	1°08'45.30"	3.0	2581+59.86	2583+59.86	2587+98.52	2587+98.52	224	Right
CURVE #4	2591+73.27 - 2627+74	2589+49.27	2628+41.42	1°24'52.96"	3.6	2589+49.27	2591+73.27	2627+74	2629+98	224	Right
SOUTHBOUND FRONTAGE RD.											
CURVE #1	3500+60 - 3508+25	3500+00	3508+88.61	1°08'45.30"	3.0	3498.60	3500+60	3508+25	3510+37	212	Left
CURVE #2	3515+57 - 3522+56	3514+92.90	3523+91.65	1°15'30.31"	3.3	3513.45	3515+57	3522+56	3525+75	320	Left
CURVE #3	3526+80 - 3538+95	3526+80.00	3538+90.96	1°15'30.31"	3.3	3531.60	3526+80	3538+95	3542+15	320	Left
CURVE #4	3570+15 - 3573+14	3569+61.78	3573+66.94	1°08'32.96"	3.0	3568.37	3570+15	3573+14	3574+92	178	Right
CURVE #5	3579+86.53 - 3583+59.74	3579+86.53	3583+59.74	1°08'32.96"	3.0	3579+86.53	3579+86.53	3583+59.74	3585+37.74	178	Right
CURVE #6	3591+14 - 3616+73	3590+60.85	3617+26.41	1°49'08.09"	4.2	3589+36	3591+14	3616+73	3618+51	178	Right

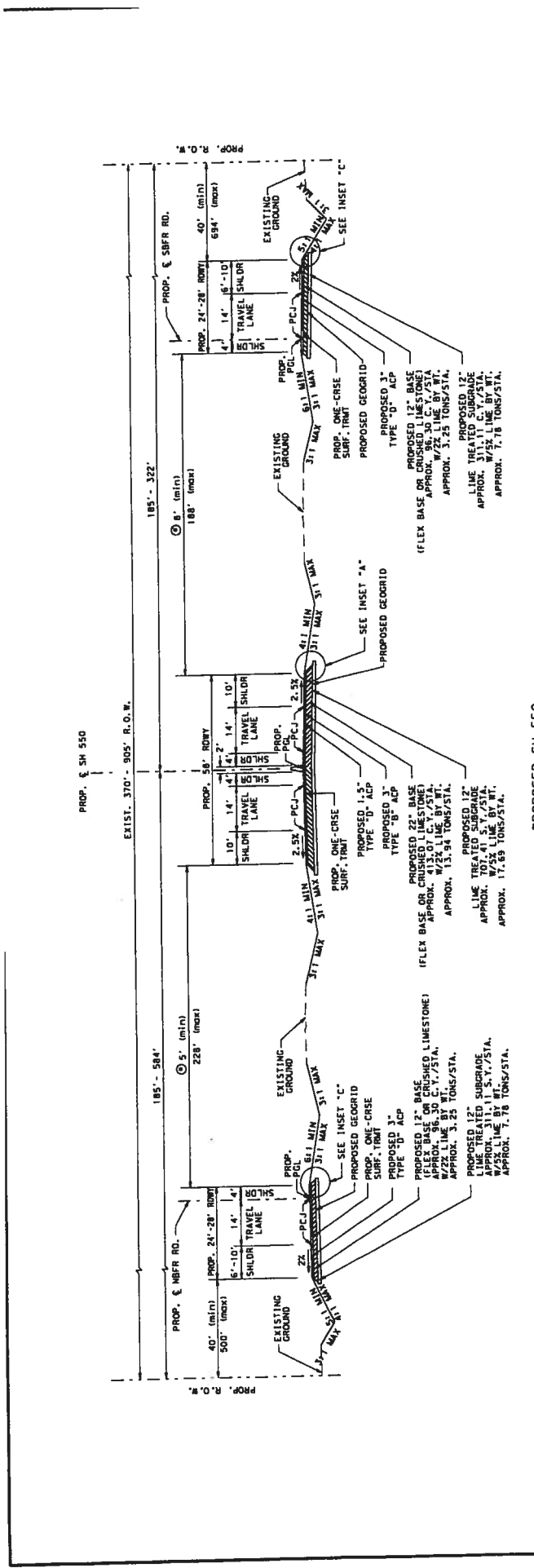
PARABOLIC CALCULATIONS WERE USED TO CALCULATE ELEVATIONS ON SUPERELEVATION TRANSITIONS
 SUPERELEVATION DATA



© CO# 2: FRONTAGE ROADS RE-ALIGNMENT

TEXAS DEPARTMENT OF TRANSPORTATION
 PROPOSED
 TYPICAL SECTION
 SH 550

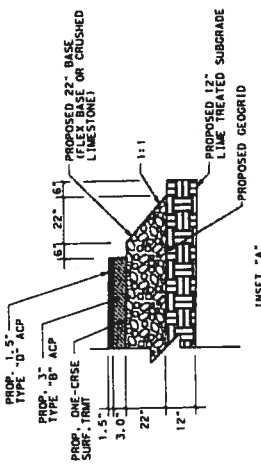
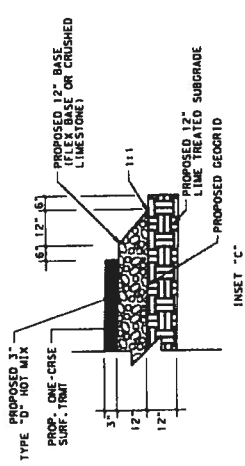
SHEET 7 OF 11	PROJECT NO.	DATE	BY
10-12-2010	3422 01 0001, ETC.	10/11/2010	SH 550



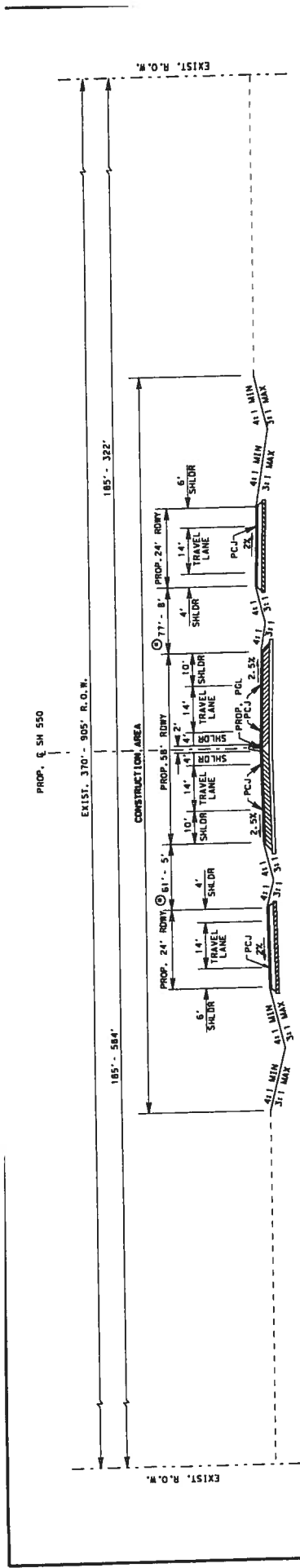
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PROPOSED TYPICAL SECTION SH 550

SHEET 2 OF 14	PROJECT NO.	DATE	SCALE
10/11/2010	135501	JULY	AS SHOWN
FILE: T:\ENGDATA\FM511\35501\ROADWAY\CONS1-REV15\NS550TYPICAL5-REV.dgn	COUNTY	DESIGNER	CHECKER
	TARRANT	RENE GARZA	JOHN HIGDON
		8/22/01	001 SH 550



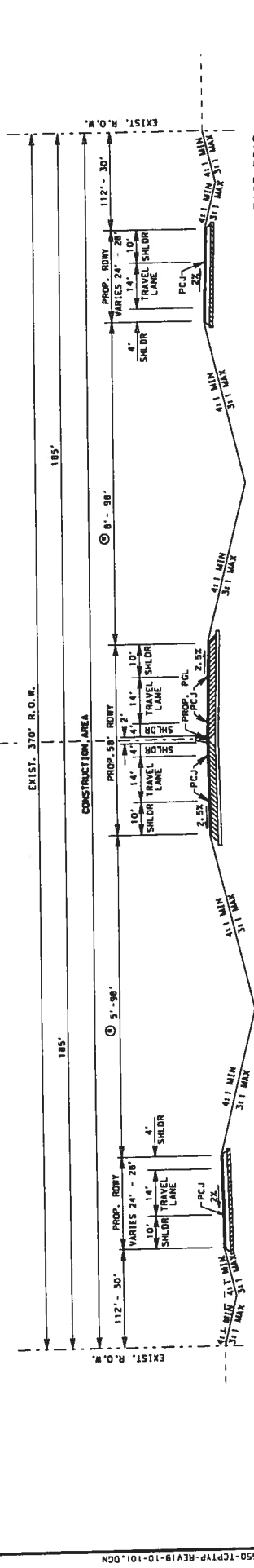
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PROPOSED NORTHBOUND FRONTAGE ROAD
 STA 2512+50 TO STA 2528+88.80

PROPOSED SH 550
 STA 1386+52 TO STA 1383+06.53

PROPOSED SOUTHBOUND FRONTAGE ROAD
 STA 3508+30 TO STA 3528+50.98



PROPOSED SOUTHBOUND FRONTAGE ROAD
 STA 3528+50.98 TO STA 3534+18.00

PROPOSED SH 550
 STA 1383+06.53 TO STA 1392+00.00

PROPOSED NORTHBOUND FRONTAGE ROAD
 STA 2528+88.80 TO STA 2537+50.00

© CD# 2: FRONTAGE ROADS RE-ALIGNMENT

TEXAS DEPARTMENT OF TRANSPORTATION
 SH 550
 TRAFFIC CONTROL PLAN
 TYPICAL SECTIONS

SHEET NO.	3 OF 6 SHEETS
PROJECT NO.	89286
DATE	10-12-2010
STATE	TEXAS
COUNTY	CAMERON
SECTION	3822 OF 1001, ETC.
DATE	10-12-2010



SH 550 NORTHBOUND FRONTAGE RD.

Beginning chain NBFR1-1 description
 Curve Data
 Curve NBFR1-1
 P.I. Station 2517.58+12 X 1,332,603.9112 Y 16,518,469.6359
 Delta 17° 41' 18.62" (LT)
 Degree 17° 41' 18.62"
 Length 1,495.508+1187
 Radius 1,008,1455
 External 3,284,0000
 Long Chord 3,284,0000
 Mid. Ord. 36.8457
 P.C. Station 2512.50+00 X
 P.T. Station 2522.50+15 X
 C.C. 2522.50+15 X
 Back S 43° 35' 19.84" E
 Ahead S 52° 06' 14.15" E
 Chord Bear S 52° 06' 14.15" E

Curve NBFR1-2
 P.I. Station 2525.74+00 X
 Delta 6° 07' 31.25" (LT)
 Degree 6° 07' 31.25"
 Length 315.9556
 Radius 630.6521
 External 4,447.0000
 Long Chord 4,447.0000
 Mid. Ord. 630.1237
 P.C. Station 2522.58+15 X
 P.T. Station 2528.88+80 X
 C.C. 2528.88+80 X
 Back S 60° 57' 08.46" E
 Ahead S 65° 00' 54.20" E
 Chord Bear S 65° 00' 54.20" E

Curve NBFR1-3
 P.I. Station 2527.91+05 X
 Delta 20° 14' 45" 19.39" (LT)
 Degree 20° 14' 45" 19.39"
 Length 602.6560
 Radius 1,191.8887
 External 3,265,1701
 Long Chord 3,265,1701
 Mid. Ord. 1,185.2776
 P.C. Station 2524.25+11 X
 P.T. Station 2528.88+80 X
 C.C. 2528.88+80 X
 Back S 69° 04' 39.94" E
 Ahead S 69° 04' 39.94" E
 Chord Bear S 69° 04' 39.94" E

Course from NBFR1-1 to NBFR1-2 Due East Dist 222.4500
 Point NBFR1 X 1,332,607.2992 Y 16,517,941.5650 Sta 2543+03.14
 Ending chain NBFR1-1 description

Describe Chain RN-ALG
 Chain RN-ALG contains:
 RN10 CUR RN-ALG-1 CUR RN-ALG-2 RN11
 Beginning chain RN-ALG description
 Point RN10 X 1,332,155.3922 Y 16,519,151.1945 Sta 2511+00.00
 Course from RN10 to PC RN-ALG-1 S 41° 06' 15.27" E Dist 72.4183

Curve Data
 Curve RN-ALG-1
 P.I. Station 2519+73.53 X
 Delta 26° 45' 00.16" (LT)
 Degree 26° 45' 00.16"
 Length 1,572.9813
 Radius 1,357.0625
 External 1,596.4163
 Long Chord 1,596.4163
 Mid. Ord. 251+72.42 X
 P.C. Station 2527+45.40 X
 P.T. Station 2527+45.40 X
 C.C. 2527+45.40 X
 Back S 41° 31' 16.15" E
 Ahead S 68° 17' 16.32" E
 Chord Bear S 54° 54' 16.23" E

Curve Data
 Curve RN-ALG-2
 P.I. Station 2534+08.19 X
 Delta 22° 07' 44.56" (LT)
 Degree 22° 07' 44.56"
 Length 1,662.7300
 Radius 1,309.0612
 External 1,389.3772
 Long Chord 1,389.3772
 Mid. Ord. 1,641.9611
 P.C. Station 2527+45.40 X
 P.T. Station 2540+54.46 X
 C.C. 2540+54.46 X
 Back S 67° 27' 24.44" E
 Ahead S 89° 35' 09.00" E
 Chord Bear S 78° 31' 16.72" E

Course from PT RN-ALG-2 to RN11 Due East Dist 50.9072
 Point RN11 X 1,334,804.1629 Y 16,517,941.5650 Sta 2541+05.37
 Ending chain RN-ALG description

Curve NBFR1-4
 P.I. Station 2574+59.27 X
 Delta 5° 22' 49.05" (LT)
 Degree 5° 22' 49.05"
 Length 235.6359
 Radius 5,015.0000
 External 5,5328
 Long Chord 470.7545
 Mid. Ord. 5,5267
 P.C. Station 2571.94+56 X
 P.T. Station 2576.94+56 X
 C.C. 2576.94+56 X
 Back Due East
 Ahead N 84° 37' 10.95" E
 Chord Bear N 81° 18' 35.49" E

Course from PT NBFR1-4 to PC NBFR1-5 N 84° 37' 10.95" E Dist 665.3049

Curve NBFR1-5
 P.I. Station 2585+79.33 X
 Delta 5° 01' 35.92" (RT)
 Degree 5° 01' 35.92"
 Length 1,019.2154
 Radius 5,000.0000
 External 436.6575
 Long Chord 436.6575
 Mid. Ord. 436.6575
 P.C. Station 2583+59.86 X
 P.T. Station 2587+98.52 X
 C.C. 2587+98.52 X
 Back N 84° 37' 10.95" E
 Ahead N 89° 38' 46.88" E
 Chord Bear N 87° 07' 56.92" E

Course from PT NBFR1-5 to PC NBFR1-6 S 89° 39' 36.52" E Dist 150.7484

Curve NBFR1-6
 P.I. Station 2510+60.38 X
 Delta 55° 03' 45.31" (RT)
 Degree 55° 03' 45.31"
 Length 2,111.1087
 Radius 4,050.0000
 External 4,517.1861
 Long Chord 3,744.0873
 Mid. Ord. 2589.8297 X
 P.C. Station 2528+41.42 X
 P.T. Station 2528+41.42 X
 C.C. 2528+41.42 X
 Back S 76° 12' 00.19" E
 Ahead S 48° 40' 07.53" E
 Chord Bear S 48° 40' 07.53" E

Course from PT NBFR1-6 to NBFR1-5 21° 08' 14.87" E Dist 300.5595
 Point NBFR1 X 1,342,568.9526 Y 16,515,294.1073 Sta 2631+41.97
 Ending chain NBFR1 description

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 SH 550
 ROADWAY DATA SHEET
 NORTHBOUND FRONTAGE RD

SHEET 2 OF 7	PROJECT NO.	DATE	SCALE	JOB
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE

© 2012 FRONTAGE ROADS RE-ALIGNMENT

SH 550 SOUTHBOUND FRONTAGE RD.

Beginning chain SBFR1-1 description

 Curve SBFR1-1
 P.L. Station 3508+59.30 X
 Delta 0° 40' 17.68" (LT)
 Degree 1° 08' 45.30"
 Tangent 58.6063
 Radius 5,000.0000
 External 0.0859
 Long Chord 58.6859
 Mid. Ord. 0.0859
 P.C. Station 3508+30.00 X
 P.T. Station 3508+88.61 X
 C.C. Station 3508+59.30 X
 Back S 65° 23' 34.01" E
 Ahead S 57° 03' 51.69" E
 Chord Bear S 56° 43' 42.85" E
 Course from PT SBFR1-1 to PC SBFR1-2 S 57° 03' 51.69" E Dist 667.2393

Curve Data

 Curve SBFR1-2
 P.L. Station 3522+07.82 X
 Delta 16° 17' 53.72" (LT)
 Degree 1° 15' 30.31"
 Tangent 1,297.3883
 Radius 1,400.0000
 External 14.8865
 Long Chord 1,464.4330
 Mid. Ord. 45.9740
 P.C. Station 3522+58.98 X
 P.T. Station 3522+58.98 X
 C.C. Station 3522+07.82 X
 Back S 57° 03' 51.69" E
 Ahead S 65° 12' 48.35" E
 Chord Bear S 61° 21' 45.41" E
 Course from PT SBFR1-2 to PC SBFR1-3 S 73° 21' 45.41" E Dist 733.4521

Curve Data

 Curve SBFR1-3
 P.L. Station 3537+89.14 X
 Delta 16° 38' 14.58" (LT)
 Degree 1° 05' 20.17"
 Tangent 406.5280
 Radius 1,400.0000
 External 14.8865
 Long Chord 406.5280
 Mid. Ord. 14.8865
 P.C. Station 3537+89.14 X
 P.T. Station 3537+89.14 X
 C.C. Station 3537+89.14 X
 Back S 73° 21' 45.41" E
 Ahead S 61° 40' 52.71" E
 Chord Bear S 67° 17' 19.06" E
 Course from PT SBFR1-3 to PC SBFR1-4 Due East Dist 2,970.8136

Beginning chain RS-ALG description

 Point RS10 X 1,332,265.3373 Y 16,518,791.5263 Sta 3510+00.00
 Course from RS10 to PC RS-ALG-1 S 57° 03' 51.69" E Dist 492.9026

Curve Data

 Curve RS-ALG-1
 P.L. Station 3519+23.55 X
 Delta 10° 48' 23.75" (LT)
 Degree 1° 43.0647
 Tangent 430.6487
 Radius 4,553.0000
 External 4.0943
 Long Chord 405.0478
 Mid. Ord. 3569+09.10 X
 P.C. Station 3519+23.55 X
 P.T. Station 3519+23.55 X
 C.C. Station 3519+23.55 X
 Back S 57° 03' 51.69" E
 Ahead S 62° 28' 03.56" E
 Chord Bear S 59° 15' 44" E
 Course from PT RS-ALG-1 to PC RS-ALG-2 S 67° 52' 15.44" E Dist 115.1779

Curve Data

 Curve RS-ALG-2
 P.L. Station 3527+54.59 X
 Delta 5° 29' 29.97" (LT)
 Degree 0° 57' 17.25"
 Tangent 297.0629
 Radius 6,000.0000
 External 6.8967
 Long Chord 297.0629
 Mid. Ord. 574.8651
 P.C. Station 3527+54.59 X
 P.T. Station 3527+54.59 X
 C.C. Station 3527+54.59 X
 Back S 67° 52' 15.44" E
 Ahead S 70° 37' 00.42" E
 Chord Bear S 69° 07' 08.09" E
 Course from PT RS-ALG-2 to RS11 S 73° 21' 45.41" E Dist 56.3013

Point RS11 X 1,334,142.3046 Y 16,517,876.8753 Sta 3530+98.21
 Ending chain RS-ALG description

 Curve SBFR1-4
 P.L. Station 3571+64.47 X
 Delta 4° 37' 43.97" (RT)
 Degree 1° 08' 32.96"
 Tangent 202.6892
 Radius 5,015.0000
 External 4.0943
 Long Chord 405.0478
 Mid. Ord. 3569+09.10 X
 P.C. Station 3571+64.47 X
 P.T. Station 3571+64.47 X
 C.C. Station 3571+64.47 X
 Back S 57° 03' 51.69" E
 Ahead S 87° 41' 08.01" E
 Chord Bear S 72° 14' 08.01" E
 Course from PT SBFR1-4 to PC SBFR1-5 S 85° 22' 16.03" E Dist 619.5967

Curve SBFR1-5
 P.L. Station 3582+82.41 X
 Delta 6° 08' 30.765" (RT)
 Degree 1° 08' 32.96"
 Tangent 202.6892
 Radius 5,015.0000
 External 4.0943
 Long Chord 405.0478
 Mid. Ord. 3569+09.10 X
 P.C. Station 3582+82.41 X
 P.T. Station 3582+82.41 X
 C.C. Station 3582+82.41 X
 Back S 57° 03' 51.69" E
 Ahead S 87° 41' 08.01" E
 Chord Bear S 72° 14' 08.01" E
 Course from PT SBFR1-5 to SBFR1-6 S 76° 36' 50.15" E Dist 156.4115

Curve SBFR1-6
 P.L. Station 3594+78.30 X
 Delta 48° 29' 02.91" (RT)
 Degree 1° 49' 08.09"
 Tangent 1,418.4472
 Radius 2,150.0000
 External 3.045335
 Long Chord 1,340.0511640 X
 Mid. Ord. 3277.7008 X
 P.C. Station 3594+78.30 X
 P.T. Station 3594+78.30 X
 C.C. Station 3594+78.30 X
 Back S 74° 07' 17.79" E
 Ahead S 25° 35' 14.83" E
 Chord Bear S 49° 52' 48.33" E
 Course from PT SBFR1-6 to SBFR1-7 S 25° 38' 14.87" E Dist 450.0000

Point SBFR1-7 X 1,342,223.9208 Y 16,515,329.6194 Sta 3621+76.41
 Ending chain SBFR1-7 description

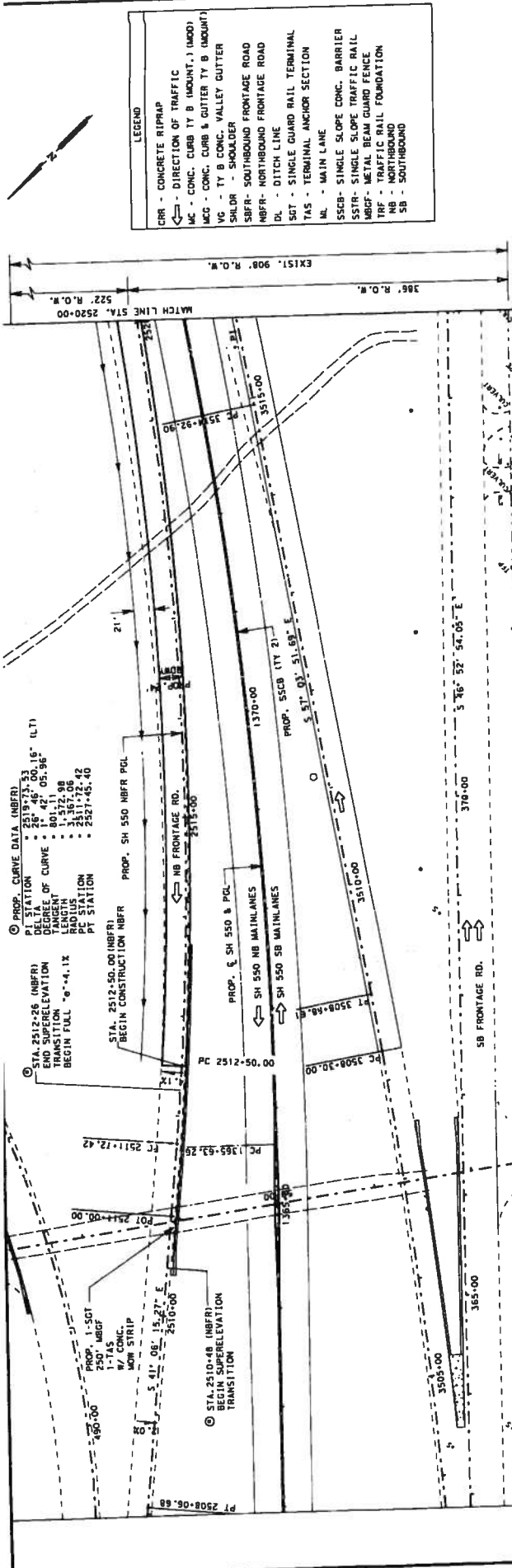
 Curve SBFR1-8
 P.L. Station 3622+07.82 X
 Delta 16° 17' 53.72" (LT)
 Degree 1° 15' 30.31"
 Tangent 1,297.3883
 Radius 1,400.0000
 External 14.8865
 Long Chord 1,464.4330
 Mid. Ord. 45.9740
 P.C. Station 3622+58.98 X
 P.T. Station 3622+58.98 X
 C.C. Station 3622+07.82 X
 Back S 57° 03' 51.69" E
 Ahead S 65° 12' 48.35" E
 Chord Bear S 61° 21' 45.41" E
 Course from PT SBFR1-8 to PC SBFR1-9 S 73° 21' 45.41" E Dist 733.4521

Curve SBFR1-9
 P.L. Station 3637+89.14 X
 Delta 16° 38' 14.58" (LT)
 Degree 1° 05' 20.17"
 Tangent 406.5280
 Radius 1,400.0000
 External 14.8865
 Long Chord 406.5280
 Mid. Ord. 14.8865
 P.C. Station 3637+89.14 X
 P.T. Station 3637+89.14 X
 C.C. Station 3637+89.14 X
 Back S 73° 21' 45.41" E
 Ahead S 61° 40' 52.71" E
 Chord Bear S 67° 17' 19.06" E
 Course from PT SBFR1-9 to PC SBFR1-10 Due East Dist 2,970.8136

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 SH 550
 ROADWAY DATA SHEET
 SOUTHBOUND FRONTAGE RD

SHEET 3 OF 7		PROJECT NO.	
DATE	BY	DATE	BY
10/11/11	W. G. BROWN	10/11/11	W. G. BROWN
10/11/11	W. G. BROWN	10/11/11	W. G. BROWN
10/11/11	W. G. BROWN	10/11/11	W. G. BROWN
10/11/11	W. G. BROWN	10/11/11	W. G. BROWN

© COP-2: FRONTAGE ROADS RE-ALIGNMENT



© PROP. CURVE DATA (NBFR)
 PI STATION 2512+50.00
 DEGREE OF CURVE 1° 42' 05.96"
 TANGENT 80.37298
 RADIUS 31367.0642
 PE STATION 2521+45.46
 PT STATION 2527+45.46

© STA. 2512+26 (NBFR)
 END SUPERELEVATION TRANSITION
 BEGIN FULL 6'-4.1X
 STA. 2512+50.00 (NBFR)
 BEGIN CONSTRUCTION NBFR

© STA. 2510+48 (NBFR)
 BEGIN SUPERELEVATION TRANSITION
 PROP. 1-SGT 250' W/ CONC. STRIP
 STA. 2510+08.15
 STA. 2510+08.15

LEGEND

- CRR - CONCRETE RIPRAP
- ← - DIRECTION OF TRAFFIC
- MC - CONC. CURB & GUTTER TY B (AMOUNT) (AMOUNT)
- MG - CONC. CURB & GUTTER TY B (AMOUNT)
- VC - TY B CONC. VALLEY GUTTER
- SALDR - SHOULDER
- NBFR - NORTHBOUND FRONTAGE ROAD
- DL - DITCH LINE
- SCT - SINGLE GUARD RAIL TERMINAL
- TAS - TERMINAL ANCHOR SECTION
- M - MAIN LANE
- SSCB - SINGLE SLOPE CONC. BARRIER
- SSTR - SINGLE SLOPE TRAFFIC RAIL
- NBGP - METAL BEAM GUARD FENCE
- NB - NORTHBOUND
- SB - SOUTHBOUND

PLAN

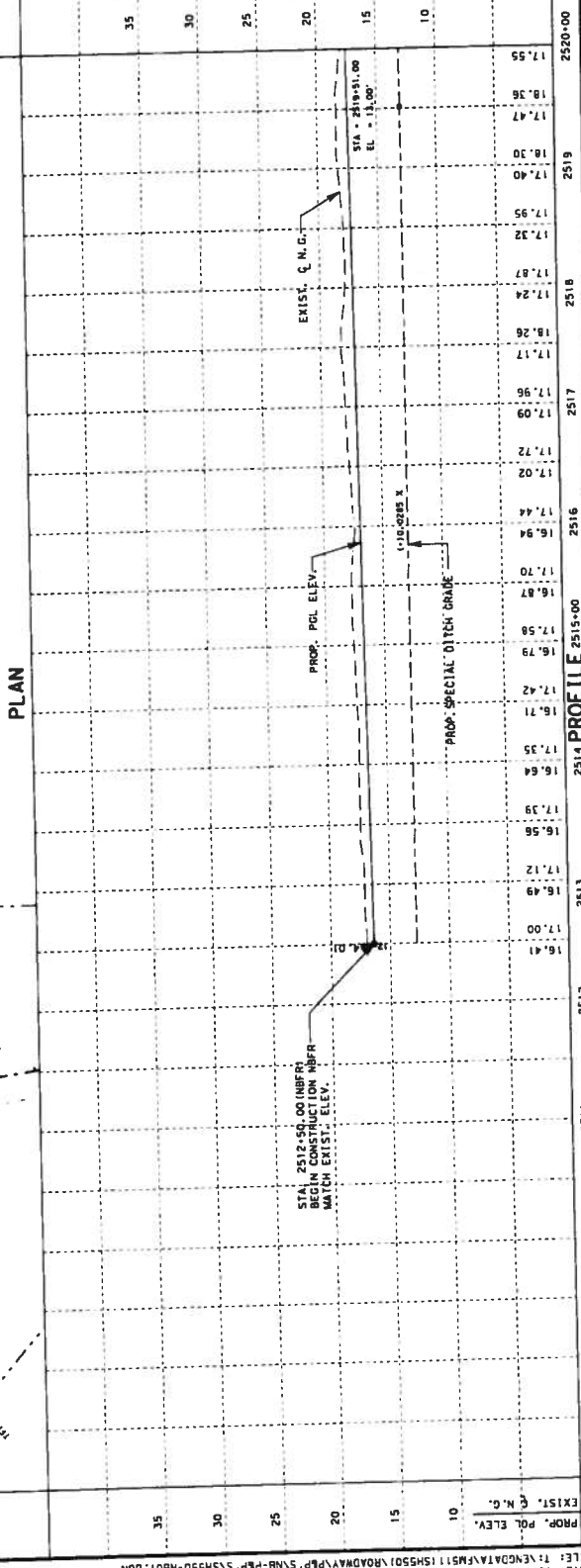


© COM 21 FRONTAGE ROADS RE-ALIGNMENT
 SCALE:
 PLAN 1" = 100' HORIZ.
 PROFILE 1" = 10' VERT.

TEXAS DEPARTMENT OF TRANSPORTATION
 SH 550
 NB FRONTAGE RD.
 PLAN & PROFILE

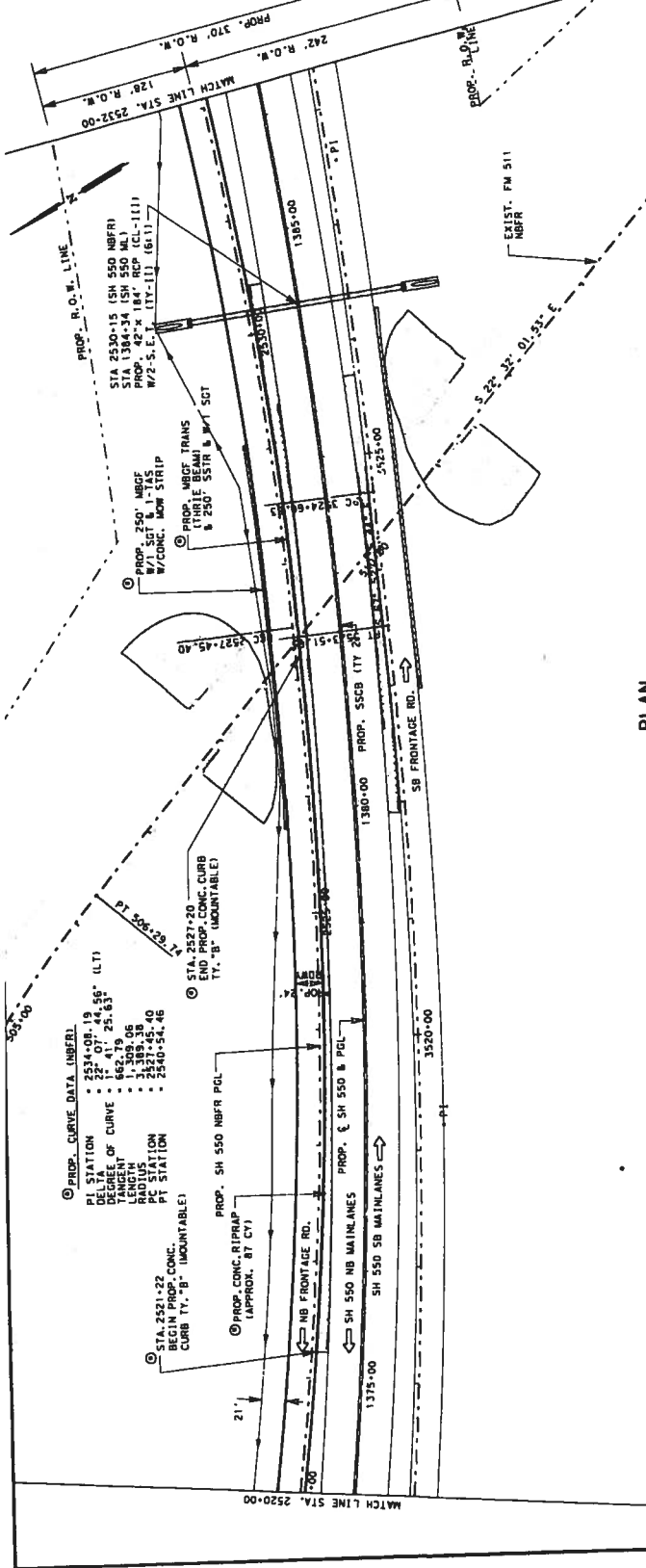
SHEET 1 OF 11 SHEETS

PROJECT NO.	CONTRACT NO.	SECTION	SHEET NO.	TOTAL SHEETS
STATE	COUNTY	DISTRICT		
DATE: 10/12/2010				

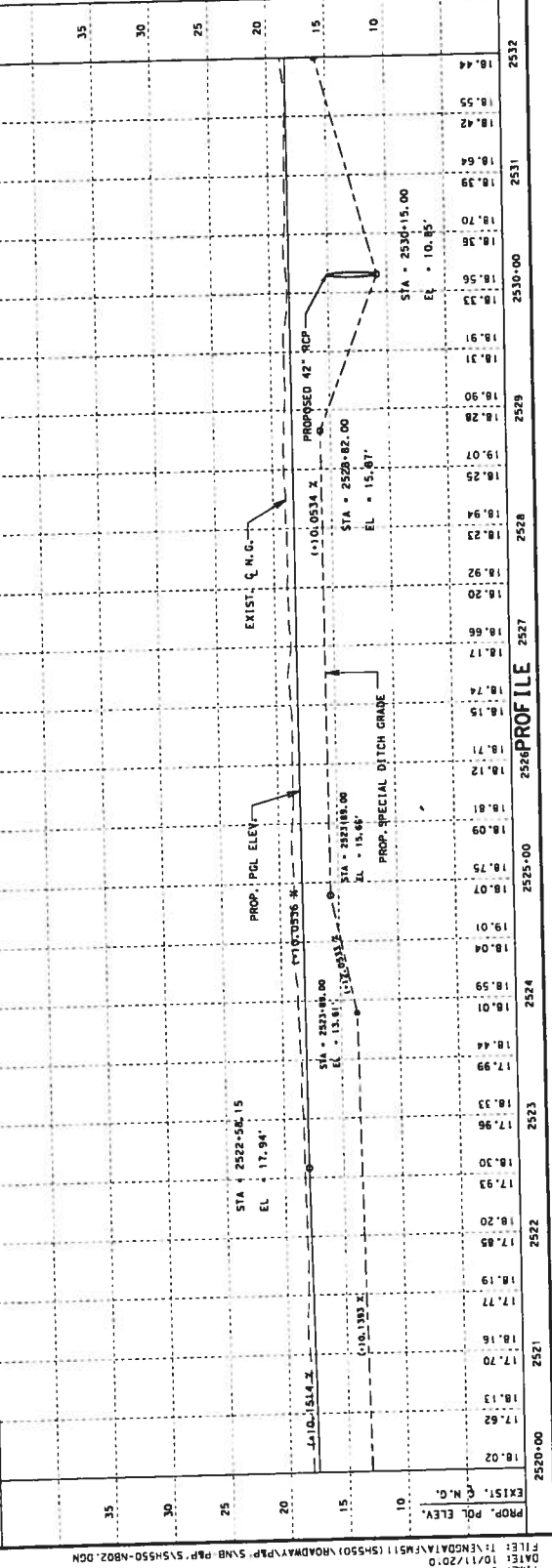



PROFILE

- CRR - CONCRETE RIPRAP
- ← - DIRECTION OF TRAFFIC
- MC - CONC. CURB TY B (MOUNT.) (MOD)
- UCD - CONC. CURB & GUTTER TY B (MOUNT.)
- VC - TY B CONC. VALLEY CUTTER
- SKLDR - SHOULDER
- SBFR - SOUTHBOUND FRONTAGE ROAD
- MBFR - NORTHBOUND FRONTAGE ROAD
- DL - DITCH LINE
- SGT - SINGLE GUARD RAIL TERMINAL
- TAS - TERMINAL ANCHOR SECTION
- ML - MAIN LANE
- SSCB - SINGLE SLOPE CONC. BARRIER
- SSSR - SINGLE SLOPE TRAFFIC RAIL
- MBGF - METAL BEAM GUARD FENCE
- TRF - TRAFFIC RAIL FOUNDATION
- NB - NORTHBOUND
- SB - SOUTHBOUND



PLAN





 TEXAS DEPARTMENT OF TRANSPORTATION

SCALE:

 PLAN 1" = 100' HORIZ.

 PROFILE 1" = 10' VERT.

© 2009

SH 550 NB FRONTAGE RD.

 PLAN & PROFILE

COM 2: FRONTAGE ROADS RE-ALIGNMENT

SHEET 2 OF 11 SHEETS	
PROJECT NO.	DATE
CONTRACT NO.	SCALE
COUNTY	SECTION
STATE	POST MILE
TEXAS HIGHWAY DEPARTMENT 154521-01 (001)-0100-1-24	

LEGEND

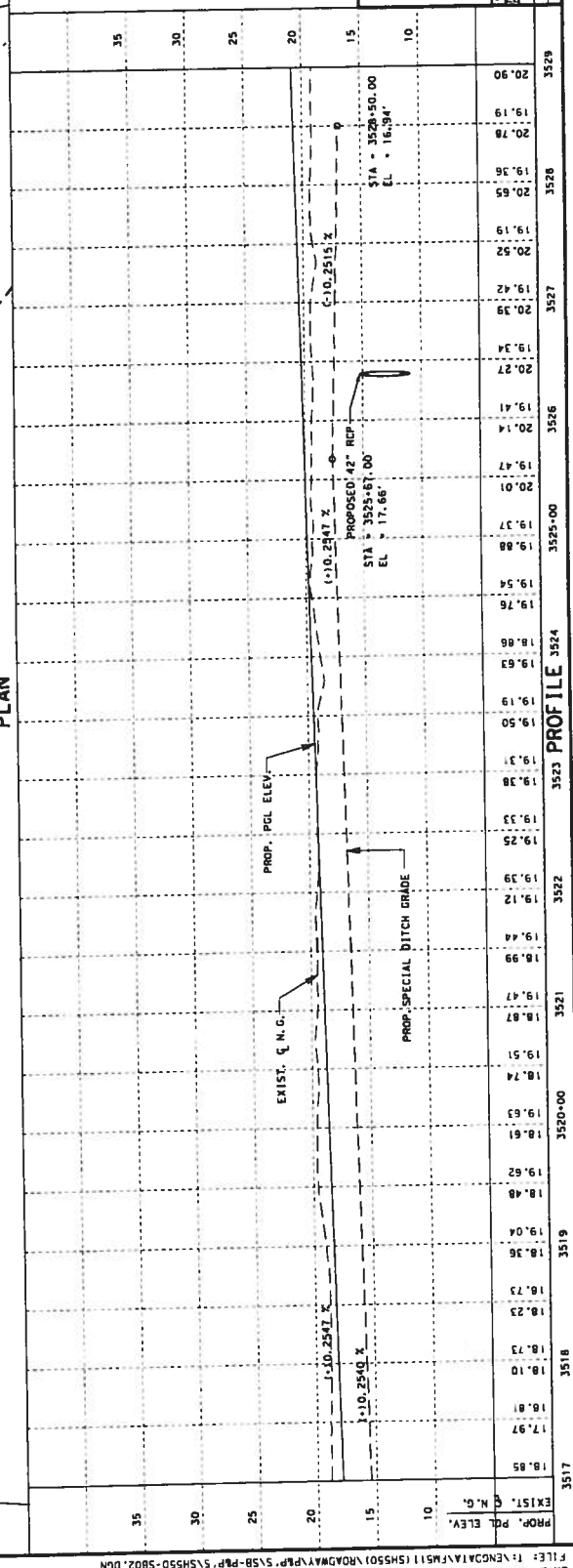
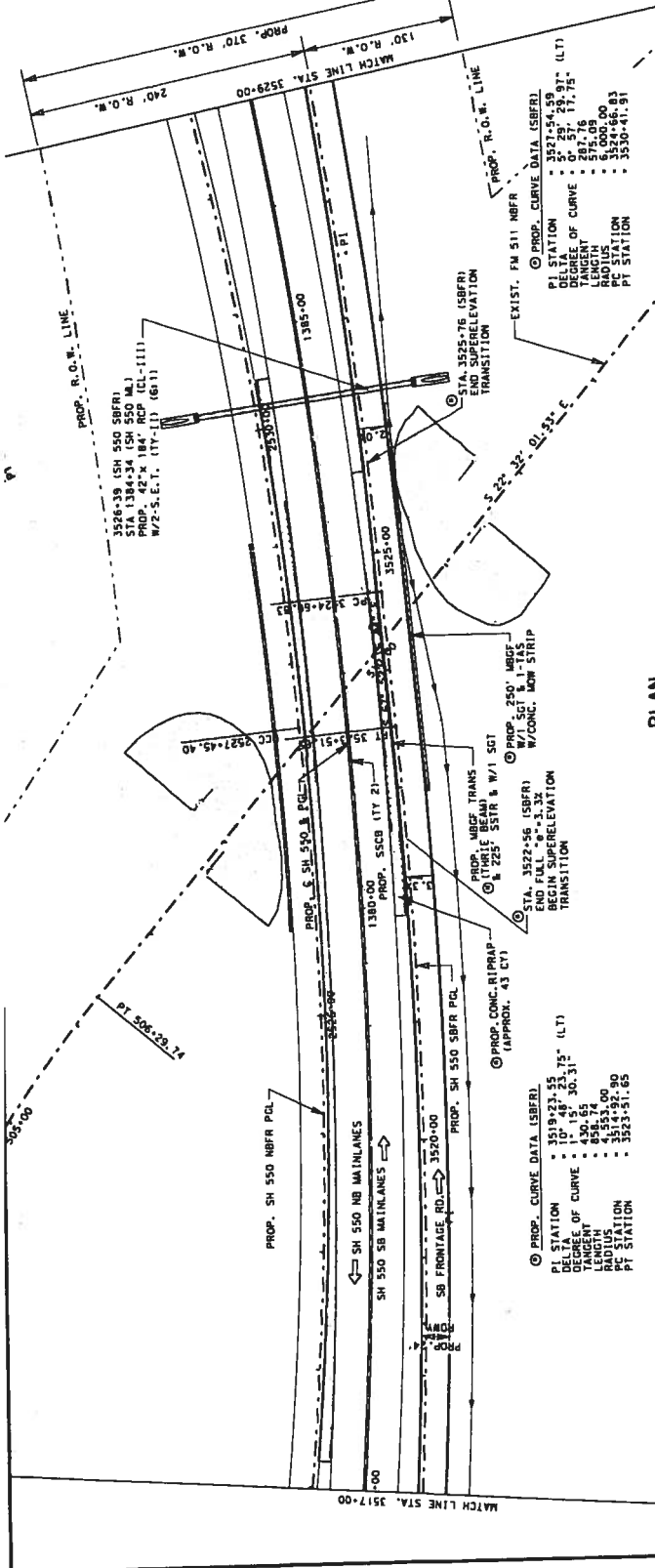
- CRR - CONCRETE RIPRAP
- ← DIRECTION OF TRAFFIC
- MC - CONC. CURB TY B (MOUNT. J HOOD)
- WV - CONC. CURB & GUTTER TY B (MOUNT. J HOOD)
- VG - TY B CONC. VALLEY GUTTER
- SHLD - SHOULDER
- NBFR - NORTHBOUND FRONTAGE ROAD
- DL - DITCH LINE
- SGT - SINGLE GUARD RAIL TERMINAL
- TAS - TERMINAL ANCHOR SECTION
- ML - MAIN LANE
- SSCB - SINGLE SLOPE CONC. BARRIER
- SSTR - SINGLE SLOPE TRAFFIC RAIL
- MBGF - METAL BEAM GUARD FENCE
- TRF - TRAFFIC RAIL FOUNDATION
- SB - SOUTHBOUND

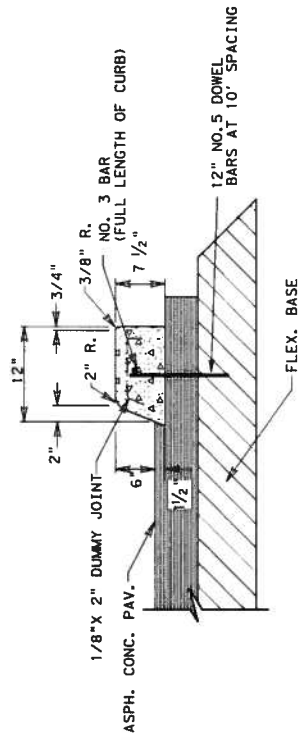


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 SCALE:
 PLAN 1" = 100' HORIZ.
 PROFILE 1" = 10' VERT.

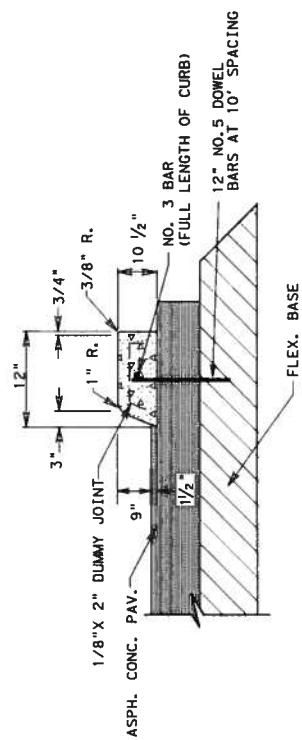
TEXAS DEPARTMENT OF TRANSPORTATION
 SH 550
 SB FRONTAGE RD.
 PLAN & PROFILE

SHEET 2 OF 10 SHEETS	
PROJECT NO.	10010001
STATE	TEXAS
COUNTY	COMAL
SECTION	01
DATE	08/11/2010
DESIGNER	PERI-CAMERON
CHECKER	PERI-CAMERON
DATE	08/11/2010

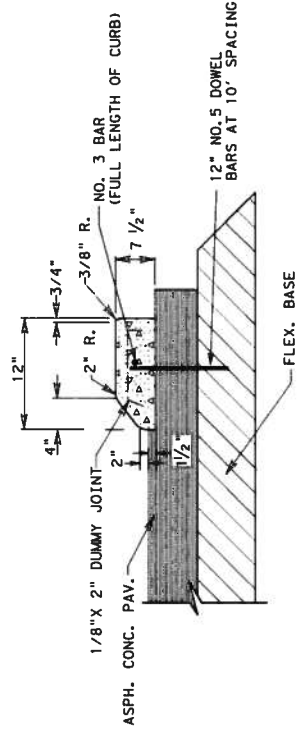




CONC. CURB TY "A" (BARRIER)




CONC. CURB TY "C" (BARRIER)



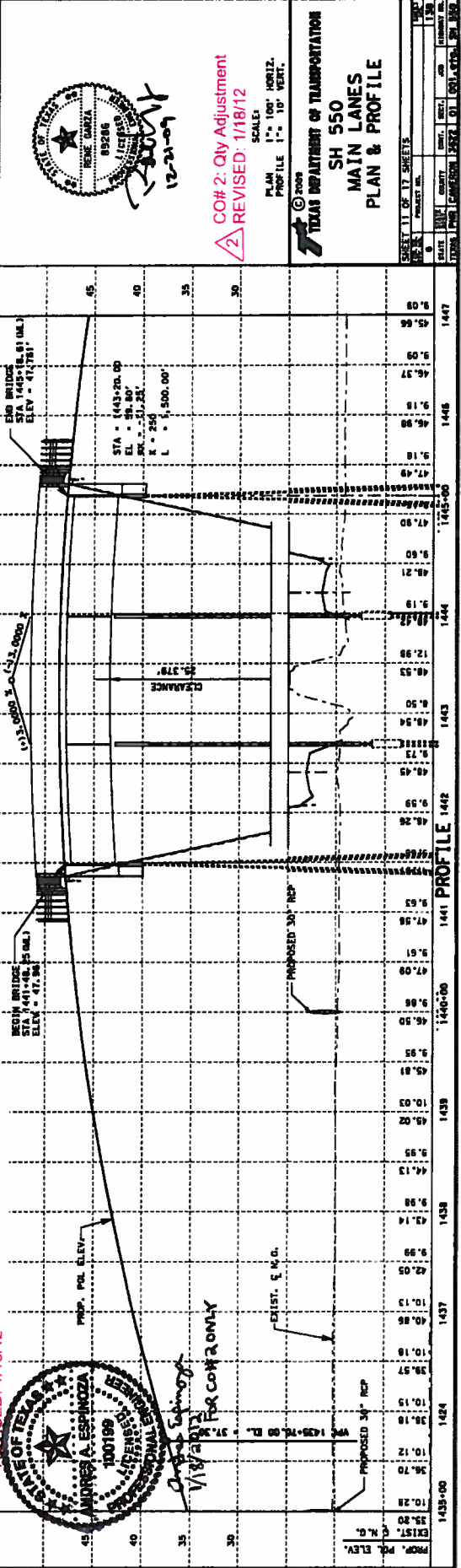
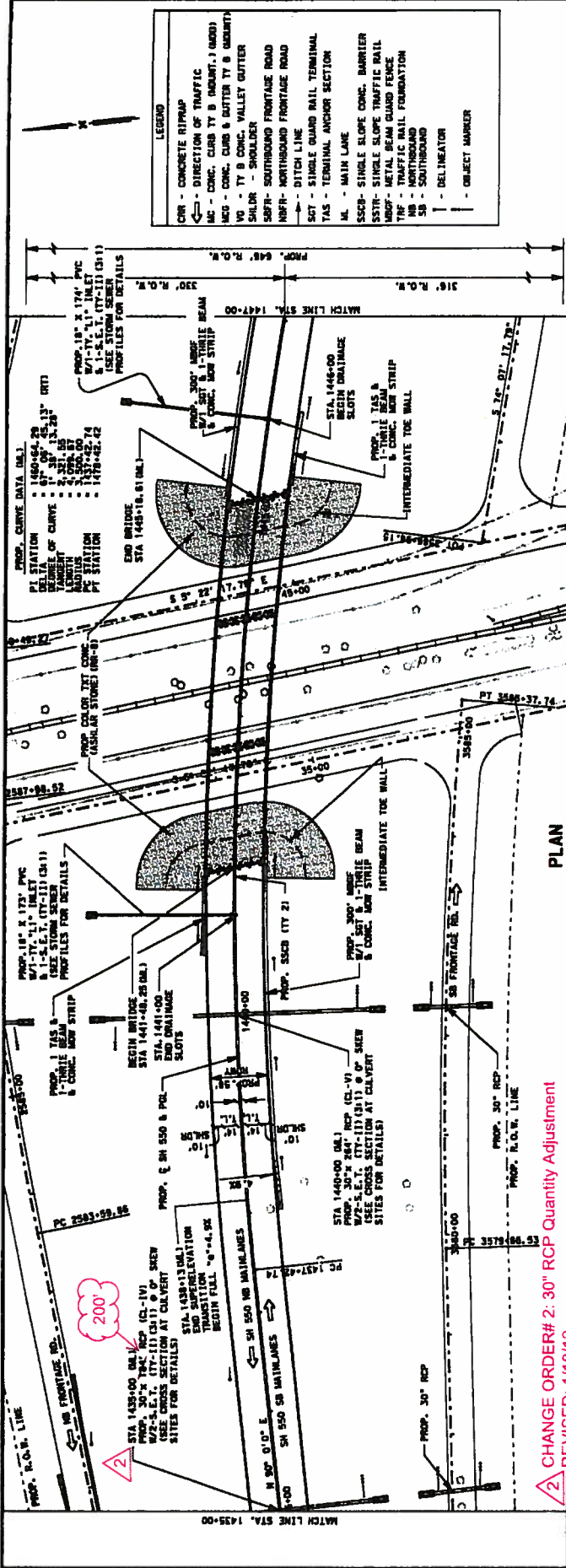
CONC. CURB TY "B" (MOUNTABLE)

© TxDOT 2004 PHARR DISTRICT STANDARD


TEXAS DEPARTMENT OF TRANSPORTATION
CONCRETE CURB
DETAILS

REV. 6/04

STATE AID PROJECT NO.	FILE NO.	CURB DGN
STP 2009 (662) ES	210 F	1/01
COUNTY	COM.	CON.
SECTION	DATE	BY
TEXAS 21	CAMERON	3622 01 001
		SH 550



- LEGEND**
- CON - CONCRETE STRUCTURE
 - DIR - DIRECTION OF TRAFFIC
 - MC - CONC. CURB & GUTTER (1:1) (MOD)
 - MC3 - CONC. CURB & GUTTER (1:1) (MOD)
 - VG - TY B CONC. VALLEY CUTTER
 - SHDR - SHOULDER
 - SEFR - SOUTHBOUND FRONTAGE ROAD
 - NHFR - NORTHBOUND FRONTAGE ROAD
 - DITCH LINE
 - SCT - SINGLE GUARD RAIL TERMINAL
 - TAS - TERMINAL ANCHOR SECTION
 - ML - MAIN LANE
 - SSCR - SINGLE SLOPE CONC. BARRIER
 - SSTR - SINGLE SLOPE TRAFFIC RAIL
 - MDFP - METAL BEAM GUARD FENCE
 - TRF - TRAFFIC RAIL FOUNDATION
 - NS - NORTHBOUND
 - SB - SOUTHBOUND
 - DEL - DELINEATOR
 - OBJECT NUMBER



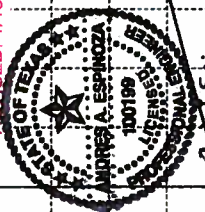
CO# 2: Qty Adjustment
 REVISED: 1/18/12

PLAN SCALE: 1" = 100' HORIZ.
 PROFILE SCALE: 1" = 10' VERT.

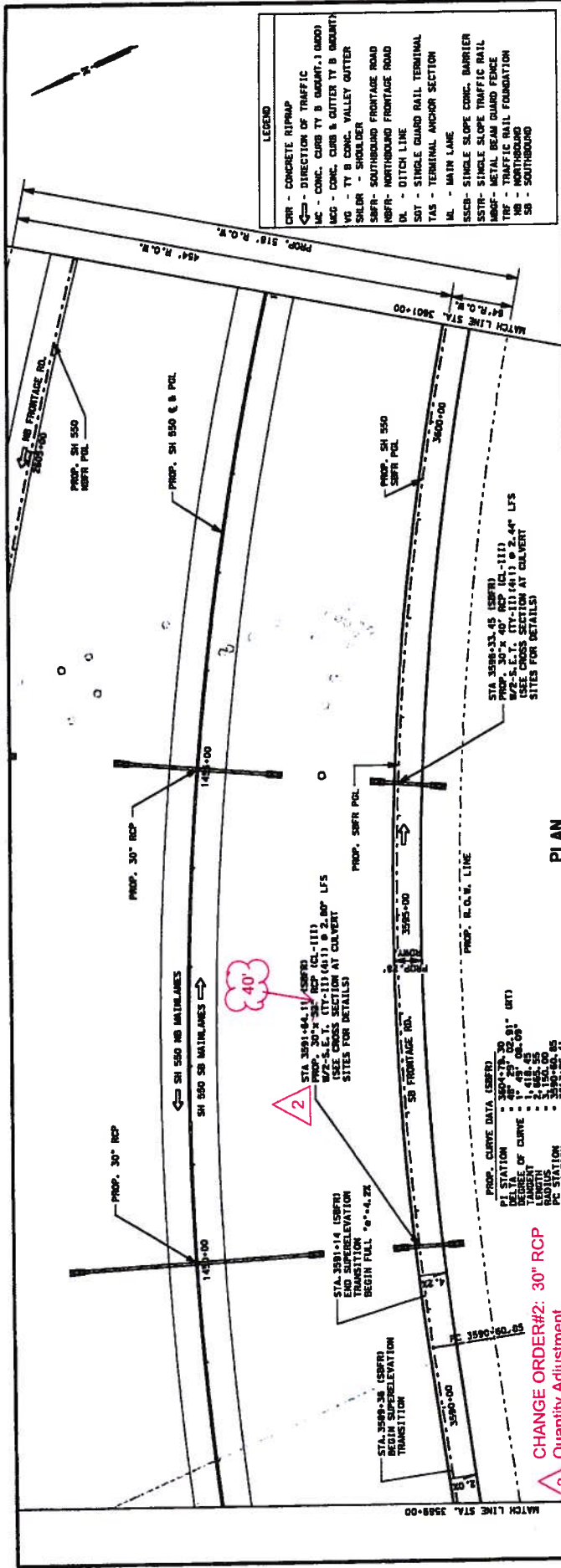
TEXAS DEPARTMENT OF TRANSPORTATION
 SH 550
 MAIN LANES
 PLAN & PROFILE

SHEET NO.	TOTAL SHEETS
11 OF 17 SHEETS	17

CHANGE ORDER# 2: 30" RCP Quantity Adjustment
 REVISED: 1/18/12



FOR COMPANY ONLY



PLAN

PROFILE

STATION	EXIST. P.C. ELEV.	PROPOSED 30" RCP	EXIST. G.N.C.
3598	11.91		
3599	11.99		
3600	12.08		
3601	12.14		
3602	12.21		
3603	12.28		
3604	12.36		
3605	12.44		
3606	12.51		
3607	12.59		
3608	12.66		
3609	12.74		
3610	12.81		
3611	12.89		
3612	12.96		
3613	13.03		
3614	13.11		
3615	13.18		
3616	13.25		
3617	13.32		
3618	13.39		
3619	13.46		
3620	13.53		
3621	13.60		
3622	13.67		
3623	13.74		
3624	13.81		
3625	13.88		
3626	13.95		
3627	14.02		
3628	14.09		
3629	14.16		
3630	14.23		
3631	14.30		
3632	14.37		
3633	14.44		
3634	14.51		
3635	14.58		
3636	14.65		
3637	14.72		
3638	14.79		
3639	14.86		
3640	14.93		
3641	15.00		
3642	15.07		
3643	15.14		
3644	15.21		
3645	15.28		
3646	15.35		
3647	15.42		
3648	15.49		
3649	15.56		
3650	15.63		
3651	15.70		
3652	15.77		
3653	15.84		
3654	15.91		
3655	15.98		
3656	16.05		
3657	16.12		
3658	16.19		
3659	16.26		
3660	16.33		
3661	16.40		
3662	16.47		
3663	16.54		
3664	16.61		
3665	16.68		
3666	16.75		
3667	16.82		
3668	16.89		
3669	16.96		
3670	17.03		
3671	17.10		
3672	17.17		
3673	17.24		
3674	17.31		
3675	17.38		
3676	17.45		
3677	17.52		
3678	17.59		
3679	17.66		
3680	17.73		
3681	17.80		
3682	17.87		
3683	17.94		
3684	18.01		
3685	18.08		
3686	18.15		
3687	18.22		
3688	18.29		
3689	18.36		
3690	18.43		
3691	18.50		
3692	18.57		
3693	18.64		
3694	18.71		
3695	18.78		
3696	18.85		
3697	18.92		
3698	18.99		
3699	19.06		
3700	19.13		
3701	19.20		
3702	19.27		
3703	19.34		
3704	19.41		
3705	19.48		
3706	19.55		
3707	19.62		
3708	19.69		
3709	19.76		
3710	19.83		
3711	19.90		
3712	19.97		
3713	20.04		
3714	20.11		
3715	20.18		
3716	20.25		
3717	20.32		
3718	20.39		
3719	20.46		
3720	20.53		
3721	20.60		
3722	20.67		
3723	20.74		
3724	20.81		
3725	20.88		
3726	20.95		
3727	21.02		
3728	21.09		
3729	21.16		
3730	21.23		
3731	21.30		
3732	21.37		
3733	21.44		
3734	21.51		
3735	21.58		
3736	21.65		
3737	21.72		
3738	21.79		
3739	21.86		
3740	21.93		
3741	22.00		
3742	22.07		
3743	22.14		
3744	22.21		
3745	22.28		
3746	22.35		
3747	22.42		
3748	22.49		
3749	22.56		
3750	22.63		
3751	22.70		
3752	22.77		
3753	22.84		
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3764	23.61		
3765	23.68		
3766	23.75		
3767	23.82		
3768	23.89		
3769	23.96		
3770	24.03		
3771	24.10		
3772	24.17		
3773	24.24		
3774	24.31		
3775	24.38		
3776	24.45		
3777	24.52		
3778	24.59		
3779	24.66		
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3782	24.87		
3783	24.94		
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3785	25.08		
3786	25.15		
3787	25.22		
3788	25.29		
3789	25.36		
3790	25.43		
3791	25.50		
3792	25.57		
3793	25.64		
3794	25.71		
3795	25.78		
3796	25.85		
3797	25.92		
3798	25.99		
3799	26.06		
3800	26.13		
3801	26.20		
3802	26.27		
3803	26.34		
3804	26.41		
3805	26.48		
3806	26.55		
3807	26.62		
3808	26.69		
3809	26.76		
3810	26.83		
3811	26.90		
3812	26.97		
3813	27.04		
3814	27.11		
3815	27.18		
3816	27.25		
3817	27.32		
3818	27.39		
3819	27.46		
3820	27.53		
3821	27.60		
3822	27.67		
3823	27.74		
3824	27.81		
3825	27.88		
3826	27.95		
3827	28.02		
3828	28.09		
3829	28.16		
3830	28.23		
3831	28.30		
3832	28.37		
3833	28.44		
3834	28.51		
3835	28.58		
3836	28.65		
3837	28.72		
3838	28.79		
3839	28.86		
3840	28.93		
3841	29.00		
3842	29.07		
3843	29.14		
3844	29.21		
3845	29.28		
3846	29.35		
3847	29.42		
3848	29.49		
3849	29.56		
3850	29.63		
3851	29.70		
3852	29.77		
3853	29.84		
3854	29.91		
3855	29.98		
3856	30.05		
3857	30.12		
3858	30.19		
3859	30.26		
3860	30.33		
3861	30.40		
3862	30.47		
3863	30.54		
3864	30.61		
3865	30.68		
3866	30.75		
3867	30.82		
3868	30.89		
3869	30.96		
3870	31.03		
3871	31.10		
3872	31.17		
3873	31.24		
3874	31.31		
3875	31.38		
3876	31.45		
3877	31.52		
3878	31.59		
3879	31.66		
3880	31.73		
3881	31.80		
3882	31.87		
3883	31.94		
3884	32.01		
3885	32.08		
3886	32.15		
3887	32.22		
3888	32.29		
3889	32.36		
3890	32.43		
3891	32.50		
3892	32.57		
3893	32.64		
3894	32.71		
3895	32.78		
3896	32.85		
3897	32.92		
3898	32.99		
3899	33.06		
3900	33.13		



CO#2: Qty Adjustment
2 REVISED on 2-7-12

SCALE: PLAN 1" = 100' HORIZ. PROFILE 1" = 10' VERT.

TEXAS DEPARTMENT OF TRANSPORTATION

SH 550 SB FRONTAGE RD. PLAN & PROFILE

DATE: 1/17/12

PROJECT NO. 158-00000000

STATE: TEXAS COUNTY: TARRANT

DATE: 1/17/12

PROJECT NO. 158-00000000

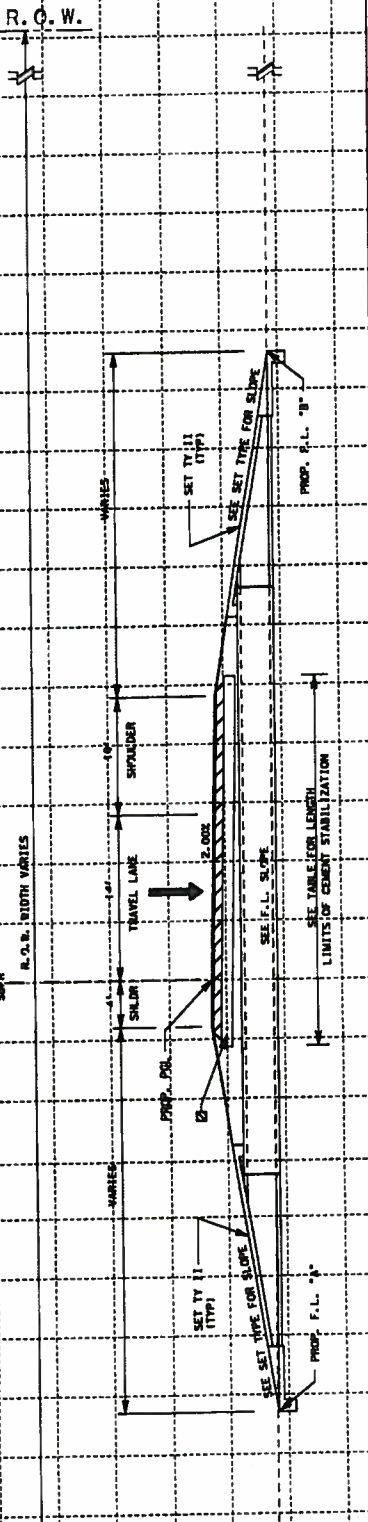
STATE: TEXAS COUNTY: TARRANT

CHANGE ORDER#2: 30" RCP
Quantity Adjustment
Revised 2-7-12



Quantity Adjustment
2 REVISED on 2-7-12

LEGEND
 * TO BE REMOVED UNDER
 [TEH - 4" x 4"]
 MATERIALS AND THICKNESSES
 SAME AS PROPOSED
 TYPICAL SECTIONS
 DENOTES DEL. (D-SY32, 1
 HIGH CONCRETE) OR DEL. MASH.
 (D-SY32, 1/2")



Change Order #2: 30" RCP Quantity Adjustment
 REVISÉD: 2/7/12



Andres Espinoza
 2/7/2012
 FOR CONTRACT ONLY



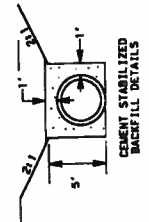
SH 550 SBR EQUALIZING CULVERTS

STA	DESCRIPTION	F.L. "A" (FT)	F.L. "B" (FT)	S.E.T. TYPE	SKEW (FT)	L' (FT)
3552+41.20	30" X 56" RCP (CL-111)	13.05	13.05	2 - (IV 11) (41)	0'	33
3557+41.20	30" X 56" RCP (CL-111)	12.02	12.02	2 - (IV 11) (41)	0'	28
3562+41.20	30" X 56" RCP (CL-111)	11.01	11.01	2 - (IV 11) (41)	0'	28
3571+42.36	30" X 56" RCP (CL-111)	10.84	10.84	2 - (IV 11) (41)	0'	28
3572+41.34	30" X 48" RCP (CL-111)	10.52	10.52	2 - (IV 11) (41)	3.18' RFS	28
3577+42.87	30" X 48" RCP (CL-111)	10.20	10.20	2 - (IV 11) (41)	4.63' RFS	28
3582+28.08	30" X 40" RCP (CL-111)	8.78	8.78	2 - (IV 11) (41)	2.80' LFS	28
3581+04.11	30" X 40" RCP (CL-111)	8.15	8.15	2 - (IV 11) (41)	2.09' LFS	28
3580+33.45	30" X 48" RCP (CL-111)	8.76	8.76	2 - (IV 11) (41)	1.80' LFS	28
3601+05.48	30" X 64" RCP (CL-111)	8.55	8.55	2 - (IV 11) (41)	1.11' LFS	28
3610+56.08	30" X 56" RCP (CL-111)	7.78	7.78	2 - (IV 11) (41)	0'	28
3615+33.57	30" X 48" RCP (CL-111)	7.80	7.80	2 - (IV 11) (41)	2.75' LFS	28
3620+18.88	30" X 48" RCP (CL-111)	7.80	7.80	2 - (IV 11) (41)	2.75' LFS	28

SCALE 1"=20'

© 2009 TEXAS DEPARTMENT OF TRANSPORTATION
 SH 550 SBR CROSS SECTIONS CULVERT SITES

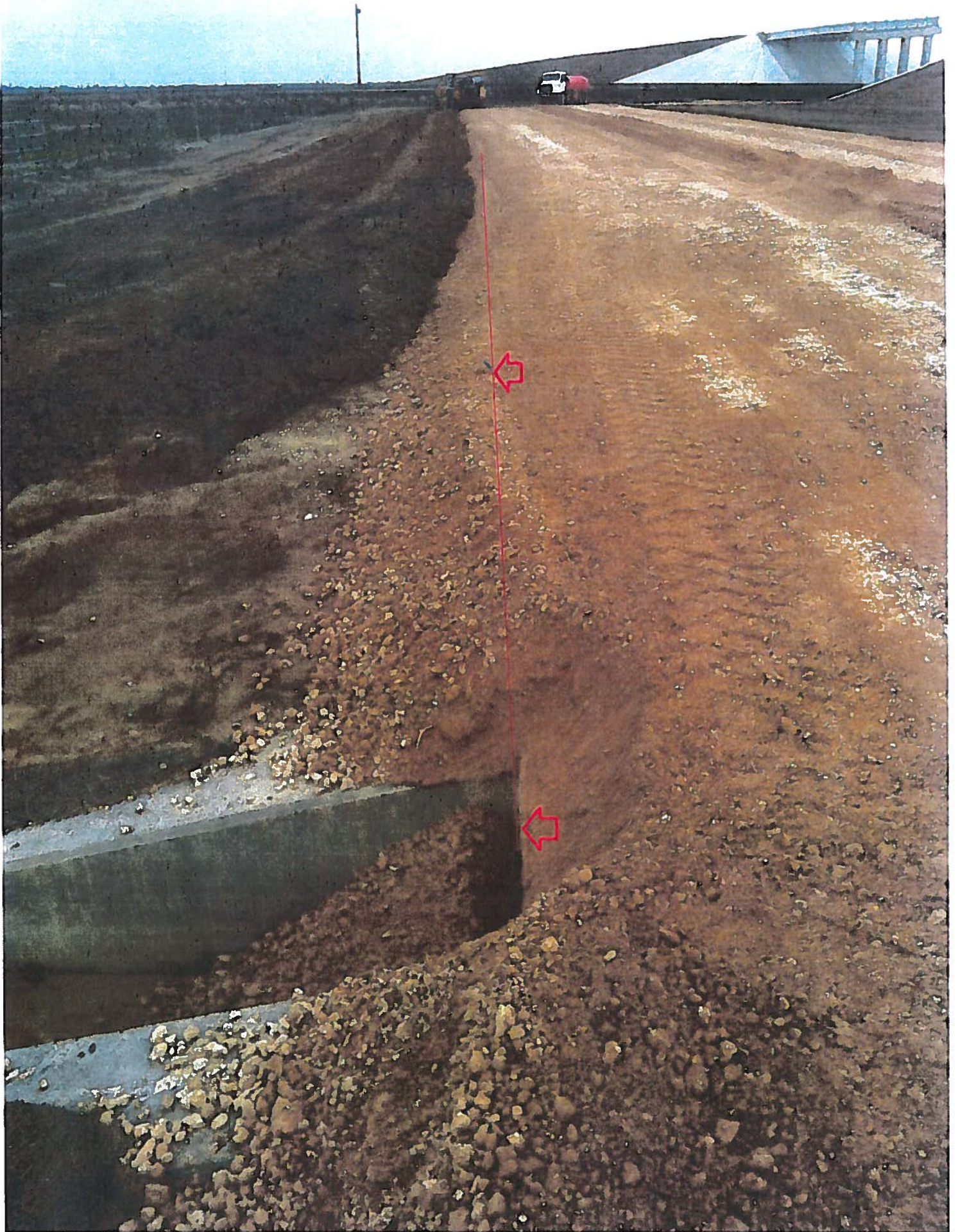
SHEET 8 OF 7
 PROJECT NO. 233R
 DRAWING NO. 1352-01 (001) ETC. SH 550



01/17/2012



01/17/2012





CHANGE ORDER NBR. 12

REPORT DATE: 4/18/2012 1:56:09PM

36

CONTRACT ID:	362201001	HIGHWAY:	SH 550
PROJECT:	STP 2009(662)ES	DISTRICT:	21
CONTRACT:	03103002	COUNTY:	CAMERON
AWARD AMOUNT:	\$34,161,741.40	AREA ENGINEER:	Hector Gonzalez, P.E. Interim
PROJECTED AMOUNT:	\$34,357,241.40	AREA NUMBER:	055
CONTRACTOR:	ANDERSON COLUMBIA CO., INC.		

Functions:

<input checked="" type="checkbox"/> Extra Work	<input type="checkbox"/> Force Account
<input type="checkbox"/> Zero Dollar	<input type="checkbox"/> Final Quantity
<input checked="" type="checkbox"/> Overtime/Underrun	<input type="checkbox"/> Change Project Limits
<input type="checkbox"/> Time Adjustment	<input type="checkbox"/> Delete/Add CSJ

CO AMOUNT: -\$610.53

CO TYPE: FED LETTER OF AUTH - MINOR - PART

3RD PARTY AMOUNT: \$0.00

APPRV LEVEL: Area Engineer

DESCRIPTION: TAP TY "C" INLET/ 30"RCP/ CHANGE 36" TO 24"RCP

REASON: 1A - 1A-INCORRECT PS&E (TXDOT DESIGN)

SECONDARY REASON(S):

DESCRIBE THE REASON FOR THE CHANGE ORDER AND WHAT IS BEING CHANGED. WHEN NECESSARY, INCLUDE EXCEPTIONS TO THIS AGREEMENT:

Change Order # 12 proposes to modify existing and proposed drainage provisions at main lane Sta. 1322+00 (north of FM 3248) as a result of a plan error.

When FM 511 was constructed previous to SH 550, 30" RCP (connected to a TY "C") was installed at Outfall No. 2 to provide drainage for this section of the roadway along the northbound frontage (see attached plan sheet# 509 for FM 511). The plan sheets for the current SH 550 project do not account for this previous installation. Instead, the plan sheets for SH 550 propose 42" RCP to be installed perpendicular to the existing northbound frontage road, which is now currently in conflict with the previously installed 30" RCP (installed parallel to northbound frontage). The existing 30" RCP was significantly damaged during the installation (jack and bore) of the proposed 42" RCP, thus prohibiting storm water to drain from the existing TY "C" inlet through existing 30" RCP to existing discharge point. Subsequently, TxDOT instructed the contractor to connect a 30" RCP to the side wall of the existing TY "C" inlet and re-route drainage to a discharge point further downstream at an alignment free of conflict with the proposed 42" RCP (please see Attachment 1). The existing concrete apron for the TY "C" inlet will need to be removed since it will be in conflict with the construction mentioned above. The existing 30" RCP will be plugged at its current connection with the TY "C" inlet. To prevent soil erosion, concrete riprap will be added to the proposed 42" RCP and the newly installed 30" RCP at Outfall# 2.

Plans call for contractor to install proposed 36"X195' RC Pipe (CL III) from proposed TY "CC" inlet (B-1) to TY "CC" inlet (B-2) at main lane STA. 1332+00. Proposed 36" RC Pipe does not fit into pre-cast TY "CC" inlets. TxDOT decided to down size proposed RC Pipe from 36" to 24" in order to make pipe fit into proposed pre-cast TY "CC" inlets. Furthermore, plans call for the wrong station/offset location for TY "M" manhole (JM-B3) and outfall (B-OUT). Proposed storm sewer structure quantities at the above mentioned location are not affected by this error.

See Revised SH#219R & 222R.

ADDITIONAL TIME NOT NEEDED

"By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change and that this agreement is made in accordance Item 4 and the Contract. Exceptions should be noted in explanation above."

THE CONTRACTOR

BY: _____ DATE _____
TYPED/PRINTED NAME: _____ DATE _____
TYPED/PRINTED TITLE: _____ DATE _____
AREA ENGINEER: _____ DATE _____
AREA ENGINEER'S SEAL: _____ DATE _____

DISTRICT ENGINEER: _____ DATE _____
DIRECTOR, CONSTRUCTION DIVISION: _____ DATE _____
DEPUTY EXECUTIVE DIRECTOR: _____ DATE _____
FHWA: _____ DATE _____

CONTRACT ITEMS

PROJECT NBR 068401066

CATG NBR	LINE ITEM	ITEM CODE	SP NBR	DESCRIPTION	UNIT	UNIT PRICE	ORIG + PREV REV QTY	QTY THIS CO	NEW QTY	AMOUNT THIS CO
001	1461	04642090		RC PIPE (CL III)(24 IN)(SPL) NEW ITEM# CO#12	LF	40.00000	0.000	195.000	195.000	\$7,800.00
		ADDTL CO DESCR 1		@ CONTRACT BID PRICE WITH DIFFERENT CSJ#						
001	1535	01042009	000	REMOVING CONC (RIPRAP) EXIST ITEM# CO#12	SY	3.00000	6,954.000	2.000	6,956.000	\$6.00
001	1635	04322066	000	RIPRAP (CONC)(CL B) EXIST ITEM# CO#12	CY	450.00000	49.000	5.000	54.000	\$2,250.00
001	1642	04642007		RC PIPE (CL III)(30 IN) NEW ITEM# CO#12	LF	47.00000	0.000	56.000	56.000	\$2,632.00
		ADDTL CO DESCR 1		@ CONTRACT BID PRICE, BUT DIFFERENT CSJ#						
001	1650	04642092	003	RC PIPE (CL III)(36 IN)(SPL) EXIST ITEM# CO#12	LF	80.00000	251.000	-195.000	56.000	-\$15,600.00
001	1967	96082012		UNIQUE CHANGE ORDER ITEM 12 NEW ITEM# CO#12	DOL	2,301.47000	0.000	1.000	1.000	\$2,301.47
		ADDTL CO DESCR 1		TAP INTO TY "C" INLET/PLUG 30" HOLE/MOB						

CHANGE ORDER AMOUNT

-\$610.53

TEXAS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 8 _____

Third Party Funding Notification Sheet

This form is used when the subject change order involves funding by a source other than TxDOT/U.S. DOT, and involves third parties who are providing funding under an Advance Funding Agreement or Donation Agreement.

1. Outside funding provided by:

CCRMA _____

(Outside Entity's Legal Name)

2. Type of outside funding agreement for this change:

- Existing
 Amended
 New
 [Check one]

3. Indicate the type and amount of funding:

- Fixed Price (Lump Sum) (Estimated Amount \$24,620.40)
 Actual Cost

(a) Contract Items (Bid Items):			\$24,620.40	
(b) E&C*:	(a) x	3.5	=	0
		enter %		
(c) Indirect Cost**:	(a + b) x	_____	=	0
		enter %		
TOTAL				0

CCSJ: 3622-01-001
Project: STP2009(662)ES
Highway: SH 550
County: CAMERON
District: PHARR
Contract Number: 03103002

Use as needed:

I hereby acknowledge notification of the modifications covered by this Change Order.

Date _____

By _____

Typed/Printed Name _____

Typed/Printed Title _____

* The percentage (%) for E&C (Engineering and Contingencies) charges varies from project to project depending on the contract amount of the project. Projects with a higher contract amount will have a lower rate of E&C charge. For a specific project, E&C rate (%) can be derived from the cost of "Engineering and Contingencies" in the "Estimated Cost" of the project.

** Use the statewide district rate as established by Finance Division each year. This line 3(c) is for Service Project only, unless otherwise specified in the Advance Funding Agreement. See Stand Alone Manual Notice 98-2 for instructions.

Funding for this Change Order has been arranged:

 TxDOT Representative Date

Typed/Printed Name: _____



Anderson Columbia Co., Inc.

P.O. Box 565 • Weslaco, TX 78599

April 17, 2012

Mr. Ricardo Gallaga, P.E.
Assistant Area Engineer
1120 E. 77 Sunshine Strip
San Benito, TX. 78586


Re: CONNECT TO EXISTING INLET
SH 550, Cameron Co.
STP 2009(662)ES

Mr. Gallaga,

Anderson Columbia has attached revisions to requested change order.

Respectfully,

ANDERSON COLUMBIA CO., INC.


James Cavazos
Project Manager

2210 N. Vo-Tech Dr • Weslaco, TX 78596
Phone: 956-969-4614 • Fax: 956-968-0982

ANDERSON COLUMBIA CO, INC.
 CHANGE ORDER
 PROJECT NO.: STP 2009 (662)ES
 CSJ: 3622-01-001
 SH 550, CAMERON COUNTY

17-Apr-12

ACCI JOB NUMBER: 90105

CONNECT TO EXISTING TY C INLET

1EA

LABOR (Rates include payroll taxes & insurance)

<u>Description</u>	<u>Hourly Rate</u>	<u>Overtime Factor</u>	<u>Avg. Hourly Rate w/ OT</u>	<u>Hours Worked</u>	<u>P/R Taxes 55%</u>	<u>Markup 25%</u>		
				0.00	0.00	0.00	=	0.00
				0.00	0.00	0.00	=	<u>0.00</u>
								0.00

EQUIPMENT

<u>Description</u>	<u>Blue Book Hourly Rate</u>	<u>Equipment Hours</u>	<u>Equipment Cost</u>	<u>Markup 15%</u>
--------------------	------------------------------	------------------------	-----------------------	-------------------

MATERIALS

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Material Cost</u>	<u>Markup 25%</u>		
None	0	EA	0.00	0.00	0.00	=	<u>0.00</u>
							0.00

SUBCONTRACTOR

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Material Cost</u>	<u>Markup 5%</u>	<u>Markup 1%</u>		
CONNECT TO EXISTING INLET	1	EA	1,076.24		53.81	10.76	=	1,140.81
BRICK & MORTAR PLUG	1	EA	220.9		11.05	2.21	=	234.15
MOBILIZATION	1	LS	874.06		43.70	8.74		<u>926.50</u>
								2,301.47

TOTAL COST

2,301.47

UNIT PRICE

\$2,301.47 EA

*** ADDITIONAL WORKING DAYS:

4

Note:

Bid Proposal - Change Request - New Work Items

McAllen Construction, Inc. REV 03

P.O. Box 3244
 McAllen, Texas 78502
 Contact: James Eckroat
 Phone: 956-686-7819
 Fax: 956-686-7824

Quote To: Anderson Columbia Co., Inc.
 2210 N. Vo-Tech Drive
 Weslaco, TX 78596
Phone: (956)969-4614
Fax: (956) 968-0982
Attn: James Cavazos

Job Name: Cameron Co SH 550
Bid Date: Jan., 24, 2012
Date of Plans: None Available
Revision Date:

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	CONNECT TO EXISTING INLET	1.00	EA	1,076.24	1,076.24
	BRICK & MORTAR PLUG	1.00	EA	220.90	220.90
	MOBILIZATION	1.00	LS	874.06	874.06
GRAND TOTAL					\$2,171.20

NOTES:

Scope:

New Items
 Mobilize

Plug existing 30" RCP at inlet wall
 Cut hole in side of existing inlet
 Grout 30" RCP in to new hole cut in inlet.

Existing items

Remove existing riprap adjacent to inlet as required to make new connection.
 Replace riprap adjacent to inlet at new connection
 Install concrete riprap at 30" outfall
 Install 30" RCP

ASSUMPTIONS:

The scope of the riprap in the outfall ditch is within the working range of a rubber tired backhoe.
 Any required ditch excavation will be complete before we mobilize.
 We will receive construction drawings prior to beginning work.

McAllen Construction, Inc. will perform construction staking from conveniently located controls placed by the Owner's representative.

The prices quoted do NOT include the cost of payment and performance bond.

McAllen Construction, Inc. will not dispose of or mitigate any insitu materials that may be hazardous.
 Hazardous materials include, but are not limited to contaminated soils, asbestos cementitious pipe, lead, etc.
 The remediation or removal of hazardous materials is the responsibility of others.

In the event that additional information is required, please feel free to contact me.

Sincerely,

James Eckroat

Direct Cost Report

Activity Resource	Desc	Pos	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 10											
Description =		CONNECT TO EXISTING INLET		Land Item Unit =	SCHEDULE: I	100					
					EA	Takeoff Quan:		1.000	Engr Quan:		1.000
Summary Codes:											
110	Excav & Cut Hole in Existing Inlet Wall		Quans:	1.00 EA	Hrs/Shft:	10.00	Cnt:	50	WC:	TX5203	
LBM5	LOADER BACKHOE W/ 5 MEN	4.00 CH	Eff:	100.00	Prod:	0.4008 SU	Lab Pes:	5.00	Eqp Pes:	3.00	
	Air Compressor 180 - 2	1.00		4.00 HR	17.412			70			70
	Air Tool	1.00		4.00 HR	0.853			3			3
	Loader Backhoe	1.00		4.00 HR	47.691			191			191
	Common Labor	2.00		8.00 MH	12.130	139					139
	Foreman	1.00		4.00 MH	22.040	117					117
	Equipment Operator	1.00		4.00 MH	14.890	85					85
	Skilled Labor	1.00		4.00 MH	12.130	70					70
\$674.36	20.0000 MH/EA	20.00 MH		[313.79]		411		264			675
-----> Item Totals: 10 - CONNECT TO EXISTING INLET											
\$674.36	20.0000 MH/EA	20.00 MH		[313.79]		411		264			675
674.560	1 EA					410.75		263.81			674.56
BID ITEM = 15											
Description =		BRICK & MORTAR PLUG		Land Item Unit =	SCHEDULE: I	100					
					EA	Takeoff Quan:		1.000	Engr Quan:		1.000
Summary Codes:											
110	BRICK & MORTAR PLUG		Quans:	1.00 EA	Hrs/Shft:	10.00	Cnt:	50	WC:	TX5506	
LAB12	LABOR CREW 1 SKILL, 2 COMMON	1.50 CH	Eff:	100.00	Prod:	0.1500 SU	Lab Pes:	3.00	Eqp Pes:	0.00	
	Common Labor	2.00		3.00 MH	12.130	48					48
	Skilled Labor	1.00		1.50 MH	12.130	24					24
\$72.36	4.5000 MH/EA	4.50 MH		[60.04]		72					72
210	Bricks, sand & Mortar		Quans:	1.00 LS	Hrs/Shft:	10.00	Cnt:	50	WC:	TX5506	
	Bricks, SAnd & @108.75%	1.00 LS		30.000				33			33
-----> Item Totals: 15 - BRICK & MORTAR PLUG											
\$104.99	4.5000 MH/EA	4.50 MH		[60.04]		72		33			105
104.990	1 EA					72.36		32.63			104.99
BID ITEM = 20											
Description =		MOBILIZATION		Land Item Unit =	SCHEDULE: I	100					
					LS	Takeoff Quan:		1.000	Engr Quan:		1.000
Summary Codes:											
110	Haul Equipment		Quans:	2.00 TRIP	Hrs/Shft:	10.00	Cnt:	50	WC:	TX5203	
H1LB50	1 HAUL TRK, 50 TON LOW BOY	8.00 CH	Eff:	100.00	Prod:	0.4000 SU	Lab Pes:	1.00	Eqp Pes:	2.00	
	Truck Tractor	1.00		8.00 HR	60.403			483			483
	Low Boy Trailer 50 ton	1.00		8.00 HR	13.718			110			110
	Skilled Labor	1.00		8.00 MH	12.130	139					139
\$732.05	4.0000 MH/TRIP	8.00 MH		[53.37]		139		593			732
-----> Item Totals: 20 - MOBILIZATION											
\$732.05	8.0000 MH/LS	8.00 MH		[106.74]		139		593			732
732.050	1 LS					139.09		592.96			732.05

Direct Cost Report

Activity Resource	Desc	Quantity Pcs	Unit	Unit Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 20										
Description =	MOBILIZATION									
SI,511.60	*** Report Totals ***	32.50	MH		622		33	857		1,512

>>> Indicates Non Additive Activity

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.

This report shows TAKEOFF Quantities with the resources.

Bid Date: 01/24/12 Owner: Engineering Firm:
 Estimator-In-Charge:

* on units of MH indicate average labor unit cost was used rather than base rate.

[] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%

-----Calendar Codes-----

- 40 40 Hour Work Week
- 50 50 Hour Work Week (Default Calendar)
- 55 55 Hour Work Week
- 60 60 Hour Work Week
- 66 66 Hour Work Week
- D40 Double 40 Hour Shifts

The following is based on wage rates calculated on a 50 HR Work Week, which has a 10% premium added to the regular labor hourly rates.

<u>Labor:</u>		<u>Wage w/</u>		<u>80% Markup</u>		<u>Price</u>	
<u>Activity</u>	<u>Position</u>	<u>#</u>	<u>Wage</u>	<u>10% Premium</u>	<u>Hr.</u>	<u>(55% Burden+ 25% Profit)</u>	<u>per 50 HR Week</u>
Connect to inlet	Common Labor	2	12.13	13.34	8	1.8	384.28
	Foreman	1	22.04	24.24	4	1.8	174.56
	Equipment Op	1	14.89	16.38	4	1.8	117.93
	Skilled Labor	1	12.13	13.34	4	1.8	96.07
Brick & Mortar	Common Labor	2	12.13	13.34	3	1.8	144.10
	Skilled Labor	1	12.13	13.34	1.5	1.8	36.03
Mobilization	Skilled Labor	1	12.13	13.34	8	1.8	192.14
							1145.10
<u>Equipment:</u>		<u>#</u>	<u>Rate</u>	<u>Hr.</u>	<u>15% Markup</u>	<u>Price</u>	
Connect to Inlet	Air Compressor	1	17.41	4	1.15	80.10	
	Air Tool	1	0.85	4	1.15	3.92	
	Loader Backhoe	1	47.69	4	1.15	219.38	
Mobilization	Truck Tractor	1	60.40	8	1.15	555.71	
	Low Boy Trailer	1	13.72	8	1.15	126.21	
						985.31	
<u>Material:</u>		<u>#</u>	<u>Rate</u>	<u>25% Markup</u>	<u>Price</u>		
Brick & Mortar	Bricks/Sand	1	32.63	1.25	40.78		

Subcontractor (McAllen C. Total Costs = **\$2,171.20**
 Prime Contractor's 5% Markup \$2,279.76
 Prime Contractor's 1% Bond \$2,302.55
 Total Cost (CO#12) Line Item#1967 **\$2,302.55**

VS \$2,301.47 (Contractor's Final Cost) = OK

Version 3.05, Jan. 23, 2002
 Run # 277270 (71.0747) AM

WINDOW: STORM DRAIN DESIGN
 PROJECT DESCRIPTION: NETWORK 'B'
 PROJECT LOCATION: 10 Years
 ANALYSIS FREQUENCY: 10 Years
 MEASUREMENT UNITS: ENGLISH

OUTPUT FOR ANALYSIS FREQUENCY OF: 10 Years

Runoff Computation for Design Frequency:

ID	C Value	Area (acres)	To (cfs)	1c Used (cfs)	Intensity (in/hr)	Supply 0 (cfs)	Total 0 (cfs)
B-1	0.54	4.37	48.00	0.00	5.46	0.000	20.750
B-2	0.35	4.76	48.00	0.00	5.46	0.000	14.889

Seg Inlets Configuration Data:

ID	Inlet Type	Inlet Length (ft)	Grate Area (sq ft)	Left-Slope Right-Slope	Depth (ft)	Depth (ft)	Crit'c (ft)
B-1	Grate	21.65	27.32	1.00 2.00	0.014	N/A	0.50
B-2	Grate	21.65	27.32	1.00 2.00	0.014	N/A	0.50

Seg Inlets Computation Data:

ID	Type	Length (ft)	Area (sq ft)	Total 0 (cfs)	Capacity (cfs)	Head (ft)	Right (ft)
B-1	Grate	21.65	27.32	15.92	23.60	0.39	14.40
B-2	Grate	21.65	27.32	15.92	23.60	0.39	14.40

Cumulative Junction Discharge Computations:

ID	Type	Length (ft)	Area (sq ft)	Total 0 (cfs)	Capacity (cfs)	Head (ft)	Right (ft)
B-1	Grate	43.30	54.64	31.84	47.20	0.39	14.40
B-2	Grate	43.30	54.64	47.76	70.80	0.39	14.40

Convergence Configuration Data:

Run	US	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)
1	B-1	31.84	31.84	0.00	31.84	0.00	31.84
2	B-2	47.76	47.76	0.00	47.76	0.00	47.76

Convergence Hydraulic Computations:

Run	US	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)
1	B-1	31.84	31.84	0.00	31.84	0.00	31.84
2	B-2	47.76	47.76	0.00	47.76	0.00	47.76

Warning Messages for current project:
 Discharge decreased downstream node (e.g. J-01) Previous Intensity used.
 Discharge decreased downstream node (e.g. J-02) Previous Intensity used.
 Discharge decreased downstream node (e.g. J-03) Previous Intensity used.
 Run # 2 Infiltration capacity.

Version 3.05, Jan. 23, 2002
 Run # 1217000 (8191.20) AM

WINDOW: STORM DRAIN DESIGN
 PROJECT DESCRIPTION: NETWORK 'A'
 PROJECT LOCATION: 10 Years
 ANALYSIS FREQUENCY: 10 Years
 MEASUREMENT UNITS: ENGLISH

OUTPUT FOR DESIGN FREQUENCY OF: 10 Years

Runoff Computation for Design Frequency:

ID	C Value	Area (acres)	To (cfs)	1c Used (cfs)	Intensity (in/hr)	Supply 0 (cfs)	Total 0 (cfs)
A-1	0.50	10.00	0.00	0.00	5.00	48.450	48.450
A-2	0.42	6.95	0.00	0.00	4.90	0.000	10.197
A-3	0.47	5.27	48.50	0.00	5.76	0.000	5.033

Seg Inlets Configuration Data:

ID	Inlet Type	Inlet Length (ft)	Grate Area (sq ft)	Left-Slope Right-Slope	Depth (ft)	Depth (ft)	Crit'c (ft)
A-1	Grate	20.50	23.38	1.00 2.00	0.014	N/A	0.50
A-2	Grate	20.50	23.38	1.00 2.00	0.014	N/A	0.50
A-3	Grate	20.50	23.38	1.00 2.00	0.014	N/A	0.50

Seg Inlets Computation Data:

ID	Type	Length (ft)	Area (sq ft)	Total 0 (cfs)	Capacity (cfs)	Head (ft)	Right (ft)
A-1	Grate	20.50	23.38	15.06	22.314	0.364	14.50
A-2	Grate	20.50	23.38	15.06	22.314	0.364	14.50
A-3	Grate	20.50	23.38	15.06	22.314	0.364	14.50

Cumulative Junction Discharge Computations:

ID	Type	Length (ft)	Area (sq ft)	Total 0 (cfs)	Capacity (cfs)	Head (ft)	Right (ft)
A-1	Grate	41.00	46.76	30.12	44.628	0.364	14.50
A-2	Grate	61.50	70.14	45.18	66.942	0.364	14.50
A-3	Grate	82.00	93.52	60.24	89.256	0.364	14.50

Convergence Configuration Data:

Run	US	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)
1	A-1	30.12	30.12	0.00	30.12	0.00	30.12
2	A-2	45.18	45.18	0.00	45.18	0.00	45.18
3	A-3	60.24	60.24	0.00	60.24	0.00	60.24

Convergence Hydraulic Computations:

Run	US	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)
1	A-1	30.12	30.12	0.00	30.12	0.00	30.12
2	A-2	45.18	45.18	0.00	45.18	0.00	45.18
3	A-3	60.24	60.24	0.00	60.24	0.00	60.24

Warning Messages for current project:
 Discharge decreased downstream node (e.g. J-01) Previous Intensity used.
 Discharge decreased downstream node (e.g. J-02) Previous Intensity used.
 Run # 2 Infiltration capacity.

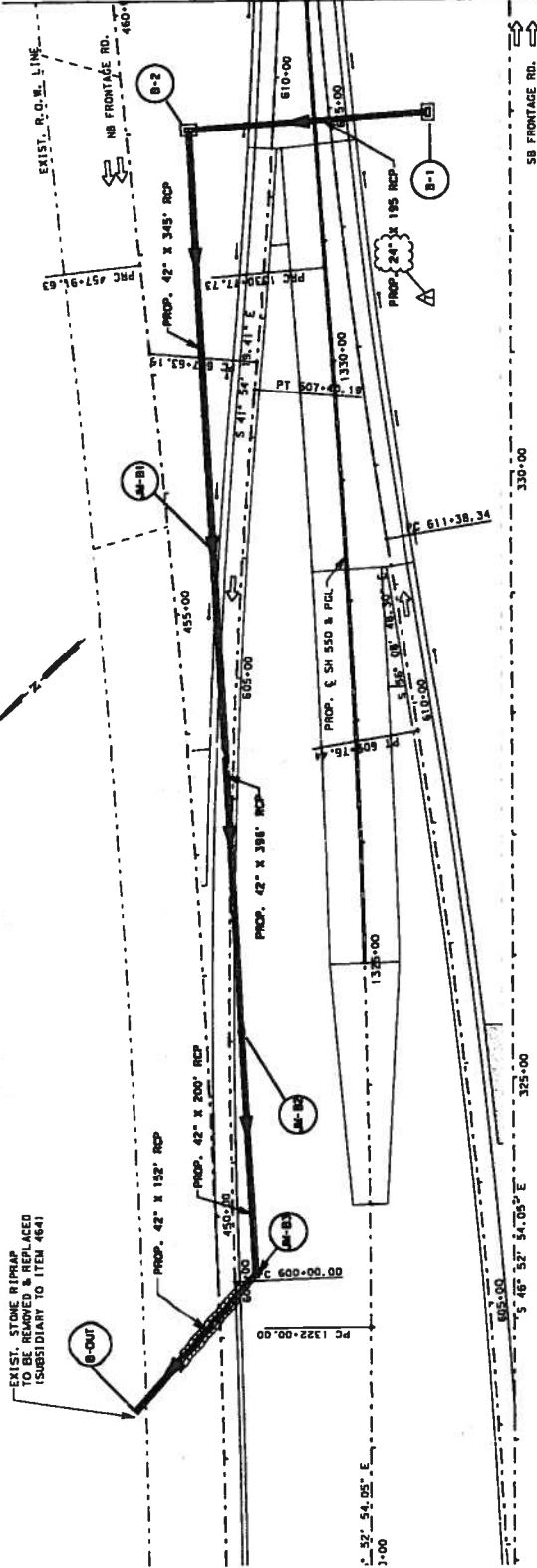


TEXAS DEPARTMENT OF TRANSPORTATION
 SH 550
 STORM SEWER
 HYDRAULIC DATA

PROJECT NO. 0000000000
 SHEET NO. 1 OF 2
 DATE: 11/11/00
 DRAWN BY: RENE GARZA
 CHECKED BY: RENE GARZA
 DESIGNED BY: RENE GARZA
 APPROVED BY: RENE GARZA

EXIST. STONE BURNING
TO BE REMOVED & REPLACED
SUBSIDIARY TO ITEM 4641

JACK BORE OR TUNN PIPE
STEEL CASING (SUBSIDIARY TO ITEM 476)

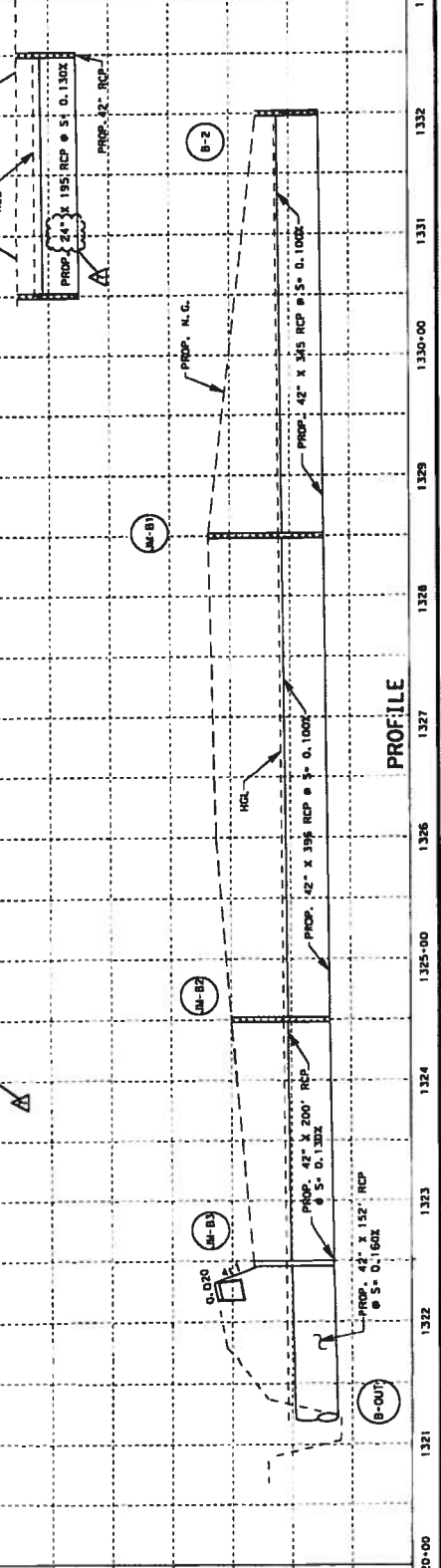


CHANGE ORDER # 7
MODIFIED STATIONS & OFFSETS,
CHANGED 36\"/>

PLAN

NETWORK "B"

STR. I.D.	DESC.	STATION/OFFSET	TOP OF STR. ELEVATION (FT)	PROP. F.L. OF STRUCTURE PIPE (FT)	PROP. F.L. OF PIPE (NORTH) (FT)	PROP. F.L. OF PIPE (SOUTH) (FT)	PROP. F.L. OF PIPE (EAST) (FT)	PROP. F.L. OF PIPE (WEST) (FT)
B-1	12\"/>							
B-2	12\"/>							
B-3	12\"/>							
B-4	12\"/>							
B-5	12\"/>							
B-6	12\"/>							
B-7	12\"/>							
B-8	12\"/>							
B-9	12\"/>							
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PROFILE

© 2009 TEXAS DEPARTMENT OF TRANSPORTATION

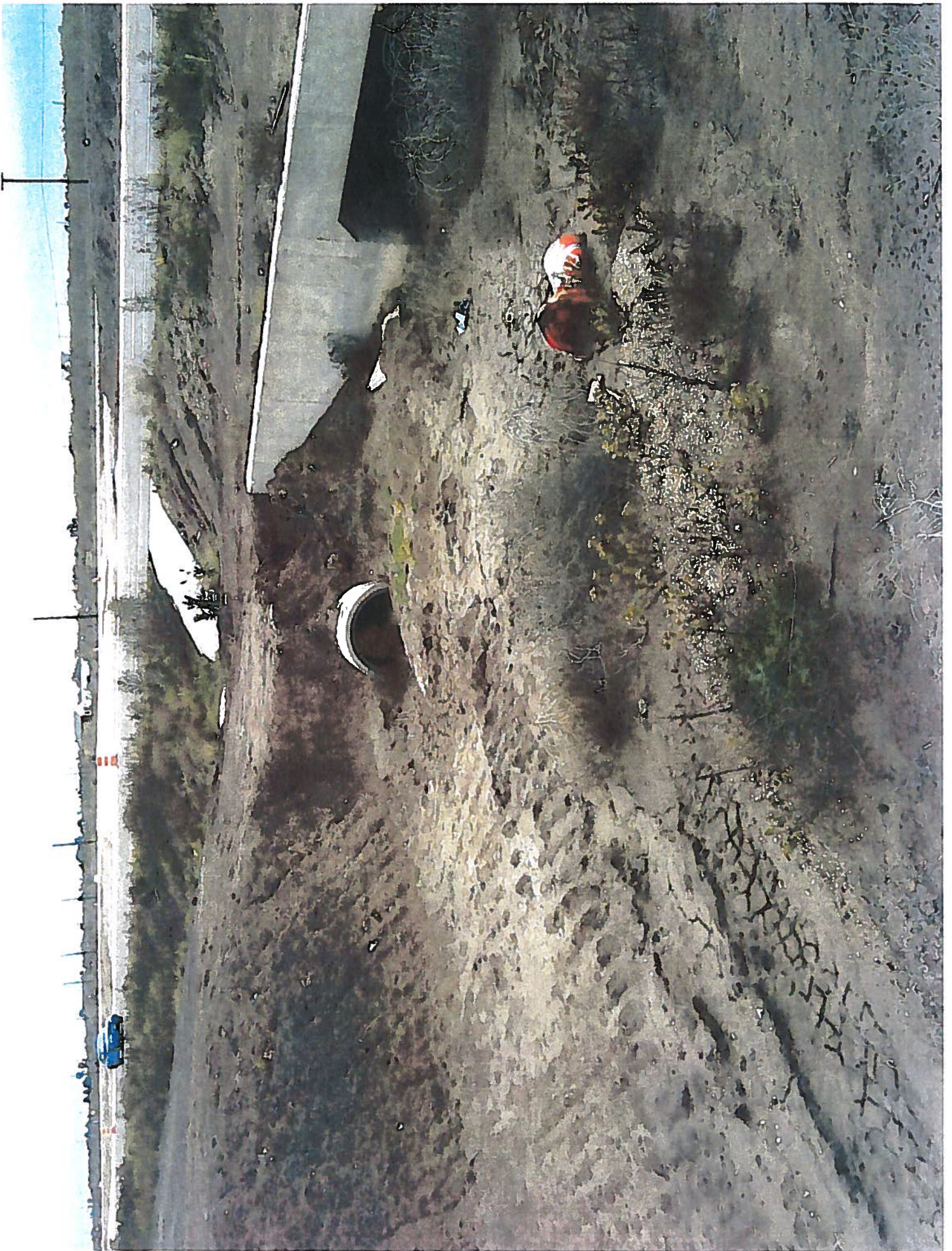
RENE GARZA
89228
12/01

SH 550
STORM SEWER
LAYOUT
NETWORK "B"

SCALE: PLAN 1" = 100' HORIZ.
PROFILE 1" = 10' VERT.

SHEET 2 OF 2

STATE	TEXAS	DIST.	21	COUNTY	CAMERON
PROJECT NO.	3852	CONTRACT NO.	01	SECTION NO.	54
DRAWN BY		CHECKED BY		DATE	



LEGEND

- P. U. B. WATER
- SEWER-SANITARY
- OLMTO-WATER
- OLMTO-SANITARY
- SEWER
- WATER
- ELECTRIC SERVICE
- P. U. B. GAS
- MAGD VALLEY
- ACP
- GAS SERVICE
- TRANSMISSION
- TEXAS GAS SERVICE
- RD USTA
- TELEPHONE/CABLE/INTERNET SERVICE
- THE WARNER
- CABLE-OVERHEAD
- THE WARNER
- THE WARNER
- FIBER-UNDERGROUND
- SBC TELEPHONE
- SBC FIBER
- GENERAL
- EXIST TOPO
- EXIST ROW
- PROP CONST
- PROP ALIGNMENT
- PROP ROW
- ACCESS CONTROL
- PROP EASEMENT
- ESMT

7/16/17

MACTEC

3520 EXECUTIVE CENTER DRIVE
SUITE 200
AUSTIN, TEXAS 78731
(512) 752-0360

MACTEC
3520 EXECUTIVE CENTER DRIVE
SUITE 200
AUSTIN, TEXAS 78731
(512) 752-0360

MACTEC
3520 EXECUTIVE CENTER DRIVE
SUITE 200
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(512) 752-0360

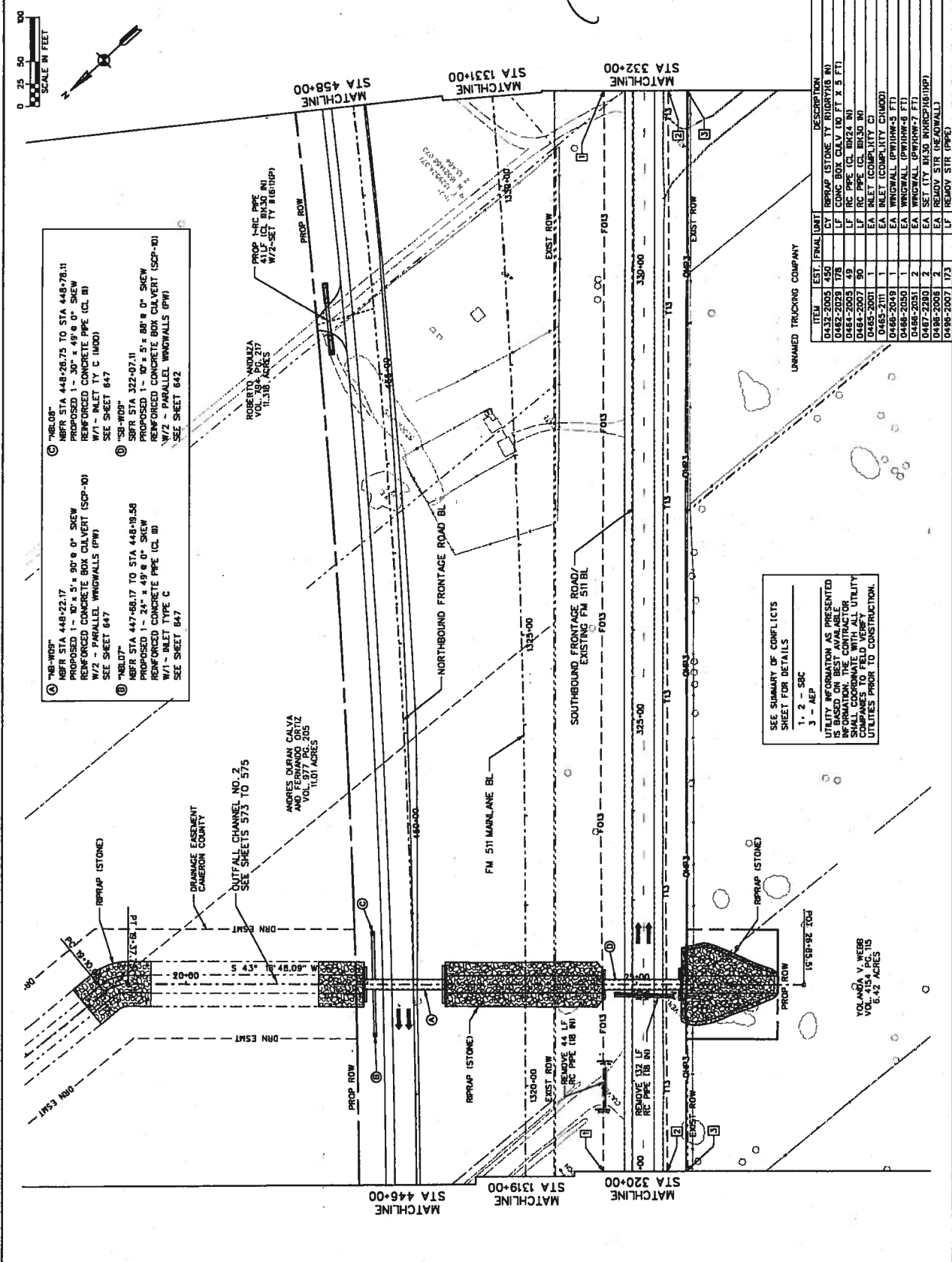
PLAN

FM 511

DRAINAGE & UTILITY

NE FRONTAGE ROAD
STA 446+00 TO STA 458+00
SE FRONTAGE ROAD
STA 320+00 TO STA 332+00
(SHEET 29 OF 34)

ITEM	EST.	FINAL	UNIT	DESCRIPTION
0432-2005	450	450	LF	REPRAP (STONE) TY BURDIPUR (W)
0482-2008	178	178	LF	CONC BOX CULV (40 FT X 5 FT)
0484-2005	49	49	LF	RC PIPE (CL BR24 IN)
0484-2007	90	90	LF	RC PIPE (CL BR30 IN)
0485-2001	1	1	EA	INLET (COMPLIANT C)
0485-2111	1	1	EA	INLET (COMPLIANT CHMOD)
0486-2049	1	1	EA	WINDWALL (PPTIHW-3 FT)
0486-2050	1	1	EA	WINDWALL (PPTIHW-6 FT)
0486-2051	2	2	EA	WINDWALL (PPTIHW-7 FT)
0487-2000	2	2	EA	SET (TY BR30 WARCIP-8INP)
0488-2005	1	1	EA	REBAR STR (R-CONWALL)
0489-2002	1	1	LF	REBAR STR (R-PE)

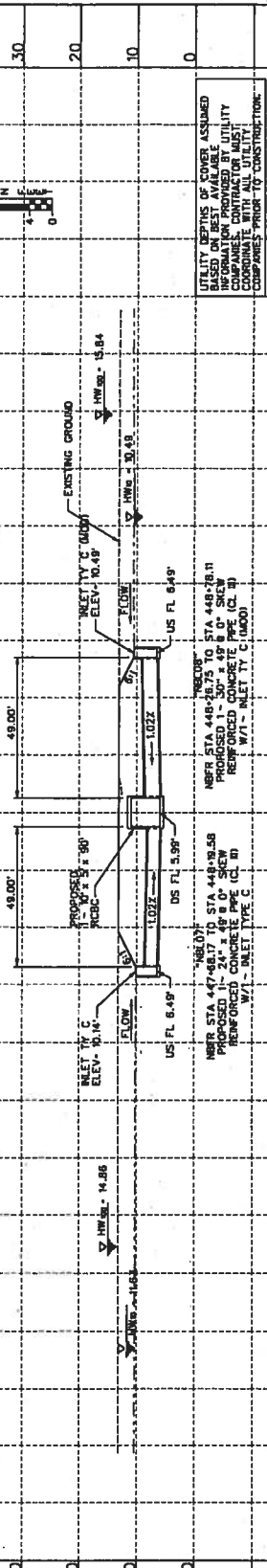




HYDROLOGY DATA (24" x 49")

DESCRIPTION	DISCHARGE (CFS)	HEADWATER ELEVATION (FT)	TAILWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN 10 YR.	25.74	11.63	7.18	8.71
CHECK 100 YR.	32.81	14.86	7.80	16.83
DESIGNABLE		14.32		

DESIGN FLOW OBTAINED FROM THE HYDROLOGIC & HYDRAULIC REPORT PREPARED BY MACTEC ENGINEERING AND CONSULTING, INC. REVISED 03/22/07



HYDROLOGY DATA 120" x 49 RCP

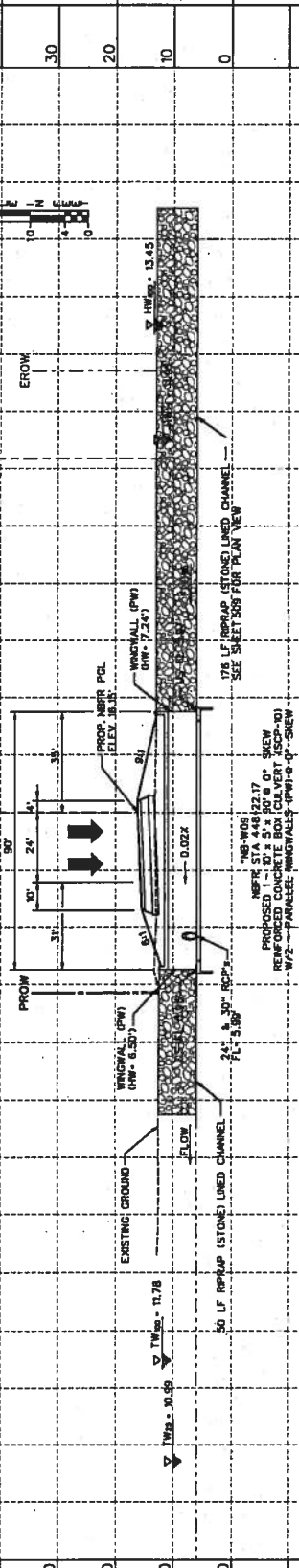
DESCRIPTION	DISCHARGE (CFS)	HEADWATER ELEVATION (FT)	TAILWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN 10 YR.	37.28	30.43	7.47	9.39
CHECK 100 YR.	79.78	51.84	8.29	16.30
DESIGNABLE		47.23		

DESIGN FLOW OBTAINED FROM THE HYDROLOGIC & HYDRAULIC REPORT PREPARED BY MACTEC ENGINEERING AND CONSULTING, INC. REVISED 03/22/07

HYDROLOGY DATA

DESCRIPTION	DISCHARGE (CFS)	HEADWATER ELEVATION (FT)	TAILWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN 25 YR.	379.32	16.63	11.78	6.58
CHECK 100 YR.	634.00	13.45	11.78	6.18
DESIGNABLE		13.00		

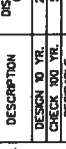
DESIGN FLOW OBTAINED FROM THE HYDROLOGIC & HYDRAULIC REPORT PREPARED BY MACTEC ENGINEERING AND CONSULTING, INC. REVISED 03/22/07



HYDROLOGY DATA 120" x 49 RCP

DESCRIPTION	DISCHARGE (CFS)	HEADWATER ELEVATION (FT)	TAILWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN 10 YR.	37.28	30.43	7.47	9.39
CHECK 100 YR.	79.78	51.84	8.29	16.30
DESIGNABLE		47.23		

DESIGN FLOW OBTAINED FROM THE HYDROLOGIC & HYDRAULIC REPORT PREPARED BY MACTEC ENGINEERING AND CONSULTING, INC. REVISED 03/22/07



UTILITY DEPTHS OF COVER ASSUMED BASED ON BEST AVAILABLE DATA. CONTRACTOR MUST COORDINATE WITH ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION.

DESIGN STA 448+70.00 TO STA 448+70.11
 PROPOSED 12" x 49" RCP
 REINFORCED CONCRETE PIPE (CL 10)
 W-71 - INLET TYPE C

DESIGN STA 448+72.17 TO STA 448+72.28
 PROPOSED 12" x 49" RCP
 REINFORCED CONCRETE PIPE (CL 10)
 W-71 - INLET TYPE C

DESIGN STA 448+72.27 TO STA 448+72.37
 PROPOSED 12" x 49" RCP
 REINFORCED CONCRETE PIPE (CL 10)
 W-71 - INLET TYPE C

DESIGN STA 448+72.37 TO STA 448+72.47
 PROPOSED 12" x 49" RCP
 REINFORCED CONCRETE PIPE (CL 10)
 W-71 - INLET TYPE C

DESIGN STA 448+72.47 TO STA 448+72.57
 PROPOSED 12" x 49" RCP
 REINFORCED CONCRETE PIPE (CL 10)
 W-71 - INLET TYPE C

DESIGN STA 448+72.57 TO STA 448+72.67
 PROPOSED 12" x 49" RCP
 REINFORCED CONCRETE PIPE (CL 10)
 W-71 - INLET TYPE C



NO.	DATE	REVISION DESCRIPTION	APP. BY



MACTEC
 3530 EXECUTIVE CENTER DRIVE
 AUSTIN, TEXAS 78731
 (512) 795-0350

FM 311
PROPOSED CROSS CULVERTS NORTHBOUND FRONTAGE ROAD

DATE	INT.	COUNTY

(SHEET 4 OF 5)

NO.	DATE	REVISION DESCRIPTION	APP. BY

DATE	INT.	COUNTY

NO.	DATE	REVISION DESCRIPTION	APP. BY

DATE	INT.	COUNTY

NO.	DATE	REVISION DESCRIPTION	APP. BY

DATE	INT.	COUNTY

NO.	DATE	REVISION DESCRIPTION	APP. BY

DATE	INT.	COUNTY

NO.	DATE	REVISION DESCRIPTION	APP. BY

3B

REPORT DATE: 4/18/2012 10:24:26AM

15

CHANGE ORDER NBR.



CONTRACT ID: 362201001
 PROJECT: STP 2009(662)ES
 CONTRACT: 03103002
 AWARD AMOUNT: \$34,161,741.40
 PROJECTED AMOUNT: \$34,357,241.40
 CONTRACTOR: ANDERSON COLUMBIA CO., INC.

HIGHWAY: SH 550
 DISTRICT: 21
 COUNTY: CAMERON
 AREA ENGINEER: Hector Gonzalez, P.E. Interim
 AREA NUMBER: 055

Functions:

<input checked="" type="checkbox"/> Extra Work	<input type="checkbox"/> Force Account
<input type="checkbox"/> Zero Dollar	<input type="checkbox"/> Final Quantity
<input checked="" type="checkbox"/> Overrun/Underrun	<input type="checkbox"/> Change Project Limits
<input type="checkbox"/> Time Adjustment	<input type="checkbox"/> Delete/Add CSJ

CO AMOUNT: -\$204,151.46
 CO TYPE: FED LETTER OF AUTH - MINOR - PART
 3RD PARTY AMOUNT: \$0.00
 APPRV LEVEL: District Engineer

DESCRIPTION: ELIM SEAL COAT ON ML & INTRODUCE NON-COATED AGGREGATE
 REASON: 3H - 3H-COST SAVINGS OPPORTUNITY
 SECONDARY REASON(S):

DESCRIBE THE REASON FOR THE CHANGE ORDER AND WHAT IS BEING CHANGED. WHEN NECESSARY, INCLUDE EXCEPTIONS TO THIS AGREEMENT:

Change order # 15 proposes to eliminate seal coat from all locations with a hotmix pavement thickness greater than 3 inches. For the remaining locations with a hotmix pavement thickness less than 3 inches, non-coated aggregate will be used in lieu of proposed pre-coated aggregate.

Proposed plans call for seal coat with pre-coated aggregate on SH 550 main lanes, ramps, and frontage roads, jug handles at Old Port Isabel road, access roads at Union Pacific railroad, and SH 48 main lanes and frontage roads. TxDOT decided during construction to eliminate seal coat on all roadway sections with proposed hotmix thickness greater than 3 inches. As per district policy, seal coat is required only for roadway sections with 3 inches or less of hotmix. Therefore, TxDOT instructed contractor to eliminate proposed seal coat at SH 550 main lanes and on/off ramps only.

TxDOT also decided to replace proposed pre-coated aggregate with non-coated aggregate due to a cost savings opportunity. Therefore, TxDOT instructed contractor to provide non-coated rock on remaining proposed seal coat locations, except for north and south jug handles at Old Port Isabel Road. These last two locations had already been seal coated with pre-coated aggregate by the time TxDOT decided to change from pre-coated to non-coated aggregate.

See Revised SH#36R.

ADDITIONAL TIME NOT NEEDED

"By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change and that this agreement is made in accordance Item 4 and the Contract. Exceptions should be noted in explanation above."

THE CONTRACTOR

BY: _____ **DATE**
TYPED/PRINTED NAME: _____ **DATE**
TYPED/PRINTED TITLE: _____ **DATE**
AREA ENGINEER: _____ **DATE**
AREA ENGINEER'S SEAL: _____ **DATE**

DISTRICT ENGINEER: _____ **DATE**
DIRECTOR, CONSTRUCTION DIVISION: _____ **DATE**
DEPUTY EXECUTIVE DIRECTOR: _____ **DATE**
FHWA: _____ **DATE**

CONTRACT ITEMS

PROJECT NBR 068401066

CATG NBR	LINE ITEM	ITEM CODE	SP NBR	DESCRIPTION	UNIT	UNIT PRICE	ORIG + PREV REV QTY	QTY THIS CO	NEW QTY	AMOUNT THIS CO
001	1580	03162125	000	AGGR(TY-PB GR-4 SAC-A) EXIST ITEM# CO#15	CY	60.00000	430.000	-356.000	74.000	-\$21,360.00
001	1583	03162174	000	AGGR(TY-B GR-4 SAC-B) NEW ITEM# CO#15	CY	51.23000	0.000	108.000	108.000	\$5,532.84
001	1585	03162421	000	ASPH (AC-10 OR HFRS-2P) EXIST ITEM# CO#15	GAL	2.90000	15,481.000	-8,945.000	6,536.000	-\$25,940.50

PROJECT NBR 362201001

CATG NBR	LINE ITEM	ITEM CODE	SP NBR	DESCRIPTION	UNIT	UNIT PRICE	ORIG + PREV REV QTY	QTY THIS CO	NEW QTY	AMOUNT THIS CO
001	0130	03162125	000	AGGR(TY-PB GR-4 SAC-A) EXIST ITEM# CO#15	CY	60.00000	1,926.000	-1,926.000	0.000	-\$115,560.00
001	0133	03162174	000	AGGR(TY-B GR-4 SAC-B) NEW ITEM# CO#15	CY	51.23000	0.000	990.000	990.000	\$50,717.70
001	0135	03162421	000	ASPH (AC-10 OR HFRS-2P) EXIST ITEM# CO#15	GAL	2.90000	69,236.000	-33,635.000	35,601.000	-\$97,541.50

CHANGE ORDER AMOUNT

-\$204,151.46



Anderson Columbia Co., Inc.

P.O. Box 565 • Weslaco, TX 78599

March 20, 2012

Mr. Ricardo Gallaga, P.E.
Assistant Area Engineer
1120 E. 77 Sunshine Strip
San Benito, TX. 78586


Re: AGGR TY B GR 4 SAC B
SH 550, Cameron Co.
STP 2009(662)ES

Mr. Gallaga,

Anderson Columbia has attached requested change order AGGR TY B GR 4 SAC B.

Respectfully,

ANDERSON COLUMBIA CO., INC.


James Cavazos
Project Manager

2210 N. Vo-Tech Dr • Weslaco, TX 78596
Phone: 956-969-4614 • Fax: 956-968-0982

ANDERSON COLUMBIA CO, INC.
 CHANGE ORDER
 PROJECT NO.: STP 2009(662)ES
 CSJ: 3622-01-001
 SH550, CAMERON COUNTY

20-Mar-12

ACCI JOB NUMBER: 90105

0316-2076 AGGR TY B GR 4 SAC B 1098 CY

LABOR (Rates include payroll taxes & Insurance)

Description	Hourly Rate	Overtime Factor	Avg. Hourly Rate w/ OT	Hours Worked	P/R Taxes 55%	Markup 25%		
Foreman	30.00	1.00	30.00	15.00	247.50	112.50	=	810.00
Operator/Leadman	15.00	1.10	16.50	25.00	226.88	103.13	=	742.50
Operator	11.00	1.10	12.10	25.00	332.75	151.25	=	1,089.00
Driver	9.50	1.10	10.45	25.00	431.06	195.94	=	1,410.75
Utility	10.50	1.10	11.55	25.00	158.81	72.19	=	519.75
Labor	9.00	1.10	9.90	25.00	136.13	61.88	=	<u>445.50</u>
								5,017.50

EQUIPMENT

Description	Hourly Rate	Equipment Hours	Equipment Cost	Markup 15%		
Foreman Truck	20.69	12.00	248.28	37.24	=	285.52
Crew Truck	30.66	20.00	613.20	91.98	=	705.18
Chip Spreader	75.81	20.00	1516.20	227.43	=	1,743.63
Dump	60.10	20.00	3606.00	540.90	=	4,146.90
Loader	51.71	20.00	1034.20	155.13	=	1,189.33
Broom	35.59	12.00	427.08	64.06	=	491.14
Pnuematic	58.38	20.00	2335.20	350.28	=	<u>2,685.48</u>
						11,247.18

MATERIALS

Description	Quantity	Unit	Unit Cost	Material Cost	Markup 25%		
Aggr TY B GR 4 (Del'd)	1391	TN	23.00	31,993.00	7,998.25	=	<u>39,991.25</u>
							39,991.25

SUBCONTRACTOR

Description	Quantity	Unit	Unit Cost	Cost	Markup 5%		
None	0	TN	0.00	0.00	0.00	=	<u>0.00</u>
							0.00

TOTAL COST 56,255.93

UNIT PRICE \$51.23 CY

*** ADDITIONAL WORKING DAYS: 0

Note:

2460 #/CY plus 3% waste

FRONTERA

Materials, Inc.

P.O. BOX 1449
ELSA, TEXAS 78543

QUOTATION 1806
OFFICE (956) 316-8952
FAX (956) 316-8905

BROWNSVILLE PLANT (956) 350-4033
PROGRESO PLANT (956) 373-0349
LA JOYA PLANT (956) 369-1016
ROAMER PLANT (956) 330-5355

490 CALICHE PIT (956) 381-6255
REAVIS PIT (956) 519-0028
VANDERPOOL PIT (956) 330-6389

QUOTATION

CUSTOMER:
Name: Anderson Columbia
Address: _____
Attn: Lauren 515-1287
Phone: 969-4614
Fax: 956-968-0987

DATE: 3/29/12

PROJECT:
Description: FM 550
Project Number: _____
Bid Date: _____

Other: _____
Owner: _____
General Contr: _____

MATERIAL	F.O.B. LOCATION	QUANTITY	UNIT PRICE	AMOUNT
Type B GR 4 SAC-B	Progreso	+ 1410	\$18.00 per ton	

CONDITIONS: _____

Balances not paid by the 30th of the month following date of purchase will be charged interest at the maximum amount allowed by law.

Sales Tax will be added when applicable. Total amount due is payable on or before the 10th of the month following receipt of materials.

This Quotation may be withdrawn if not accepted within (30) days.

FRONTERA MATERIALS, INC.

BY: Barry Ehlinger / Liz Gonzalez

Indicate your acceptance of this Quotation by signing as provided below and returning one copy to our office:

ACCEPTED: [Signature] BY: _____ DATE: 3/29/12
Contractor
TITLE: _____

QUOTE

Rocky Road Dist. & Log Corp.

INVOICE # AC-001
DATE: MARCH 21, 2012

1865 Galveston Rd.
Brownsville, TX 78520
Phone (956)545-9246 Fax (956)550-0745
e-mail: rockyroadcorp@sbcglobal.net

EXPIRATION DATE: APRIL 20, 2012

TO Berry O'Bryan / Lorne Jonsson
Anderson Columbia
2010 Vo Tech Dr.
Westlaco, TX 78596

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
Javier A. Garza	ST. HWY. 550	50% up front, balance upon completion of delivery.	March 27, 2012

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
1500 US Tons	Grade 4 (Blue - Gray Limestone) All of our material is in accord to ASTM and TxDOT spec	\$ 16.00	\$ 24,000.00
SUBTOTAL			\$ 24,000.00
SALES TAX			Exempt
TOTAL			\$ 24,000.00

Quotation prepared by: Javier A. Garza

This is a quotation on the goods named, subject to the conditions noted below: (Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return: _____

THANK YOU FOR YOUR BUSINESS!

QUOTATION:

SUNBELT
JOB NO:



Company: ANDERSON COLUMBIA

Date: 3-19-2012

EXPRESS SERVICES, INC.

Address: WESLACO, TX

Project: 550

City: _____ Zip: _____

Location: BROWNSVILLE, TX

Contact: LORNE JOHNSON

Est. Start time: _____

Tele: 956-969-4614

Credit term: _____

Fax: JOHNSON L @ ANDERSON COLUMBIA .COM

Prices Quoted FOB: _____

Cell: _____

Delivery: _____

P.O. # _____

We are pleased to quote the following:

COMMODITY	ORIGIN/DESCRIPTION	DESTINATION	MILES	UNITS	RATES PER UNIT
AGGR	PROGRESO, TX	JOB SITE	40	TON	1.00 / TON

Please Note:

Terms & Conditions

1) The quoted transportation rates are valid for 30 days only from the original quote date and must be accepted in writing within this 30 day period. Our work on the project must commence 60 days from the original quote date. If both conditions are not met; the rates quoted will be subject to change.

2) Rates quoted are for freight only unless otherwise specified. If materials are sold, tax will be charged on materials and freight unless a tax exempt or resale certificate is supplied prior to billing.

3) Sunbelt is not responsible for delays due to weather, strikes, govt. action, war, truck shortages, fuel shortages, scheduling conflicts, material shortages, mechanical problems

4) For all approved credit accounts, all invoices are payable at Sunbelt's principal office in Harlingen, Texas by the 15th of the following month. If payments are not received within these credit terms, the account may be placed on credit hold.

SUNBELT EXPRESS SERVICES, INC.

BY: HANK FRAILING

P.O. BOX 111, Harlingen, Texas 78551
Office (956) 425-6767 • Fax (956) 425-6766

316 2014	ASPH (CRS - 1P)	GAL			75,961.000	2.80000	1
316 2015	ASPH (RC - 250)	GAL	126,110.000	4.56422	612,297.883	4.17478	34
316 2020	ASPH (AC - 5 OR AC - 10)	GAL			28,280.000	3.79260	2
316 2022	ASPH (HFRS - 2 OR CRS - 2)	GAL			319,652.000	3.19315	4
316 2023	ASPH (HFRS - 2P OR CRS - 2P)	GAL			56,941.000	3.51000	1
316 2025	ASPH (CRS - 2P OR CRS - 1P)	GAL			84,213.000	3.64630	6
316 2028	ASPH (AC - 5 OR 10, CRS / HFRS - 2, RS / CRS - 1P)	GAL			7,835.000	3.45000	1
316 2029	ASPH (AC - 15P OR AC - 20 - 5TR)	GAL			75,129.380	4.01025	3
316 2074	AGGR (TY - B GR - 3 SAC - A)	CY			11.000	85.00000	1
316 2076	AGGR (TY - B GR - 4 SAC - A)	CY			401.000	44.35000	1
316 2111	AGGR (TY - L GR - 5 SAC - A)	CY			100.000	53.25000	1
316 2125	AGGR (TY - PB GR - 4 SAC - A)	CY			100.000	150.00000	1
316 2139	AGGR (TY - PD GR - 3 SAC - A)	CY	675.000	88.24699	675.000	88.24699	1
316 2158	AGGR (TY - PL GR - 4 SAC - A)	CY			36.000	90.00000	1
316 2172	AGGR (TY - B GR - 3 SAC - B)	CY	1,302.000	52.42100	2,107.200	54.22433	7
316 2174	AGGR (TY - B GR - 4 SAC - B)	CY	443.000	51.96099	8,454.000	64.52736	10
316 2176	AGGR (TY - B GR - 5 SAC - B)	CY			3,610.319	70.28520	4
316 2182	AGGR (TY - C GR - 4 SAC - B)	CY			225.000	140.00000	1
316 2190	AGGR (TY - D GR - 4 SAC - B)	CY			550.000	93.44182	2
316 2192	AGGR (TY - D GR - 5 SAC - B)	CY	1,592.000	73.34790	1,599.000	73.42079	4
316 2196	AGGR (TY - E GR - 3 SAC - B)	CY			542.780	48.00000	1
316 2201	AGGR (TY - E GR - 5 SAC - B)	CY			348.930	51.74998	1
316 2204	AGGR (TY - L GR - 3S SAC - B)	CY			162.000	168.00000	1
316 2220	AGGR (TY - PB GR - 3S SAC - B)	CY			2,553.000	86.95613	3
316 2221	AGGR (TY - PB GR - 3 SAC - B)	CY			78,902.150	58.02364	24
316 2222	AGGR (TY - PB GR - 4S SAC - B)	CY			1,659.000	115.61664	3



CONTRACT ID: 362201001
 PROJECT: STP 2009(662)ES
 CONTRACT: 03103002
 AWARD AMOUNT: \$34,161,741.40
 PROJECTED AMOUNT: \$34,357,241.40
 CONTRACTOR: ANDERSON COLUMBIA CO., INC.

CO AMOUNT: \$1,221.85
 CO TYPE: FED LETTER OF AUTH - MINOR - NON-PART
 3RD PARTY AMOUNT: \$0.00
 APPRV LEVEL: Area Engineer

CHANGE ORDER NBR. 16

REPORT DATE: 4/18/2012 9:29:49AM

HIGHWAY: SH 550
 DISTRICT: 21
 COUNTY: CAMERON
 AREA ENGINEER: Hector Gonzalez, P.E. Interim
 AREA NUMBER: 055

-Functions:

<input checked="" type="checkbox"/> Extra Work	<input type="checkbox"/> Force Account
<input type="checkbox"/> Zero Dollar	<input type="checkbox"/> Final Quantity
<input checked="" type="checkbox"/> Overrun/Underrun	<input type="checkbox"/> Change Project Limits
<input type="checkbox"/> Time Adjustment	<input type="checkbox"/> Delete/Add CSJ

DESCRIPTION: DAMAGED 30" DRILL SHAFT ANCHOR BOLTS @ SBFR
 REASON: 3M - 3M-TXDOT CONVENIENCE - OTHER
 SECONDARY REASON(S):

DESCRIBE THE REASON FOR THE CHANGE ORDER AND WHAT IS BEING CHANGED. WHEN NECESSARY, INCLUDE EXCEPTIONS TO THIS AGREEMENT:

Change Order# 16 introduces an additional 30" drill shaft with anchor bolts to replace a proposed damaged roadway illumination assembly drill shaft.

Plans call for contractor to install a proposed 30" drill shaft for a proposed roadway illumination assembly (C-5) on existing SBFR at STA. 354+15 (L.T). Contractor installed 30" drill shaft and anchor bolts as per plans. TxDOT inspector discovered damage to anchor bolts caused by the general traffic during contractor non-working hours several days after drill shaft was poured. Therefore, TxDOT instructed contractor to re-drill shaft with new anchor bolts 5 feet up-station from original location. Contractor will remove damaged drill shaft 18" below natural ground elevation.

ADDITIONAL TIME NOT NEEDED

"By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change and that this agreement is made in accordance item 4 and the Contract. Exceptions should be noted in explanation above."

THE CONTRACTOR

BY: _____ DATE _____
 TYPED/PRINTED NAME: _____ DATE _____
 TYPED/PRINTED TITLE: _____ DATE _____
 AREA ENGINEER: _____ DATE _____
 AREA ENGINEER'S SEAL: _____ DATE _____

DISTRICT ENGINEER: _____ DATE _____
 DIRECTOR, CONSTRUCTION DIVISION: _____ DATE _____
 DEPUTY EXECUTIVE DIRECTOR: _____ DATE _____
 FHWA: _____ DATE _____

3B

CONTRACT ITEMS

PROJECT NBR 068401066

CATG NBR	LINE ITEM	ITEM CODE	SP NBR	DESCRIPTION	UNIT	UNIT PRICE	ORIG + PREV REV QTY	QTY THIS CO	NEW QTY	AMOUNT THIS CO
001	1625	04162029	001	DRILL SHAFT (RDWY ILL POLE)(30 IN) EXIST ITEM# CO#16	LF	110.00000	360.000	8.000	368.000	\$880.00
001	1627	96082016		UNIQUE CHANGE ORDER ITEM 16 NEW ITEM# CO#16	DOL	341.85000	0.000	1.000	1.000	\$341.85
		ADDTL CO DESCR 1		ANCHOR BOLTS for DRILL SHAFT (RDWY ILL POLE)(30 IN)						
CHANGE ORDER AMOUNT										\$1,221.85

TEXAS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 8

Third Party Funding Notification Sheet

This form is used when the subject change order involves funding by a source other than TxDOT/U.S. DOT, and involves third parties who are providing funding under an Advance Funding Agreement or Donation Agreement.

1. Outside funding provided by:

CCRMA

(Outside Entity's Legal Name)

CCSJ:	<u>3622-01-001</u>
Project:	<u>STP2009(662)ES</u>
Highway:	<u>SH 550</u>
County:	<u>CAMERON</u>
District:	<u>PHARR</u>
Contract Number:	<u>03103002</u>

2. Type of outside funding agreement for this change:

- Existing
 Amended
 New
 [Check one]

3. Indicate the type and amount of funding:

- Fixed Price (Lump Sum) (Estimated Amount \$24,620.40)
 Actual Cost

(a) Contract Items (Bid Items):		<u>\$24,620.40</u>	
(b) E&C*:	(a) x <u>3.5</u> =	<u>0</u>	
	<small>enter %</small>		
(c) Indirect Cost**:	(a + b) x _____ =	<u>0</u>	
	<small>enter %</small>		
TOTAL		<u>0</u>	

Use as needed:

I hereby acknowledge notification of the modifications covered by this Change Order.

Date _____

By _____

Typed/Printed Name _____

Typed/Printed Title _____

* The percentage (%) for E&C (Engineering and Contingencies) charges varies from project to project depending on the contract amount of the project. Projects with a higher contract amount will have a lower rate of E&C charge. For a specific project, E&C rate (%) can be derived from the cost of "Engineering and Contingencies" in the "Estimated Cost" of the project.

** Use the statewide district rate as established by Finance Division each year. This line 3(c) is for Service Project only, unless otherwise specified in the Advance Funding Agreement. See Stand Alone Manual Notice 98-2 for instructions.

Funding for this Change Order has been arranged:

TxDOT Representative	Date
Typed/Printed Name: _____	



Anderson Columbia Co., Inc.

P.O. Box 565 • Weslaco, TX 78599

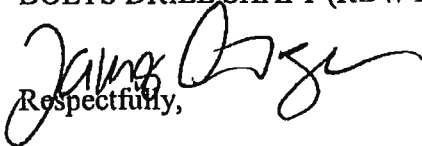
March 20, 2012

Mr. Ricardo Gallaga, P.E.
Assistant Area Engineer
1120 E. 77 Sunshine Strip
San Benito, TX. 78586

Re: FURNISH AND INSTALL ANCHOR BOLTS DRILL SHAFT (RDWY ILL) (30 IN)
SH 550, Cameron Co.
STP 2009(662)ES

Mr. Gallaga,

Anderson Columbia has attached requested change order FURNISH AND INSTALL ANCHOR BOLTS DRILL SHAFT (RDWY ILL POLE) (30 IN) W ANCHOR BOLTS.

Respectfully,


ANDERSON COLUMBIA CO., INC.

James Cavazos
Project Manager

2210 N. Mo-Tech Dr • Weslaco, TX 78596
Phone: 956-969-4614 • Fax: 956-968-0982

ANDERSON COLUMBIA CO, INC.
 CHANGE ORDER
 PROJECT NO.: STP 2009 (862)ES
 CSJ: 3622-01-001
 SH 550, CAMERON COUNTY

20-Mar-12

ACCI JOB NUMBER: 90105

FURNISH AND INSTALL ANCHOR BOLTS DRILL SHAFT (RDWY ILL) (30 IN) 1 EA

LABOR (Rates include payroll taxes & insurance)

<u>Description</u>	<u>Hourly Rate</u>	<u>Overtime Factor</u>	<u>Avg. Hourly Rate w/ OT</u>	<u>Hours Worked</u>	<u>P/R Taxes 55%</u>	<u>Markup 25%</u>		
				0.00	0.00	0.00	=	0.00
				0.00	0.00	0.00	=	0.00
								0.00

EQUIPMENT

<u>Description</u>	<u>Blue Book Hourly Rate</u>	<u>Equipment Hours</u>	<u>Equipment Cost</u>	<u>Markup 15%</u>
--------------------	------------------------------	------------------------	-----------------------	-------------------

MATERIALS

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Material Cost</u>	<u>Markup 25%</u>		
None	0	EA	0.00	0.00	0.00	=	0.00
							0.00

SUBCONTRACTOR

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Material Cost</u>	<u>Markup 5%</u>	<u>Markup 1%</u>		
FURNISH AND INSTALL ANCHOR BOLTS	1	EA	322.50	322.50	16.13	3.23	=	341.85
								341.85

TOTAL COST 341.85

UNIT PRICE \$341.85 EA

*** ADDITIONAL WORKING DAYS: 0

Note:



STAR OPERATIONS, INC.

HIGHWAY CONSTRUCTION
DBE CERTIFIED

Project: STP 2009 (662) ES
Hwy: SH 550
County: CAMERON
Att: LORNE JONSSON
Contractor: ANDERSON COLUMBIA
Ref: CHANGE ORDER

Bid Date: MARCH 19, 2012
REV#1

PROPOSAL

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	8.00	LF	110.00	880.00
	SUBTOTAL OVERUN EXIST ITEM				\$880.00
9000 0001	FURNISH/INSTALL ANCOR BOLTS	1.00	EA	322.50	322.50
GRAND TOTAL					\$1,202.50

NOTES:

- 1.) PLEASE REVIEW AND SUBMIT TO TXDOT THE ATTACHED CO & BACKUP COST DETAILS FOR APPROVAL, WHICH IS ONLY VALID FOR 30 DAYS FROM THIS DATE ! STAR OPERATIONS WILL BE SUBMITTING THIS REQUEST EVERY 30 DAYS ALONG WITH ANY PRICE ADJUSTMENTS REQUIRED ,UNTIL AN AGREEMENT OR CANCELLATION OF THIS CHANGE ORDER, IS COMPLETED !
- 2.) Bond Excluded
- 3.) Field Engineering/Surveying Excluded
- 4.) Traffic Control/Barricading Excluded
- 5.) An Approved Change Order is Required Prior To Any Work Taking Place
- 6.) Star Operations, Inc. is Requesting-1 Day Due To This Additional Work For New Installation And Overuns
- 7.) REMOVE EXIST CONC.DRILL SHAFT BY OTHERS **

Respectfully Submitted,
Star Operations, Inc.


Gaylon Chapman - Estimator
DBE Vendor No. 05278

Bid Summary Totals Report

Standard Markup Instructions

	Cost Basis	Markup %	Markup
Labor:	30	25.00	7
Burden:	16	0.00	0
Perm Matl:	190	25.00	48
Const Matl:	0	25.00	0
Sub:	0	5.00	0
Eq. Op. Exp:	0	15.00	0
Co. Equip:	27	15.00	4
Rented Eq.:	0	15.00	0
PER DIEM#5:	0	25.00	0
MISC MT #7:	0	0.00	0
R.R.INS #6:	0	0.00	0
Overrides:	0		0
Total:	263	22.45	59

Selected Bond Table: A1

Previous Run

Summary: 03/20/2012 3:09 PM

Spread: 03/20/2012 3:09 PM

Summary run on Takeoff Quan and Adjusted to Bid Quan.

Standard Spreads

	Total
Indirect Spread:	
Markup Spread:	Markup %
Addon/Bond Spread:	Total

Totals as of Last Spread

	Cost:	Markup:	Total:
Direct:	263	59	322
Indirect:	0	0	0
Addons:	0	0	0
Bond:	0		0
SubTotal:	263	59	322
Pass Through:	0		0
Total:	263	59	322

There are no Key Indicators setup.

Star Operations, Inc.
031912A
Gaylon Chapman

CO JB#21-88 * REPLACE DAMAGE ILLUM30"D.S

COST REPORT

Page 1
03/20/2012 15:12

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Bxp	Equip Ment	Sub- Contract	Total
----------------------	------	-----	------------------	--------------	-------	------------------	--------------------	---------------	------------------	-------

BID ITEM = 4162029 CLIENT# = 0416 2029
Description = DRILL SHAFT (RDWY ILL POLE) (30 IN) Unit = LF Takeoff Quan: 8.000 Engr Quan: 8.000

There are no activities in this biditem.

COST REPORT

Activity Resource	Desc	Quantity Pcs	Unit	Unit Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
-------------------	------	--------------	------	-----------	-------	---------------	----------------	------------	--------------	-------

BID ITEM = 9000001 CLIENT# = 9000 0001
Description = FURNISH/INSTALL ANCOR BOLTS Unit = EA Takeoff Quan: 1,000 Engr Quan: 1,000

Item	Desc	Quantity	Unit	Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
TECHLINE										
20ABOLTS	ANCHOR BOLTS-TECHL	1.00	EA	180.000		180				180
20MISC	Miso Materials	1.00	EA	10.000		10				10
\$190.00				[]		190				190
						190.00				190.00

Item	Desc	Quantity	Unit	Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
Q531	Concrete Crew	1.00	CH	Prodi	0.1000	S		2.00		1.00
8TPB01T	1 Ton Flatbed Truck	1.00	HR	27.420				27		27
L175	Utility Laborer	2.00	MH	13.500	46					46
\$73.46		2.0000	MH/EA	[29.7]	46			27		73
0.1000	Shifts	10.0000	Un/Shift		46.04			27.42		73.46
			2.0000	MH/Unit						

Item Totals:	9000001	- FURNISH/INSTALL ANCOR BOLTS								
\$263.46	2.0000	MH/EA	2.00	MH	[29.7]	46	190	27		263
263.460	1	EA				46.04	190.00	27.42		263.46

Activity Resource	Desc	Quantity		Unit Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
		Pcs	Unit							
\$263.46	*** Report Totals ***		2.00 MH		46	190		27		263

>>> indicates Non Additive Activity

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.

This report shows TAKEOFF Quantities with the resources.

Bid Date: 03/20/12 Owner: Engineering Firm:
Estimator-In-Charge: G.CHAPMA

JOB NOTES

ANDERSON COLUMBIA; LORNE JONNISON
jonssonl@andersoncolumbia.com

3/16/12

James, as per our previous phone conversation, TxDOT wants for contractor to please re-drill a new foundation for proposed roadway illumination (luminare) assembly located on existing SBER at STA. 354+15 (22 LT) between FM 3248 and Old Port Isabel Rd. See attached layouts for new location (5 LF away from damaged drill shaft). TxDOT will over ran existing drill shaft quantities for new drill shaft location. Furthermore, contractor will need to remove damaged concrete foundation 2 ft below natural ground. TxDOT discovered damaged drill shaft foundation "bolts" on 2/28/12. Please let us know if contractor ever file a police report, and/or provide us with information about this incident for our records. Thank you for your help.

Andres A. Espinoza, P.E.

* on units of MH indicate average labor unit cost was used rather than base rate.

[] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%

-----Calendar Codes-----

Calendars are found in crew and labor codes and have the format XXXdY where
XXX = The Calendar and Y = The Starting Day of the Week with Day 1 = Monday, etc.

40 Standard Calendar
45 5 - 9 hr days
50 5 - 10 hr days
60 6 - 10 hr days

AVERAGE LOW BID UNIT PRICE - CONSTRUCTION - STATEWIDE

416 2011	DRILL SHAFT (78 IN)	LF			104.000	500.00000	1
416 2012	DRILL SHAFT (84 IN)	LF			7,099.000	499.18777	4
416 2015	DRILL SHAFT (NON - REINFORCED) (12 IN)	LF			947.000	57.48331	23
416 2016	DRILL SHAFT (SIGN MTS) (12 IN)	LF	14.000	63.00000	823.500	73.46911	13
416 2017	DRILL SHAFT (SIGN MTS) (18 IN)	LF			41.000	94.57000	1
416 2018	DRILL SHAFT (SIGN MTS) (24 IN)	LF			3,831.900	91.07927	48
416 2019	DRILL SHAFT (SIGN MTS) (30 IN)	LF			403.000	130.58717	4
416 2020	DRILL SHAFT (SIGN MTS) (36 IN)	LF			2,680.000	152.98505	14
416 2021	DRILL SHAFT (SIGN MTS) (42 IN)	LF			2,804.000	195.35342	14
416 2022	DRILL SHAFT (SIGN MTS) (48 IN)	LF			2,247.000	266.10942	11
416 2023	DRILL SHAFT (SIGN MTS) (54 IN)	LF			1,172.000	287.81171	10
416 2025	DRILL SHAFT (HIGH MAST POLE) (54 IN)	LF			190.000	329.71000	1
416 2026	DRILL SHAFT (HIGH MAST POLE) (60 IN)	LF	180.000	379.00000	2,046.000	434.70156	11
416 2027	DRILL SHAFT (HIGH MAST POLE) (66 IN)	LF			2,773.000	500.20487	5
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	150.000	157.66667	18,571.000	119.82698	74
416 2030	DRILL SHAFT (TRF SIG POLE) (24 IN)	LF			778.900	99.36480	23
416 2031	DRILL SHAFT (TRF SIG POLE) (30 IN)	LF	68.300	88.29583	1,336.300	166.62990	46
416 2032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	628.400	172.52705	9,406.900	188.05785	115
416 2033	DRILL SHAFT (TRF SIG POLE) (42 IN)	LF	18.000	300.00000	388.000	219.30582	8
416 2034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	22.000	230.00000	3,777.000	278.00243	46
416 2035	DRILL SHAFT (18 IN) (HPC)	LF			90.000	46.82000	1
416 2036	DRILL SHAFT (30 IN) (HPC)	LF			3,567.000	80.02916	2
416 2039	DRILL SHAFT (144 IN)	LF			879.000	750.00000	1
416 2047	DRILL SHAFT (96 IN)	LF			5,130.000	612.33528	3
416 2049	DRILL SHAFT (96 IN)	LF			322.000	567.39130	2
416 2051	DRILL SHAFT (120 IN)	LF			2,469.000	1,312.48684	3
416 2052	DRILLED SHAFT (12 IN)	LF			9.000	30.00000	1
416 2054	DRILL SHAFT (54 IN) (HPC)	LF			1,260.000	184.28000	1
416 2055	DRILL SHAFT (TRF SIG POLE) (30 IN) (ROCK)	LF	44.000	150.00000	139.200	150.00891	5

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY

FIXTURE	STATION	LOCATION	WATT TYPE	STANDARD TYPE
C-1	349+48	22 FT LT OF CL OF EB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-2	347+22	05 FT LT OF CL OF EB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-3	349+04	05 FT LT OF CL OF EB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-4	350+77	22 FT LT OF CL OF EB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-5	354+15	22 FT LT OF CL OF EB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-6	471+68	22 FT RT OF CL OF WB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-7	473+41	86 FT RT OF CL OF WB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-8	475+23	86 FT RT OF CL OF WB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
C-9	476+96	22 FT RT OF CL OF WB FRGC RD	250 MPS	IST 40 T-101 (.25 KW) S
D-1	1346+68	16 FT LT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-2	1346+68	16 FT RT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-3	1346+74	16 FT LT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-4	1346+74	16 FT RT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-5	1347+66	16 FT LT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-6	1347+66	16 FT RT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-7	1347+72	16 FT LT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11
D-8	1347+72	16 FT RT OF CL OF SH 550	150 MPS	U/P (SPL) (.15KW) S ITY 11

CONDUIT AND CONDUCTOR RUNS (FEET)

ITEM NO.	GROUND/CONDUCTOR SIZE AND LENGTH		CONDUIT SIZE AND LENGTH	
	#8 BARE	#8 XHWP (SCH 40)	2" PVC (SCH 80) BORE	1" PVC (SCH 40) (BENTS)
CIRCUIT RUN NO.	620	618	618	618
C 1	218	218	218	
C 2	48	2-48	48	
C 3	140	2-140	140	
C 4	2-60	4-60		2-60
D 5	25	2-25	25	
C 6	66	4-66	66	
C 7	338	2-338	338	
C 8	219	2-219	219	
C 9	47	2-47	47	
C/D 10	105	4-105	105	
C 11	215	2-215	215	
C 12	47	2-47	47	
C 13	140	2-140	140	
D 14	2-60	4-60		2-60
D 15	25	2-25	25	
C/D 16	66	4-66	66	
C/D 17	45	4-45	45	
C/D 18	117	4-117	117	
C 19	110	2-110	110	
C/D 20	78	4-78	78	
TOTAL	2289	5532	1679	370
				240
				10



Apr. 9, 2010
 Luis A. Lopez, P.E.

TEXAS DEPARTMENT OF TRANSPORTATION
 ILLUMINATION LAYOUT
 PROPOSED INSTALLATION DIAGRAM

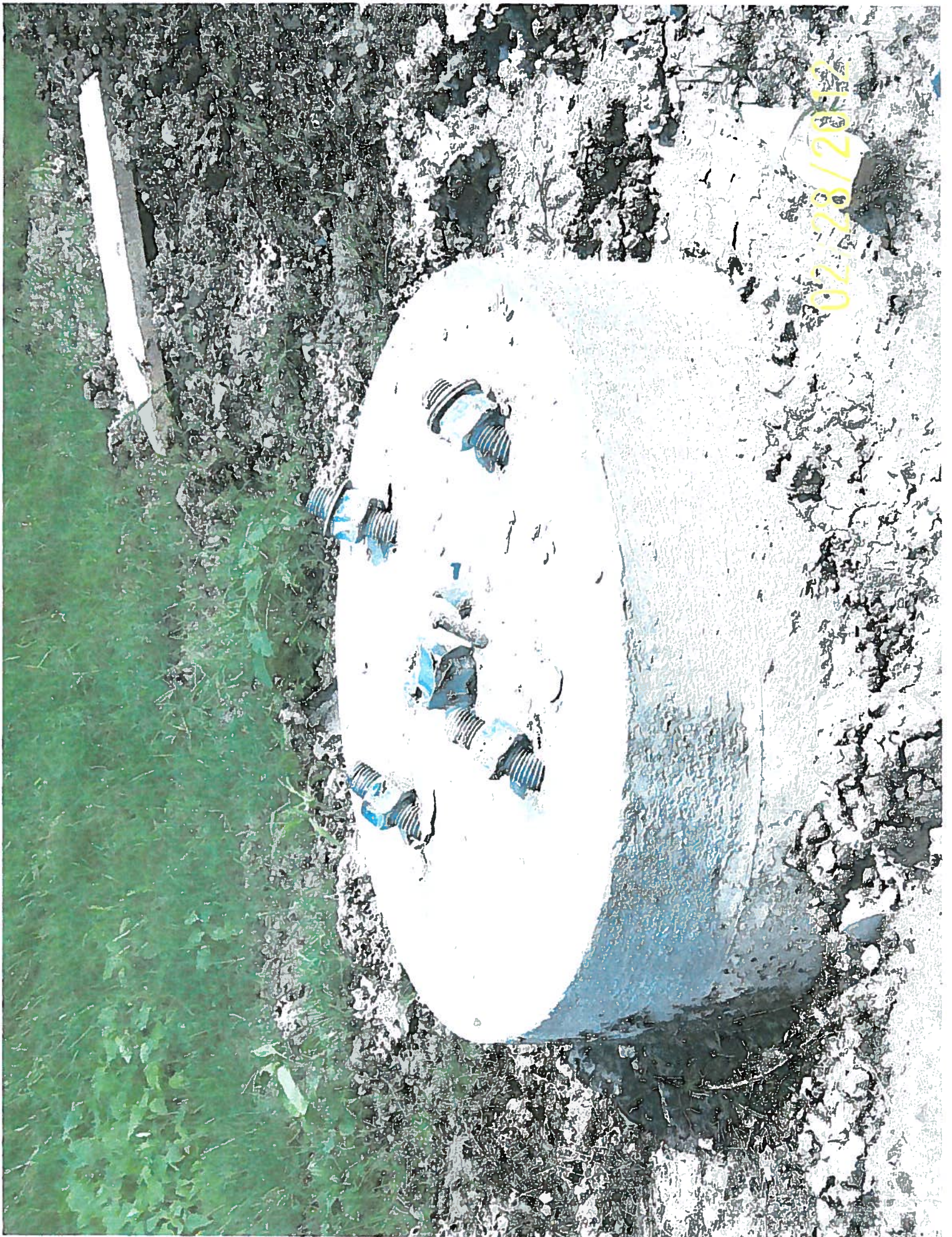
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DATE	SCALE	SHEET NO.	TOTAL SHEETS
11/11/09	AS SHOWN	11	11
DATE	SCALE	SHEET NO.	TOTAL SHEETS
11/11/09	AS SHOWN	11	11
DATE	SCALE	SHEET NO.	TOTAL SHEETS
11/11/09	AS SHOWN	11	11

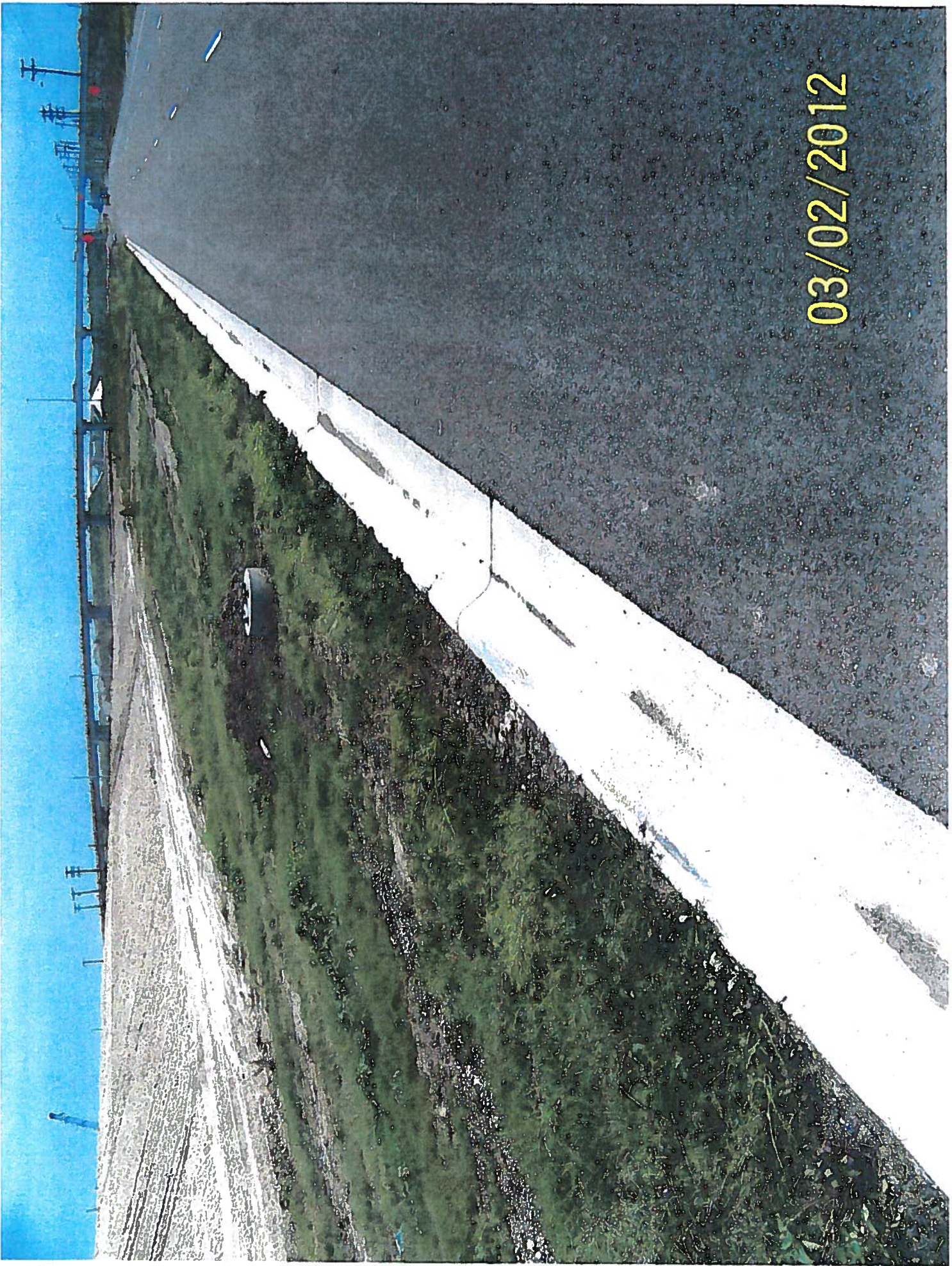
SUMMARY OF ILLUMINATION QUANTITIES

DESCRIPTION	UNITS	SHEET TOTAL
ROBY ILL ASSEM W/P (TY SPL-COI) (.15KW) S ITY 11	EA	0
ROBY ILL ASSEM (TY 5T 40 T-101) (.25KW) S	EA	0
CONDUIT (RM) (1")	LF	10
CONDUIT (PVC) (SCH 40) (1")	LF	240
CONDUIT (PVC) (SCH 80) (2")	LF	1679
CONDUIT (PVC) (SCH 80) (2") (BORE)	LF	370
ELECTRICAL CONDUCTOR (NO. 8 BARE)	LF	2289
ELECTRICAL CONDUCTOR (NO. 8 INSULATED)	LF	5532
GROUND BOX TY A (1223) 11 W/APRON	EA	12
ELEC SERV TY A (240/480) 060 (MS) .55 (T) TP (O)	EA	1
FND FOR ROBY ILL ASM (TY A) (30 IN DR SW)	LF	135
JUNCTION BOX	EA	2

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.



02/28/2012



03/02/2012